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Page 271
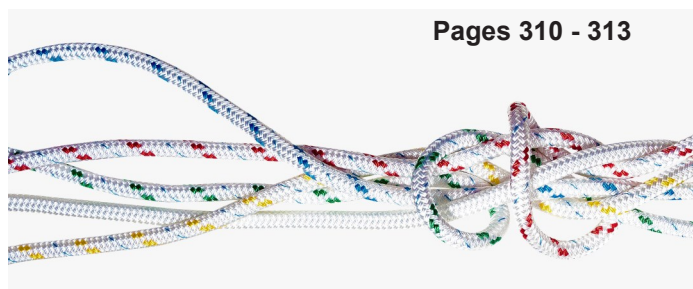
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Welcome to our latest Seaware catalogue, edition J.

We're continuing to increase our product offering and, as you can see, we've lots of new lines again, some of which are illustrated below.

The Epifanes range was a very successful addition last year and continues to sell well and we're also continuing to increase the products we have in stock from Osculati, in Italy, which are very well made and are proving very popular. We remain the Cornish distributor for Vetus and again are increasing our stock holding all the time. As always, if there's something you need that you can't find in the catalogue, please do ask us and if we can we'll happily get it in for you and don't forget that, as long as you're logged in, our website www.seaware.co.uk shows your trade prices and the stock levels of all of our products, meaning that you can easily place orders online even when our office is closed.

Happy browsing!

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MADE IN BRITAIN

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Contents

ZINC VS ALUMINIUM

They look the same, which is better?

Salt & Brackish Water Use	Salt Water Use Only
Made in the UK	Made in the UK
Used by leading UK Boat Builders	Traditionally used for Over 60 Years
20% Longer Life	Widely Available
3x Lighter	
Higher Output	
Environmentally Friendly	
It even costs less than Zinc!	

Time for a rethink on ZINC!

MGDUFF

Backing Pads

B77 Backing Pad to fit ZD77 8" Pear Anode.

Part No **11050**

B78B Backing Pad to fit 12" ZD78B Hull Anode.

Part No **11055**

B72B Backing Pad to fit 18" ZD72B Hull Anode.

Part No **11060**

B77B Backing Pad to fit ZD77 Euro Anode.

Part No **11061**

B76B Backing Pad to fit ZD76B Mini Euro Anode.

Part No **11062**

B56B Backing Pad to fit 4" ZD56 Disc Anode.

Part No **11076**
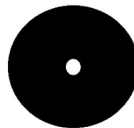
B58B Backing Pad to fit 6" ZD58 Disc Anode.

Part No **11078**

- Reduces the back of the anode corroding.
- Cushions the hull.
- Prevents rubbing and damage.

Fixing Studs

M10 Fixing Studs

Sold Individually

A4 Marine Grade Stainless Steel

Part No **11046**

M16 Fixing Studs

Sold Individually

A4 Marine Grade Stainless Steel

Part No **11048**

M16 Fixing Studs

Sold Individually

Zinc Plated Steel

Part No **11047**

M10C Weld-on Stud

Sold Individually

Part No **11080**

M16C Weld-on Stud

Sold Individually

Part No **11081**

Hull Anodes Bolt On

ZD78B Zinc Hull Anode

Part No	**11035**
Length	305mm (12")
Width	76mm
Depth	32mm
Centres	200mm (8")
Weight	4KG
Stud Size	M10

ZD72B Zinc Hull Anode

Part No	**11040**
Length	457mm (18")
Width	102mm
Depth	64mm
Centres	229mm (9")
Weight	12.2KG
Stud Size	M16

ZD72BM Zinc Hull Anode

Part No	**11039**
Length	457mm (18")
Width	102mm
Depth	38mm
Centres	200- 229mm
Weight	6.5KG
Stud Size	M10 / M16

ZD78BMLP Zinc Hull Anode

Part No	**11038**
Length	457mm (18")
Width	95mm
Depth	25mm
Centres	200 - 229mm
Weight	7.25KG
Stud Size	M10 / M16

ZD76 Mini Euro Zinc Hull Anode

Part No	**11090**
Length	200mm (8")
Width	65mm
Depth	32mm
Centres	0 - 110mm (0" - 4")
Weight	1.4KG
Stud Size	M10

ZD77 Large Euro Zinc Hull Anode

Part No	**11092**
Length	318mm (12.5")
Width	65mm
Depth	32mm
Centres	110 - 210mm (4" - 8")
Weight	2.4KG
Stud Size	M10
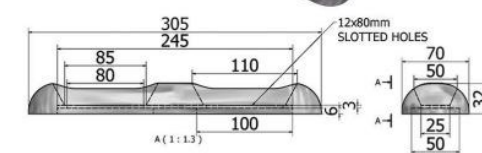
305mm Metec 2.8kg Bolt On Hull Anode (MH28ZS-2)

Part No	**11484**

Vetus ZINK15C Zinc Hull Anode

Part No	**57849**
Length	150mm (6")
Width	70mm
Depth	25mm
Centres	150mm
Weight	1.1KG
Stud Size	M10

Vetus ZINK25C Zinc Hull Anode

Part No	**57851**
Length	250mm (10")
Width	75mm
Depth	30mm
Centres	140mm
Weight	2.5KG
Stud Size	M10

Vetus ZINK35C Zinc Hull Anode

Part No	**57853**
Length	300mm (12")
Width	80mm
Depth	35mm
Centres	200mm
Weight	4.7KG
Stud Size	M10
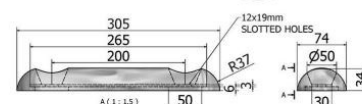
305mm Metec 3.8kg Bolt On Hull Anode (MH382S)

Part No	**11485**
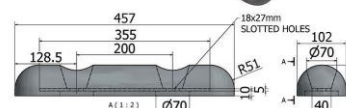
457mm Metec 11.5kg Bolt On Hull Anode (MH115ZS-2)

Part No	**11486**
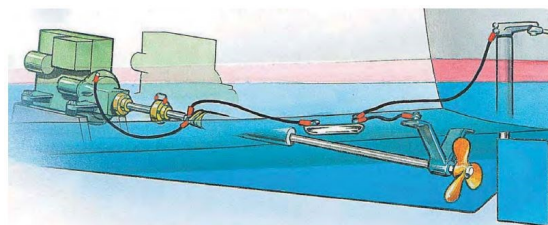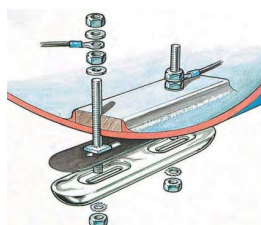
Hull Anodes Bolt On & Weld On

CM500Z Zinc Hull Anode

Part No	11063
Length	116mm
Width	43mm
Depth	24mm
Centres	113 - 150mm
Weight	0.5KG
Stud Size	M6

ZD77 Pear 8" Hull Anode

Part No	11030
Length	229mm
Width	83mm
Depth	41mm
Centres	200mm (8")
Weight	2.1KG
Stud Size	M10

ARNSMALL Small Teardrop Hull Anode

Part No	11169
Length	154mm
Width	32mm
Depth	30mm
Centres	89mm
Weight	0.27KG
Stud Size	M7

ARNLARGE Large Teardrop Hull Anode

Part No	11170
Length	190mm
Width	45mm
Depth	44mm
Centres	127mm
Weight	0.74KG
Stud Size	M7

Ribbon Type Anodes

Low profile zinc anode with a non reactive aluminium insert ideally suited for fitting to high speed vessels.

Part No	MG Duff Part No	Length	Centres
11082	ZD42/5" -2H	5" (127mm)	76mm
11083	ZD42/6" - 1H	6" (152mm)	centre
11084	ZD42/12" -2H	12" (305mm)	203mm
11085	ZD42/15" -2H	15" (381mm)	229mm
11086	ZD42/18" -2H	18" (457mm)	305mm
11087	ZD42/24" -2H	24" (610mm)	406mm
11088	ZD42/36" -3H	36" (914mm)	305mm
11089	ZD42/54" - 3H	54" (1372mm)	457mm

Vetus Zinc Bolt On Anode

Zinc anode 23kgf for BOW2312 mounted in tunnel. ZINK02C. 0.54kg.

140mm hole centres

Part No	57847

ZD76 6" Weld On Pear Hull Anode

Part No	11025
Length	160mm
Width	76mm
Depth	32mm
Weight	1KG
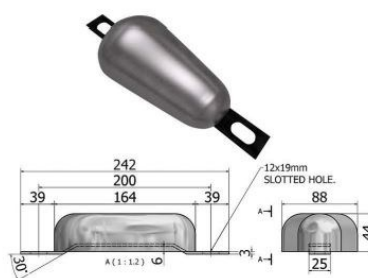
200mm 8" Pear Metec 2.1kg Bolt On Hull Anode (MH20ZS)

Part No	11483

ZD78 Weld On Hull Anode

Part No	11036
Length	385mm
Width	76mm
Depth	32mm
Weight	4.5KG

ZD80 Weld On Hull Anode

Part No	11037
Length	405mm
Width	152mm
Depth	32mm
Weight	8.5KG
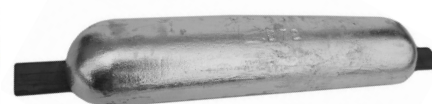
ZD72 Weld On Hull Anode

Part No	11041
Length	563mm
Width	102mm
Depth	64mm
Weight	14.5KG

Disc & Trim Tab Anodes

ZD51 Button Anode

Part No	11042
Width	70mm
Depth	30mm
Weight	0.5KG
Stud Size	M10

ZD56 Disc Anode

Part No	11070
Width	100mm
Depth	25mm
Weight	1KG
Stud Size	M10

ZD58 Disc Anode

Part No	11075
Width	150mm
Depth	35mm
Weight	2.2KG
Stud Size	M10

ZINK8C Disc Anode

Part No	57848
Width	90mm
Depth	45mm
Weight	1KG
Stud Size	M10

ZD27 Transom Anode

Part No	11376
Width	125mm
Depth	28mm
Weight	2.7KG
Stud Size	M10

ZD45 Transom Anode

Part No	11377
Width	135mm
Depth	50mm
Weight	4.5KG
Stud Size	M10

ZD52 Bolt On Disc Anode (Pair)

Part No	11043
Width	50mm
Depth	15mm
Weight	0.12KG

ZD59 Bolt On Disc Anode (Pair)

Part No	11044
Width	75mm
Depth	25mm
Weight	0.43KG

CMR03 Bolt On Disc Anode (Pair)

Part No	11020
Width	95mm
Depth	24mm
Weight	0.73KG

CMR04 Bolt On Disc Anode (Pair)

Part No	11021
Width	127mm
Depth	32mm
Weight	1.46KG

CMR05 Bolt On Disc Anode (Pair)

Part No	11022
Width	130mm
Depth	44mm
Weight	2.14KG
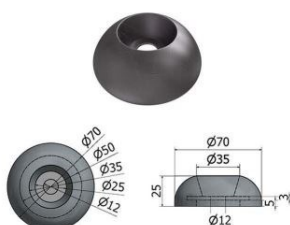
70mm Metec 0.4kg Disc Anode (MD4Z)

Part No	11480
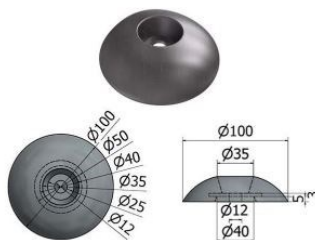
100mm Metec 1kg Disc Anode (MD9Z)

Part No	11481
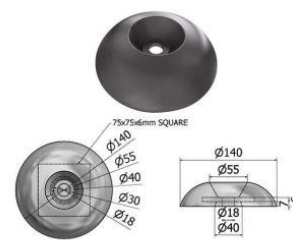
140mm Metec 2.5kg Disc Anode (MD23Z)

Part No	11482

Whether your boat is steel or GRP, to provide the best protection to the stern gear the shaft should be fitted with an MGDUFF Electro Eliminator Brush assembly. The MGDUFF Electro-Eliminators offer the most effective shaft bonding solution. Running directly onto the propeller shaft the electro eliminator puts the anode in constant low resistance contact with the propeller shaft. The copper graphite brushes will give at least 2000 running hours under normal conditions. The electro eliminators will also remove the interference to electronic equipment caused by the rotating shaft.

EE1

Shaft Earthing Assembly for Propeller Shafts up to 50mm. Does not include mounting bar.
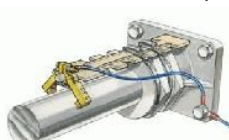
Part No	Description
11093	EE1
11094	EE2/208
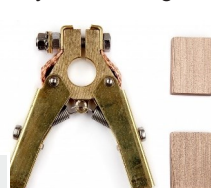
EE2/208

Shaft earthing assembly for propeller shafts between 40mm to 100mm diameter. Does not include mounting bar.

Standard Zinc Shaft Anodes

Part No	MG Duff Part No	Shaft Diameter	Length	Outer Diameter
11000	ZSA 75	3/4"	2"	2.04"
11001	ZSA 88	7/8"	2.08"	2.12"
11002	ZSA 98	25mm	55mm	56mm
11003	ZSA 100	1"	2.15"	2.16"
11004	ZSA 112	1 1/8"	2 1/4"	2.36"
11006	ZSA 120	30mm	60mm	58mm
11007	ZSA 125	1 1/4"	2.35"	2.42"
11008	ZSA 138	1 3/8"	2.35"	2.66"
11009	ZSA 150	1 1/2"	2 1/2"	2.78"

Part No	MG Duff Part No	Shaft Diameter	Length	Outer Diameter
11010	ZSA 178	45mm	73mm	82mm
11011	ZSA 155	40mm	73mm	82mm
11012	ZSA 175	1 3/4"	2 3/4"	3 1/4"
11013	ZSA 200	2"	2.9"	3.6"
11014	ZSA 236	60mm	90mm	110mm
11015	ZSA 225	2 1/4"	3 3/4"	4 1/4"
11016	ZSA 250	2 1/2"	3 3/4"	4 1/4"

New captive nut assembly
Internal Cross Section
Tried and tested core bar design

Zinc Shaft Anodes With Insert

Part No	MG Duff Part No	Shaft Diameter	Length	Outer Diameter
11100	MGD3/4"	3/4"	2 1/2"	2 1/8"
11101	MGD7/8"	7/8"	2 1/2"	2 1/8"
11102	MGD25mm	25mm	65mm	55mm
11103	MGD1"	1"	2 1/2"	2 1/8"
11104	MGD1 1/8"	1 1/8"	2 1/2"	2 1/8"
11105	MGD30mm	30mm	65mm	55mm
11106	MGD1 1/4"	1 1/4"	3"	2 5/8"

Part No	MG Duff Part No	Shaft Diameter	Length	Outer Diameter
11107	MGD1 3/8"	1 3/8"	3"	2 5/8"
11108	MGD1 1/2"	1 1/2"	3"	2 5/8"
11109	MGD40mm	40mm	78mm	68mm
11110	MGD1 3/4"	1 3/4"	4"	3 1/4"
11111	MGD2"	2"	4"	3 1/4"
11112	MGD60mm	60mm	100mm	85mm
11113	MGD70mm	70mm	95mm	110mm

Zinc Shaft Collar Anodes

Part No	MG Duff Part No	To Fit Shaft	Wall Thickness	Outer Diameter
11120	ZSC20	20mm	25mm	54mm
11121	ZSC22	22mm	25mm	54mm
11122	ZSC25	25mm	32mm	54mm
11129	ZSC27	1 1/8"	1 1/4"	2 1/2"
11123	ZSC30	30mm	32mm	63mm
11130	ZSC32	1 1/4"	1 1/4"	2 1/2"

Part No	MG Duff Part No	To Fit Shaft	Wall Thickness	Outer Diameter
11124	ZSC35	35mm	32mm	76mm
11128	ZSC38	1 1/2"	1 1/4"	2 1/2"
11125	ZSC40	40mm	32mm	76mm
11126	ZSC45	45mm	35mm	89mm
11127	ZSC50	50mm	35mm	89mm

Zinc Shaft Collar Anodes Thin Wall

Part No	MG Duff Part No	To Fit Shaft	Wall Thickness	Outer Diameter
11131	ZSC20T	20mm	15mm	60mm
11132	ZSC25T	25mm	15mm	60mm
11133	ZSC30T	30mm	18mm	60mm
11134	ZSC35T	35mm	18mm	74mm
11135	ZSC40T	40mm	18mm	74mm
11136	ZSC45T	45mm	18mm	82mm
11137	ZSC50T	50mm	18mm	82mm

Vetus Shaft Anode

ZINKA25C

25mm x 65mm x 30mm

Part No   **57858**

Zinc Propeller Anodes

Part No	M G Duff	Inner Dia	Outer Dia	Length
\	\	M G Duff Beneteau / Jeanneau Propeller Anodes		
11311	CMAN225	22/25mm	34mm	40mm
11312	CMAN230	30mm	41mm	54mm
11313	CMAN235	35mm	46mm	58mm
11314	CMAN240	40mm	51mm	67mm
11315	CMAN245	45mm	61mm	76mm
11316	CMAN250	50mm	-	-

Vetus Type Beneteau / Jeanneau Propeller Anodes		
57645	SN25B	25mm Shaft
57646	SN30B	30mm Shaft
57647	SN35B	35mm Shaft
57648	SN40B	40mm Shaft
57649	SN45B	45mm Shaft
57650	SN50B	50mm Shaft

Part No	MG Duff Part No	Thread Size	Length	Outer Diameter
11355	RAD22/25 CPT	16 X 1.5	60mm	37mm
11356	RAD30 CPT	20 X 1.5	75mm	45mm
11357	RAD35 CPT	24 X 2.0	77mm	48mm
11358	RAD40 CPT	2.4 X 2.0	92mm	54mm
11359	RAD45 CPT	33 X 2.0	100mm	64mm
11360	RAD50 CPT	36 X 2.0	118mm	75mm
11361	RAD55 CPT	40 X 3.0	120mm	78mm
11362	RAD60 CPT	45 X 3.0	135mm	88mm

Part No	MG Duff Part No	Length	Outer Diameter	Hex Size
11363	RAD22/25Z	39mm	32mm	23mm
11364	RAD30Z	57mm	41mm	27mm
11365	RAD35Z	58mm	44mm	32mm
11366	RAD40Z	65mm	50mm	36mm
11367	RAD45Z	73mm	59mm	41mm
11368	RAD50Z	83mm	72mm	46mm
11369	RAD55Z	83mm	72mm	50mm
11370	RAD60Z	95mm	82mm	55mm

Zinc Propeller Anodes

- Popular on Spanish and French built boats.

Part No	MG Duff Part No	Length	Outer Dia	Inner Dia
11371	SOLE32	39mm	32mm	24mm
11372	SOLE37	45mm	37mm	26mm
11373	SOLE45	60mm	46mm	36mm
11374	SOLE55	70mm	55mm	45mm

- To suit Flex-O-Fold 3 blade folding propeller.

Part No	MG Duff Part No	Width	Depth
11375	FLX-01	68mm	37mm

Max Prop	MG Duff Part No	Description
11321	CMMP63RZ	Max Prop 63mm dia (38mm I.D)
11322	CMMP70RZ	Max Prop 70mm dia (42mm I.D)
11323	CMMP83RZ	Max Prop 83mm dia (46mm I.D)

Hanging Anodes

Zinc Hanging Anode for connecting to hanging cable. For salt water use.

Zinc Hanging Anode. Kit includes 4 metres of cable with an M10 terminal, 1x mounting bracket and 2x re-useable rubber tie wraps. For use in Salt water.

Part No	MG Duff Part No	Weight	Length (Min/Max)	Width (Min/Max)	Depth	Stud Size	Fixing Details
11430	ZD57L	1.8KG	120mm / 120mm	75mm / 75mm	75mm	M10	M10 Terminal for fixing to wire
11431	ZD57L KIT	1.96KG	120mm / 120mm	75mm / 75mm	75mm	M10	M10 Terminal for connection to wire

Zinc Bow Thruster Anodes

SET0148

Zinc anode for bow thrusters 25 kgf.

Part No   55137

SET0149

Zinc anode for bow thruster 35, 45, 55 kgf.

Part No   55138

SET0150

Zinc anode for bow thruster 60, 75, 80, 95 kgf.

Part No   55139

SET0151

Zinc anode for bow thruster 130, 160 kgf.

Part No   55140

SET0152

Zinc anode for bow thrusters 220 kgf.

Part No   55141

SET0153

Zinc anode for bow thruster 23, 50, 80 kgf and for all stern thruster sets.

Part No   55142

Aluminium Bow Thruster Anodes

SIDE-POWER

SP101180A

Aluminium Side Power anode for 250mm & 300mm diameter thrusters with bronze propellers. For salt and brackish water use only.

Weight (kg): 0.06kg

Outside Diameter: 41mm

Height: 35mm

Part No   11440

SP201180A

Aluminium Side Power SP125T - 285TC / SE120 / SE150 / SP220 / 300 HYD & SH160 Thruster Anode. For salt and brackish water use only.

Weight (kg): 0.10kg

Outside Diameter: 48mm

Height: 42mm

Part No   11441

SP31180A

Aluminium Side Power SP30 / SP35 / SP40 & SE30 / SE40 Thruster Anode. For salt and brackish water use only.

Weight (kg): 0.006kg

Outside Diameter: 24mm

Height: 14mm

Part No   11442

SP501180A

Aluminium Side Power SP550 HYD Thruster Anode. For salt and brackish water use only.

Weight (kg): 0.35kg

Outside Diameter: 72mm

Height: 52mm

Part No   11443

SP61180A

Aluminium Side Power thruster anode for older 4 / 6HP models with 3 blade propellers. For salt and brackish water use only.

Weight (kg): 0.016kg

Outside Diameter: 24mm

Height: 20mm

Part No   11444

SP701180A

Aluminium Side Power Thruster Anode. For salt and brackish water use only.

Weight (kg): 1.15kg

Outside Diameter:135mm

Height: 52mm

Part No   11445

SP71180A

Aluminium Side Power 7HP Model Thruster Anode (3 Bladed Props). For salt and brackish water use only.

Weight (kg): 0.018kg

Outside Diameter: 36mm

Width: 21mm

Height: 13mm

Part No   11446

SP71190A

Aluminium Side Power SP55S / SE60 / SP75T / SE80 / SP95T / SE100 Thruster Anode. For salt and brackish water use only.

Weight (kg): 0.05kg

Outside Diameter: 43mm
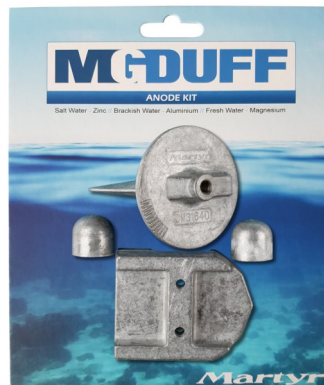
Height: 20mm

Part No   11447

CMALPHAKITZ

Zinc Mercury / Mercruiser Alpha 1 Generation 2 engine anode kit. For salt water use only.

Kit Includes:

CM76214Z:	x1
CM806105Z:	x1
CM806189Z:	x2
CM821629CZ:	x1
CM821631Z:	x1
Fixing Kit:	x1

Part No	MG Duff Part No
11383	CMALPHAKITZ

CMALPHAKITZ1

Zinc Mercury / Mercruiser Alpha 1 Generation 1 engine anode kit. For salt water use only.

Kit Includes:

CM31640Z:	x1
CM55989Z:	x2
CM821631Z:	x1
Fixing Kit:	x1

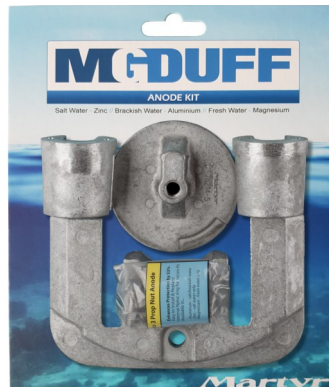| Part No	MG Duff Part No
11384	CMALPHAKITZ1

CMBRAVO1KITZ

Zinc Mercury / Mercruiser Bravo 1 engine anode kit. For salt water use only.

Kit Includes:

CM76214Z:	x2
CM806188Z:	x1
CM806190Z:	x1
CM81630C2Z:	x1
Fixing Kit:	x1

Part No	MG Duff Part No
11388	CMBRAVO1KITZ

CMBRAVO23KITZ

Zinc Mercury / Mercruiser Bravo 2 & 3 engine anode kit. For salt water use only.

Kit Includes:

CM76214Z:	x1
CM806190Z:	x2
CM821630C2Z:	x1
Fixing Kit:	x1

Part No	MG Duff Part No
11389	CMBRAVO23KITZ

CMBRAVO3KITZ

Zinc Mercury / Mercruiser Bravo 3 (2004+) engine anode kit. For salt water use only.
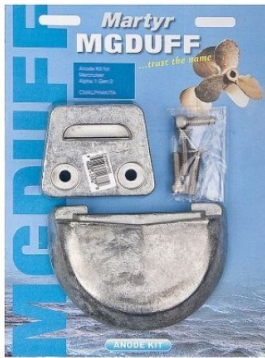
Kit Includes:

CM762144Z:	x1
CM76215Z:	x1
CM806190Z:	x2
CM821630C2Z:	x1
CM865182Z:	x1
Fixing Kit:	x1

Part No	MG Duff Part No
11390	CMBRAVO3KITZ

VOLVO PENTA

CMSXKITZ

Zinc Volvo SX anode kit. For salt water use only. Direct OEM replacement.

Kit Includes:

CM3854130Z: x1

CM3855411Z: x1

Fixing Kit: x1

Part No	MG Duff Part No
11378	CMSXKITZ

CMV280KIT

Zinc Volvo 280 Drive anode kit. For salt water use only. Direct OEM replacement.

Kit Includes:

CM832598Z: x1

CMV18:   x1

Fixing Kit: x1

Part No	MG Duff Part No
11379	CMV280KIT

CMV280DP

Zinc Volvo 280 DP Drive anode kit. For salt water use only. Direct OEM replacement .

Kit Includes:

CM832598Z: x1

CM875821Z: x1

Fixing Kit: x1

Part No	MG Duff Part No
11380	CMV280DPKIT

CMV290DPKIT

Zinc Volvo 290 DP Drive anode kit. For salt water use only.

Kit Includes:

CM852835Z: x1

CM875821Z: x1

Fixing Kit: x1

Part No	MG Duff Part No
11382	CMV290DPKIT

Outboard & Outdrive Anodes

BUKH

ZBU1 Engine Pencil Anode Bukh 000E0450

The pencil anode is 12mm X 35mm with 5mm stud. Original part number 000E0450. See also 02050

This anode fits in a brass plug located at the rear of the Bukh DV10-20-24-32 engine just above the gearbox.

On the Bukh DV36 & 48 the anode is on the starboard side of the engine.

Dimensions
12 × 12 × 35 mm

Weight   0.03kg

Part No   11328

BOMBARDIER EVINRUDE Johnson

CM123009Z – Martyr Zinc Anode for Bombardier Johnson,Evinrude

Fits a wide range of Johnson and Evinrude outboards and outdrive legs, 1981 – 2011.

Dimensions 60 × 22 × 12 mm

Weight   0.09 kg

Part No   11250

BOMBARDIER EVINRUDE Johnson

CM327606Z – Martyr Zinc Anode for Bombardier Johnson,Evinrude

Fits 1983-1990 2HP Johnson and Evinrude outboards.

Dimensions 60 × 22 × 12 mm

Weight   0.08 kg

Part No   11251

CM398331Z – Martyr Zinc Midsection Block Anode for Bombardier Johnson, Evinrude

For use in Salt water. Original part number 398331.

Fits outboard tail Johnson-Evinrude 160-280HP (V4-V6).

Dimensions 44 × 57 × 22 mm

Weight   0.32 kg

Part No   11253

CM392123Z OMC Zinc Anode

Martyr Zinc Anode for Bombardier Johnson, Evinrude. Martyr crescent shape Zinc Anode for Bombardier Johnson/Evinrude. Half Moon – Transom. For use in Salt water. Part number 392123. Fits outboard engine OMC 90-140 HP Series, Johnson 90-140 HP Series, Evinrude 90-140 HP Series.

Dimensions 118 × 80 × 23 mm

Weight 0.76kg

Part No   11265

CM431708Z – Martyr Zinc Anode for Bombardier Johnson, Evinrude

Original part number 431708

Fits outboard engine Johnson/Evinrude 45-300 HP Series (1988-90), Diabolo 70/120 HP Series.

Dimensions 76 × 50 × 21 mm

Weight   0.27kg

Part No   11254

CM433580Z – Martyr Zinc Anode for Bombardier Johnson,Evinrude

Transom for Power Trim and Tilt Models. For use in Salt water. Original part number 433580 5007089/433580.

Fits outboard engine Johnson 60/300 HP Series, Evinrude 60/300 HP Series

Dimensions 175 × 34 × 21 mm

Weight   0.77kg

Part No   11268

CMHJ1126646Z

203131

Part No
11391

CMHJ111593Z

203133

Part No
11392

Part No
11393

CMHJ102185Z

203123

Part No
11394

CMHJ103359Z

203124

Part No
11395

CMHJ104634Z

Hamilton Jet bolt on bar anode.

82mm centres.

Dimensions: 101 × 22 × 23mm

Weight   0.285kg

Part No   11330

CM31640Z – Martyr Zinc Anode for Honda, Mercury Outboard & Mercruiser Sterndrive and engines

Standard Skeg Trim Tab. For use in Salt water. Mercury Equivalent Part: 31640T4, 31640Q4 (fits Alpha 1, 120, 140, 470, 485 R, MR) Mercruiser No: 679-45251-00

Fits HONDA BF75AT/AW, BF90AT/AW, MERCURY 50HP, MARINER 40/60 HP <1991 Honda P/N: 41107-ZW1-003-ZA.

Dimensions: 90 × 90 × 105 mm

Weight   0.55kg

Part No   11200

CM826134Z – Martyr Zinc Anode for Honda 75, Mercury Outboard & Mercruiser Sterndrive and engines

Wedge anode located on the side of the gearhousing just above the cavitation plate. For use in salt water. Honda part number 41109-ZW1-003

Dimensions: 77 × 29 × 22 mm

Weight   0.26kg

Part No   11220

CM06411ZW1Z

Zinc Honda 75 / 130 / 225 HP large bar anode. For salt water use only.

Anode Body Length: 226mm

Width: 50mm

Height: 16mm

Stud Size: 6mm

Fixing Hole Details: 202mm Centres

Weight   0.36kg

Part No   11344

CM806105Z – Martyr Zinc Anode for Mercury Outboard & Mercruiser Sterndrive and engines.

Bearing carrier behind propeller. Mercury Part: 806105A2, 806105Q1. Fits: Alpha 1 Gen II. For use in Salt water

Dimensions: 72 × 85 × 25 mm

Weight   0.23kg

Part No   11223

CM762145Z – Martyr Zinc Anode for Mercury Outboard & Mercruiser Sterndrive and engines.

New Generation – Circular Plate Flat Trim Tab. Fits all high performance Mercury outboards, Alpha 1 Gen II. Mercury Part no: 76214-5 Threaded Hole. For use in Salt water.

Dimensions:
92 × 92 × 24mm

Weight   0.33kg

Part No   11224

CM76214Z – Martyr Zinc Anode for Mercury Outboard & Mercruiser Sterndrive and engines

New Generation – Circular Plate Flat Trim Tab. Mercury Part no: 76214Q5, 76214A6. Fits Alpha 1 Gen II, Bravo 1, 2, 3. For use in Salt water.

Dimensions: 90 × 90 × 24 mm

Weight   0.28kg

Part No   11227

CM55989Z – Martyr Zinc Anode for Mercury Outboard & Mercruiser Sterndrive and engines.

Gimbal Bolt Head anode. Mercury Part: 55989T3, 55989Q9. Fits: Alpha 1, Bravo 1, 120, 140, 470, 485. Also used by Keypower KP08 and KP10 bow thrusters. For use in Salt water.

Dimensions: 33 × 33 × 29 mm

Weight   0.11kg

Part No   11201

CM34762Z – Martyr Zinc Anode for Mercury Outboard & Mercruiser Sterndrive and engines.

Gimbal Plate. Fits Mercruiser TR and TRS outdrives. For use in Salt water. Mercury part no: 34762A1

Dimensions: 62 × 62 × 10 mm

Weight   0.24kg

Part No   11204

CM43994Z – Martyr Zinc Anode for Mercury Outboard & Mercruiser Sterndrive and engines.

Gimbal Plate Block. Fits: Mercury F.BB, Mercruiser E.B ALPHA ONE GEN I and ALPHA ONE GEN II and Bravo. Mercury part number 43994. For use in Salt water.

Dimensions: 95 × 77 × 39 mm

Weight   0.95kg

Part No   11205

CM822157Z – Martyr Zinc Anode for Mercury Outboard & Mercruiser Sterndrive and engines.

Trim Tab. Fits Mercury 30-50 Hp F25, F30, F40 and F50 outboards (1998 and later). Mercury Part no: 822157c2. For use in Salt water.

Dimensions: 116 × 93 × 83mm

Weight   0.42kg

Part No   11208

CM821631Z – Martyr Zinc Anode for Mercury Outboard, Mercruiser Sterndrive and engines.

Gimbal Housing Plate Block. Fits Alpha I and Alpha I Gen II. Mercury Part no: 821631Q1, 821631A1. For use in Salt water.

Dimensions: 95 × 77 × 39 mm

Weight   0.89kg

Part No   11209

CM984325Z Zinc Mercury / Mercruiser 25 HP outboard anodic plate bar anode. For salt water use only.

Outside Diameter: 91mm

Height: 100mm

Thread Size: M8

Weight   0.42kg

Part No   11210

CM821630C2Z – Martyr Zinc Anode for Mercury Outboard & Mercruiser Sterndrive and engines.

Forward Cavitation Plate. Fits Bravo I, II, III, X, XR and XZ. Mercury Part no: 821630A2, 821630Q1. For use in Salt water.

Dimensions: 175 × 110 × 16 mm

Weight   1kg

Part No   11214

CM821629CZ – Martyr Zinc Anode for Mercury Outboard; Mercruiser Sterndrive and engines.

Forward Cavitiation Plate. Fits Alpha I Gen II. Mercury Part no: 821629A2, 821629Q1. For use in Salt water. CM821629Z.

Dimensions: 188 × 72 × 18 mm

Weight   0.78kg

Part No   11215

CM818298Z – Martyr Zinc Anode for Mercury Outboard & Mercruiser Sterndrive and engines.

Plate Bar for engine trim. Fits Mercury/Mariner 30/40 Four Stroke, 40 (4 cylinder), 50 (3 cylinder 1987-1997), 55 (3 cylinder), 60-90 (3 cylinder 1987 & newer), 75 (4 cylinder), 75/90 Four-Stroke, 100-125 (4 cylinder), 115 (6 cylinder 1984-1988) and all V-6 and OptiMax. Mercury Part no: 818298T3 For use in Fresh water.

Dimensions: 191 × 50 × 11 mm

Weight   0.68kg

Part No   11216

MERCURY MerCruiser

CM43396Z – Martyr Zinc Anode for Mercury Outboard & Mercruiser Sterndrive and engines.

Transom mounted 'Waffle Bar'. For use in Salt water. Mercury part number 43396. Fits Mercury 25HP, 50, 60, 75 Mercruiser E.B90, 100 SINO 91, 115, 190.

Dimensions: 194 × 52 × 20 mm

Weight   0.66kg

Part No   11217

MERCURY MerCruiser

CM806190Z – Martyr Zinc Anode for Mercury Outboard & Mercruiser Sterndrive and engines.

Lift-Trim Cylinder Ram End Horseshoe. Fits Bravo I, II, III, X, XR, XZ and Blackhawk drives. Mercury Part no: 806190A2, 806190Q1. 2 Required. For use in Salt water.

Dimensions: 49 × 49 × 51 mm

Weight   0.35kg

Part No   11221

MERCURY MerCruiser

CM806189Z – Martyr Zinc Anode for Mercury Outboard & Mercruiser Sterndrive and engines.

Lift-Trim Cylinder Ram End Horseshoe. Fits Alpha 1 Gen II. Mercury part no: 806189A2, 806189Q1. 2 required. For use in Salt water.

Dimensions: 49 × 49 × 16 mm

Weight   0.1kg

Part No   11222

NISSAN MARINE

CM3C7602181A0Z Nissan / Tohatsu transom bar in zinc.

Part No   11353

SUZUKI MARINE

CM5532095310Z

Zinc Suzuki block anode. For salt water use only.

Anode Body Length: 40mm

Width: 30mm

Height: 12mm

Stud Size: 6mm

Weight   0.24kg

Part No   11350

SUZUKI MARINE

CMS551259630Z

Zinc Suzuki – Cutdown Skeg

Dimensions: 69mm x 69mm x 49mm

Weight   0.13kg

Part No   11351

SUZUKI MARINE

CMS5512587D00Z

Suzuki - standard skeg

Part No   11352

CM838929Z – Martyr Zinc Pencil Anode for Volvo Penta Cooler 838929

Martyr Zinc Pencil Anode for Volvo Penta engines. Cooling system anode. Fits MD40A, TMD40 A/B/C, D4 D6, TAMD63, TAMD74 / TAMD75, TAMD122P, D12C, TAMD163P-A, 2001 / 2002 / 2003, TAMD103, TAMD122A, TAMD162C, TAMD163A-A. Volvo replacement part for 838929, 804107, 800476, 858501. For use in Salt water

Dimensions: 43 × 17 × 43mm

Weight   0.05kg

Part No   11152

CM832598Z – Martyr Zinc Anode for Volvo Penta Sterndrive Outdrive 832598

Martyr Zinc Anode for Volvo Penta Sterndrive outdrive.Transom Shield Bar Anode. Fits 200, 250, 270, 275, 280, 285. Aquamatic sterndrive single prop drive anode. Volvo Part no: 832598. For use in Salt water.

Dimensions: 187 × 41 × 22 mm

Weight   0.95kg

Part No   11150

VOLVO PENTA

VOLVO PENTA

CMV15 – Martyr Zinc Anode for Volvo Penta 100 Drive Sterndrive 875810

Small Prop Ring. Fits 100A and 100B. Aquamatic sterndrive single prop drive anode. Volvo Part no: 875810. For use in Salt water.

Dimensions:
100 × 100 × 12 mm

Weight   0.2kg

Part No   11153

VOLVO PENTA

CMV16 – Martyr Zinc Anode for Volvo Penta 200 Drive Sterndrive 875809

Small Prop Ring. Fits 200, 200A, 200B. Volvo Part no: 875809. For use in Salt water.

Dimensions: 108 × 108 × 11 mm

Weight   0.21kg

Part No   11154

VOLVO PENTA

CMV17 – Martyr Zinc Anode for Volvo Penta 270 Drive Sterndrive 875805

Medium Prop Ring. Fits 270 B,C,D, SP, T, 275, A, SP-A/MT, 250, C,D. Volvo Part no: 875805. For use in Salt water.

Dimensions: 116 × 116 × 10 mm

Weight   0.32kg

Part No   11155

VOLVO PENTA

CMV18 – Martyr Zinc Anode for Volvo Penta 200-290 Sterndrives 875815

Large Prop Ring. Fits 280, B, C, D, E, SP, T, 290, A, B, D, SP, SP-A, SP-C, SP-E, SP-A1, SP-A2, 280PT. Aquamatic sterndrive single prop drive anode. Volvo Part no: 875815. For use in Salt water.

Dimensions: 120 × 154 × 35 mm

Weight   0.73kg

Part No   11156

VOLVO PENTA

CM823661Z – Martyr Zinc Pencil Anode for Volvo Penta Diesel engines 823661

Fits TAMD60 A,B,C, MD70B, TAMD70 B, C, D, E, D12 500, 700, 715, 800, TAMD122 A, C, D, P, P-A, P-B, P-C, MD70C. For use in Salt water. Original part number 823661.

Dimensions: 25 × 25 × 54 mm

Weight   0.15kg

Part No   11158

VOLVO PENTA

CM875821Z – Martyr Zinc Anode for Volvo Penta Duo DP 280 290 Outdrive 875821

Duo Prop Ring Anode. Fits: 280DP, 280T-DP, 280A-DP, DPA, A1, A2, B, G, C, D, D1, D2, E, B1, C1. Volvo Part no: 875821 lower gear anode. For use in Salt water.

Dimensions: 111 × 144 × 30 mm

Weight   0.58kg

Part No   11160

CM852835Z – Martyr Zinc Bar Anode for Volvo Penta Sterndrive and engines 852835/873178

Fits transom shield Aquamatic sterndrive single prop drive 280 and 290 and SP ranges. Fits 290, A, A-DP, B, D, DP, DP-A, DP-A1, DP-A2, DP-B, DP-B1, DP-C, DP-C1, DP-D, DP-D1, DP-D2, DP-E, DP-G, SP, SP-A, SP-A1, SP-A2, SP-C, SP-E. Volvo part number 852835 or 873178. For use in Salt water.

Dimensions: 129 × 44 × 27 mm

Weight   0.76kg

Part No   11161

VOLVO PENTA

CM851983Z – Martyr Zinc Anode for Volvo Penta 120 Saildrive 876286/851983

Fits 120, B, C, D, E, MS25S , MS25S-A, MS25S-R, S120C. Volvo Part no: 876286. For use in Salt water. Split ring version also available.

120S, 120SB, 120C-D, 120S-D, 120-E, S120C.

Dimensions: 123 × 96 × 28 mm

Weight   0.6kg

Part No   11162

VOLVO PENTA

CM875812Z – Martyr Zinc Anode for Volvo Penta 110 120 Saildrive 875812

Sail Drive Prop Ring Anode. Fits 110S, 120S, MS25S. Volvo Part no: 875812 lower gear anode. For use in Salt water.

Dimensions: 106 × 138 × 43 mm

Weight   0.92kg

Part No   11164

VOLVO PENTA

CM872793Z – Martyr Zinc Anode for Volvo Penta SX and DPX Outdrive 872793/3861583

Hook-up Fork Triangle Anode. Fits SP, DP, SX, DPX, XDP-B Sterndrives. Volvo Part: Volvo Part no: 3861583. For use in Salt water.

Dimensions: 65 × 38 × 13 mm

Weight   0.11kg

Part No   11165

VOLVO PENTA

CM872139Z – Martyr Zinc Anode for Volvo Penta DPX Outdrive 872139

DPX Outdrive or Aquamatic sterndrive Duoprop range. Transform Bar Anode. Fits DPX, DPX-C, DPX-R, DPX-S, DPX-A. Volvo Part no: 872139. For use in Salt water.

Dimensions: 130 × 45 × 26 mm

Weight   0.66kg

Part No   11151

VOLVO PENTA

CM3855411Z – Martyr Zinc Anode for Volvo Penta Outdrives

Forward Spray Plate/Cavitation Plate/Transom Plate Anode. Fits DP-SM, DP-SMTD, DP-SMTD1, DP-SMTD3, SX-M, SX-MTD, SX-MTD3, SX-MTD, SX-MTD3, SX-M1, SX-MLT, SX-MDA, SX-MDB, SX-MHP, SX-MACLT, SX-MDC, SX-MBAC, SX-MACLT, SX-MBAC, SX-MHP, SX-C, SX-C1, SX-C2, SX-CT, SX-CT1, SX-R, SX-RT1, SX-RT2, DP-S, DP-S1, SX-C1AC, SX-C2AC, SX-R1, SX-R2, SX-CLT, SX-CLT1. Volvo Part no: 3855411. Aquamatic sterndrive single prop drive. For use in Salt water.

Dimensions: 62 × 62 × 10 mm

Weight   0.24kg

Part No   11326

VOLVO PENTA

CM3854130Z – Martyr Zinc Anode for Volvo Penta Outdrive 3854130

Gimbal Plate or transom shield Anode. Fits DP-SM, DP-SMTD, DP-SMTD1, DP-SMTD2, DP-SMTD3, SX-M, SX-MTD, SX-MTD3, SX-M, SX-M1, SX-MLT, SX-MDA, SX-MDB, SX-MHP, SX-MACLT, SX-MDC, SX-MBAC, SX-MACLT, SX-MBAC, SX-MHP, SX-C, SX-C1, SX-C2, SX-CT, SX-CT1, SX-R, SX-RT1, SX-RT2, DP-S, DP-S1, SX-C1AC, SX-C2AC, SX-R1, SX-R2, SX-CLT, SX-CLT1 and Aquamatic sterndrive single prop drives. Volvo Part no: 3854130. For use in Salt water.

Dimensions: 90 × 80 × 48 mm

Weight   1.05kg

Part No   11327

VOLVO PENTA

CM3858399Z

Volvo 3 piece propeller anode

Part No   11387

CMBNT1AZ

Martyr Zinc Trim Tab Anode for Bennett or similar. For use in Salt water. Anode only. Designed to mount on Bennett Trim Tabs where the actuator mounts to the plane.

Dimensions: 55 × 27 × 14 mm

Weight   0.2kg

Part No   11325

YANMAR

CM19642002652Z – Martyr Zinc Anode for Yanmar Saildrive Engines

Martyr Zinc Anode for Yanmar Saildrive Engines without adaptor ring. Fits SD20, SD30, SD31, SD40, SD50. For use in Salt water. Yanmar part number: 196420-02652. Like Tecnoseal part number 01305.

Dimensions: 147 × 107 × 26 mm

Weight   0.85kg

Part No   11180

CM19644002660

For drives with adaptor ring

Part No   11385

CM272100200300Z

Pencil Anode

Yanmar plug anode

Part No   11181

Martyr CM6H14525102Z Yamaha Outboard Transom Bar Zinc Anode. Replaces Yamaha 6H1-45251-02Z.

Part No 11296

CM6884537102Z – Martyr Zinc Fin Anode for Yamaha Engines

Skeg / Trim Tab. For use in Salt water. Original part no: 688-45371-02

Fits outboard engine 70-90 ETLN/ETXN/ETLK, CV75-85ELF/TLR, P60TJHR, F50TLH Series. Yamaha 50-60-70-75-80-85-90 HP series.
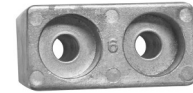
Dimensions: 134 × 93 × 80mm

Weight 0.48kg

Part No 11298

CM6E54525100Z

Zinc Yamaha small block anode. For salt water use only.

Anode Body Length: 47mm

Width: 23mm

Height: 23mm

Weight 0.14kg

Part No 11300

CM6J94537100Z – Martyr Zinc Skeg Anode for Yamaha 150-225HP Engines

Skeg / Trim Tab. For use in Salt water. Standard rotation.

Original part: 6J9-45371-00.

Dimensions: 129 × 99 × 90 mm

Weight 0.5kg

Part No 11303

CM6884525101Z – Martyr Zinc Button Anode for Yamaha Engines

Button for use in Salt water. Original part number 688-45251-01

Fits Mariner/Yamaha 40-50-70-90 HP up to 1987.

Dimensions: 20 × 20 × 8 mm

Weight 0.04kg

Part No 11304

CM61N4525101Z – Martyr Zinc Anode for Yamaha 8-25HP Engines

Trim Tab. For use in Salt water. Original part number 61N-45251-01.

Dimensions: 80 × 59 × 27 mm

Weight 0.26kg

Part No 11305

Zingard Zinga Spray

Zingaspray (500ml aerosol) has all the advantages of the original Zinga in an easy-to-use spray can.

One coat of Zingaspray will dry at approximately 20-25 microns. Therefore a minimum of two coats is recommended.

Zingaspray can be used for repairing galvanised steel or products previously treated with Zinga.

Part No

11400

Zinc Pencil Anodes

Part No	MG Duff Part No	Desciption	Part No	MG Duff Part No	Description
11401	P10502	1.05" X 2"	11411	P5004	1/2" X 4"
11402	P10502 8MM	1.05" X 2" with 8mm	11412	P5006	1/2" X 6"
11403	P10503	1.05" X 3"	11413	P6252	5/8" X 2"
11404	P10504	1.05" X 4"	11414	P6253	5/8" X 3"
11405	P10506	1.05" X 6"	11415	P6254	5/8" X 4"
11406	P3752	3/8" X 2"	11416	P6256	5/8" X 6"
11407	P3753	3/8" X 3"	11417	P7502	3/4" X 2"
11408	P3754	3/8" X 4"	11418	P7503	3/4" X 3"
11409	P3758MM	3/8" X 35mm	11419	P7504	3/4" X 4"
11410	P5002	1/2" X 2"	11420	P7506	3/4" X 6"

Brass Pencil Anode Plug

Part No	MG Duff Part No	Description
11421	PP1000B	Brass Plug for P1050 - 1" NPT Thread
11422	PP250B	Brass Plug for P375 - 1/4" NPT Thread
11423	PP375B	Brass Plug for P500 - 3/8" NPT Thread
11424	PP500B	Brass Plug for P625 - 1/2" NPT Thread
11425	PP750B	Brass Plug for P750 - 3/4" NPT Thread

For bolt on hull anodes see page 6.

Anodes

Aluminium Anodes

For use in Salt & Brackish Water only.

Aluminium anodes have been on the market for the last 30 years or more, but since the price of zinc has doubled in the last two years, aluminium is now cheaper," says MG Duff commercial director James Beale. "And it's the better anode material: it has a higher driving voltage so, unlike zinc, it works in salt water and brackish – and has a higher amp-hour per kg rate meaning it lasts longer too. Another plus is that aluminium anodes are more environmentally friendly as, unlike zincs, they don't contain cadmium.

AD59 Button Anode

Part No	**11450**
Width	70
Depth	25
Weight	0.16KG

AD56 Disc Anode

Part No	**11451**
Length	100mm
Width	80mm
Depth	25mm
Weight	0.42KG
Stud Size	M10

AD58 Disc Anode

Part No	**11449**
Length	150mm
Width	125mm
Depth	35mm
Weight	0.9KG
Stud Size	M10

AD77 Pear Anode

Part No	**11452**
Length	229mm
Width	83mm
Depth	41mm
Weight	1KG
Stud Size	M10
Centres	200mm

AD77 Large Euro Anode

Part No	**11453**
Length	318mm
Width	65mm
Depth	32mm
Weight	1KG
Stud Size	M10
Centres	110 - 210mm

AD78BX Hull Anode

Part No	**11454**
Length	305mm
Width	76mm
Depth	32mm
Weight	1.85KG
Stud Size	M10
Centres	200mm

ASA Shaft Anodes

The ASA range of shaft anodes are well known for their quality, and classic golf ball shape. This range of shaft anodes are an excellent way to protect your shaft from corrosion.

Part No	Shaft Dia
11455	25mm
11456	1"

MGDA Shaft Anodes

The MGDA range of shaft anodes are known for their superior quality, and are particularly suited to vessels with high shaft speeds.

Building on the integral core bar design that controls wastage, ensuring the shaft anode remains secure, the MGD range now incorporates socket head (allen bolt) stainless steel fixings with captive nuts to ensure maximum reliability. Available in a wide range of metric and imperial sizes, offering a direct fit for your propeller shaft.

Part No	Shaft Dia
11457	25mm
11458	1"
11459	30mm
11460	1 1/4"

FIBREBLAST

Boat Cleaner

Now available, Seaware's very own boat cleaner, Fibreblast - available in 1L and 3.25L sizes. Fibreblast removes stubborn stains on the waterline as well as rust and exhaust stains and the usual dirt and grime found on boats.

Fibreblast removes stubborn stains on the waterline as well as rust and exhaust stains and the usual dirt and grime found on boats. Fibreblast is suitable for fibreglass, gelcoat and most two pack polyurethane paints and single pack yacht enamels.

Directions

- Unscrew the lid and apply generously to the surface with a paint-brush.

- Leave for about 30 minutes on the surface to gently "blast" away and absorb the stains.

- Rinse with a sponge and clean water.

- Leave on longer or repeat the application process for tough stains and in colder weather.

- When using for the first time on a surface it is advisable to apply Fibreblast on a small area first to test.

Part No	Description
61130	Fibreblast 1 Litre
61131	Fibreblast 3.25 Litre

3M™ Perfect-it™ Boat Wash

3M's best product solution to clean a variety of boat surfaces. The product is a professional strength concentrate, making up to 16 gallons. It works safely on surfaces from stem to stern. And it works without stripping wax .

Part No	Description
63680	3M Perfect - It Boat Wash 473ml
63681	3M Perfect - It Boat Wash 946ml

Wessex Propeller Cleaner

This professional-grade propeller cleaner has been designed to remove calcium deposits, algae and soften and help remove barnacles from all boat and yacht propellers.

It delivers superb propeller cleaning results on a range of metals including stainless steel, bronze and aluminium propeller blades, shafts and casings.

Part No
61566

Wessex Proflush Engine Descaler

Proflush Marine Engine Descaler removes unwanted marine deposits from waterways including: scale and light rust crustaceans Salt deposits Magnetite With a colour indicator you can clearly see when all scale and deposits are neutralised as the liquid will remain a constant colour once it's work is completed. Proflush will remove 1.09Kg of calcium/scale equivalent per litre of product used.

Part No	Description
61567	Wessex Proflush 1 Litre
61568	Wessex Proflush 5 Litre

Jabsco Toilet Cleaner 1 Litre

Part No
61109

Jabsco Odourless Holding Tank Treatment 1 Litre

A blend of enzymes, friendly bacteria and surfactants, to break down waste in marine holding tanks.

Part No:	61108

Wessex Boat Wash

Boat Wash is the perfect solution for cleaning fibreglass hulls on boats and yachts. It effectively removes dirt, grime and grease leaving your hull clean and shining.

Great for use on non-slip decks, metal parts and railings, and teak decks, Boat Wash is highly concentrated, as little as 20 ml into a bucket of water will do an excellent job of cleaning down hulls and leaving them shiny and streak-free.

Boat Wash can also be used as a spot-on spray for quickly removing marks, stains and even birdlime.

Part No	Description
61550	Wessex Boat Cleaner 1litre

Wessex Canopy Cleaner & Protector

This Canopy Cleaner & Protector effectively cleans off mould, dirt, grime, grease and oil from boat and yacht canopies and other marine craft covers.

After cleaning, the spray leaves a special protective film to combat against regrowth and prevent UV fading. This ready-to-use formula means you can just spray onto the canopy then simply wipe clean with a non-scratch cloth.

The water based mixture is fully bio-degradable and so can be used for cleaning your boat in and out of the water.

Part No	Description
61552	Wessex Canopy Cleaner 750ml

Wessex Oxalic Acid

Industrial grade, high purity oxalic acid crystals / granules suitable for a range of purposes. Suitable for various uses including stain removal from hardwoods to rust removal from stainless steel and other metals.

Frequently used on boats and yachts for GRP fibreglass cleaning, salt corrosion removal from engine waterways and cleaning/stain removal on teak boat decks. Helps clean and remove problematic areas on boats including rust, algae, dirt and grime.

Should be used with caution around delicate metals, for example, aluminium.

Part No	Description
61556	Wessex Oxalic Acid 1KG

Sail Cleaner

This sail cleaner is quick and effective at cleaning boat, yacht and dinghy sails. It removes general dirt, grime, grease, traffic/pollution film and mould from sail material and is safe on sail stitching and other sail materials. It also smells pretty good too!
It is biodegradable, so is environmentally safe, and can be used for cleaning your boat in and out of the water. It also works brilliantly for cleaning caravan and boat awnings too.

Part No	Description
61558	Wessex Sail Cleaner 750ml

Teak Cleaner Part One

Wessex Teak Cleaner. (part 1) is designed to take away the natural silver colour teak turns over time, and bring it back to the colour it was when new (a straw colour). When using the Wessex Teak Cleaner for the first time, you will notice it making the teak wood go dark brown in colour. As you apply it with a sponge or brush you will also notice the dirt and muck coming off. When you have finished applying Teak Cleaner and begin to rinse off with water, you will see dirty brown water running off the teak. You will literally see the dirt being removed!

Part No	Description
61560	Wessex Teak Deck Cleaner Part 1 - 1 Litre
61561	Wessex Teak Deck Cleaner Part 1 - 5 Litre

Teak Renovator Part Two

Wessex Teak Renovator (part 2), sometimes referred to as a teak brightener, is designed to restore the colour so it looks like new teak again. As soon as you apply Teak Renovator, the teak will lighten to a lovely uniform amber colour and eventually dry to a straw colour, just like new teak. No patchy areas, just some teak to be proud of again!

Part No	Description
61562	Wessex Teak Renovator Part 2 - 1 Litre
61563	Wessex Teak Renovator Part 2 - 5 Litre

Wessex Bilge Cleaner (Bilgex has now been discontinued)

Wessex Bilge Cleaner lifts off dirt, grime, grease, oil and scale from bilges, pipes and lockers in boats and yachts.
It helps combat the growth of limescale, mould and mildew commonly found in boat bilges. Wessex Bilge Cleaner also controls bad odours caused by stagnant water in bilges, holding tanks and traps under showers and sinks.
Ideal for over-wintering to keep tanks free from odour build-up. Safe for use on a variety of hard surfaces including metals, plastics, laminates and ceramics. Avoid spillages on fabrics, including carpets.100% environmentally friendly and biodegradable.

Part No	Description
61132	Wessex Bilge Cleaner 1 Litre
61133	Wessex Bilge Cleaner 5 Litre

Glass Cleaner

Powerful formulation contains a high alcohol and ammonia content for superior cleaning performance.

Part No	Description
61564	Wessex Glass Cleaner 750ml

Epifanes Inflatable Boat Cleaner

This product is specially designed for safely cleaning and maintaining all butyl, hypalon, rubber and vinyl boats and surfaces. It slows down the ageing process considerably, prevents drying out and cracking and removes ingrained dirt, tar, diesel oil, scuff marks etc. Seapower Inflatable Boat Cleaner is also excellent for cleaning fenders. After treatment, they will not become sticky when exposed to sunlight, like other cleaners. It also reduces fender squeaks, familiar to all who lie alongside.

Part No	Description
69330	Seapower Inflatable Boat cleaner 500ml

Pre-Clean - 1 Litre

High strength cleaner and degreaser for pre-cleaning gelcoat and painted surfaces to remove fuel, oil, grease, wax and silicone.

Part No
67130

Wax TecCel - 500ml

High performance liquid wax with TecCel technology, for a long lasting, deep gloss, tough protective finish on gelcoat, painted and varnished surfaces.

Part No
67247

Alu Protect - 500ml

A silicone-free oil, for cleaning and protecting metal rigging and fittings. For cleaning and protecting aluminium masts and booms, steel and stainless steel rigging and fittings. Penetrates into wire ropes and under fittings, ensuring long-term protection.

Part No
67245

Treadcote

TREADCOTE is designed to rejuvenate the appearance of heavily weathered or stained TREADMASTER Original. This paint is easy to apply, with full surface preparation and application details shown on the can.

Part No	Description
91883	White Sand
91884	Grey
91885	Blue
91886	Fawn

International.

Super Cleaner - 500ml

A highly concentrated cleaner. Removes wax, oil and contamination effectively. Suitable for hand and high pressure machine washing. Degreases and cleans with no damage to gelcoat or paint work. Always use before waxing diluted or undiluted.

Part No
68480

Boat shampoo - 500ml

A universal cleaner for fibreglass, wood, metals and painted surfaces. It does not remove wax and can be used regularly without affecting your wax protection.

Part No
68481

Stain Remover - 500ml

A high strength penetrating gel that quickly and easily removes stains, such as light rusting and yellowing, on GRP and painted surfaces.

Part No
68482

Liquid Rubbing - 500ml

A liquid polishing product that restores the former shine on gelcoat and painted surfaces. Does not contain wax or silicone. For both manual and machine polishing (800 - 1000 rpm).

Part No
68483

Marine Polish - 500ml

An ultrafine grade polish with wax, for use on gelcoat and paintwork. Gives lasting protection and high gloss. For manual and machine polishing (800 - 1000 rpm). Free from silicon oils.

Part No
68484

Marine Wax - 500ml

Gives lasting protection without abrasives or silicone. Easy to work with and an ideal product for larger surfaces. This product offers a hard, long lasting, full gloss surface and gives protection against saltwater and sunlight. For manual and machine use (800 - 1000 rpm)

Part No
68485

Polish and Wax- 500ml

A cleaner, polish and wax in one product. Used for quick and easy cleaning, polishing and waxing of oxidised gelcoat and painted surfaces. Free from silicon oils. For manual or machine use (800 - 1000 rpm)

Part No
68486

Teak Restorer - 500ml

Cleans and restores teak and other hardwoods.

Part No
68488

Teak Oil - 500ml

A special penetrating oil for protection of teak decks and teak interiors. It produces a protective and easy-clean surface.

Part No
68489

HEMPEL

Teak Cleaner - 750ml

A powder for cleaning all teak areas. Especially good for large areas such as decks, and for wood that's turned dark grey. Removes dirt and marks giving a clean surface ready for you to apply Teak Oil.

Part No
66374

3M Marine Vinyl Cleaner 250ml

3M Marine Vinyl Cleaner is a one-step product that conditions and protects vinyl, plastic and rubber surfaces as it cleans - creating a long-lasting protective barrier that withstands repeated cleaning and prevents damage from sunlight.

Part No

63691

3M Clear Plastic Restorer 250ml

Safely cleans and removes fine scratches and haziness from most marine plastics. Can also be used on most tinted plastics.

Part No

63696

3M Metal Restorer & Polish 500ml

Designed to restore and polish stainless steel, bronze, copper, chrome, aluminium, and other marine metals by removing surface oxidisation, corrosion and tarnish.

Part No

63689

3M General Purpose Adhesive Cleaner 1ltr

Mild solvent for surface preparation prior to adhesive use. Also use for cleaning up adhesives/sealants and for the removal of silicone polish, wax, grease and oil.

Part No

63807

Brillo Washing Up Liquid

Specially formulated washing up liquid for use in professional kitchens. Contains a concentrated blend of high active grease cutting ingredients that leaves tableware clean and smear free. 5 litres makes up to 7,500L of ready to use dish washing detergent

Part No

5 Litre

61620

3M Professional Panel Wipes

Have our strong and highly absorbent 3M™ Professional Panel Wipes to hand to clean and degrease auto panels and other surfaces quickly and effectively. You can use our wipes for other heavy duty cleaning tasks. You'll find them safe and suitable for use on stainless steel, chrome, aluminium, plastics, enamel and glass. Use them wet or dry. Our strong and highly absorbent wipes are low linting and anti static. 400 sheets per box.

Part No	Description
64048	3M Professional Panel Wipes Pack of 400

Prep - Heavy Duty Trade Wipes

Safe Guard wipes are tough, fast, safe and convenient wipes designed to remove a wide range of soils such as paint, silicones, mastics, inks, adhesives, oils, greases and general dirt. They are ideal for cleaning the hands, work tools and hard surfaces.

Part No	Description
60292	Heavy Duty Trade Wipes Tub of 80

White Spirit

White Spirit is a highly refined solvent meeting the requirements of BS245. Suitable for general cleaning purposes, brush cleaning and paint thinning. It is more suitable for paint thinning than other solvents as it will not affect the drying time of oil based paints.

750ml	2 Ltr
61505	61500

Acetone

Solvent for cleaning up polyester, polyurethane and epoxy resins. Use for cleaning brushes, equipment, blocked spray guns etc.

Part No	
1 Ltr	2.5 Ltr
63000	63001

Turpentine Substitute

A high quality turps substitute which is commonly used for thinning oil based paints and cleaning brushes, or as an organic solvent in other applications.

25 Ltr

61495

Standard Bucket - 10 Litres

2 Gallon (10 Litre) quality general purpose bucket calibrated in gallons and litres. With gripper handle.

Colours may vary.

Part No

91704

Invincible Bucket - 15 Litres

3 Gallon (15 Litre) quality tough heavy duty 'Invincible' Bucket calibrated in gallons and litres. With gripper handle and pourer.

Colours may vary.

Part No

91705

PVC Stow-Away 10 Litre Nylon Bucket

Reinforced Plastic and Stainless handle. Comes in Yellow, with side pocket.

Part No

76156

1 Litre Jug

Clear, rigid general purpose jug. Calibrated to 1 litre.

Part No

91712

Suction Pad Handle

Ideal to hang to the boat sides during cleaning operations and external maintenance activities. Also fit for lifting hatches. It hangs to any surface within seconds. Fitted with suction pads and flip-up fastening flaps.

Part No

96220

Synthetic Sponge

Individually wrapped.

Part No

90557

Hand Scrub Brush

Suitable for removing stubborn stains from hard surfaces and hard floor areas. 220mm

Part No

90545

Professional Microfibre Wash Mitt

Made of soft microfibre. It absorbs large quantities of water for optimal and effortless cleaning of wide surfaces. Elastic wrist band for a better cleaning performance. Universal fit.

Part No

96332

Microfibre Cloths

40 x 40cm

Pack of 10. Colours may vary.

Part No

60360

10kg Bag of White Rags

Mixture of rags for cleaning.

Part No

60291

Mutton Cloth

(Stockinette)

High quality cotton stockinette cloth for general cleaning and polishing tasks.

400gm

60298

Tack Cloths

Cloths for wiping down surfaces prior to painting to ensure a smooth finish. They are slightly tacky and will pick up and hold dust, dirt and sanding residue. Sold singly or in packs of 10.

Part No

60297

DRAPER

Draper syphon pump

Manufactured from plastic, the pump is a useful item for transferring a wide variety of inert liquids. Inlet pipe 390mm long; outlet pipe 400mm long. Display packed.

Part No
90558

Hand Bailer

Strong thermoplastic
• Length 20 cm.
• Resistant down to -30°
• Suitable for life rafts.
• White.

Part No
90560

Standard Funnel Clear 4.5"

Part No
91706

Standard Funnel Clear 6.5"

Part No
91707

Large Funnel 10"

Robust, rigid funnel with a 10" (254mm) mouth.

Part No
91708

Telescopic Handle   Soft Brush   Medium Brush

9" Complete Deck scrub & Broom Handle set

1.2m Long broom handle

Synthetic Bristles.

Part No
90546

Deluxe Broom Sticks

The telescopic broom handle is simply set in four different lengths.

Blue brush head = 8" wide Soft Bristles

Yellow brush head = 8" wide Medium Bristles

Part No		
Blue Brush Soft	Yellow Brush Medium	Telescopic Broom 106-180cm
90552	90554	90550

Flexible Funnel

Versatile plastic funnel with detachable long reach spout, splash lip and filter mesh.

Part No
91709

MultiSolve 500ml Aerosol

It is a complete new multi-purpose solvent; for the safe removal of adhesives and sealants.

Removes adhesives, sealants, oil, grease, silicon, wax, tar, paraffin, printing ink etc. Leaves no oil film.

Fast, thorough and safe degreasing and cleaning.

Can be used on painted surfaces, vinyl, glass, rubber and plastics.

Fast drying.

Part No
60516

Mould Stain Remover 500ml

Cleans and bleaches stains caused by mould spores, fungus and algae from most surfaces including grout and the surface of silicone seals and other damp areas. Once cleaned and with regular use it will help prevent re-growth and the reappearance of fungal stains. It has a 360 degrees head for ease of use and gives accurate spray action for interior or exterior use.
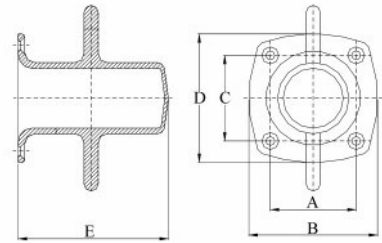
For interior and exterior use.

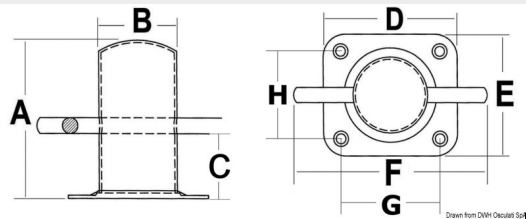| Part No |
|---|
| 61506 |

Bollards / Sampson Posts

Horn Bollards

Cast 316 Stainless Steel Horn Bollards. Mirror Polished.

Part No	Description
76218	Horn Bollard 200mm SS 316
76220	Horn Bollard 240mm SS 316

316 Stainless Steel Sampson Post.
Cast in one piece and hand polished to give a brilliant shine with no joins or unsightly welds to be seen.

| Part No	Description
76208	(A) 60 (B) 90 (C) 60 (D) 90 (E) 105mm - M6 Screw
76210	(A) 65 (B) 96 (C) 95 (D) 120 (E) 120mm - M8 Screw
76212	(A) 80 (B) 120 (C) 116 (D) 150 (E) 150mm - M10 Screw

Drawn from DWH Osculati SpA

Made of mirror-polished AISI316 stainless steel.

| Part No	Description	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Stud Ø mm
96113	100mm AISI316 Stainless Steel Bollard Ercol	100	Ø 50	55	90	80	130	66	57	6.5
96114	120mm AISI316 Stainless Steel Bollard Ercol	120	Ø 60	70	120	95	180	95	70	6.5
96115	142mm AISI316 Stainless Steel Bollard Ercol	142	Ø 70	82	140	118	180	105	80	8.5

Made of high-gloss polished stainless steel (AISI 316). Bollards type ACHILZ are for direct welding to the deck. Dimensions are similar to ACHIL.

Bollard with baseplate

| Part No	Vetus	Safe Working Load	A	B	Ø	C	D	E
58223	ACHIL080	620 kgf	120	90	40	80 x 65	52	4 x Ø6.5
58224	ACHIL090	620 kgf	130	95	50	92 x 92	52	4 x Ø6.5
58225	ACHIL110	1150 kgf	160	120	60	122 x 97	70	4 x Ø8.5
58226	ACHIL130	1150 kgf	180	142	70	140 x 118	82	4 x Ø8.5
58227	ACHIL150	1800 kgf	200	172	80	153 x 122	100	4 x Ø10.5
58228	ACHIL160	2620 kgf	225	195	90	165 x 135	120	4 x Ø10.5
58232	ACHIL080Z	620 kgf	120	90	40		52	
58233	ACHIL090Z	620 kgf	130	95	50		52	
58234	ACHIL110Z	1150 kgf	160	120	60		70	
58235	ACHIL130Z	1150 kgf	180	142	70		82	
58236	ACHIL150Z	1800 kgf	200	172	80		100	
58237	ACHIL160Z	2620 kgf	255	195	90		120	
58239	ACHIL090B	620 kgf	50	92	50			8mm
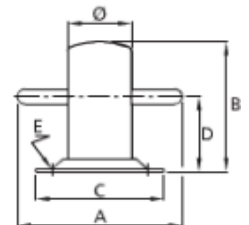
Cleats
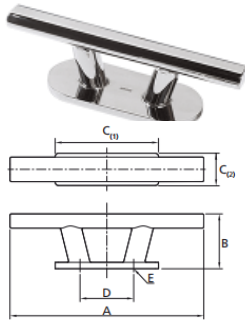
All models are tapped on the underside so that no fastenings are visible. Made of high-gloss polished stainless steel (AISI 316).

Bollard with baseplate							
Part No	Vetus	Safe Working Load	A	B	C	D	E
58214	TAURUS01	575 kgf	140	50	89.5 x 30	47	2 x M8
58215	TAURUS02	900 kgf	195	60	120.5 x 35	69	2 x M10
58216	TAURUS03	1310 kgf	255	75	150 x 40	83	2 x M12

Precision-cast push-up cleat Made of mirror-polished AISI316 stainless steel. Fitted with mounting studs and retainer plate.
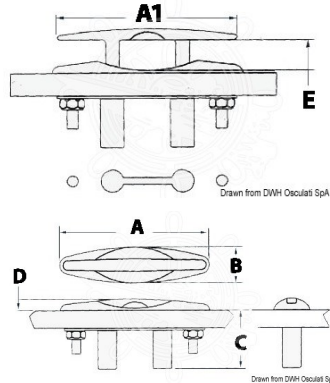
Part No	Description	A	A1	B	D	C	E	Stud
96090	6" Pop Up Cleat	164	150	38	12	60	23	10
96091	8" Pop Up Cleat	217	203	50	15	83	36	10

Manufactured from
316 Stainless steel

Stainless Flat Top Cleats	
Part No	Length
23000	4" (102mm)
23005	6" (152mm)
23010	8" (203mm)
23015	10" (254mm)

Black Nylon Flat Top Cleats	
Part No	Length
23200	3" (76mm)
23201	4.5" (102mm)
23202	5.5" (127mm)
23203	6.5" (165mm)

6" Stud Mount Folding Cleat

Made from 316 S/S these folding cleats require nothing but two holes to fit screws or studs. Where most pop-up cleats need substantial space below deck, these require nothing but a suitable surface to attach them to. Stud mounted with hidden Fastenings.

Part No	Length
96556	6" (152mm)

Only Right/Left Terminal for Fairlead

Mirror-polished finish.

AISI 316 Stainless Steel

Part No	Description
96466	Only Right/Left Terminal

Stainless Steel Fairleads

Manufactured from 316 stainless steel

Handed (Pairs)		
Part No	Length	Max Rope Size
23020	4 1/2" (114mm)	10mm
23025	6" (152mm)	18mm

Stainless Steel Fairleads Rounded

Manufactured from 316 stainless steel

Handed (Pairs)		
Part No	Length	Centre Distance
96092	4 1/2" (112mm)	84mm
96093	6" (150mm)	122mm

Straight (Each) fairleads			
Part No	Length	Height	Width
23027	4"	24mm	20mm
23028	5"	24mm	20mm
23029	6"	36mm	24mm

Cowl Ventilators

DON316R
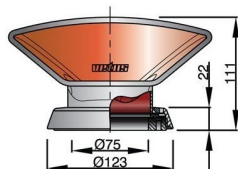
DON316WR

Part No	Description	A mm	B mm	C mm	D mm	Free Flow Area (cm²)	Material
56824	DON316WR White Cowl Ventilator SS 316	111	75	123	22	44.2	Stainless Steel (AISI 316)
56825	DON316R Red Cowl Ventilator SS 316	111	75	123	22	44.2	Stainless Steel (AISI 316)

YOG316R

TOM316R

JER316R
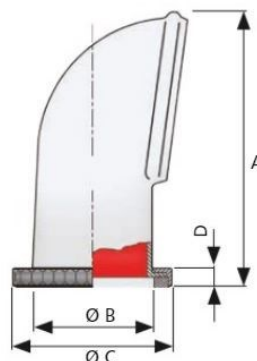
YOG316WR

TOM316WR

JER316WR

Part No	Vetus	Description	A mm	B mm	C mm	D mm	Free Flow Area (cm²)
56833	YOG316WR	125mm White Interior	296	125	181	22	122.8
56834	YOG316R	125mm Red Interior	296	125	181	22	122.8
56835	TOM316WR	100mm White Interior	250	100	153	22	78.6
56836	TOM316R	100mm Red Interior	250	100	153	22	78.6
56837	JER316WR	75mm White Interior	205	75	123	22	44.2
56838	JER316R	75mm Red Interior	205	75	123	22	44.2

Vetus

Cover & Mosquito Screen

Part No	Vetus	Description
56822	SET75	Cover & mosquito screen
56823	SET100	Cover & mosquito screen

SAMOENS

CHINOOK

LIBEC
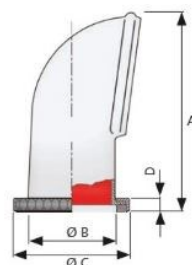
TRAMON

Removable and rotatable

Part No	Description	A mm	B mm	C mm	D mm	Free Flow Area (cm²)	Material	Replaces
56850	TRAMONS Silicone Cowl Ventilator	100	75	127	11	44.2	Silicone	DONALDS
56851	LIBECS Silicone Cowl Ventilator	192	75	127	11	44.2	Silicone	JERRYS
56852	CHINOOKS Silicone Cowl Ventilator	230	100	152	11	78.6	Silicone	TOMS
56853	SAMOENS Silicone Cowl Ventilator	282	125	179	11	122.8	Silicone	YOGIS

Inspection Hatches

Available in black, white or clear plastic.

Part No	Opening Size mm	Cut Out Size	Overall Deck Plate Size	Colour	Part No	Opening Size mm	Cut Out Size	Overall Deck Plate Size	Colour
25100	4" (102mm)	113mm	147mm	White	25106	6" (152mm)	168mm	205mm	White
25101	4" (102mm)	113mm	147mm	Black	25107	6" (152mm)	168mm	205mm	Black
25102	4" (102mm)	113mm	147mm	Clear	25108	6" (152mm)	168mm	205mm	Clear
25103	5" (127mm)	138mm	172mm	White	25109	8" (203mm)	216mm	260mm	White
25104	5" (127mm)	138mm	172mm	Black	25110	8" (203mm)	216mm	260mm	Black
25105	5" (127mm)	138mm	172mm	Clear	25111	8" (203mm)	216mm	260mm	Clear

Quick Twist Deck Plate (Deck Key Opening)

Polished 316 Stainless Steel.

Overall Diameter - 247mm

Cut Out - 222mm

Part No	Description
96059	247mm Deck Plate

Watertight Stainless Steel Inspection Hatch

Made of AISI 316 stainless steel, 1/4 turn opening with winch handle. The cover remains attached to the winch handle on removal for ease of use.

Part No	Description
96060	120mm SS 316 Hatch

UV Resistant Inspection Hatch

Anti-Skid watertight surface, recessed hole with swivelling hollow flat.

Max external 315mm Ø

Passage 240mm

Recess 270mm Ø

Centre distance 290mm

Part No	Description
96061	240mm White UV Inspection Hatch
96062	240mm Black UV Inspection Hatch

Henderson Locker Doors

TCL2 - Robust aluminium construction. Complete with locking lever. Nitrile rubber seal. 179mm inside diameter, 236mm outside diameter.

Part No: 73200

TCL4 - Available with clear or black cover. Approved for use in lifeboats, with reliable watertight seal. All plastic. 179mm inside diameter, 236mm outside diameter.

Black Cover: 73202

Clear Cover: 73203

Service Kits

Part No	To fit
73204	TCL2 & TCL4
73205	TCL3

25145

25146

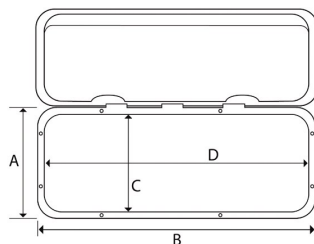**25147 / 25148**

25149

Black/ White

Very sturdy anti-skid surface; **splash-proof** lid closure with neoprene seal; flush mounting; they can be used as hatches for lockers, fishing containers or as boxroom hatches or bayonet front bulkheads; removable front for easy access. Ideal for installation on dashboard with nearby steering bench.

Part No	Description	External Dimensions	Cut - out Dimensions	Inside Dimensions
25145	Black Inspection Hatch (removable lid)	305 X 355	-	225 X 275
25146	Black Inspection Hatch (removable lid)	375 X 375	-	295 X 295
25147	Black Flush Inspection Hatch	373 X 375	300 X 300	285 X 285
25148	White Flush Inspection Hatch	373 X 375	300 X 300	285 X 285
96422	White Flush Inspection Hatch	520 X 465	445 X 390	430 X 375
25149	White Flush Inspection Hatch	600 X 250	530 X 180	515 X 165
25140	Hatch Lock Kit			

Hatch Lock Kit

Part No	Description	External Dimensions A x B (mm)	Cut - out Dimensions C x D (mm)
25150	White Plastic Waterproof Hatch	270 x 375	183 x 289
25151	White Plastic Waterproof Hatch	370 x 375	283 x 289
25152	White Plastic Waterproof Hatch	606 x 353	353 x 606
25153	Hatch Lock		

Stainless steel AISI 316 Hatch Handle

Part No	Description
48052	Hatch Handle 55 x 77mm

Hatch Lock
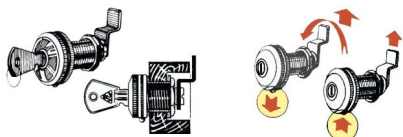
Nickel Plated Cylinder Lock

90° rotation of the back latch by turning a knurled ring nut under the flange (loose rotation). Press the side button to lock the latch. Insert the key to release the latch. The advantage is that the lock can always be used without a key. Supplied with 3 latches (16/20/25 mm) for different thickness. Made of nickel-plated brass (springs included).

Part No	Description
96302	Cylinder Lock Bore Ø 16mm thread length 16mm

Vinyl Foam Hatch Tape

Self-adhesive plasticised vinyl foam tape for bedding in windows, deck fittings and engine hatch covers.

Size	Black	Grey	White
19mm X 3mm X 3m	93094	93095	93096
25mm X 6mm X 3m	93097	93098	93099
25mm x 3mm x 3m	93100	-	-

Spring Hatch Stay 222mm

Part No	Description
48054	Stainless steel spring useful for holding locker lids, hatches and doors. Length: 222 mm.

Gas struts

Gas Strut 90° plate Ø 10mm-ball internal

Part No	Description	A (mm)	B (mm)	C (mm)
96260	90° gas strut plate	30	50	30

Flat Fastening Plate Ø 10mm-ball

Part No	Description	A (mm)	B (mm)
96259	Flat Gas Strut Plate	60	50

Spring Hatch Stay 350mm

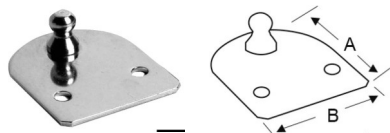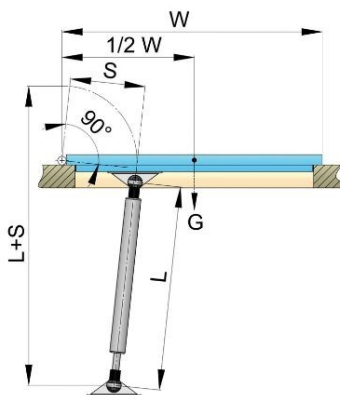| Part No	Description
96063	Made of stainless steel, fitted with spring hatch opening system, supports heavy loads, suitable for hatches and locker lids. 2 fixing plates size 47x47 mm

Gas Strut with Ball Head Stainless Steel AISI 316

Part No	Open mm	Closed mm	Stroke mm	Response kg
96261	254	178	76	14
96262	380	241	140	18
96263	500	295	205	20

Vetus Gas Strut AISI 316

There are many applications on board where the assistance of a gas strut will reduce the effort required.

Part No	Vetus	Force (N)	Stroke S (mm)	Length L (mm)	Length L + S (mm)
55667	GASSP25	180	74	180	254
55668	GASSP30	135	85	220	305
55669	GASSP38	135	140	240	380
55670	GASSP44	180	160	280	440
55666	GASSP51	270	205	305	510
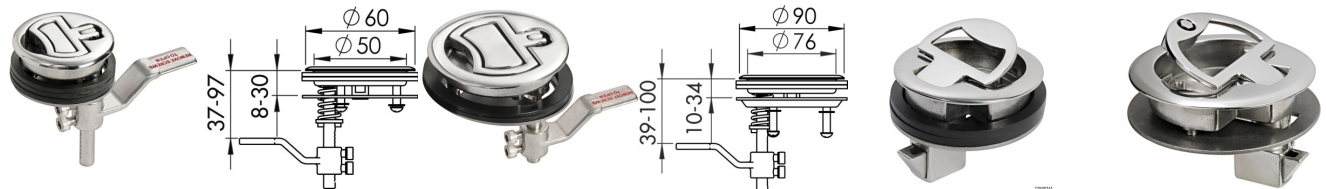
Compression Lift and turn flush latch

External Ø 60mm

Bulkhead hole Ø 50mm

Bulkhead thickness 8-30mm
Stop stroke 37-97mm

Part No	
76350	50mm Non Locking
76352	50mm Locking

Compression Lift and turn flush latch

External Ø 90mm

Bulkhead hole Ø 76mm

Bulkhead thickness 10-34mm
Stop stroke 39-100mm

Part No	
76358	76mm Non Locking
76360	76mm Locking

Standard Flush Pull Latch

AISI 316

For thickness 5-12mm
External Ø 62mm
recess Ø 50mm

Part No	
76344	50mm Non Locking
76346	50mm Locking

Standard Flush Pull Latch

AISI 316

For thickness 7-19mm
External Ø 75mm
recess Ø 63mm

Part No	
76354	63mm Non Locking
76356	63mm Locking

Hatches

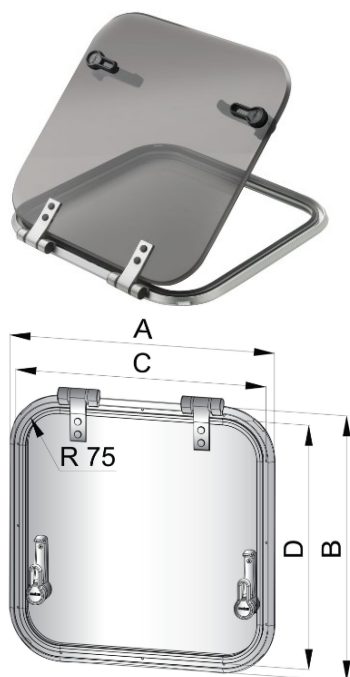## Type PLANUS (All)

Stylish budget model

These hatches have a satin sheen anodised aluminium frame with a 75 mm corner radius and a 10 mm 'dark smoke' coloured acrylic lid. A friction hinge allows the hatches to remain open at any angle up to 180º. Type PLANUS is suitable for design category A, Area II.

Part No	Vetus	Type	External Dimensions A x B (mm)	Cut - out Dimensions C x D (mm)
58500	PLA23L	Ventilation Hatch	280 x 280	230 x 230
58501	PLA30L	Ventilation Hatch	350 x 280	300 x 230
58502	PLA34L	Ventilation Hatch	390 x 260	340 x 210
58503	PLA32L	Deck Hatch	474 x 344	424 x 294
58504	PLA40L	Deck Hatch	424 x 424	374 x 374
58505	PLA45L	Escape Hatch	474 x 474	424 x 424
58506	PLA50L	Escape Hatch	521 x 521	471 x 471

Type ALTUS (All)

Best midrange hatch in the business

This type is made of a sturdy aluminium profile (height 21 mm) with a satin sheen anodised frame and is suitable for design category A and appliance location area II. The acrylic has a thickness of 10mm and is 'dark smoke' coloured. These hatches come with adjusters which are stylish and easy to operate, allowing the lid to be held open at almost any angle up to 90º. Type ALTUS can be fitted on deck and opened from the inside or outside. It has a ventilation position and can be locked completely watertight.


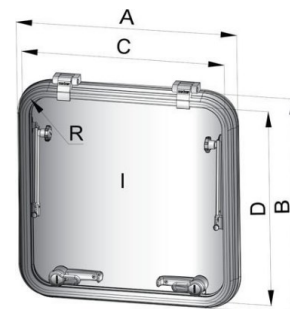| Part No	Vetus	Type	External Dimensions A x B (mm)	Cut - out Dimensions C x D (mm)
58522	ALT6363SL	1 ESCAPE	701 x 701	627 x 627
58523	ALT5151SL	1 ESCAPE	581x 581	507 x 507
58524	ALT4747SL	1 ESCAPE	544 x 544	470 x 470
58525	ALTD520SL	2 ESCAPE	592 x 524	518 x 450
58526	ALTR520SL	3 ESCAPE	Ø 592	Ø 518
58527	ALT4242SL	1 DECK	495 x 495	421 x 421
58528	ALT5038SL	1 DECK	581 x 451	507 x 377
58529	ALT4633SL	1 DECK	531 x 401	457 x 327
58530	ALTR420SL	3 DECK	Ø 491	Ø 417
58531	ALT2626SL	1 VENTILATION	334 x 334	260 x 260
58532	ALTD420SL	2 VENTILATION	491 x 326	417 x 252

Model 1   Model 2   Model 3
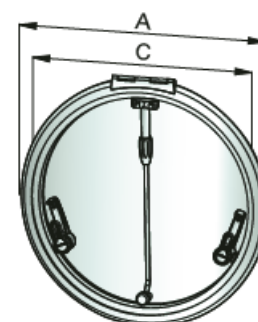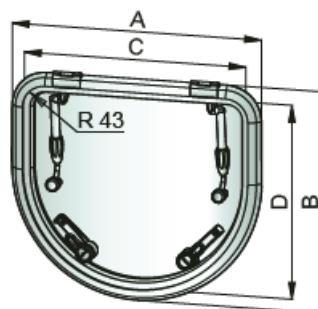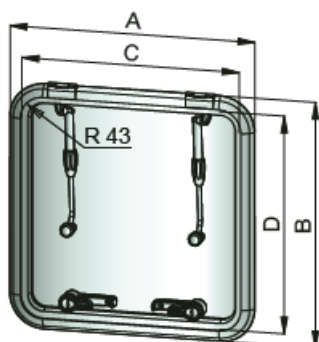
Type LIBERO (AII)

Still going strong

These hatches have a hand polished and anodised aluminium frame with a 32 or 55 mm corner radius and a 10 mm 'dark smoke' coloured acrylic lid. The escape and deck hatches come with adjusters allowing the lid to be held open at almost any angle up to 90º.

Type LIBERO is suitable for design category A, Area II.

Part No	Vetus	Type	External Dimensions A x B (mm)	Cut - out Dimensions C x D (mm)	Cut - out Radius R (mm)
58533	LIB6232L	ESCAPE	680 x 680	620 x 620	32
58534	LIB6255L	ESCAPE	680 x 680	620 x 620	55
58535	LIB5032L	ESCAPE	560 x 560	500 x 500	32
58536	LIB5055L	ESCAPE	560 x 560	500 x 500	55
56879	LIB4155L	ESCAPE	470 x 470	410 x 410	55
56877	LIB3732L	DECK	560 x 430	500 x 370	32
56878	LIB3755L	DECK	510 x 380	500 x 370	55
56875	LIB3232L	DECK	400 x 255	450 x 320	32
56876	LIB3255L	DECK	510 x 380	450 x 320	55
56874	LIB3432L	VENTILATION	400 x 255	340 x 195	32
56873	LIB2032L	VENTILATION	260 x 260	200 x 200	32

Type MAGNUS (AI)

Heavy duty ocean hatch

MAGNUS hatches have a satin sheen anodised frame profile with a 10 mm thick 'dark smoke' coloured acrylic and are designed for ocean use, design category A, Area I. These hatches can be opened from the inside or outside through 180º with almost no obstructions in the opening. They have a ventilation position and can be locked completely watertight. The cut-out sizes of this type match the market-based dimensions.
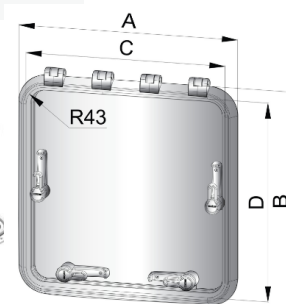
Part No	Vetus	Type	External Dimensions A x B (mm)	Cut - out Dimensions C x D (mm)
58540	MAG6363SL	Escape	679 x 679	627 x 627
58541	MAG5151SL	Escape	559 x 559	507 x 507
58542	MAG4747SL	Escape	522 x 522	470 x 470
58543	MAG4242SL	Deck	473 x 473	421 x 421
58544	MAG5038SL	Deck	559 x 429	507 x 377
58545	MAG4633SL	Deck	509 x 379	457 x 327
58546	MAG2626SL	Ventilation	312 x 312	260 x 260

VETUS handles

Specifications

- The hatch can be opened from the inside or outside
- Can be locked or secured with an air gap for permanent ventilation
- An internal locking mechanism prevents opening from the outside when the boat is unattended
- The low external profiles ensures that ropes cannot get caught under the handles.

Type FGH (All)

Stylish flush hatch

The FGH is specifically designed for new boats. The flush hatches are most suitable for new builds because the deck must be recessed to receive the hatch. After fitting, the hatches are completely recessed into the deck, leaving the deck smooth without visible lines. Type FGH is available in four sizes and is made of 12 mm thick 'dark smoke' acrylic with a polished and anodised aluminium frame. Type FGH is suitable for design category A, Area II.
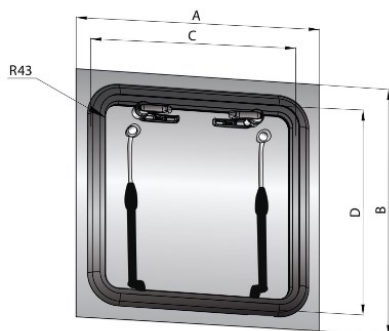
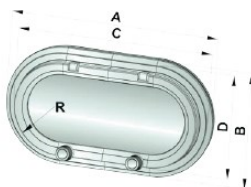| Part No	Vetus	Type	External Dimensions A x B (mm)	Cut - out Dimensions C x D (mm)
58514	FGH2626	Deck Hatch	330 x 330	260 x 260
58515	FGH4444	Deck Hatch	515 x 515	442 x 442
58516	FGH5151	Escape Hatch	580 x 580	507 x 507
58517	FGH6363	Escape Hatch	700 x 700	627 x 627

Portholes Area AI

Heavy duty portholes

These portholes are suitable for use in the hull side. The 10 mm 'smoke' coloured opening pane is set in satin anodised-aluminium frame. Black and white powder coated frames are optional. The clamp fixing ensures that no fasteners are visible from either inside or outside. The portholes can be held open in any position due to the friction type hinges. In closed position knobs ensure water resistance. The porthole can be fitted in a surface with a minimum thickness of 2 mm and a maximum thickness of 18 mm. As standard a mosquito screen is supplied. A fixed version of each opening porthole

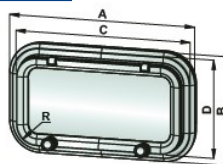| Porthole					
Part No	Vetus	External dimensions A x B (mm)	Cut-out dimensions C x D (mm)	Cut-out radius R (mm)	Type mosquito screen
58550	PM111	244 X 146	220 X 122	61	HOR11
58551	PM121	294 X 172	270 X 148	74	HOR12
58552	PM131	344 X 198	320 X 174	87	HOR13
58553	PM141	362 X 146	338 X 122	61	HOR14
58554	PM151	390 X 220	366 X 196	98	HOR15
58555	PM161	399 X 199	375 X 175	87	HOR16

Type PZ (AI)

Porthole

Part No	Vetus	External dimensions A x B (mm)	Cut-out dimensions C x D (mm)	Cut-out radius R (mm)	Type mosquito screen
58556	PZ611	301 X 164	277 X 140	54	HOR61
58557	PZ621	368 X 179	344 X 155	61	HOR62
58558	PZ631	622 X 197	598 X 173	61	HOR63
58559	PZ641	397 X 197	373 X 173	61	HOR64
58560	PZ651	399 X 190	375 X 166	54	HOR65
58561	PZ661	399 X 234	375 X 210	54	HOR66
58562	PZ671	451 X 274	427 X 250	54	HOR67

Type PW (AI)

Porthole

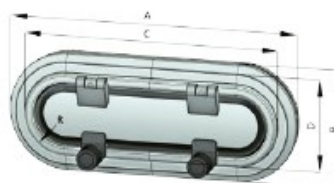| Part No	Vetus	External dimensions A (mm) Ø	Cut-out dimensions B (mm) Ø	Type mosquito screen
58563	PW201	198	174	HOR2013
58564	PW211	220	196	HOR2113
58565	PW221	260	236	HOR2213

Portholes Area AIII

Medium duty portholes

These portholes are suitable for use in the coachroof side. They come with a 10 mm 'smoke' coloured -unframed- opening pane. The clamp type installation ensures that no fasteners are visible from either inside or outside. The portholes can be held open in any position due to the friction type hinges. In the closed position 2 knobs ensure water resistance. They are supplied as standard with a mosquito screen. The porthole can be fitted in a surface with a minimum thickness of 2 mm and a maximum thickness of 18 mm.

Porthole

Part No	Vetus	External dimensions A x B (mm)	Cut-out dimensions C x D (mm)	Cut-out radius R (mm)	Type mosquito screen
58566	PM113	244 X 146	220 X 122	61	HOR11
58567	PM123	294 X 172	270 X 148	74	HOR12
58569	PM143	362 X 146	338 X 122	61	HOR14
58570	PM153	390 X 200	366 X 196	98	HOR15

Deck Hardware

Type PZ (AIII)
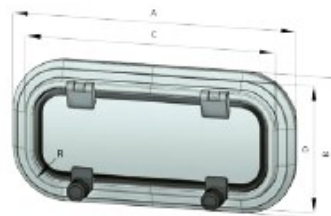

PZ

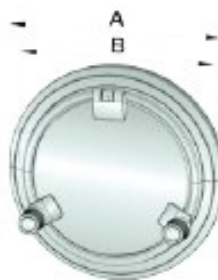| Porthole					
Part No	Vetus	External dimensions A x B (mm)	Cut-out dimensions C x D (mm)	Cut-out radius R (mm)	Type mosquito screen
58572	PZ613	301 X 164	277 X 140	54	HOR61
58573	PZ623	368 X 179	344 X 155	61	HOR62
58574	PZ633	622 X 197	598 X 173	61	HOR63
58575	PZ643	397 X 197	373 X 173	61	HOR64
58576	PZ653	399 X 190	375 X 166	54	HOR65
58577	PZ663	399 X 234	375 X 210	54	HOR66
58578	PZ673	451 X 274	427 X 250	54	HOR67

Type PW (AIII)

Porthole				
Part No	Vetus	External dimensions A (mm) Ø	Cut-out dimensions B (mm) Ø	Type mosquito screen
58579	PW203	198	174	HOR2013
58580	PW213	220	196	HOR2113
58581	PW223	260	236	HOR2213

PW

Type PX (AIII)

Porthole				
Part No	Vetus	External dimensions A (mm) Ø	Cut-out dimensions B (mm) Ø	Type mosquito screen
58582	PX45	441 X 179	417 X 155	HOR45
58583	PX46	492 X 196	468 X 172	HOR46
58584	PX47	544 X 217	520 X 193	HOR47
58585	PXF	480 X 239	456 X 215	HORPXF
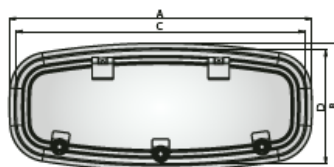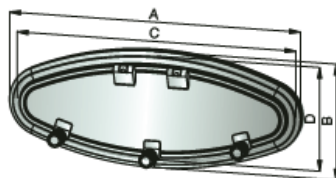
PX

PXF
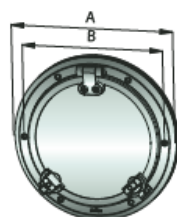
Porthole - PWS = Stainless steel portholes (AI and AIII)				
Part No	Vetus	External dimensions A (mm) Ø	Cut-out dimensions B (mm) Ø	Type mosquito screen
58586	PWS31A2	220	198	HOR31S
58587	PWS31A1	220	198	HOR31S
58588	PWS32A1	260	238	HOR32S

Type PMS

PMS
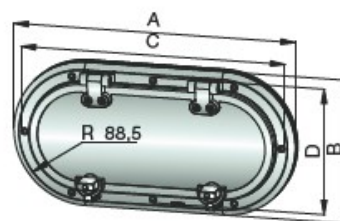
Porthole				
Part No	Vetus	External dimensions A (mm) Ø	Cut-out dimensions B (mm) Ø	Type mosquito screen
58590	PMS23A2	346 X 199	322 X 177	HOR23S
58591	PMS23A1	346 X 199	322 X 177	HOR23S
58592	PMS24A2	390 X 199	366 X 177	HOR24S
58593	PMS24A1	390 X 199	366 X 177	HOR24S

Recommended screw size for VETUS portholes

Screws available for PWS and PMS portholes in packs of 50.
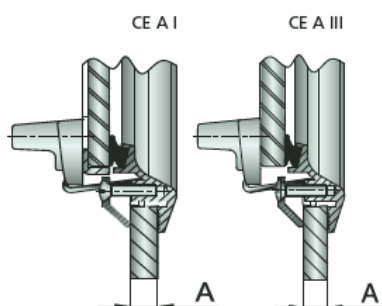
Porthole			
Part No	Vetus	Panel Thickness	Screw
58594	SET0092	3 - 5MM	M5 X 12
58595	SET0093	5 - 9MM	M5 X 16
58596	SET0094	9 -14MM	M5 X 20
58597	SET0095	14 - 18MM	M5 X 25

Portholes type PQ

CE marking AII

VETUS PQ portholes are made of stainless steel and include a counter flange.

They have an 8 mm thick acrylic 'smoke' coloured pane and come with a mosquito screen.

PQ

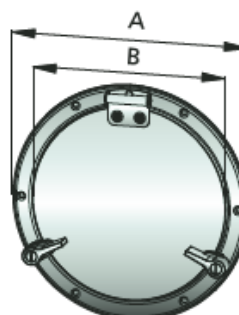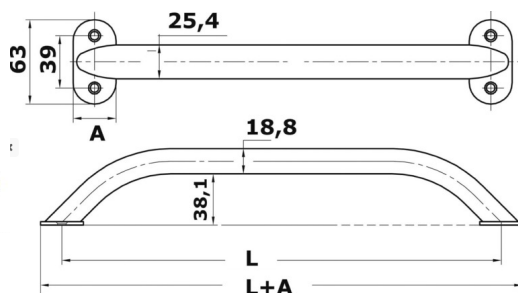| Porthole				
Part No	Vetus	External dimensions A (mm) Ø	Cut-out dimensions B (mm) Ø	Type mosquito screen
58598	PQ51	158	126	HORPQ51
58599	PQ52	184	151	HORPQ52
58600	PQ53	210	176	HORPQ53

Stainless Steel Handrails

Part No	Tube Diameter	Length
23037	1" (25mm)	12" (305mm)
23038	1" (25mm)	24" (610mm)

Made of **mirror-polished AISI 316 stainless steel**. 19x25-mm section, **screw external mounting**.

Adapter plate.

Grab Handles

Polished Stainless Steel
25mm diameter, Grab Rails for under deck fastening with an M6 stud or bolt. Stainless Steel Adaptor Plates can be purchased to convert these Grab Rails to above deck fastening (2 needed per rail).

Part No	Description
76096	SS Grab Rail Adaptor Plate
76102	9" SS Grab Rail
76098	12" SS Grab Rail
76100	18" SS Grab Rail

Grab Handle

Bolted underneath via fixing plates.

Made of mirror-polished AISI316 stainless steel, elliptical section.

Part No	Description
96462	Handrail SS 610mm
96461	Handrail Fixing Kit (2 plates + 2 screws)

Rail Mounts

Wire Rail Mount Life Buoy Holder

Rail Mount Ring Buoy Holder Kit with Stainless Steel wireform holder with nylon strap. This Rail Mount accessory is designed for easy attachment to tube 22mm - 25mm dia, without having to drill holes in your boat.

Part No	Description
76068	Wire Rail Mount Life Buoy Holder
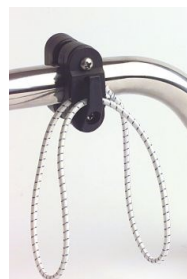
Rail Mount Nylon Rope Hook Kit

This Rail Mount Rope Hook Kit is very useful for keeping ropes/hooks/life jackets tidy and handy.
This Rail Mount accessory is designed for easy attachment to tube 22mm - 25mm dia, without having to drill holes in your boat.

Part No	Description
76082	Rail Mount Nylon Rope Hook Kit
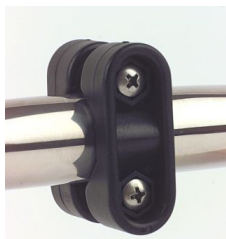
Rail Mount Bracket

Complete Rail Mount Bracket with SS Fixing Screws. This Rail Mount accessory is designed for easy attachment to tube 22mm - 25mm dia, without having to drill holes in your boat.

Part No	Description
76084	Rail Mount Bracket

Rail Mount Nylon Cleat

This Rail Mount accessory is designed for easy attachment to tube 22mm - 25mm dia, without having to drill holes in your boat. 114mm long, black nylon cleat set

Part No	Description
76086	Rail Mount Cleat

Rail Mount Nylon Fairlead

This Rail Mount accessory is designed for easy attachment to tube 22mm - 25mm dia, without having to drill holes in your boat.
Kit with 17mm Fairlead Eye

Part No	Description
76088	Rail Mount Nylon Fairlead

Flags & Flag Poles

Part No	Description
76374	Teak Flag Pole 600mm x 25mm
76376	Teak Flag Pole 750mm x 25mm

Stainless steel terminal ball, stainless steel ends and eyelets, suitable for flags.

Part No	Description
96413	Flagstaff SS 900 X 25mm
96557	Flagstaff SS 1020 X 25mm
96331	Flagstaff SS 1200 X 25mm

Red Ensign Flags
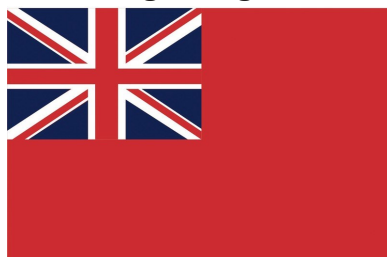
Made of polyester, indelible colours.

Part No	Description
96270	UK Red Ensign 30cm x 45cm
96271	UK Red Ensign 40cm x 60cm
96272	UK Red Ensign 50cm x 75cm

Drawn from DWH Osculati SpA

Flagstaff Base

Made of mirror polished AISI 316 stainless steel; clip-on base fitting.

Base mm	60x45
Depth mm	40

Part No	Description
96412	Flush Flagstaff Base

Stanchions

Tapered Stanchions
Heavy Duty 304 Tube
Cast 316 Stainless Steel Tops.

Part No	Description
76138	Stanchion 520mm
76150	Stanchion 620mm

Stanchion Base

Cast 316 Stainless Steel
To fit 25mm Diameter Stanchion.

Part No	Description
76348	Stanchion Base 90 Degree
76347	Stanchion Base 84 Degree

51mm

Stainless Steel (316) Stanchion Mounting Eyes

Part No	Description
23048	Clip for 1" Stanchion (25mm)
23049	Backing Plate for Clip

51m

Rowlock & Plate (Single)

Part No	Shaft Dia
20270	3/8" (10mm)
20280	1/2" (13mm)

Rowlock Plate (Single)

Part No	To fit shaft
20272	3/8" (10mm)
20285	1/2" (13mm)

Rowlock Brackets (Each)

Part No	To fit shaft
20278	3/8" (10mm)

Captive Rowlocks (Single)

Part No	Jaw Size
20271	2" (51mm)

RWO Rowlock (Single)

A strong lightweight corrosion free white Rowlock for rowing boats up to 3.5m (11ft). Also available in black, for use with both top mount(R5050) and side mount (R5040)

Part No	Colour
25000	White (R5030)
25010	Black (R5032)

RWO Rowlock Socket (Single)

Top mount white bracket for use with R5030 rowlock also available in black

Part No	Colour
25020	White (R5050)
25030	Black (R5052)

RWO Rowlock BSide mount white bracket for use with R5030 rowlock also available in black racket (Single)

Part No	Colour
25040	White (R5040)
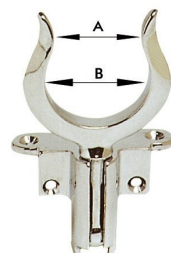
Foldable Chromed Brass Rowlock 12 x 50mm (Single)

Foldable captive rowlock, suitable for all types of boats, convenient, trouble-proof.

Part No
96120

Chromed Brass Rowlock Blind Socket (Single)

Includes blind socket, specially suited for plastic boats with interspace; the rowlock has a bayonet fitting; this product is a perfect alternative to most plastic rowlocks that break easily; the socket has a wide area for covering any pre-existing plastic socket holes.
Stem Ø mm 12
A mm 42
B mm 52

Part No
96121

Drawn from DWH Osculati SpA

Seagrade Lahna Oars - Made in Finland

A very high-class oar laminated from clean timber for demanding conditions such as sea. Beautifully-shaped handle and blade reinforced with a wedge. Finished with water-proof special varnish. The oar sleeve is already fitted on this oar. **(Sold Each)**

Part No	Length	Blade Width	Blade Length	Shaft Diameter Ø
90430	180cm 5ft 11"	112mm	540mm	44mm
90435	195cm 6ft 5"	112mm	540mm	44mm
90440	210cm 6ft 10"	112mm	580mm	44mm
90445	225cm 7ft 4"	112mm	580mm	44mm
90450	240cm 8ft	115mm	600mm	44mm
90460	270cm 9ft	115mm	600mm	44mm

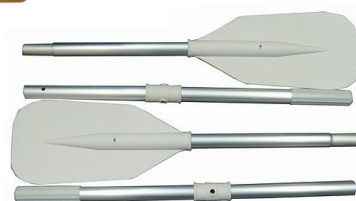### Gull 'Custom' Paddles (Sold Singly)

Light weight paddles with an excellent finish. Constructed from Tasman Fir with Beech palm grip.

Part No	Size
90400	3' 6" (1.07m)
90405	4' (1.22m)
90410	4' 6" (1.37m)
90415	5' (1.52m)

Aluminium 2 Part Oars

Sold complete as a pair.

Part No	Size
90498	1.64M Long Oars
90499	1.34M Short Oars

Ladders & Steps

Folding Mast Step SS 304

Stamped 304 Stainless Steel, Mast Step.
Length 108mm - Base Size 85mm x 60mm

| Part No	Description
76148	Folding Mast Step SS 304

Folding Step

Cast 316 Stainless Steel folding step, which only projects 24mm above the surface when folded.
Folding Step - base size - 111mm x 47mm

Part No	Description
76214	Folding Mast Step SS 316

3 Step Emergency Ladder + Holder

Watertight thermopolymer housing. Ladder with nylon braid structure and highly resistant thermopolymer steps. To be installed above the waterline. Very simple to use: in a man-overboard situation, the crew member in the water pulls the locking cap ring to let the ladder out of its housing. Sold in display package. Length 1100mm Width 135mm

Part No	Description
96467	3 Step Emergency Ladder + Housing
96469	3 Step Emergency Ladder + Housing (Screw Mounted)

Inflatable Stair Fenders

Part No	Description	Width	Diameter	Height
34376	Stair Fender White 2 Stairs	25CM	12CM	55CM
34379	Stair Fender Blue 2 Stairs	25CM	12CM	55CM
34377	Stair Fender White 3 Stairs	25CM	12CM	75CM
34378	Stair Fender Blue 3 Stairs	25CM	12CM	75CM
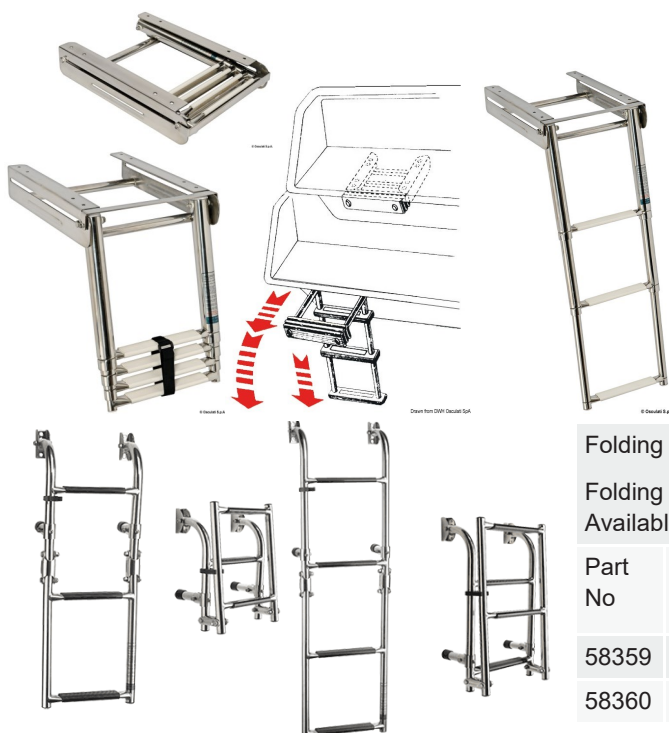
Telescopic Foldaway Ladder

Made of mirror polished stainless steel; oval steps with white plastic coating, fitted with fall safe front lock. Ladder folds away inside itself for maximum convenience. AISI 316.

Part No	Steps	Length mm - Open	Length mm - Closed	Max Width (mm)	Tube Ø
96468	3	880	373	300	19/25/32
96411	4	1155	405	300	19/25/32/38

Folding Ladders 316SS

Folding ladder, transom mounted. Stainless steel (AISI 316).
Available with 3 or 4 steps. With synthetic black grips.

Part No	Vetus	Steps	L (extended)	L (Retracted)	Width (c to c)	Tube Ø	Weight (Kg)
58359	SLF3	3	600	315	228	22	1.7
58360	SLF4	4	875	450	228	22	2

CABLES (OCEANFLEX® TINNED COPPER CABLES)

Single Core Tinned 1.0mm², 1.5mm², 2.5mm², 4mm², 6mm² & 10mm²

OCEANFLEX® TINNED COPPER SINGLE CORE CABLES

High temperature, thin wall, low voltage, wiring cables, suitable for use in automotive, marine, and other harsh environments. The tinned copper conductors make this cable more resistant to corrosion.

SPECIFICATIONS

- Cores manufactured to ISO 6722-1:2011 (class B) 105°C.

- Tinned Copper Conductors, PVC Insulated.

- Suitable for use at temperatures from -40ºC to 105ºC with excursions up to 120ºC.

- Twins and multicores PVC sheathed at 70ºC.

- Suitable for 12v and 24v systems (maximum 60v).

- Good resistance to petrol, diesel, lubricating oils and diluted acid.

- Very good resistance to moisture.

- PVC insulation saves weight and offers good resistance to abrasion and cut through.

- Cables are printed with the specification on the insulation.

Description	Red Tinned Part No	Black Tinned Part No	Conductor Cross Section (mm²)	Conductor Specification (mm)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)	Maximum Loading (Watts) 12 Volts	24 Volts	Resistance Per Metre at 20°C (Ohms)
1mm Single Core	70900	70906	1.0	32/0.20	2.1	16.5	198	396	0.0191
1.5mm Single Core	70901	70907	1.5	21/0.30	2.4	21.0	252	504	0.0130
2.5mm Single Core	70902	70908	2.5	35/0.30	3.0	29.0	348	696	0.00782
4mm Single Core	70903	70909	4.0	56/0.30	3.7	39.0	468	936	0.00485
6mm Single Core	70904	70910	6.0	84/0.30	4.3	50.0	600	1200	0.00323
10mm Single Core	70905	70911	10.0	80/0.40	6.0	70.0	840	1680	0.00185

Part No	Colour	Size mm²	Part No	Colour	Size mm²	Part No	Colour	Size mm²
70970	Blue	1.5	70981	Brown	2.5	70995	Green	6.0
70971	Yellow	1.5	70982	Blue	2.5	70996	Yellow	6.0
70972	Green	1.5	70983	Yellow	2.5	70998	Green	10.0
70973	Brown	1.5	70990	Green	4.0	70999	Yellow	10.0
70980	Green	2.5	70991	Brown	4.0			
			70992	Yellow	4.0			

CABLES (OCEANFLEX® TINNED COPPER CABLES)

OCEANFLEX® 2 CORE CABLES (ROUND & FLAT TWINS)

High temperature, thin wall, low voltage, wiring cables, suitable for use in automotive, marine, and other harsh environments. The tinned copper conductors make this cable more resistant to corrosion.

SPECIFICATIONS

- Cores manufactured to ISO 6722-1:2011 (class B) 105°C.
- Tinned Copper Conductors, PVC Insulated.
- Suitable for use at temperatures from -40ºC to 105ºC with excursions up to 120ºC.
- Twins and multicores PVC sheathed at 70ºC.
- Suitable for 12v and 24v systems (maximum 60v).
- Good resistance to petrol, diesel, lubricating oils and diluted acid.
- Very good resistance to moisture.
- PVC insulation saves weight and offers good resistance to abrasion and cut through.
- Cables are printed with the specification on the insulation.

Two Core Round Tinned 1.5mm² & 2.5mm²

Description	Part No	Conductor Specification (mm)	Conductor Cross Section (mm²)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)	Sheath Colour	Core Colours
2 Core Round 1.5mm	70930	2 x 21/0.30	2 x 1.5	6.4	21.0	Black	Black, Red
2 Core Round 2.5mm	70932	2 x 35/0.30	2 x 2.5	6.7	29.0	Black	

Two Core Flat Tinned 1.5mm² & 2.5mm²

Description	Part No	Conductor Specification (mm)	Conductor Cross Section (mm²)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)	Sheath Colour	Core Colours
2 Core Flat 1.5mm - White	70919	2 x 21/0.30	2 x 1.5	3.5 x 5.8	21.0	White	Black, Red
2 Core Flat 1.5mm - Black	70920	2 x 21/0.30	2 x 1.5	3.5 x 5.8	21.0	Black	
2 Core Flat 2.5mm - Black	70922	2 x 35/0.30	2 x 2.5	3.9 x 6.7	29.0	Black	

OCEANFLEX® 3, 5 & 7 CORE CABLES

High temperature, thin wall, low voltage, wiring cables, suitable for use in automotive, marine, and other harsh environments. The tinned copper conductors make this cable more resistant to corrosion.

SPECIFICATIONS

- Cores manufactured to ISO 6722-1:2011 (class B) 105°C.
- Tinned Copper Conductors, PVC Insulated.
- Suitable for use at temperatures from -40ºC to 105ºC with excursions up to 120ºC.
- Twins and multicores PVC sheathed at 70ºC.
- Suitable for 12v and 24v systems (maximum 60v).
- Good resistance to petrol, diesel, lubricating oils and diluted acid.
- Very good resistance to moisture.
- PVC insulation saves weight and offers good resistance to abrasion and cut through.
- Cables are printed with the specification on the insulation.

Three Core Round Tinned 1.5mm² & 2.5mm²

Description	Part No	Conductor Specification (mm)	Conductor Cross Section (mm²)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)	Sheath Colour	Core Colours
3 Core 1.5mm - White	70959	3 x 21/0.30	3 x 1.5	6.1	21.0	White	Black, Green, Red
3 Core 1.5mm - Black	70960	3 x 21/0.30	3 x 1.5	6.1	21.0	Black	
3 Core 2.5mm - Black	70961	3 x 35/0.30	3 x 2.5	7.4	29.0	Black	

Five Core Round Tinned 1.5mm²

Description	Part No	Conductor Specification (mm)	Conductor Cross Section (mm²)	Maximum Overall Diameter	Sheath Colour	Core Colours
5 Core 1.5mm	70963	5 x 21/0.30	5 x 1.5	8	Black	Black, Green, Red,

Seven Core Round Tinned 1.5mm²

Description	Part No	Conductor Specification	Conductor Cross Section	Maximum Overall Diameter (mm)	Sheath Colour	Core Colours
7 Core 1.5mm	70965	7 x 21/0.30	7 x 1.5	8.5	Black	Black, Green, Red, White, Yellow, Brown, Blue

Arctic Blue Cable

Flexible annealed copper conductor. PVC insulated. PVC sheathed flexible cords. Sold by the metre. Maximum length 100m.

Description	Part No	Conductor Cross Section (mm²)	Maximum Overall Diameter (mm)	Voltage Rating	Sheath Colour	Core Colours
Arctic Cable 3 Core 1.5mm	72168	1.5mm²	9.2mm	300V 500V	Blue	Blue, Brown, and Green/ Yellow
Arctic Cable 3 Core 2.5mm	72170	2.5mm²	9.2mm	300V 500V	Blue	
Arctic Cable 3 Core 4mm	72171	4mm²	9.2mm	300V 500V	Blue	

OCEANFLEX® PVC BATTERY / EXTRA FLEXIBLE CABLES

Single insulated extra flexible battery cables designed for use in tough working environments.
SPECIFICATIONS

- Cores manufactured to ISO 6722-1:2011 (class B) 105°C.

- Tinned Copper Conductors, PVC Insulated.

- Suitable for use at temperatures from -40ºC to 105ºC with excursions up to 120ºC.

- Twins and multicores PVC sheathed at 70ºC.

- Suitable for 12v and 24v systems (maximum 60v).

- Good resistance to petrol, diesel, lubricating oils and diluted acid.

- Very good resistance to moisture.

- PVC insulation saves weight and offers good resistance to abrasion and cut through.

Flexible Tinned Battery Cables 16mm², 25mm², 35mm², 50mm², 70mm² & 95mm²

| Description	Red Part No	Black Part No	Conductor Specification (mm)	Conductor Cross Section (mm²)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)	Resistence Per Metre at 20°C(Ohms)
16mm Battery Cable	70940	70946	203/0.30	16	8.3	110.0	0.001240
25mm Battery Cable	70941	70947	322/0.30	25	10.1	170.0	0.000794
35mm Battery Cable	70942	70948	455/0.30	35	11.8	240.0	0.000565
50mm Battery Cable	70943	70949	637/0.30	50	13.3	345.0	0.000393
70mm Battery Cable	70944	70950	912/0.30	70	15.5	485.0	0.000277
95mm Battery Cable	70945	70951	684/0.40	95	17.9	500.0	0.000210

Copper Tube Terminals (Lugs)

Suitable for crimping or soldering. Material – tinned copper.

Suitable for Cables	6mm Ring Part No	8mm Ring Part No	10mm Ring Part No	12mm Ring Part No	Suitable For Cables (mm²)
6mm²	70890	70880	N/A	-	6mm²
10mm²	70891	70952	70881	70896	10mm²
16mm²	70892	70953	70882	70897	16mm²
25mm²	70893	70954	70883	70898	25mm²
35mm²	70894	70955	70884	70899	35mm²
50mm²	70895	70956	70885	70888	40-50mm²
70mm²	N/A	70957	70886	70889	60-70mm²
95mm²	N/A	70958	70887	-	95mm²

Butt Splices
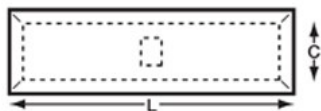
Description	Cable Entry C (mm)	Length L (mm)	Part No
6mm Cable Butt Splice	4.0	20	70790
10mm Cable Butt Splice	4.5	23	70791
16mm Cable Butt Splice	5.5	30	70792
25mm Cable Butt Splice	6.7	35	70793
35mm Cable Butt Splice	8.6	40	70794
40-50mm Cable Butt Splice	9.5	40	70795
60-70mm Cable Butt Splice	12	45	70796

2 Way 0.2-4mm² Compact Splicing Connector
Includes an operating lever. Maximum continuous service temperature: 85°C . Nominal voltage 450v. Nominal current 32 A.

Part No	Description
72160	2-Way 0.2-4mm² Compact Splicing Connector 13.1 x 8.3 x 18.6mm

3 Way 0.2-4mm² Compact Splicing Connector
Includes an operating lever. Maximum continuous service temperature: 85°C. Nominal voltage 450v. Nominal current 32 A.

Part No	Description
72161	3-Way 0.2-4mm² Compact Splicing Connector 18.7 x 8.3 x 18.6mm

Easier, faster, safer: These three attributes characterize WAGO's 221 Series Splicing Connectors. WAGO's 221 Series now offers a model for conductors up to 6 mm2 (10 AWG)

Part No	Description
72162	2 Way 41amp Compact 2 Port Lever Connector for 6mm² wire

Easier, faster, safer: These three attributes characterize WAGO's 221 Series Splicing Connectors. WAGO's 221 Series now offers a model for conductors up to 6 mm2 (10 AWG)

Part No	Description
72163	3 Way 41amp Compact 2 Port Lever Connector for 6mm² wire

A compact splicing connector with cage clamp connection.
5-conductor terminal block. Comes with operating lever. Maximum continuous service temperature 85°C. Nominal current 32 A.

Part No	Description
72164	5-Way 32amp Compact 2 Port Lever Connector 0.08-4mm²

HEAT SHRINK PRE-INSULATED TERMINALS (EASY ENTRY)

Heat shrink pre-insulated terminals provide a long lasting environmental seal.

Pack sizes: 10 or 100.

4.3mm Ring Terminal

5.3mm Ring Terminal

6.4mm Ring Terminal

Butt Connector

6.3mm Female Spade

6.3mm Male Spade

4.0mm Male Bullet

5.0mm Male Bullet

4.0mm Female Bullet

5.0mm Female Bullet

RED TERMINALS

Suitable for cables
0.5mm² - 1.5mm²
16/0.20mm - 21/0.30mm

Description	Pack of 10 Part No	Pack of 100 Part No
Red 4.3mm Ring Terminal	70805	70806
Red 5.3mm Ring Terminal	70807	70808
Red 6.4mm Ring Terminal	70809	70810
Red Butt Connector	70811	70812
Red 6.3mm Female Spade	69500	69501
Red 6.3mm Male Spade	69506	69507
Red 4.0mm Male Bullet	69512	69513
Red 4.0mm Female Bullet	69518	69519

BLUE TERMINALS

Suitable for cables
1.5mm² - 2.5mm²
21/0.30mm - 35/0.30mm

Description	Pack Of 10 Part No	Pack Of 100 Part No
Blue 4.3mm Ring Terminal	70813	70814
Blue 5.3mm Ring Terminal	70815	70816
Blue 6.4mm Ring Terminal	70817	70818
Blue Butt Connector	70819	70820
Blue 6.3mm Female Spade	69502	69503
Blue 6.3mm Male Spade	69508	69509
Blue 5.0mm Male Bullet	69514	69515
Blue 5.0mm Female Bullet	69520	69521

Electrical

HEAT SHRINK PRE-INSULATED TERMINALS (EASY ENTRY)

Heat shrink pre-insulated terminals provide a long lasting environmental seal.

Pack sizes: 10 or 100.

5.3mm Ring Terminal

6.4mm Ring Terminal

8.4mm Ring Terminal

Butt Connector

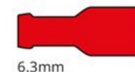6.3mm Female Spade

6.3mm Male Spade
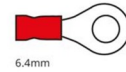
5.0mm Male Bullet

5.0mm Female Bullet

70600 (6.3mm)   **70624** (6.4mm)

70606 (6.3mm)   **70637** (10.0mm)

70620 (6.3mm)

Red Terminals

Suitable for Cables 0.5mm² - 1.5mm²
16/0.20mm - 21/0.30mm

Description	Part No
Red 6.4mm Female Covered Terminal	70600
Red 6.4mm Ring Terminal	70624
Red 10mm Ring Terminal	70637
Red 6.3mm Piggy Back Terminal	70620
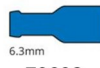
70602 (6.3mm)   **70630** (6.4mm)
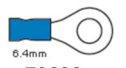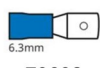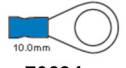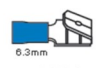
70608 (6.3mm)   **70634** (10.0mm)

70621 (6.3mm)

Blue Terminals

Suitable for Cables 1.5mm² - 2.5mm²
21/0.30mm - 35/0.30mm

Description	Part No
Blue 6.4mm Female Covered Terminal	70602
Blue 6.4mm Male Spade Terminal	70608
Blue 6.4mm Ring Terminal	70630
Blue 10mm Ring Terminal	70634
Blue 6.3mm Piggy Back Terminal	70621

70604 (6.3mm)   **70632** (6.4mm)

70610 (6.3mm)   **70636** (10.0mm)

70622 (6.3mm)   **70635** (13.0mm)
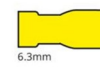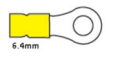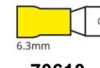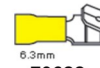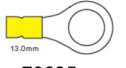
Yellow Terminals

Suitable for Cables 4.0mm² - 6.0mm²
56/0.30mm - 84/0.30mm

Description	Part No
Yellow 6.4mm Female Covered Terminal	70604
Yellow 6.4mm Ring Terminal	70632
Yellow 10mm Ring Terminal	70636
Yellow 13mm Ring Terminal	70635
Yellow 6.3mm Piggy Back Terminal	70622

YELLOW TERMINALS

Suitable for cables
3.0mm² - 6.0mm²
44/0.30mm - 84/0.30mm

| Description	Pack Of 10 Part No	Pack Of 100 Part No
Yellow 5.3mm Ring Terminal	70821	70822
Yellow 6.3mm Ring Terminal	70823	70824
Yellow 8.4mm Ring Terminal	70825	70826
Yellow Butt Connector	70827	70828
Yellow 6.3mm Female Spade	69504	69505
Yellow 6.3mm Male Spade	69510	69511
Yellow 5.0mm Male Bullet	69516	69517
Yellow 5.0mm Female Bullet	69522	69523

Commoning Posts

Power distribution posts for distributing power around a vehicle or boat.

Material - glass fibre reinforced nylon base, stainless steel stud, nickel plated brass nut

Part No	Rating (Amps)	Polarity	Base Colour	Stud Size (mm)
70870	150	- VE	Red	8
70871	150	+ VE	Black	8

Crocodile Clips

Part No	Description	Continuous Rating	Length (mm)
70797	75mm Crocodile Clip	25	75

VTE 8 Point Power Distribution Posts

Used to connect several wires/cables to a central location. These devices can be used to deliver power to a control panel, feed multiple low-current devices, or when grounding wires/cables.

Material: Glass-filled nylon base, stainless steel post, nickel-plated copper alloy conductive disc and tin-plated copper alloy conductive nuts.

Part No	Description	Stud Size	Max Rating (Amps) @12V	Polarity	Colour
70865	Red 8 Point Power Post	3/8" (9.5mm)	160	+ VE	Red
70866	Black 8 Point Power Post	3/8" (9.5mm)	160	- VE	Black
70867	Power Post Insulating Polypropylene Disc				

Waterproof Plugs & Sockets

Waterproof In-Line Socket

2 pin Technical:
Poles   2
Max A   10
Cable section mm2   0,25-1,5
Cable Ø mm   1x(3-8) / 2x(1,9-2,5)
external mm   Ø14 x 90

2/3/4pin Technical:
Poles   2/3/4
Max A   17,5
Cable section mm2   0,5 - 4
Cable Ø mm   3x(2-4) / 4x(2-4)
external mm   Ø 23 x 113

Part No	Description
70681	2 pin IP68 Waterproof In Line Connector
70682	2/3/4 pin IP68 Waterproof In Line Connector

Bulgin Waterproof Connectors

A range of quality plugs and sockets, manufactured in glass filled nylon to military specification and waterproofed to IP68 thus ensuring trouble-free cable connections on deck. Blanking cap supplied which doubles an assembly tool. Suitable for AC/DC. Cable Diameter 5-9mm.

Cable Mounted Plug   Bulkhead Mount Socket   Flange Mount Socket   Cable Mount In-line Socket

Part No	Description	No of Pins	Rating	Terminations
71754	Cable mount plug	2	10A/250V AC/DC	Screw
71755	Cable mount plug	3	10A/250V AC/DC	Screw
71780	Cable mount plug	6	3A/250V AC/DC	Screw
71762	Flange mount socket	2	10A/250V AC/DC	Screw
71763	Flange mount socket	3	10A/250V AC/DC	Screw
71781	Flange mount socket	6	3A/250V AC/DC	Screw
71778	Bulkhead mount socket	2	10A/250V AC/DC	Screw
71779	Bulkhead mount socket	3	10A/250V AC/DC	Screw
71784	Bulkhead mount socket	6	3A/250V AC/DC	Screw
71785	Mini Bulgin Plug & Cap	2		
71786	Mini Bulgin Inline Socket & Cap	2		
71981	Inline cable mount socket	2	10A/250V AC/DC	Screw
71980	Inline cable mount socket	3	10A/250V AC/DC	Screw
71986	7 Pin plug	7	3A/250V AC/DC	Screw

Chrome Plated Traditional Plug & Sockets

Manufactured in high quality chrome plated brass with solid non-reversible pins and sprung sockets. Complete with captive screw-on cap and rubber mounting gasket.

Rating	2 Pin	3 Pin
2/3 Amp	70700	70701
5/7 Amp	70702	70703
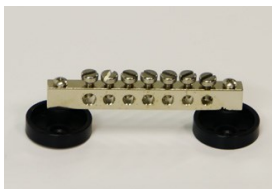
F-2241 6 Way Screw Terminal
1 x 5mm hole + 6 x 4mm holes. Current rating: 100A

Length: 75mm

Height: 20mm

Part No: 71633

F-2242 12 Way Screw Terminal
1 x 5mm hole + 12 x 4mm holes. Current rating: 100A

Length: 116mm

Height: 20mm

Part No: 71634

F-2243 6 Way For Crimp / Solder Terminals

For cables terminating in crimp/solder ring terminals. c/w 4mm retaining screws, 6 x 4.3mm ring terminals (cable entry: 1.5-3mm.), and 1 x 6.4mm ring terminal (cable entry: 3-6mm.)
Current Rating: 100amps.

Length: 95mm

Width: 17mm

Part No: 71635

Busbars

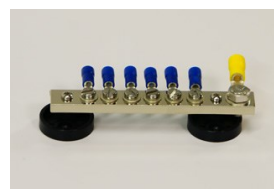| Part No	Description	No. of Studs	Rating (Amps)	Overall Dimensions H x W x D (mm)
69650	4 way 100amp Stud Busbar	4 x 5mm	100	36 x 104 x 23
69651	4 way 150amp Stud Busbar	4 x 6mm	150	36 x 150 x 30
69652	4 way 250amp Stud Busbar	4 x 8mm	250	42 x 200 x 38
69653	6 way 150amp Stud Busbar	6 x 6mm	150	36 x 230 x 32

Busbars, available in a variety of amp ratings.

Material - tin plated copper bar, stainless steel studs and screws.

Part No	Description	No. of Studs	No. of Screws	Rating (Amps)	Overall Dimensions H x W x D (mm)
69654	5 way 100amp Busbar	2 x 4mm	5 x 4mm	100	36 x 104 x 23
69655	10 way 150amp Busbar	2 x 6mm	10 x 4mm	150	36 x 150 x 30
69656	12 way 250amp Busbar	2 x 8mm	12 x 4mm	250	42 x 200 x 38
69657	20 way 150amp Busbar	2 x 8mm	20 x 4mm	150	36 x 230 x 32

Part No	Description	Overall Dimensions H x W x D (mm)
69658	Busbar Cover Fits 69650 + 69654	38 x 143 x 54
69659	Busbar Cover Fits 69651 + 69655	40 x 190 x 64
69660	Busbar Cover Fits 69652 + 69656	45 x 235 x 70
69661	Busbar Cover Fits 69653 + 69657	40 x 270 x 64

Choc Blocks

Part No	Description	Current Rating (Amps)	To Fit Cables (mm²)
70697	2.5mm Flexible Cable Connector Strip	3	Up To 2.5
70698	4mm Flexible Cable Connector Strip	5	Up To 4.0
70699	10mm Flexible Cable Connector Strip	15	Up To 10.0

Cable Sleeving Flexible Ducting Conduit

Available in 25m, 30m & 100m rolls

Halogen-free nylon convoluted sleeving suitable for bundling of wires and protection against abrasion. Continuous operating temperature - 40 degrees to 105 degrees with short excursions up to 150 degrees Celsius. Self extinguishing. Resistant to petrol, oil and water. Flammability to UL94.

Description	Internal Diameter (mm)	External Diameter (mm)	Part No Roll of 25M	Part No Roll of 100M
6.6mm Black Cable Conduit	6.6mm	10.20mm	70550	70551
10.0mm Black Cable Conduit	10.00mm	13.25mm	-	70556
11.0mm Black Cable Conduit	11.0mm	16.10mm	70552	70553
14.2mm Black Cable Conduit	14.2mm	18.5mm	-	70557
16.9mm Black Cable Conduit	16.1mm	21.35	-	70558
20.1mm Black Cable Conduit	20.1mm	24.50mm	70554	70555
32mm Black Cable Conduit	32mm		70545 - 30M	-
51mm Black Cable Conduit	51mm		70559 - 30M	-

HEAT SHRINK SLEEVING

Halogen-free flexible polyolefin heat shrink sleeving. Suitable for a wide range of applications which include marking, colour coding, insulating, bundling of wires and protection against abrasion. Continuous operating temperature -55ºC to 125ºC. Flame retardant to UL224. Shrink temperature 100ºC. Shrink ratio 2 to 1. Supplied in a variety of sizes, lengths and colours.

Part No	Internal Diameter Before Heating (mm)	Internal Diameter After Heating (mm)	Wall Thickness After Heating (mm)	Colour	Lengths Available (Metres)
70850	2.4	1.2	0.5	Black	5
70851	3.2	1.6	0.5	Black	5
70852	3.2	1.6	0.5	Red	5
70853	4.8	2.4	0.5	Black	5
70854	4.8	2.4	0.5	Red	5
70855	6.4	3.2	0.65	Black	5
70856	6.4	3.2	0.65	Red	5
70857	9.5	4.8	0.65	Black	5
70858	9.5	4.8	0.65	Red	5
70859	12.7	6.4	0.75	Black	5
70860	12.7	6.4	0.75	Red	5
70861	19.1	9.5	0.75	Black	5
70862	19.1	9.5	0.75	Red	5
70863	25.4	12.7	0.9	Black	5
70864	38.1	19.0	1.0	Black	5

Part No	Description
70651	Heat Shrink Black 6.4mm X 150mm (15 Pack)
70652	Heat Shrink Red 6.4mm X 150mm (15 Pack)
70653	Heat Shrink Black 12.7mm X 150mm (10 Pack)
70654	Heat Shrink Red 12.7mm X 150mm (10 Pack)
70655	Heat Shrink Black 19.1mm X 150mm (7 Pack)
70656	Heat Shrink Red 19.1mm X 150mm (7 Pack)

Blue Sea 7601 M-Series Automatic Charging Relay 12/24V DC 65A.

12V / 24V DC / 65A Continuous 115A Intermittent.

Part No
69908

Blue Sea 7610 Automatic Charging Relay 12/24V DC 120A.

Automatically combines batteries during charging, isolates batteries when discharging and when starting engines Features Protects sensitive electronics by temporary isolation of house loads from engine circuit during engine cranking Designed for 12 or 24 volt systems 12/24 volt auto ranging voltage input Hermetically sealed contacts/vaporproof Ignition protected—safe for installation aboard gasoline powered boats Supports high-output alternators up to 120 Amperes Dual sensing

Part No
69909

Voltage Sensitive Relay 125amp (VSR)

Nominal Voltage | DC 12V. Combine / Open Voltage | DC 13.3V / 12.8V. Continuous Current Rating | 125A. Intermittent Current Rating | 140A. Power Consumption | 10mA (Standby) / 330mA (Engage) / 0mA (Storage Mode).IP67 / ISO8846 (SAE J1171) Ignition Protected.

Part No
69910

Shore Power

Wall mounting, 105 x 105 mm. Built-in sizes: D 83 x H 90 x W 83 mm

Part No	Description
70763	Outdoor Plug Male - 230V (Shore Power)
70764	Outdoor Plug Female - 230V (Shore Power)
70766	Wall Mounting Socket White (shore power)

32A Socket

32A Plug

Shore Power

Part No	Description
71984	Shore Power 32A Socket
71985	Shore Power 32A Plug

30 Amp Shore power plug or socket. Max 30Amp.

Part No	Description
96056	30 Amp Plug & Cap 220V
96055	30 Amp 220V Socket AISI 316

ROKK 2 USB Charger
Charge up to 2 devices at a time. Easy install. Click & lock lid. Output current 4.2A (total). Up to 3x faster than standard USB sockets. Waterproof with 1, 2 and even no cables plugged in. Anti-corrosion coating on circuit board. UV resistant. 316 stainless hinge and spring. Ultra low profile: only 29mm high, 94mm long.

Part No	Description
72213	ROKK USB Charger

Cigarette Lighter Style Socket

100% water resistant, either with protection cap closed or with lockable plug, equipped with a special watertight collar and a "lock-in" system that locks the plug by turning; designed for plug mounting with back screw nuts or two screw boards; suitable for lighters and cellular phones.

Part No	Description
70762	12V DC Socket

Dual USB Charger Socket

Input 12-24v DC
Output 5v/2.1A DC
Easy Install
Corrosion Resistant materials with protective cap
Overheat Protected
FCC and CE

Part No	Description
76094	Dual USB Charger Socket

USB 12V Adaptor

Input 12-24V. Output 5V
Max Load 2,1A
Overload Protection on 6,8V

Part No	Description
70760	Single
70761	Double

8/32V digital voltmeter. 0/10A digital ammeter.

Part No	Description
76092	Digital Voltmeter + Ammeter

Made of nylon and fit with protection cap to make them waterproof. 12/24V input, 5V USB output.

Part No	Description
76089	Lighter Socket + Double USB Charger 12/24V

8/32V digital voltmeter + Lighter Socket.

Part No	Description
76090	Lighter Socket and Voltmeter

8/32V digital voltmeter. Dual USB plug. 2.4 + 2.4A.
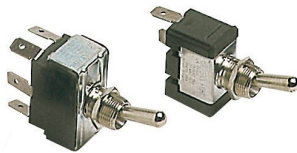
Part No	Description
76091	Digital Voltmeter & Dual USB Port 4.8A

Weatherproof Switch

15A single pole.
2 Terminals. Panel aperture: 12mm. Flexible splash proof rubber cover.

Part No
70674

Carling Toggle Switches

High tension thermosetting body, silver plated contacts, nickel plated brass lever and sleeve. Capacity of 15 Amp; very sturdy and functional model; "Faston" terminals, pin size 12x10 mm; can be connected to 2 separate circuits.

Part No	Description
70678	2 Position
70679	3 Position

Voltmeter + Dual USB Socket

3/30V. 54 x 100mm

Part No	Description
76018	3/30V Voltmeter + Dual USB socket

Stainless Steel Switch 24V

CNC-machined AISI316 stainless steel case. Amperage: 20A at 12V. IP67 watertight (temporary submersion). LED light crown. Life: 20,000 cycles. A scheme wiring: LED light crown always on. B scheme wiring: LED light crown switched when in ON position.

Part No	Description
96475	On/Off Switch White 24V
96476	On/Off Switch Red 24V

Momentary Push Button Switch

Marine plastic with rubber button and silver contacts. For 9mm plate.
12V - 5A

Part No
70680

Waterproof Rocker Switch

Mounted switch 12V, waterproof IP65. On/off.

Part No	Description
70765	Rocker Switch On/Off

On/Off Switch

Plastic switch for plate thickness 11mm.
12V - 10A

Part No
70676

Various Rocker Switches

When the on or off is in brackets it indicates that it is a spring loaded momentary switch.

Sealed Rocker Switch

IP67: Waterproof
Non Illuminated
12V 24V
Comes with actuator.

Part No	Description
70511	Rocker Switch (on)-off
70512	Rocker Switch (on)-off-(on)

Sealed Single Rocker Switch

IP67: Waterproof
Illuminated
12V 24V
Comes with actuator.

Part No	Description
70513	Rocker Switch on-off
70514	Rocker Switch (on)-off

Sealed Double Rocker Switch

IP67: Waterproof
Illuminated
12V 24V
Comes with actuator.

Part No	Description
70515	Rocker Switch on-off-on
70516	Rocker Switch (on)-off-on

Sealed Single Square Rocker Switch

IP67: Waterproof
Illuminated
12V 24V
Comes with actuator.

Part No	Description
70518	Rocker Switch (on)-off

Actuator Removal Tool

Part No
70521

Label Stickers For Rocker Switches

Part No
70522

Part No	Description
69906	Carling Switch Contura II Single Pole Off - On Red LED 12/24V

Switch Panels

BLUE SEA SYSTEMS

Blue Sea 6 Way Waterproof Switch Panel

Maximum Amperage 15A @ 12V DC (per circuit).

Panel Cumulative Rating 90A.

Height: 152.4mm x Width 98.55 mm x Depth 63.5 mm

IP67 – protected against immersion up to 1 metre for 30 minutes

Part No	Description
69900	6 Position IP67 Waterproof Panel

Waterproof Switch Panel

Black Injection Moulded Waterproof Switch Panel. IP65 with LED indication.

6 Way, Pre-wired, max 15amps

108mm x 95mm

Part No	Description
76006	Waterproof 6 Way Switch Panel

Wave 4 Way Electric Switch Panel

110 x 100mm

Fuses included 4Ax1 + 6Ax1 + 8Ax1 + 10Ax1.

Made of black plastic, equipped with toggle switches and resettable thermal automatic fuses. Equipped with sticking labels to identify the different uses.

Part No	Description
76015	4 Way Panel

Wave 6 Way Electric Switch Panel

160 x 100mm

Fuses included 5Ax2 + 6Ax2 + 8Ax1 + 10Ax1.

Made of black plastic, equipped with toggle switches and resettable thermal automatic fuses. Equipped with sticking labels to identify the different uses.

Part No	Description
76016	6 Way Panel

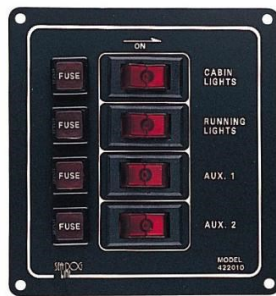### Wave 8 Way Electric Switch Panel

210 x 100mm

Fuses included 4Ax1 + 5Ax2 + 6Ax2 + 8Ax2 + 10Ax1

Made of black plastic, equipped with toggle switches and resettable thermal automatic fuses. Equipped with sticking labels to identify the different uses.

Part No	Description
76017	8 Way Panel

Electrical

Aluminium Vertical Rocker Switch Panel

Aluminum Vertical Rocker Switch Panel features four 15A 12 VDC illuminated SPST On/Off rocker switches and four 10A 12 VDC fuse holders. Individual circuit 10A max. 37A total. Includes a sheet of 20 preprinted decals to customize to your specific applications. Constructed of stamped anodized aluminium.

Part No	Description
76004	Alu Switch Panel Vertical 4 Gang (127mm x 114mm)

Aluminium Vertical Rocker Switch Panel

Aluminium Vertical Rocker Switch Panel features six 15A 12 VDC illuminated SPST On/Off rocker switches and six 10A 12 VDC fuse holders. Individual circuit 10A max. 37A total. Includes a sheet of 20 preprinted decals to customize to your specific applications. Constructed of stamped anodized aluminium.

Part No	Description
76000	Alu Switch Panel Vertical 6 Gang (165mm x 114mm)

Aluminium Horizontal Rocker Switch Panel

Aluminium Horizontal Rocker Switch Panel features six 15A 12 VDC illuminated SPST On/Off rocker switches and six 10A 12 VDC fuse holders. Individual circuit 10A max. 37A total. Includes a sheet of 20 preprinted decals to customize to your specific applications. Constructed of stamped anodized aluminium.
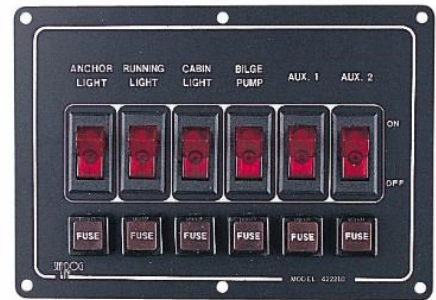
Part No	Description
76002	Alu Switch Panel Horizontal 6 Gang (114 x 165mm)

Nylon Vertical 6 Gang Rocker Switch Panel

The Vertical 6-Gang Rocker Switch Panel features six 15A 12 VDC illuminated SPST On/Off rocker switches and six fuse holders for use with standard AGC 1/4" x 1-1/4" glass style fuses. Individual circuit 10A max. 37A total. These fire resistant panels are suitable for use in engine room compartments. Includes a sheet of 20 preprinted decals to customize to your specific application. Constructed of injection molded nylon. CE compliant. 12 VDC.

Part No	Description
76008	Moulded Switch Panel Vertical 6 Way 165mm x 114mm

Nylon Horizontal 6 Gang Rocker Switch Panel

The Horizontal 6-Gang Rocker Switch Panel features six 15A 12 VDC illuminated SPST On/Off rocker switches and six fuse holders for use with standard AGC 1/4" x 1-1/4" glass style fuses. Individual circuit 10A max. 37A total. These fire resistant panels are suitable for use in engine room compartments. Includes a sheet of 20 preprinted decals to customize to your specific application. Constructed of injection molded nylon. CE compliant. 12 VDC.

Part No	Description
76010	Moulded Switch Panel Horizontal 6 Way 114mm x 165mm

Nylon Horizontal 4 Gang Rocker Switch Panel

The Vertical 4-Gang Rocker Switch Panel features four 15A 12 VDC illuminated SPST On/Off rocker switches and four fuse holders for use with standard AGC 1/4" x 1-1/4" glass style fuses. Individual circuit 10A max. 37A total. These fire resistant panels are suitable for use in engine room compartments. Includes a sheet of 20 preprinted decals to customize to your specific application. Constructed of injection molded nylon. CE compliant. 12 VDC.

Part No	Description
76012	Moulded Switch Panel Vertical 4 Way 127mm x 114mm

Switch Panel 12/24V

This panel is splash proof according to IP 64. It has 8 separate circuits, each provided with a switch, indicator LED and fuse holder and it is suitable for both 12 and 24 Volt D.C. circuits. The panel can be used with conventional automotive (ATO) fuses or with automatic fuses.

• Dimensions 99 x 161 mm

• Built-in depth 45 mm

Part No	Vetus
55946	P8FA

Switch Panel + Circuit Breakers

This panel features 6 on/off switches, 6 monitoring L.E.D.'s and a choice of either 6 automatic fuses, or 6 tubular glass fuses of 10 A.

Specifications:

Available for 12 or 24 Volt D.C. circuits.

Sixty self-adhesive name/symbol plates for different functions are supplied.

Dimensions 94 x 156 mm

Built-in depth 50 mm

Part No	Description	Vetus
55957	P6 12V	P6CB12
55958	P6 24V	P6CB24

Switch Panel Fuses

This panel features 6 on/off switches, 6 monitoring L.E.D.'s and a choice of either 6 automatic fuses, or 6 tubular glass fuses of 10 A.

Specifications:

Available for 12 or 24 Volt D.C. circuits.

Sixty self-adhesive name/symbol plates for different functions are supplied.

Dimensions 94 x 156 mm

Built-in depth 50 mm

Part No	Description	Vetus
55952	P6 12V	P6F12
55953	P6 24V	P6F24

Switch Panel + Circuit Breakers

This panel features 12 on/off switches, 12 monitoring L.E.D.'s and a choice of either 12 automatic fuses or 12 tubular glass fuses of 10 A.

Available for 12 or 24 Volt D.C. circuits. Sixty self-adhesive name/symbol plates for different functions are supplied.

VETUS switch panels are supplied pre-wired. The only work required is to connect the positive and negative feeds of the various services (lights, pumps etc.). These panels are made of synthetic and non-corrosive materials, but are not waterproof.

Specifications

• Dimensions 188 x 156 mm

• Built-in depth 50 mm

Part No	Description	Vetus
55959	P12 12V	P12CB12
55960	P12 24V	P12CB24

Switch Panel Fuses

This panel features 12 on/off switches, 12 monitoring L.E.D.'s and a choice of either 12 automatic fuses or 12 tubular glass fuses of 10 A.

Available for 12 or 24 Volt D.C. circuits. Sixty self-adhesive name/ symbol plates for different functions are supplied.

VETUS switch panels are supplied pre-wired. The only work required is to connect the positive and negative feeds of the various services (lights, pumps etc.). These panels are made of synthetic and non-corrosive materials, but are not waterproof.

Specifications

• Dimensions 188 x 156 mm

• Built-in depth 50 mm

Part No	Description	Vetus
55954	P12 12V	P12F12
55955	P12 24V	P12F24

Switchable Surface Mount Circuit Breakers

Part No	Rating (Amps)	Stud Size
69630	50	1/4"
69631	60	1/4"
69632	80	1/4"
69633	100	1/4"
69634	150	1/4"
69635	200	3/8"

Typically used in auxiliary and accessory circuits in trucks, buses, RV's and marine systems. Sealed for engine compartment and bilge area applications.
Protective stud insulators included.
Compliances: SAE J1171 (ignition protected), SAE J1625.
Ingress Protection: IP67.
Voltage: 48Vdc.
Interrupt Rating: 3000A @ 30Vdc.
Operating Temp: -32°C to 82°C.
Storage Temp: -34°C to 149°C.
Material: Black UL-rated 94V0 thermoset plastic.
Protective stud insulators included.

Switchable Panel Mount Circuit Breakers

Part No	Rating (Amps)	Stud Size
69636	50	1/4"
69637	80	1/4"
69638	100	1/4"

Typically used in auxiliary and accessory circuits in trucks, buses, RV's and marine systems. Sealed for engine compartment and bilge area applications.
(Gasket included)
Compliances: SAE J1171 (ignition protected), SAE J1625.
Ingress Protection: IP67.
Voltage: 48Vdc.
Interrupt Rating: 3000A @ 30Vdc.
Operating Temp: -32°C to 82°C.
Storage Temp: -34°C to 149°C.
Material: Black UL-rated 94V0 thermoset plastic .

ETA Circuit Breakers

This neat design combines a thermal circuit breaker and switch all in one unit. Push button on-off and breaker reset. The two colour button provides clear on / off indication. Single hole mounting.

Part No	Description
71790	2.5 Amp
71791	5 Amp
71792	10 Amp
71793	15 Amp

Carling Technologies®
Innovative Designs. Powerful Solutions.

Carling Circuit Breaker Switches

Compact size and well known for its proven reliability the A-series utilises the hydraulic magnetic principle which provides precise operation and performance even when exposed to extremely hot or cold application environments. A-series circuit breakers will trip on overload even when the actuator is manually held on the ON position.

Part No	Description
69903	Carling A Series Circuit Breaker 15amp
69904	Carling A Series Circuit Breaker 25amp
69905	Carling A Series Circuit Breaker 50amp

Vetus Watertight Foot Switch Black or White

New Maxwell Compact up and down Windlass Footswitch with Black cover. Designed for use with a solenoid on 12 or 24v systems. Grey activation button is reversible to denote direction and can be operated by hand with the cover in place, or by foot with the cover flipped open.

Part No	Description
55364	Foot Switch Black P104810
55361	Foot Switch White P104809

Blade Fuses

Rating	Part No	Rating	Part No
2 Amp (Grey)	70580	10 Amp (Red)	70585
3 Amp (Violet)	70581	15 Amp (Blue)	70586
4 Amp (Pink)	70582	20 Amp (Yellow)	70587
5 Amp (Tan)	70583	25 Amp (White)	70588
7.5 Amp (Brown)	70584	30 Amp (Green)	70589

Blade Fuse Holders

Individual fuse holders which accepts blade fuses. The built-in LED glows when the fuse has blown, also fitted with a lid to prevent water ingress.

Part No	Description
70575	20 Amp Blade Fuse Holder for 2mm²
70576	30 Amp Blade Fuse Holder for 2mm²

Mega Fuse Holder

An individual fuse holder which accepts mega fuses. The cable connections are made using the 2 x 8mm studs. The fuse holder is fixed onto a firm surface using fixing points located at the ends of the unit. Multiple fuse holders can be clipped together to form a fuse block. Mega fuses for protecting circuits up to 500 amps.

Rating	Part No	Rating	Part No
MEGA Fuse Holder	69600		
100 Amp (Yellow)	69601	225 Amp (Light Brown)	69606
125 Amp (Green)	69602	250 Amp (Pink)	69607
150 Amp (Orange)	69603	300 Amp (Grey)	69608
175 Amp (White)	69604	400 Amp (Violet)	69609
200 Amp (Blue)	69605	500Amp (Brown)	69610

Glass Fuses

Flat-ended glass fuses 30mm x 6.3mm

Rating	Part No	Rating	Part No
1 Amp	70663	20 Amp	70669
2 Amp	70664	25 Amp	70670
3 Amp	70665	30 Amp	70671
5 Amp	70666	35 Amp	70672
10 Amp	70667	50 Amp	70673
15 Amp	70668		

Glass Fuse Holders

Glass fuse holders which accept 30mm fuses.

Part No	Description
70660	Red 10 Amp Glass Fuse Holder 1.0 mm² (cable cross section)
70661	Green 20 Amp Glass Fuse Holder 2.0 mm² (cable cross section)

Vetus Fuses & Holders

"Slow blow" type fuse, suitable for Thrusters, Windlasses etc. Encapsulated in glass to prevent fire.

Part No	Description	Part No	Description
55837	40 amp	55844	200 amp
55838	50 amp	55845	250 amp
55839	63 amp	55846	300 amp
55840	80 amp	55847	355 amp
55841	100 amp	55848	425 amp
55842	125 amp	55849	500 amp
55843	160 amp	55850	Fuse Holder

Midi Fuse Holder & Fuses

An individual fuse holder which accepts midi fuses. The cable connections are made using the 2 x 5mm studs. Multiple fuse holders can be clipped together to form a fuse block. Midi fuses used for protecting the larger circuits up to 150 amps.

Rating	Part No	Rating	Part No
30 Amp (Orange)	69620	80 Amp (White)	69625
40 Amp (Green)	69621	100 Amp (Blue)	69626
50 Amp (Red)	69622	125 Amp (Pink)	69627
60 Amp (Yellow)	69623	150 Amp (Black)	69628
70 Amp (Brown)	69624	MIDI Fuse Holder	69615

130 Assorted Blade Fuses Refill Box

4amp x 10
5amp x 10
7.5 amp x 20
10 amp x 20
15 amp x 20
20amp x 20
25 amp x 20
30amp x 10

Part No
70590

120 Assorted Pre Insulated Terminals Refill Box

6.4mm Blue ring terminals x 15
Red Butt Connector x 15
Blue Butt Connector x 15
6.3mm Red Female Covered Spade x 15
6.3mm Blue Female Covered Spade x 15
6.3mm Blue Female Spade x 15
6.3mm Red Male Spade
6.3mm Blue Male Spade

Part No
70619

Standard Blade Fuse Box

Blade fuse boxes complete with transparent cover and gasket. The cable connections are made using the 6.3mm male blade terminals which are fitted on the sides

Part No	Description	No. of Fuses	Male Blade Terminals Fitted	Dimensions H x W x D (mm)
70577	4 Way Blade Fuse Box	4	8 x 6.3mm	36 x 80 x 29
70578	6 Way Blade Fuse Box	6	12 x 6.3mm	36 x 100 x 29
70579	8 Way Blade Fuse Box	8	16 x 6.3mm	36 x 120 x 29

LED Blade Fuse Box

LED blade fuse box complete with transparent cover. Consists of 1 x 5mm positive input stud which feeds each of the blade fuses. Each fuse has a 6.3mm male blade terminal and a red LED indicator light next to it that glows when the fuse has blown.

FBB4L FBB6L

FBB10L

Part No	Description	No. of Fuses	Male Blade Terminals Fitted	Dimensions H x W x D (mm)
70560	4 Way LED Blade Fuse Box	4	4 x 6.3mm	35 x 45 x 85
70561	6 Way LED Blade Fuse Box	6	6 x 6.3mm	35 x 65 x 85
70562	10 Way LED Blade Fuse Box	10	10 x 6.3mm	35 x 95 x 85

YUASA Leisure Battery 80AH

Brand: Yuasa

Volts: 12V

Ah: 80A

CCA: 450

Dimensions:

L:260mm

W:174mm

H:225mm

Part No	Description
70800	YUASA Leisure Battery 80AH

YUASA Leisure Battery 100AH

Brand: Yuasa

Volts: 12V

Ah: 100A

CCA: 600

Dimensions:

L: 330mm

W: 173mm

H: 240mm

Part No	Description
70801	YUASA Leisure Battery 100AH

Vetus Black Battery Boxes

New style injection moulded polypropylene box

Thanks to the correct dimensions and strong mounting straps, your battery will be held securely even in rough waters.

Part No	Description
55851	Battery Box BATBOXS VESMF60 VEAGM60 Internal Dimensions:255 x 180 x 195mm (LWH)
55852	Battery Box BATBOXM VESMF70 VEAGM70 Internal Dimensions: 350 x 180 x 195mm (LWH)
55853	Battery Box BATBOXL VESMF/AGM 85/105 Internal Dimensions:360 x 175 x 230mm (LWH)
55857	BATBOXSET Battery Box Spare Strap Set

Trem Battery Box

Small: Manufactured in resistant plastic material.
Complete with carrying strap and nylon buckle for fastening.

Large: With adjustable partition & belt
Can hold 1 big or 2 small batteries
Suitable also as onboard equipment holder
Manufactured in polypropylene

Part No	Size
70715	Small 190 X 270 X 200H mm
70716	Large 200 X 410 X 250H mm

Osulati Battery Box

Suitable for 100 AH batteries. Inside 320 x 177 x 190h. Outside 370 x 210 x 250h. With fastening strap and buckle.

Part No	Size
96416	370 x 210 x 250 high

Vetus Battery Terminal M10 Bolt

Sold as a pair

For cables with cross section between 16 and 35mm². Saddle clamp type cable connection.

BATT150

Part No
55871

Quick release terminals

Designed to be fitted onto or removed from a battery without tools. Material – Passivated steel. Suitable for cables up to 25mm²

Sold as a pair (blue & red)

Part No
70876

Battery Terminals

Sold Individually

Material - Tin plated brass

M10 Stud size

17mm Stud Length

Part No	Polarity	Cover
70873	Positive	70877
70872	Negative	70878

Polarity	For Cable up to 40mm²	For Cable up to 60mm²
Positive	70638	70642
Negative	70640	70644

Battery Terminal Covers

Positive or Negative

Left or Right

Polarity	Left	Right
Positive	70647	70649
Negative	70648	70650

Part No	55797	96050	70692	55798	70689	70690
Description	Battery Switch 75 Amp (BATSW075)	Compact Battery Switch 100 Amp	Easy Battery Switch + Key 100 Amp	Battery Switch 100 Amp (BATSW100)	Battery Switch Dual Circuit 100Amp	3 Way Master Battery Switch 175Amp
Dimensions					69 x 69 x 74mm High	135 x 135 x 75mm High
Fixed or Removable Key	Removable	Removable	Removable	Removable	Fixed	Fixed
Single Circuit or Dual	Single	Single	Single	Single	Dual	Dual
Continuous Amp Rating	75 Amps	100 Amps	100 Amps	100 Amps	100 Amps	175 Amps
5 Seconds Amp Rating	350 Amps	150 Amps		500 Amps	300 Amps	
3 Minutes Amp Rating						
Stud Size	10mm	6mm	9.4mm	10mm	10mm	10mm
Max Voltage	24V DC	32V DC		24V DC	50V DC	24V DC

Part No	55795	55799	70694	35998	69907	69901
Description	3 Way Battery Switch 175 Amp ACCUSCH	Battery Switch 250 Amp (BATSW250)	Heavy Duty Battery Switch 280 Amp	Battery Switch Mini 275Amp	Blue Sea M Series Battery Switch 300amp	Blue Sea M Series Dual Circuit Plus Battery Switch 300Amp
Dimensions	135 x 135 x 75mm High		66mm Flange	69 x 69 x 75mm		
Fixed or Removable Key	Removable	Removable	Removable	Fixed		
Single Circuit or Dual	Dual	Single	Single	Single	Single	Dual
Continuous Amp Rating	175 Amps	250 Amps	280 Amps	275 Amps	300 Amps	300 Amps
5 Seconds Amp Rating	300 Amps	2500 Amps	2500 Amps	10 Seconds = 1250 Amps	30 Seconds = 900 Amps	30 Seconds = 675 Amps Per Circuit
3 Minutes Amp Rating				5 Minutes = 455 Amps	5 Minutes = 500 Amps	5 Minutes = 450 Amps
Stud Size	10mm	10mm	10mm	10mm		
Max Voltage	32V DC	24V DC				

Part No	69902	55800
Description	Blue Sea E Series Dual Circuit Plus Battery Switch 350amp	Battery Switch 600Amp (BATSW600)
Dimensions		
Fixed or Removable Key		
Single Circuit or Dual	Dual	Single
Continuous Amp Rating	350 Amps	600 Amps
5 Seconds Amp Rating	30 Seconds = 700 Amps Per Circuit	4500 Amps
3 Minutes Amp Rating	5 Minutes = 525 Amps	
Stud Size		
Max Voltage	32V DC	24V DC

Black Cable Ties

Manufactured in nylon MIL standard specification M20693B. Tensile strength to MIL standard specification S23190E and flammability to UL94V2

Sold each or in bags of 100

Part No	Width	Length
69550	2.5mm	80mm
69551	2.5mm	100mm
69552	3.6mm	140mm
69553	3.6mm	200mm
69554	3.6mm	300mm
69555	4.8mm	120mm
69556	4.8mm	160mm
69557	4.8mm	200mm
69558	4.8mm	300mm
69559	4.8mm	370mm
69560	7.6mm	200mm
69561	7.6mm	300mm
69562	7.6mm	368mm
69563	9mm	430mm
69564	9mm	526mm
69565	9mm	780mm

Cable Tie Fixing

2 way and 4 way cable tie mounts with a self adhesive base. Alternatively the mount can be fixed by using a self tapping screw (not inc) through the hole in the centre.

Sold Each or in bags of 100

Part No	Maximum Cable Tie Size (mm)	Base Size (mm)	Fixing Hole Size (mm)
69570	4.8mm	19.0 x 19.0mm	3.5mm
69571	4.8mm	28.0 x 28.0mm	5.7mm

Cable Tie Cradle

Cable tie cradle suitable for the larger ties. The cradle is fixed to a firm surface using a self tapping screw (not inc)

Sold Each or in bags of 100

Part No	Maximum Cable Tie Size (mm)	Base Size (mm)	Fixing Hole Size (mm)
69572	9.0mm	21.9 x 15.9mm	5.0mm

Cable Tie Eyelet

Cable tie eyelet suitable for fixing cable ties securely to a firm surface. This can be fixed using a self tapping screw (not inc).

Sold Each or in bags of 100

| Part No	Maximum Cable Tie Size (mm)	Base Size (mm)	Fixing Hole Size (mm)
69573	5.0mm	20.0 x 10.0mm	4.3mm

Battery Charger - BC12051

VETUS introduces a new 12 Volt, 5 Ampere battery charger. This new microprocessor controlled 'switch mode' charger will charge a battery in five separate stages. Thanks to the switch mode technology batteries are charged 1.5 times faster compared with a conventional battery charger. It is also capable of 'refreshing' and maintaining your battery.

Part No
55794
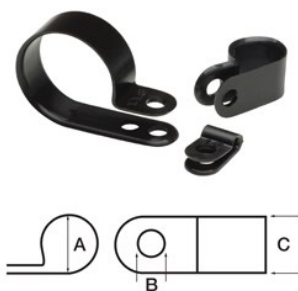
Nylon P clips for fixing cables, conduits etc.

Part No	A (height)	B (hole size)	C (width)
70740	3.2mm	5.2mm	13.2mm
70741	4.5mm	5.2mm	9.7mm
70742	6.4mm	5.2mm	9.7mm
70743	7.6mm	4.8mm	9.7mm
70744	9.3mm	4.8mm	9.7mm
70745	12.6mm	5.2mm	12.8mm
70755	15.8mm	4.6mm	12.0mm
70756	19.4mm	5.3mm	12.0mm
70757	25.4mm	4.6mm	12.0mm
70758	28.6mm	4.6mm	12.7mm

WISKA
make power smile

Part No	Description	Width mm	Height mm	Length mm
72150	Combi 206 Grey Junction Box IP66	49	51	85

Part No	Description	Width mm	Height mm	Length mm
72151	Combi 9 Inlet Grey 4mm²Junction Box IP66	95mm	60	95

Part No	Description	Width mm	Height mm	Length mm
72152	Combi 8 Inlet Grey 4mm²Junction Box IP66	85	51	85

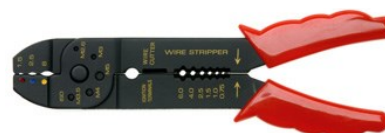| Part No	Description
72155	20mm Cable Compression Gland IP68
72156	25mm Cable Compression Gland IP68

Ratchet crimping tool suitable for crimping copper tube terminals from 1.5 - 10mm². The ratchet ensures that the correct crimping pressure is applied before release.

Tool length 260mm.

Part No
70798

Economy crimping tool suitable for the full range of pre insulated terminals and heatshrink pre insulated terminals. Also features a cable cutter and wire stripper.

Part No
70829

Waterproof Cable Glands

6mm   8mm   12mm   19mm

Manufactured in high quality chrome plated brass. Three hole flange fixing.

Part No	Cable Diameter
70710	6mm
70711	8mm
70712	12mm
70713	19mm

Split Seal Single Cable Glands

Index Marine Equipment Ltd

DG21A   DG21P   DG22A   DG22P

Part No	Type	Cable Size	Max Connector Diameter	Dimensions
71600	DG21A Aluminium	4.5-9mm	21mm	45 x 21mm
71601	DG21P Plastic	4.5-9mm	21mm	45 x 21mm
71602	DG22A Aluminium	9-14mm	21mm	45 x 21mm
71603	DG22P Plastic	9-14mm	21mm	45 x 21mm
71604	DG45A Aluminium	12-15mm	40mm	66 x 21mm
71605	DG45P Plastic	12-15mm	40mm	66 x 21mm
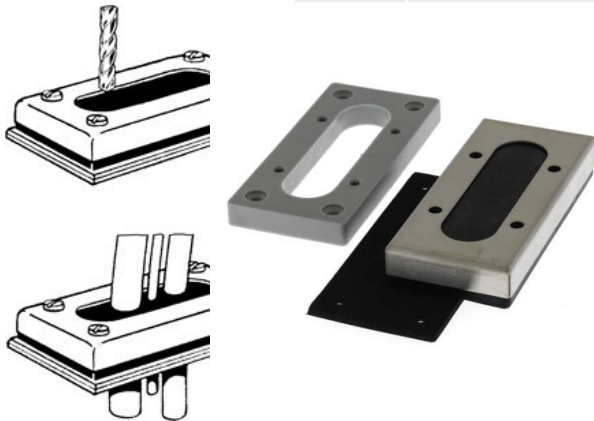
The DR1 cable gland can be drilled in the same way as the M Series glands, to accept a variety of cables. Following the instructions provided, simply drill holes of appropriate diameter through the 12.5mm thick diaphragm. However, the diaphragm should not be slit as it is not tapered, (as in the M Series glands) and a perfect seal would therefore not be guaranteed. Stainless steel top. Plastic base.

Dimensions: Height 21mm, Length 94mm, width 44mm

Aperture: 65 X 18.5mm

Part No: 71613

DG Series Deck Glands

DG20A   DG20P

DG30A   DG30P

DG40A   DG40P

DG50A

The DG series of plastic cable glands are made from UV stable nylon. They are available in an aperture range of 8mm to 40mm and have an attractive, low profile shape. The range has passed independent rigorous dust and waterproof testing to IP 68. Each unit is supplied with clear fitting instructions and A4 stainless steel fixings. DG Deck Glands are easy to fit and do not require the removal of fitted connectors when installing. The DG Series aluminium cable glands are made from marine grade anodised aluminium.

Part No	Type	Max Connector Diameter	Dimensions (mm)
71606	DG20A Aluminium	21mm	45 x 21
71607	DG20P Plastic	21mm	45 x 21
71608	DG30A Aluminium	30mm	54 x 21
71609	DG30P Plastic	30mm	54 x 21
71610	DG40A Aluminium	40mm	66 x 21
71611	DG40P Plastic	40mm	66 x 21
71612	DG50A Aluminium	51mm	80 x 25

V12 Series Glands

A gland for a single cable, with no connector attached. Three different diameter seals are supplied. Choose the seal whose diameter most closely matches the diameter of the cable to be passed through. The seal sits between the top and the base of the gland and when the two are screwed together, a neat and watertight seal is created.

Dimensions: Width 35mm, Height 12mm

To fit cables from 2-8mm.

Part No	Type
71614	V12F Aluminium
71615	DG8P Plastic

DG Coax Kits

Two kits for the installation of VHF radios supplied with either a BNC or PL259 coax connection. Each combines the DG gland (plastic, aluminium or stainless) with a 4.5mm split seal which does not require the removal of fitted connectors   during installation (suitable for RG58 type coax cable). Full assembly instructions included.

Part No	Type
71617	A2 KIT 1
71618	A2 KIT 4

Cables Glands & Accessories

SCANSTRUT®
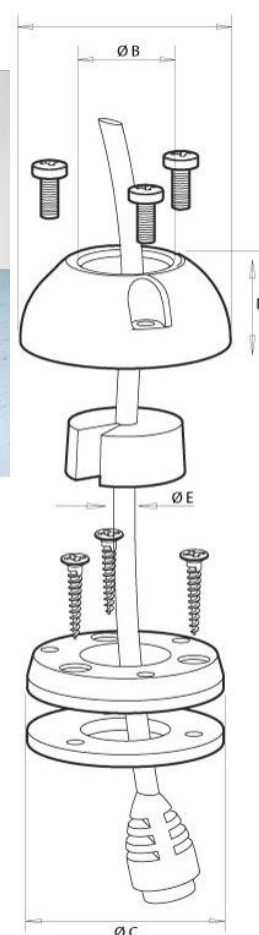INSTALLATION SOLUTIONS FOR MARINE ELECTRONICS™

The only guaranteed and proven watertight installation for your antenna and navlight cables.

The range provides waterproof cable routing and is produced in high impact plastic and 316 stainless steel with options for 16mm to 40mm connectors, making it ideal for almost every installation.

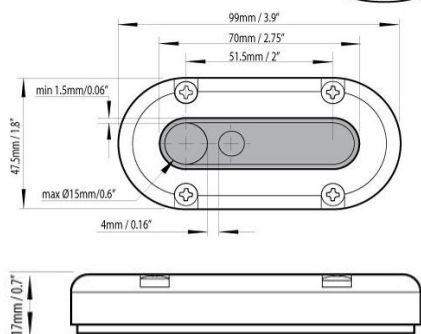| Part No	Description
72212	DS6-Plastic (2 - 6mm)
72200	DS16-Plastic (2 - 8mm)
72201	DS21A-Plastic (4 - 9mm)
72202	DS21B-Plastic (9 -14mm)
72203	DS30-Plastic (9 -14mm)
72204	DS40-Plastic (12 - 15mm)
72205	DS16-Stainless 316 (2 - 8mm)
72206	DS21A-Stainless 316 (4 - 9mm)
72207	DS21B-Stainless 316 (9 -14mm)
72208	DS30-Stainless 316 (9 -14mm)
72209	DS40-Stainless 316 (12 - 15mm)

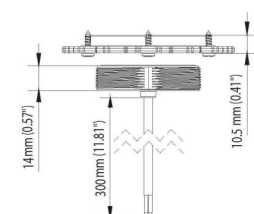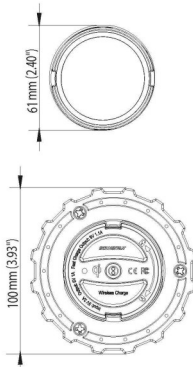|	A mm (inches)	B mm (inches)	C mm (inches)	D mm (inches)	E mm (inches)
DS6	30 (1.18)	N/A	27.0 (1.06)	17 (0.67)	2-6 (0.08-0.24)
DS16	39 (1.53)	16 (0.63)	36.5 (1.44)	19 (0.75)	2-8 (0.08-0.31)
DS21A	49 (1.93)	21 (0.83)	45.7 (1.8)	20.5 (0.81)	4-8 (0.17-0.31)
DS21B	49 (1.93)	21 (0.83)	45.7 (1.8)	20.5 (0.81)	9-14 (0.35-0.55)
DS30	59 (2.32)	30 (1.18)	56 (2.2)	20.5 (0.81)	9-14 (0.35-0.55)
DS40	69 (2.72)	40 (1.57)	66 (2.6)	21.7 (0.85)	12-15 (0.4-0.59

DS-H6

DS-H10

DS-HD6

Aluminium Cable Gland.

The DS-HD6-BLK double horizontal cable seal was designed to eliminate time-consuming and sub-standard routing of solar panel cables. Our seal helps you achieve a sleek, easy-to-fit, and 100% watertight installation every time. Perfect for routing two solar panel cables externally to internally on the roof of boats.

Part No	Description
72210	DS-MULTI (Cables up to 18mm)

Horizontal Cable Glands

Part No	Description
72211	DS-H6 (2 -6mm)
72214	DS-H10 (6-10mm)
72215	DS-HD6 2 Cable (5-6mm)

ROKK™ ⚡
WIRELESS.

The world's first waterproof wireless charging range.

For help & information
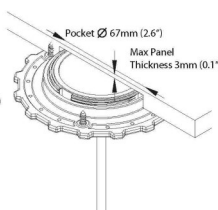email: sales@scanstrut.com
tel: +44 (0) 1392 531280

ROKK Wireless Hidden - **SC-CW-01E**

Electrical info:
- Input Voltage Range: 10-30V DC (12/24V system)
- Input current max: 1.5A
- Output Power: 5W (5V,1A)
- Standby Power Draw : < 0.03W
- Qi, CE, FCC, ROHS Certified.

Waterproof Rating: IPX6

Pocket Ø 67mm (2.6")
Max Panel Thickness 3mm (0.1")

ROKK Wireless Hidden Charger

Sub-surface, hidden from view but always ready to charge. Engineered to be installed under the surface and leave the top surface un-cluttered and looking perfect. Simply etch in your logo to identify the charge location. Ideal for GRP or wood, the unit can be installed under tables, cabinets, consoles or worktops. The installation system is simple to install and works with a variety of panel depths and materials.

Part No	Description
72220	ROKK Wireless Hidden

ROKK™ ⚡
WIRELESS.

The world's first waterproof wireless charging range.

For help & information
email: sales@scanstrut.com
tel: +44 (0) 1392 531280

ROKK Wireless Surface - **SC-CW-02E**

Panel thickness > 3mm (0.1")

Hole Ø 64/65mm (2.5")

Electrical info:
- Input Voltage Range: 10-30V DC (12/24V system)
- Input current max: 1.5A
- Output Power: 5W (5V,1A)
- Standby Power Draw : < 0.03W
- Qi, CE, FCC, ROHS Certified.
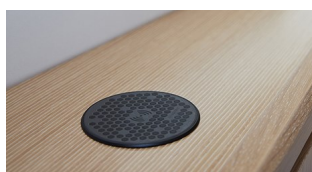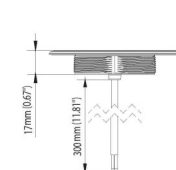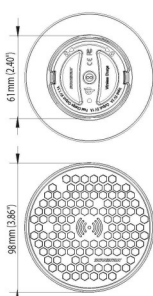
Waterproof Rating: IPX6

ROKK Wireless Surface Flush Mounted Charger

Low-profile, flush-mounted charge pad with an ultra grippy, non-slip surface. Contemporary look with two-tone colour, designed to complement modern interiors and exteriors. Designed to fit to any smooth surface, indoors or out.

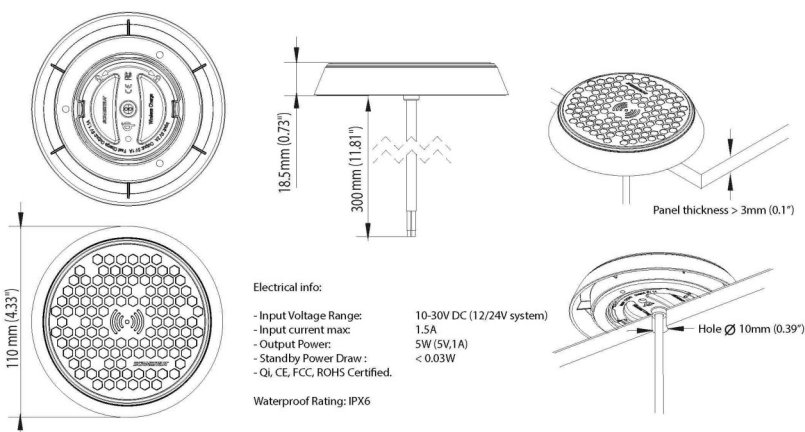| Part No	Description
72221	ROKK Wireless Surface

ROKK™ WIRELESS.

The world's first waterproof wireless charging range.
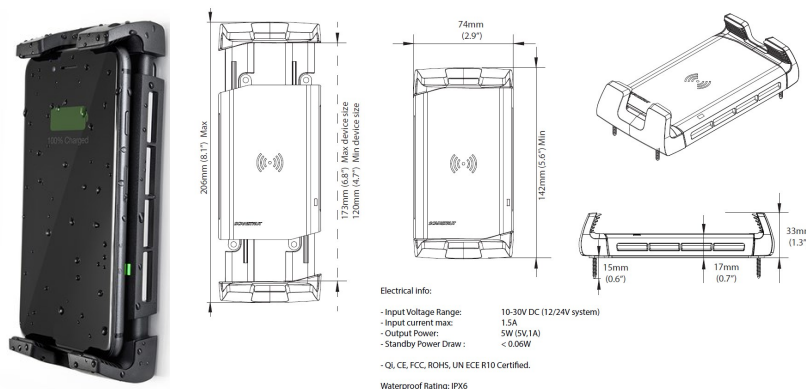
ROKK Wireless Bezel - **SC-CW-03E**

For help & information
email: sales@scanstrut.com
tel: +44 (0) 1392 531280

18.5mm (0.73")
300mm (11.81")
Panel thickness > 3mm (0.1")
110 mm (4.33")
Hole Ø 10mm (0.39")

Electrical info:

- Input Voltage Range: 10-30V DC (12/24V system)
- Input current max: 1.5A
- Output Power: 5W (5V,1A)
- Standby Power Draw :   < 0.03W
- Qi, CE, FCC, ROHS Certified.

Waterproof Rating: IPX6

ROKK Wireless Surface Mounted Charger

The easiest to install, this option includes the non-slip surface pad but simplifies installation even further. Simply drill a 10mm cable access hole and fit to your chosen location Qi wireless charging is ready to go.

Part No	Description
72222	ROKK Wireless Bezel

74mm (2.9")
206mm (8.1") Max device size
173mm (6.8") Max device size
120mm (4.7") Min device size
142mm (5.6") Min
33mm (1.3")
15mm (0.6")
17mm (0.7")

Electrical info:

- Input Voltage Range: 10-30V DC (12/24V system)
- Input current max: 1.5A
- Output Power: 5W (5V,1A)
- Standby Power Draw :   < 0.06W
- Qi, CE, FCC, ROHS, UN ECE R10 Certified.

Waterproof Rating: IPX6

ROKK Wireless Phone Charging Mount

One-handed dock/charge operation. Instant charging. No connection needed. 12/24V input compatible. IPX6 Waterproof. Self-aligning grips securely hold your phone.
Qi-certified wireless charging. Compatible with wide range of device sizes from Apple, Samsung and many more. Quick and simple waterproof install on any flat surface. Charges through non-metallic waterproof cases up to 3mm thick (0.11")

Part No	Description
72225	ROKK Wireless Active

Designed and engineered by the outdoor technologies experts Scanstrut, the new ROKK wireless charging receiver patches are wireless charge ready! Simply plug the Mirco USB or Lightning charge patch into your phones charging port, place on the back of the phone and then clip on your phone case over the top. Your phone is now ready to be charged by any of the 12/24V ROKK wireless charger range or any other Qi-certified charging product.

SC-CW-PATCH-MU

Universal Micro USB wireless charge receiver patch

SC-CW-PATCH-LU

Universal Lightning wireless charge receiver patch for iPhone

Part No	Description
72223	Universal Micro USB Wireless Patch
72224	Lightning IPHONE Wireless Patch

Horns

Electric Horns Compact Type

Compact shell horn, stainless steel (AISI316), low pitch, available in 12 Volt, 110 db. Double horn is high & low pitch.

Part No	Description
58273	C12L Single 12Volt (L X H X W) : 83 x 56 x 85 mm
58272	C12D Double 12 Volt (L X H X W): 205 x 56 x 85 mm

Eco Friendly Compressed Air Horn

Hand-operated via the plunger on the bottom of the cylinder. Fitted with double nozzle to be also used as inflator for fenders and balls.

Part No	Description
96333	Eco Compressed Air Horn

© Osculati Srl

Flush Mount Electric Horn

Flush mounted electric horn. Plastic housing, stainless steel (AISI 316) diaphragm. Including white, black and chrome plated ABS cover.

Voltage (V): 12 V

Decibel (dB): 110 dB (A)

Dimensions (height x width) (inches): 2,44 x 5,04

Build-in depth (inches): 3,74

Dimensions (height x width) (mm): 62 x 128

Build-in depth (mm): 95

Part No	Description
58289	12V SS 316 110db (T12)

AFI Horn Compact Dual Trumpet 16" SS 110db

Part No	Description
96433	AFI Horn Dual Trumpet

Electric Horns Long Trumpet Type

Deluxe 12v electric single trumpet horn with an elegant shape. The horn is made of chromium plated brass, mounting bracket and top cover are stainless steel, mechanism base is chromium plated ABS.

Part No	Description
58275	Single 12Volt Low Pitch (H12L)
58276	Single 24Volt Low Pitch (H24L)
58277	Single 12Volt High Pitch (H12H)
58278	Single 24 Volt High Pitch (H24H)
58279	Double 12 Volt High & Low (H12D)
58280	Double 24 Volt High & Low (H24D)

Electric Horns Short Type

Deluxe compact electric horn, made of chromium plated ABS stainless steel.
Supplied with relay.

Part No	Description
58283	Single 12Volt Low Pitch (TNA12L)
58284	Single 24Volt Low Pitch (TNA24L)
58285	Single 12Volt High Pitch (TNA12H)
58286	Single 24Volt High Pitch (TNA24H)
58287	Double 12 Volt High & Low (TNA12D)
58288	Double 24 Volt High & Low (TNA24D)
58290	Horn Push Button (HORNPB)

Momentary Push Button Switch

Marine plastic with rubber button and silver contacts. Can be used as a horn push button.
For 9mm plate.
12V - 5A

Part No
70680

Dashboard instruments with cream, black or white dials.

Tachometer (revolution counter)

Available in 114mm diameter as 0-4000 r.p.m. version (for most diesel engines) or a 0-5000 r.p.m. version (to suit high speed engines). Dual voltage 12/24V gauges running on DC current are now the new standard. Cut out size 100mm. Overall Diameter 114mm.

Supplied with black and chrome finish bezels.

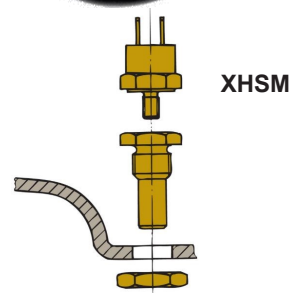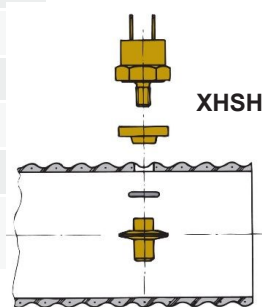| Part No	Vetus	Description
56092	TACHB4000	Black 4000 rpm tachometer
56093	TACHW4000	White 4000 rpm tachometer
56094	TACHN4000	Cream 4000 rpm tachometer
56095	TACHB5000	Black 5000 rpm tachometer
56096	TACHW5000	White 5000 rpm tachometer
56097	TACHN5000	Cream 5000 rpm tachometer

Exhaust / Gas Temperature Alarm

52mm Cut out size.

63mm Overall Diameter.

Designed for water injected engine systems. Provides a visual and an audible alarm when the temperature inside the exhaust hose or the waterlock exceeds an acceptable level.

A temperature sensor, to be fitted into the exhaust hose or the waterlock must be ordered separately. In case of a twin engine installation two sensors may be connected to one unit if required. One sensor will also operate two alarm units in the case of a second steering position.

Part No	Vetus	Description
56071	XHI12B	Black 12V Audible Alarm
56072	XHI24B	Black 24V Audible Alarm
56073	XHI12W	White 12V Audible Alarm
56074	XHI24W	White 24V Audible Alarm
56075	XHSH	Sensor to fit exhaust hose.
56076	XHSM	Sensor to fit waterlocks: MF/MV/LSG/LSS/MGS/MGL/MGP

XHSH

XHSM

Trim Gauge

52mm Cut out size

63mm Overall Diameter

For connection to the trim sensor of a stern drive or a set of trim tabs. Sensor resistance range: Trim down: 10 Ohm. Trim up: 180 Ohm. Dual voltage 12/24V

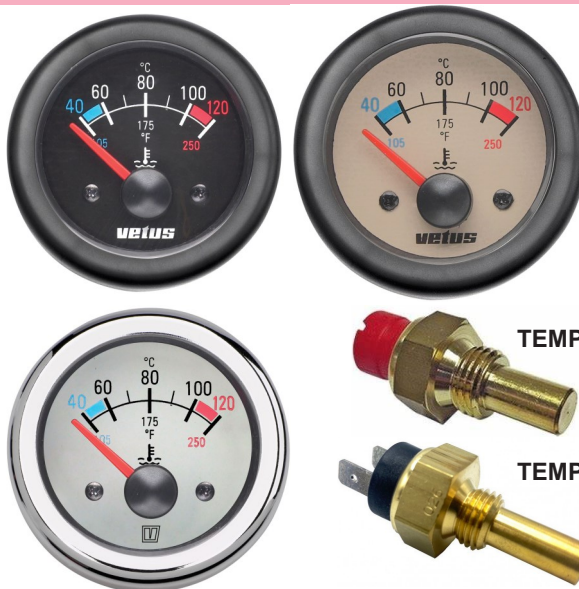| Part No	Vetus	Description
56098	TRIMB	Black Trim Gauge.
56099	TRIMN	Cream Trim Gauge.
56100	TRIMW	White Trim Gauge
56101	TRIMWR	Connection Cable

Temperature Gauge

52mm Cut out size

63mm Overall Diameter

Scale calibration: 40-120°C. and 105-250°F.

Temperature sensors are available as optional equipment.

Dual Voltage 12/24V.

Part No	Vetus	Description
56102	TEMPB	Black Temperature Gauge
56103	TEMPN	Cream Temperature Gauge
56104	TEMPW	White Temperature Gauge
56062	TEMPSR120	Single Pole Sender M14 x 1.5
56063	TEMPSR122	Double Pole Sender M14 x 1.5

TEMPSR120

TEMPSR122

Hour Counter Gauge

52mm Cut out size

63mm Overall Diameter

Analogue engine hour counter which connects to the ignition switch. Dual Voltage 12/24V.

Part No	Vetus	Description
56105	HOURCB	Black Hour Counter
56106	HOURCN	Cream Hour Counter
56107	HOURCW	White Hour Counter

Voltmeter Gauge

52mm Cut out size

63mm Overall Diameter
Dual Voltage 12/24V.

12V = 8-16 VDC

24V = 16-32 VDC

Part No	Vetus	Description
56108	VLT12B	Black 12V Voltmeter
56109	VLT24B	Black 24V Voltmeter
56110	VLT12N	Cream 12V Voltmeter
56111	VLT24N	Cream 24V Voltmeter
56112	VLT12W	White 12V Voltmeter
56113	VLT24W	White 24V Voltmeter

Waste Water Gauge

52mm Cut out size
63mm Overall Diameter
Dual Voltage 12/24V.
The waste water can be provided with an interface (EP412326). A warning light can be connected to this interface, which will indicate when the holding tank is full

Part No	Vetus	Description
56123	WASTB	Black Waste Water Gauge
56124	WASTN	Cream Waste Water Gauge
56125	WASTW	White Waste Water Gauge
56126	EP412326	Interface

EP412326

Electrical
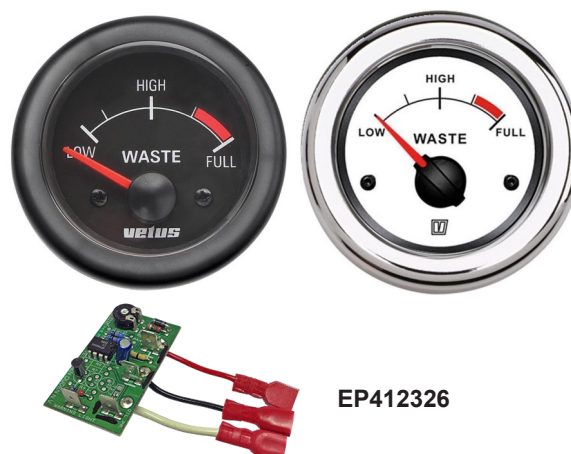
Amp Meter Gauge

52mm Cut out size

63mm Overall Diameter

Dual Voltage 12/24V.

Scale Calibration +/- 50A, 80A or 150A

Part No	Vetus	Description
56114	AMP050B	Black 50A Amp Meter
56115	AMP050N	Cream 50A Amp Meter
56116	AMP050W	White 50A Amp Meter
56117	AMP080B	Black 80A Amp Meter
56118	AMP080N	Cream 80A Amp Meter
56119	AMP080W	White 80A Amp Meter
56120	AMP150B	Black 150A Amp Meter
56121	AMP150N	Cream 150A Amp Meter
56122	AMP150W	White 150A Amp Meter

Oil Pressure Gauge

52mm Cut out size

63mm Overall Diameter

Dual Voltage 12/24V.

Scale calibration 0-8kg/cm² and 0-110 p.s.i. Oil pressure sensors are available as optional equipment.

Part No	Vetus	Description
56127	OILB	Black Oil Pressure Gauge.
56128	OILN	Cream Oil Pressure Gauge.
56129	OILW	White Oil Pressure Guague
56064	OILS	Single Pole M10 x 1K Oil Pressure Sender
56065	OILS2	Double Pole M10 x 1K Oil Pressure Sender

OILSR08

OILS

OILSR082

OILS2

Fuel Gauge

52mm Cut out size

63mm Overall Diameter

Dual Voltage 12/24V.

Part No	Vetus	Description
56130	FUELB	Black Fuel Gauge
56131	FUELN	Cream Fuel Gauge
56132	FUELW	White Fuel Gauge

Fresh Water Gauge

52mm Cut out size

63mm Overall Diameter

Dual Voltage 12/24V.

Part No	Vetus	Description
56133	WATERB	Black Fresh Water Gauge
56134	WATERN	Cream Fresh Water Gauge
56135	WATERW	White Fresh Water Gauge

Rudder 63mm Indicator & Sending Unit

52mm Cut out size

63mm Overall Diameter

Dual Voltage 12/24V.

Part No	Vetus	Description
56136	RUDDB	Black Rudder Indicator
56137	RUDDN	Cream Rudder Indicator
56138	RUDDW	White Rudder Indicator
56146	RUDDS	Rudder position sending unit

Rudder 114mm Indicator & Sending Unit

100mm Cut out size

114mm Overall Diameter

Dual Voltage 12/24V.

Part No	Vetus	Description
56139	RUDDB40	114mm Black Rudder Indicator
56140	RUDDN40	114mm Cream Rudder Indicator
56141	RUDDW40	114mm White Rudder Indicator
56142	RUDDSHD	Heavy Duty Rudder position sending unit

Energy consumption gauge / battery monitor

Type BATMONB

The monitor shows you the exact state of change of a battery or battery bank. The BATMONB has several functions such as voltage, charge or discharge current, scale range of the nominal battery capacity and the time to complete discharge at the present discharge rate.

85mm Cut out size

97mm Overall Diameter

Dual Voltage 12/24V.

Part No	Vetus	Description
56143	BATMONB	Energy Consumption Gauge

Water/Fuel Float Sensor

Universal sender for fresh water, petrol/gasoline and diesel fuel. The Vetus universal tank sender indicates the difference in fluid level in steps of 2.5cm.

Empty 300Ω
Full 10Ω

12/24V

Part No	Length
56080	280mm
56081	320mm
56082	380mm
56083	480mm
56084	580mm
56085	680mm
56086	780mm

Waste Water Sensor

Easy measurement.

Simple to fit, reliable waste water tank sensor. The arm length is adjustable between 200mm and 412mm.

Empty 300Ω
Full 0Ω
12/24V

WWSENSORA

Part No
56088

Fuel Tank Float 140/660mm

Sender for fuel tanks.

Sender for all rigid petrol and diesel fuel tanks with a depth between 140 and 660mm.

Both the vertical strip and the horizontal float arm are completely adjustable.

Empty 280Ω
Full 40Ω
12/24V

FSENSOR

Part No
56087

The ultrasonic level sensors, SENSORA and SENSORB are contactless and will measure the fluid level in any shape of tank. They are suitable for use with: petrol, diesel fuel, fresh water, black and grey waste water. After installation, the sensor can be calibrated very easily with the aid of a LED and a calibration; no other equipment is required. The sensor may be installed in any shape of tank, regardless of its dimensions, but with a maximum depth of 120cm. Max. tank capacity 5000 litre. Model SENSORA may be connected to all standard VETUS analogue level indicators and also to the VETUS waste water control panel (WWCP). Model SENSORB has a CANbus output and may be connected to the VETUS ultrasonic level display SENSORD. SENSORA and SENSORB are not recommended for use with metal tanks.

Ultrasonic Level Sensor SENSORA

- Can be used with all standard VETUS analogue level indicators.

- 12/24V

- Current consumption: 35 mA

- Tank depth: 120mm

- Accuracy: +/- 5%

- Temperature range: -20°C - 70°C

- Flange: SAE, 5 holes

- Dimensions: ø 77 x 23mm

Part No
56090

Ultrasonic Level Sensor SENSORB

- Only works with SENSORD

- Uses a Bus interface (RS485 bus)

- 12/24V

- Current consumption: 35 mA

- Tank depth: 120mm

- Accuracy: +/- 5%

- Temperature range: -20°C - 70°C

- Flange: SAE, 5 holes

- Dimensions: ø 77 x 23mm

Part No
56091

Ultrasonic Level Display Unit SENSORD

The graphic display instrument model SENSORD can be used to show the contents of up to four different tanks on one screen. A maximum of eight tanks can be monitored with the system.

- Uses a Bus interface (RS485 bus)

- 8 - 32V

- Instrument: 125mA at 12 VDC / 63mA at 24 VDC.

- Current consumption sensor: 35mA

- Max 8 Sensors

- Number of display instruments: max 2

- Operating Temperature range: -0°C - 70°C

- IP66

- Dimensions: 110 x 110mm

Part No
56089

Vetus Gas & Carbon Monoxide Detector 12/24V

The gas detector model GD1000 offers a gas detection system for a range of combustible gases including propane, butane, methane and hydrogen. In addition it will also detect poisonous carbon monoxide.

Maximum relay contact ratings for extractor fan, gas solenoid valve and external alarm: 1A for each function.

Control panel dimensions : 85 x 85mm

Built in depth: 40mm

Sensor 35 x 26 x 62mm

Part No	Vetus	Description
55935	GD1000	12V/24V Detector + Sensor
55936	GSENSOR	Extra Sensor

Vetus Petrol & Carbon Monoxide Detector 12/24V

The gas detector PD1000 detects petrol vapour to prevent the risk of explosion in the engine room, as well as poisonous carbon monoxide (CO).

Maximum relay contact ratings for extractor fan, gas solenoid valve and external alarm: 1A for each function.

Control panel dimensions : 85 x 85mm

Built in depth: 40mm

Sensor 35 x 26 x 62mm

Part No	Vetus	Description
55937	PD1000	12V/24V Detector + Sensor
55938	PSENSOR	Extra Sensor

Waste Water Control Panel 12/24V

This easy to use control panel with security lock can be used manually or automatically to control the full tank pump out and manage the complete waste water system. The WWCP panel is connected to a VETUS level sensor (type WSENSORA or SENSORA) and indicates the content level in the tank using LED's. It will ignore brief maximum level peaks caused by boat movements.

Panel Dimensions: 85 x 85mm

Built in depth 40mm

12/24V

Usage in standby mode 4mA, electric pump 10A max, remotely controlled ball valve 5 A max and external alarm 1A max.

Valve and level sensor are not included

Part No	Vetus	Description
56215	WWCP	Waste Water Control Panel

Windscreen Wiper Control Panel 12/24V

Control panel for up to three windscreen wipers.

This panel will control up to three switched windscreen wipers synchronously and also activate a screen wash system. The wipers can be set to run at high or low speed at one of five interval wipes and will self park when they are switched off. It is possible to connect up to three rain sensors (type MARBO2) for automatic operation of the wipers.

Dual voltage 12/24V

Dimensions control panel 85 x 85mm

Control unit 159 x 90 x 58mm

Built in depth 40mm

Part No	Vetus	Description
55743	RWPANEL2	Windscreen Wiper Control Panel

12V Screen Washer Kit

Suitable for all VETUS wiper types.

The screen washer is fed by a pressurised, portable water system. The screen washer comes with a hose, solenoid valve and switch, hose pillars, spray nozzles and skin fittings and is easy to install.

Part No	Vetus	Description
55739	HDS12B	12V Screen Washer Kit

WPANEL Windscreen Wiper Control Panel

This panel can control up to five wiper motors to run synchronously at high or low speed. Each wiper is individually switched, so you can select which wipers are operational. They also feature a combination switch for screen wash/wipe activation, speed selection and interval wipe delay. The wiper motors to be connected must have a two speed motor and an automatic parking position. It is optional to connect up to three MARBO rain sensors to the control unit. The rain sensor function can be activated by the supplied switch panel and can activate all two wipers simultaneously.

Type WPANEL is supplied with:

One control unit with electronic overload protection (can be DIN rail mounted).

Five wiper motor switches.

One combined switch for wash/wipe and speed selection.

One mounting plate with room for six switches and two blind plates.

Specifications:

Dual voltage 12/24V

Power consumption in stand by mode approx. 10 mA

Maximum power per wiper motor 120W.

Internal fuses 10 A each motor, 5 A for screen wash pump or solenoid valve.

Dimensions control panel 49 x 24 x 37.5mm

Control unit 159 x 90 x 58mm

Part No	Vetus	Description
55740	WPANEL	Windscreen Wiper Control Panel

Automatic Rain Sensor.

Activates wipers.

Dual voltage 12/24V.

Part No	Vetus	Description
55741	MARBO	Rain Sensor + Switch
55742	MARBO2	Additional Rain Sensor

HDMSW

HDMSW2

Three Position Switch

For two speed wiper motors.

Available as rotary or rocker type switch. Suitable for two-speed wiper motors RWS, DIN and HDM. Not suitable for type ORW.

Part No	Vetus	Description
55682	HDMSW	Rotary Type 7mm max panel thickness 20Amp Max switch current
55683	HDMSW2	Rocker Type 6mm max panel thickness 20Amp Max switch current

Wiper Motors Din Tapered Type + Blades
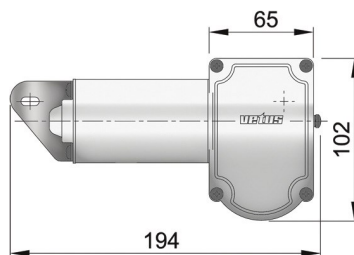
Wiper Motor with Din Tapered Ends

These high quality marine windscreen wipers feature a powerful electric motor and separate worm wheel transmission. The wiping angle may be adjusted to 8 different settings, which means that the ideal wiping pattern can be found for almost any shape and size of window. This new version is supplied with a tapered and knurled shaft end. This feature provides a stronger connection between the wiper arm and the motor drive shaft, resulting in a longer life span for both parts.

Part No	Description	Vetus
55680	Wiper Motor Cover	RWCG
55671	12V Short Spindle 25mm End	DIN1250
55672	24V Short Spindle 25mm End	DIN2425
55673	12V Long Spindle 50mm End	DIN1225
55674	24V Long Spindle 50mm End	DIN2450

RWCG

Black Coated Type

High Gloss Polished Type

Wiper Blades

Wiper blades with length of 305mm. The metal parts of the blades are made of stainless steel, either high-gloss polished or coated black. These blades will fit almost all makes and types of wiper arms with a tang of 7.2 x 2.5 mm.

Part No	Description	Vetus
55684	305mm SS Black Coated	WBB30
55685	410mm SS Black Coated	WBB41
55686	508mm SS Black Coated	WBB51
55688	305mm SS High Gloss Polished	WBS30
55689	410mm SS High Gloss Polished	WBS41
55690	508mm SS High Gloss Polished	WBS51

Black Single Arm DIN

The metal parts of this wiper arm are made of high-gloss polished stainless steel (AISI 316), and the black components are made of top-grade synthetic materials.

Part No	Description	Vetus
55708	280 - 366mm	DINPS
55709	395 - 481mm	DINPL
55710	473 - 559mm	DINPX

Black Dual Wiper Arm

Adjustable dual wiper arm. The metal parts of are made of high-gloss polished stainless steel (AISI 316) and the black components are made of top-grade synthetic materials

Part No	Description	Vetus
55697	308mm - 393mm & Taper	DINPD

Stainless 316 Single Wiper Arm Set

This very strong and durable arm is made entirely from high-gloss polished stainless steel (AISI 316). The spade connector is 7.2 x 2.5 mm.

| Part No	Description	Vetus
55705	280 - 366mm	DINSS
55706	395 - 481mm	DINSL
55707	473 - 559mm	DINSX

Stainless 316 Parallel Wiper Arm Set

These arms are made entirely from high-gloss polished stainless steel (AISI 316). Not only are they very strong and durable, but in combination with VETUS polished wiper blades, they will enhance the appearance of any boat.

Part No	Description	Vetus
55703	386 with Din Taper	DINSDX
55704	308 with Din Taper	DINSD

Wiper Motors RW Parallel Type

RWCG
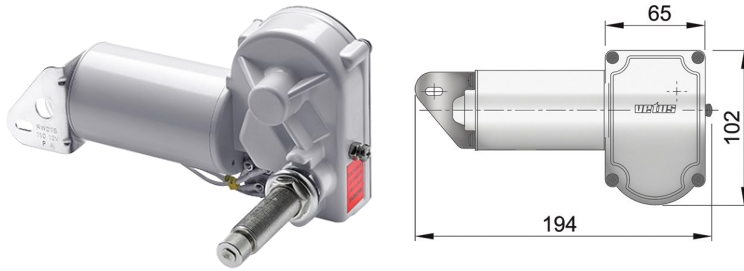
Wiper Motor with Long or Short Spindles

These high quality marine windscreen wipers feature a powerful electric motor and separate worm wheel transmission. The wiping angle may be adjusted to 8 different settings, which means that the ideal wiping pattern can be found for almost any shape and size of window. Features industry standard straight knurled shaft end (Ø16 mm, 72 teeth) for arm attachment. Can be used with single or pantograph arms.

Part No	Description	Vetus
55680	Wiper Motor Cover	RWCG
55675	12V Long Spindle 50mm	RW01A
55676	24V Long Spindle 50mm	RW02A
55677	12V Short Spindle 25mm	RW08A
55678	24V Short Spindle 25mm	RW09A

RWASET

Connection set for Vetus parallel wiper arms.

Part No	Description	Vetus
55679	Connection Set	RWASET

Black Coated Type

High Gloss Polished Type

Wiper Blades

Wiper blades with length of 305mm. The metal parts of the blades are made of stainless steel, either high-gloss polished or coated black. These blades will fit almost all makes and types of wiper arms with a tang of 7.2 x 2.5 mm.

Part No	Description	Vetus
55684	305mm SS Black Coated	WBB30
55685	410mm SS Black Coated	WBB41
55686	508mm SS Black Coated	WBB51
55688	305mm SS High Gloss Polished	WBS30
55689	410mm SS High Gloss Polished	WBS41
55690	508mm SS High Gloss Polished	WBS51

Black Single Wiper Arm

Adjustable single wiper arm. The metal parts are made of high-gloss polished stainless steel (AISI 316) and the black components are made of top-grade synthetic materials.

Part No	Description	Vetus
55692	280 - 366mm	RWAS
55693	395 - 481mm	RWAL
55694	473 - 559mm	RWAX

Black Dual Wiper Arm

Adjustable dual wiper arm. The metal parts of are made of high-gloss polished stainless steel (AISI 316) and the black components are made of top-grade synthetic materials.

Part No	Description	Vetus
55695	308 - 393mm	RWAD
55696	386 - 471mm	RWADX

Stainless 316 Single Wiper Arm

These arms are made entirely from high-gloss polished stainless steel (AISI 316). Not only are they very strong and durable, but in combination with VETUS polished wiper blades, they will enhance the appearance of any boat.

Part No	Description	Vetus
55698	280 - 366mm	SSAS
55699	395 - 481mm	SSAL
55700	473 - 559mm	SSAX

Stainless 316 Parallel Wiper Arm Set

These arms are made entirely from high-gloss polished stainless steel (AISI 316). Not only are they very strong and durable, but in combination with VETUS polished wiper blades, they will enhance the appearance of any boat.

Part No	Description	Vetus
55701	308 - 393mm	SSAD
55702	386 - 471mm	SSADX

Heavy Duty Motor Wiper Blades

Wiper blades with length of 660mm. The metal parts of the blades are made of stainless steel, either high-gloss polished or coated black. These blades will fit the HDMC series heavy duty motors.

Part No	Description	Vetus
55731	SS 316 Black	WBB66H
55732	SS 316 High Gloss	WBS66H

Heavy Duty Motor Wiper Arms

316 SS Wiper Arm

High quality, high gloss polished stainless steel parallel arm system for the HDM series Heavy Duty Vetus Wiper Motor. Suitable for Vetus blade type WBB66 or WBS66.

Part No	Description	Vetus
55734	508mm	SHDA500
55735	762mm	SHDA760

Wiper type ORW12SET

Supplied as a complete set comprising motor, arm and blade.

The arm is adjustable from 280 to 366mm. The motor is self parking, has a single speed and a wiping angle of 80° or 110°. The wiper blade is made of black synthetic and fits also other makes of wiper arms with a 7,2 x 2,5mm bayonet. Type ORW12SET meets all the EMC requirements.

12V

Max current consumption 2A

Max panel thickness 20mm

Blade length 305mm

Part No	Description	Vetus
55714	Wiper Motor Set 12V	ORW12SET
55175	Spare Blade	ORW12BL

Heating Element type WHEL

Adjustable thermostat (40-80°C.) Male thread size, ISO 228/1 G1 1/4. Screw in length of the element is 300mm.

500 Watt 230 VDC

1000 Watt 120 VDC

1000 Watt 230 VDC

1500 Watt 230 VDC

VETUS heating elements type WHEL meet the low voltage requirements.

Part No	Description	Vetus
56295	500watt 230VDC	WHEL22500
56293	1000watt 230VDC	WHEL220
56296	1000watt 120VDC	WHEL110
56294	1500watt 230VDC	WHEL1500

SHAKESPEARE HELICAL VHF ANTENNAS

HA156C HELIFLEX

Lightweight, low windage, compact helical VHF antenna for short range communications.

A favourite for racing yachts and sports boats.

Integral aluminium masthead mounting bracket.

Part No: 71010	
Cable Included	20m RG58
Connector Included	PL-259 Connector
Antenna Length	0.15m (0.5ft)
Gain	1 dB

Suitable for: Sailing Boat, Ribs & Motor Boats

5912 RUBBER DUCK

Lightweight, low windage, compact helical VHF antenna for short range communications.

Ideal for emergency or temporary installations and particularly suitable for cabin or console tops.

Attaches and detaches with ease using supplied flush mounting kit.

Part No: 71451	
Cable Included	X
Connector Included	Gold Plated Connectors
Antenna Length	0.18m (0.6ft)
Gain	1 dB

Suitable for: Sailing Boat, Ribs & Motor Boats

MD23 SHORT HELICAL ANTENNA

Low profile

Low windage

Unobtrusive

Does not require ground plane

Over-moulded helical

150mm aluminium bracket

Fitted with integral 'N' jack to allow detachable cable

Part No: 71035	
Cable Included	X
Connector Included	X
Antenna Length	0.3m (1ft)
Gain	1 dB

Suitable for: Sailing Boat, Ribs & Motor Boats

SHAKESPEARE STAINLESS STEEL VHF ANTENNAS

YHK HAWK™

Stainless steel whip VHF antenna with 'Hawk' windex for sail boats.

Unique solderless watertight masthead connector system for easy installation and dismounting.

Lightweight - 0.15 kilo with bracket.

Includes 180mm flat masthead nylon mounting bracket.

Part No: 71000	
Cable Included	20m RG58
Connector Included	PL-259 Connector
Antenna Length	0.9m (3ft)
Gain	3 dB

Suitable for: Sailing Boat

YWX WHIPFLEX™

Stainless steel whip VHF antenna for sail boats.

Unique solderless watertight masthead connector system for easy installation and dismounting.
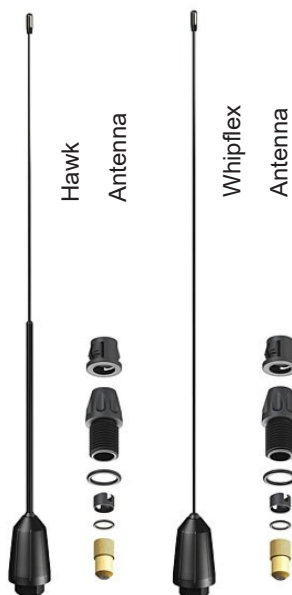
Lightweight - 0.15 kilo with bracket

Includes 180mm cranked masthead nylon mounting bracket

Part No: 71005	
Cable Included	20m RG58
Connector Included	PL-259 Connector
Antenna Length	0.9m (3ft)
Gain	3 dB

Suitable for: Sailing Boat & Ribs

Hawk Antenna

Whipflex Antenna

Hawk Wind Indicator Kit

Spare Antennas

Antennas include connector

Part No	Description
71370	YHA Hawk antenna only
71375	YWA Whipflex antenna only
71385	YHI Hawk wind indicator kit

With reflecting material on the vanes. Consists of one moving part and two fixed vanes of stainless steel. With mounting instructions.

Part No	Description
71449	Windex Dinghy 10"
71450	Windex 15"
71448	Windex XL 22"

SHAKESPEARE STAINLESS STEEL VHF ANTENNAS

5215 SQUATTY BODY®

Stainless steel whip VHF antenna for sail boats.

Lightweight and low profile.

Removable whip.

Sealed, tin-plated copper wire coil.

Part No: 71452	
Cable Included	X
Connector Included	SO-239 (UHF) in Base
Antenna Length	0.9m (3ft)
Gain	3 dB
Suitable for: Sailing Boat	

5247-A LIFT 'N' LAY

Heavy-duty stainless steel whip 'lift and lay' VHF antenna.

Ideal for sports fishing boats and smaller power boats.

Simple to set up and lay down, ensuring the antenna does not obstruct when fishing or storing the boat.

Sealed, tin-plated copper wire coil.

Part No: 71453	
Cable Included	X
Connector Included	SO-239 (UHF) in Base
Antenna Length	0.9m (3ft)
Gain	3 dB
Suitable for: Ribs, Motor Boats & Fishing Boats.	

5216

Lightweight, black stainless steel VHF antenna for short range communications

Ideal for sports sailing boats

Gold plated connector

'L' bracket for mast top mounting

Part No: 71454	
Cable Included	X
Connector Included	Gold Plated Connector
Antenna Length	0.3m (1ft)
Gain	1 dB
Suitable for: Sailing Boats	

Electrical

SHAKESPEARE STAINLESS STEEL VHF ANTENNAS

5250 SKINNY MINI ™

Compact, lightweight, stainless steel whip VHF antenna.

Ideal for small power boats.

Sealed, tin-plated copper wire coil.

Requires a mount with centre hole for cable.

Suggested mounts: 4187, 5187, 4188-S or 4190

Chromed brass ferrule.

Part No: 71455

Cable Included	4.5m RG58
Connector Included	PL-259 PLUG
Antenna Length	0.9m (3ft)
Gain	3 dB

Suitable for: Ribs & Motor Boats

5241-R

Heavy duty stainless steel whip VHF antenna.

Ideal for fast sports boats, RIBs and small fishing boats.

Whip is user replaceable.

Requires a mount with centre hole for cable.

Chromed brass ferrule.

Part No: 71456

Cable Included	4.5m RG58
Connector Included	PL-259 PLUG
Antenna Length	0.9m (3ft)
Gain	3 dB

Suitable for: Ribs & Motor Boats

YRR RIB RAIDER ™

Designed specifically for RIBs.

Short helical design to avoid snagging and excessive whip action.

Solderless connector system.

Integral black bracket with mounting holes.

Part No: 71145

Cable Included	6m RG58
Connector Included	PL-259 PLUG
Antenna Length	0.48m (1.6ft)
Gain	3 dB

Suitable for: Ribs

5911 THE STOWAWAY ™

Short VHF whip antenna with flexible outer covering.

Ideal as a temporary, spare or emergency antenna.

Rubber suction cup for easy mounting.

Velcro storage strips included.

Packed in a 50cm, weather resistant, retail plastic tube.

Part No: 71457

Cable Included	3.6m RG58
Connector Included	PL-259 PLUG
Antenna Length	0.25m (0.8ft)
Gain	1 dB

Suitable for: Sailing Boats, Ribs & Motor Boats

SL 156 SHORELINK ™

Emergency VHF antenna for instant set up if your main antenna becomes broken or disabled.

Sealed in a waterproof 24cm weather resistant plastic tube.

Stored easily on bulkhead or in flare pack.

6m of miniature coaxial cable (RG-174) with PL-259 connector fitted.

Compulsory for R.O.R.C. racing.

Part No: 71020

Cable Included	6m RG-174
Connector Included	PL-259 PLUG
Antenna Length	0.4m (1.3ft)
Gain	1 dB

Suitable for: Sailing Boats, Ribs & Motor Boats

SHAKESPEARE STAINLESS STEEL VHF ANTENNAS

MD20

Rugged Stainless Steel Whip Antenna.

Stainless steel whip.

Lightweight (0.2kg).

Low windage.

180mm cranked nylon bracket for mast-head mounting.

Watertight, strong construction.

Part No: 71025

Cable Included	20m RG58
Connector Included	PL-259 PLUG
Antenna Length	0.9m (3ft)
Gain	3 dB

Suitable for: Sailing Boats, Ribs, Motor Boats & Fishing Boats

MD20N

Rugged Stainless Steel Whip Antenna.

Stainless steel whip.

Lightweight.

Low windage.

200mm braced aluminium bracket for masthead mounting.

Watertight, strong construction.

Fitted with integral 'N' jack to allow detachable cable.

Part No: 71030

Cable Included	X
Connector Included	N Type Jack
Antenna Length	0.9m (3ft)
Gain	3 dB

Suitable for: Sailing Boats, Ribs, Motor Boats & Fishing Boats

SHAKESPEARE FIBREGLASS VHF ANTENNAS

426-N

White fibreglass VHF antenna.

Designed for high speed sports boats and RIBs working in rough conditions.

Quality copper cable elements for good range and efficiency.

Nylon ferrule.

Part No: 71458

Cable Included	4.5m RG58
Connector Included	PL-259 PLUG
Antenna Length	1.2m (4ft)
Gain	3 dB

Suitable for: Sailing Boats, Ribs, Motor Boats & Fishing Boats

5104 CENTENNIAL ®

Durable, smooth, white fibreglass VHF antenna with polyurethane finish that will not yellow in the sun. A good looking and superb value antenna, ideal for power and work boats.

Brass and copper elements for extra performance.

Chromed brass ferrule.

Part No: 71459

Cable Included	4.5m RG58
Connector Included	PL-259 PLUG
Antenna Length	1.2m (4ft)
Gain	3 dB

Suitable for: Sailing Boats, Ribs, Motor Boats & Fishing Boats

SHAKESPEARE FIBREGLASS VHF ANTENNAS

5400-XT LITTLE GIANT™

Heavy-duty, high gloss, smooth Galaxy White fibreglass VHF antenna with polyurethane finish that will not yellow in the sun.

Centre-fed 1⁄2 wave coaxial sleeve.

An outstanding, heavy-duty antenna, ideal for power boats, work and fishing boats operating in all types of conditions.

Brass and copper elements to maximise range and performance.

Matches 5420-XT / 5421-XT AM/FM antennas.

Stainless steel ferrule.

Part No: 71460 WHITE

Part No: 71461 BLACK

Cable Included	6m RG-8x Ultra Loss
Connector Included	PL-259 PLUG
Antenna Length	1.2m (4ft)
Gain	3 dB

Suitable for: Sailing Boats, Ribs, Motor Boats & Fishing Boats

5400-XP

Heavy-duty, high gloss, smooth Galaxy white fibreglass VHF antenna with polyurethane finish that will not yellow in the sun.

"Silver Series" (extends transmit/receive performance).

Centre-fed 1⁄2 wave coaxial sleeve.

Exceptionally efficient performing heavy-duty antenna, ideal for serious power boat, work and fishing boat operators in all types of conditions. Stranded high quality tinned copper inner conductor maximises signal strength, combined with the copper and silver plated brass elements that will extend performance and life.

Stainless steel ferrule.

Part No: 71462 WHITE

Cable Included	6m RG-8x Ultra Loss
Connector Included	PL-259 PLUG
Antenna Length	1.2m (4ft)
Gain	3 dB

Suitable for: Sailing Boats, Ribs, Motor Boats & Fishing Boats

427-N & 427-N KIT

Durable smooth gloss finished white fibreglass VHF antenna.

Very good value, this antenna is ideal for power and work boats.

Brass and copper elements for extra performance.

Matches 5350-N AM/FM antenna.

Nylon ferrule.

N Kit comes with 4186 nylon ratchet mount supplied and packaged in a box.

Part No: 71040 (427-N)

Part No: 71050 (427-N Kit)

Cable Included	6m RG58
Connector Included	PL-259 PLUG
Antenna Length	1.5m (5ft)
Gain	3 dB

Suitable for: Ribs, Motor Boats & Fishing Boats

427-S

Durable smooth gloss finished white fibreglass VHF antenna.

A very good looking antenna, ideal for power and work boats.

Brass and copper elements for extra performance.

Matches 5350-S AM/FM antenna.

Stainless steel ferrule.

Part No: 71045

Cable Included	6m RG58
Connector Included	PL-259 PLUG
Antenna Length	1.5m (5ft)
Gain	3 dB

Suitable for: Ribs, Motor Boats & Fishing Boats

SHAKESPEARE FIBREGLASS VHF ANTENNAS

SHAKESPEARE AIS ANTENNAS

5101-S

Durable, smooth, white gloss fibreglass VHF antenna.

Good looking and excellent value, ideal for power and work boats.

Brass and copper elements for extra performance.

Twin to 5120-S AM/FM antennas.

Stainless steel ferrule.

Part No: 71055

Cable Included	6m RG58
Connector Included	PL-259 PLUG
Antenna Length	2.4m (8ft)
Gain	6 dB

Suitable for: Ribs, Motor Boats & Fishing Boats

1 AIS-MAST

Stainless Steel AIS Masthead Antenna.

Stainless steel whip.

Lightweight.

Low windage.

180mm nylon cranked bracket for masthead mounting.

Watertight strong construction.

Part No: 71175

Cable Included	20m RG58
Connector Included	PL-259 PLUG
Antenna Length	0.9m (3ft)
Gain	3 dB

Suitable for: Sailing Boats, Ribs & Motor Boats

SHAKESPEARE AIS ANTENNAS

HA 156C-AIS

Lightweight, low windage, compact helical AIS antenna.

A favourite for racing yachts and sports boats.

Integral aluminium mounting bracket.

Part No: 71463

Cable Included	20m RG58
Connector Included	PL-259 PLUG
Antenna Length	0.15m (1ft)
Gain	1 dB

Suitable for: Sailing Boats, Ribs & Motor Boats

MD 23-AIS (MD23N)

Extra heavy-duty helical AIS antenna for short range communications.

Ideal for sail and power boats to withstand the most rugged conditions.

Watertight, strong, lightweight (0.3kg) construction.

Electronics are sealed in epoxy for additional protection.

Supplied with 180mm aluminium bracket.

Part No: 71464

Cable Included	20m RG58
Connector Included	PL-259 PLUG
Antenna Length	0.3m (1ft)
Gain	1 dB

Suitable for: Sailing Boats, Ribs & Motor Boats

SHAKESPEARE AM / FM ANTENNA & SPEAKERS

5350-N

AM/FM fibreglass antenna with polycarbonate ferrule.

White tapered fibreglass tube.

White polycarbonate ferrule.

1" X 14 TPI thread.

Part No: 71070

Cable Included	4.6m RG-62
Connector Included	Motorola PLUG
Antenna Length	1.5m (5ft)
Gain	X
Suitable for: Sailing Boats, Ribs & Motor Boats	

ES-2

6cm external speaker with Mylar cone in a compact white housing.

4 ohm speaker, 5 watts (RMS) input.

Rachet action mounting bracket.

1.8m cable and 3.5mm phono plug.

Part No: 71479

WS200-P

Weatherproof Deck Watch Loud Speaker.

Can be surface or flush mounted.

UV Resistant ABS construction.

Can be used on 4 or 8 ohm systems.

Overall diameter 14cm depth 5cm.

Hole diameter of 11.6cm for flush mounting.

Output 5 watts Impedance 8 ohms.

Weight 0.3 kilo

Blister packed

Part No: 71185

ES-4

10cm deluxe speaker with Mylar cone in white plastic case for protection against moisture.

4 ohm speaker, 8 watts (RMS) input.

Swivel mounting bracket.

1.8m cable with 3.5mm phono plug.

Part No: 71480

HS-5

External Horn Speaker.

12.7cm white plastic horn speaker.

4 ohm speaker, 15 watts (RMS) input.

Part No: 71478

4357-S

VHF to AM/FM converter.

For use with VHF antennas where a separate AM/FM antenna is not practical.

Ideal for sail boat applications.

Does not affect or interfere with the VHF performance.

3m RG-62 cable with Motorola plug (attached) plus 0.9m RG-58 cable for connection to VHF.

Part No: 71080

SHAKESPEARE AM / FM ANTENNA & ACCESSORIES

ART 2 VHF TEST METER

Test receiver function

Output power and VSWR (antenna efficiency)

Internal battery or 12 DC

PL259 (UHF) type connectors

Part No: 71443

AS-2 VHF AUTOMATIC SWITCH

This automatic switch toggles two radios to one antenna. When you key the microphone on one of the radios, it switches the antenna to it… automatically. The radio stays locked onto the antenna until the automatic switch detects a transmit from the other radio. Easy!

Specifications:
Frequency Range: up to 600 MHz
VSWR: Below 1.2:1
Power Rating: 30 W
Impedance: 50 ohms
Connections: SO-239 type
Power Supply: 12 vDC @ 200 ma
Sensing/Switching Time: Less than 100 ms

Part No: 71468

MAST EXTENSIONS

Heavy-duty stainless steel extension mast with standard 1″-14 thread male and female fittings.

Part No	Description
71469	6" (15cm) 4700
71470	12" (30cm) 4700-1
71471	24" (60cm) 4700-2

4716 STAND OFF BRACKET

80mm black nylon with 1" X 14 TPI adaptor. 16mm hole.

Part No: 71191

4717 MAST TOP BRACKET

180mm to hole centre.

16mm dia hole.

Part No: 71192

YBR Right Angled Bracket

Black Aluminium.
16mm mounting hole.

Part No: 71193

ADAPT1
M16 Thread to 1" X 14 TPI

Part No: 71441
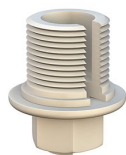
ADAPT2
1" X 14 TPI to M16 Thread

Part No: 71442

ADAPT3: Adapts SO-239 (UHF) male to 1" x 14 TPI female thread (chrome plated brass) - (converts 5215 & 5247 antennas to 1" x 14 TPI)

Part No: 71466
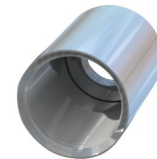
ADAPT4: Adapts M16 male to 1" x 14bTPI female thread - (converts YRR, YWX, YHK antennas to 1" x 14 TPI)

Part No: 71467

DECK PLUG & SOCKET
Deck plug and socket with 'N' type connector, shroud and screws. Available to suit RG58 (ACC105) or RG213 (ACC106) cable.

Cable Type	Part No
RG58	71190 (ACC105)
RG213	71195 (ACC106)

ACC156 BNC JACK AND PLUG & RG-58 SHROUD KIT
Contains:
1x BNC Plug
1x BNC Jack
2x RG-58 Shrouds

Part No	Shakespeare
71250	ACC156

SHAKESPEARE ACCESSORIES & MOUNTS

Cable Splicer for RG58

The easy way to join or splice RG58 cable. No measuring, no stripping, no soldering!

Part No	Shakespeare
71265	PL-258-CP-G

CENTERPIN PL-259-CP-G SERIES

For RG-58 A/U, and RG-8/X coaxial cable. For installing a PL-259 connector. No soldering or pairing back

Part No	Shakespeare
71472	PL-259-CP-G

Solderless Cable Termination Kit

All the spare parts used for solderless terminations on the Hawk, Whipflex and Raider

Part No	Shakespeare
71270	ACC158

N Type Plug

RG58

ACC140

Part No	71225

N Type Jack

RG58

ACC142

Part No	71230

N Type Plug

RG213

ACC144

Part No	71235

UHF Plug

RG58

ACC148

PL259-58-G

Part No	71240

UHF Plug

RG213

PL-259-G

Part No	71245

BNC PLUG

RG58

ACC154

Part No	71255

BNC JACK

RG58

ACC155

Part No	71260

BNC Kit

A6 -100

Part No	71637

PL259/5 Plug

A6 -104

Part No	71638

UHF (PL259) Inline Adaptor

Accepts two male PL259 plugs

A6-109

Part No	71639

Deck Connectors

Available with either 'N' type or UHF type connectors to suit RG58 or RG213 cable. Complete with rubber gasket and protection caps.

Connector	Cable	Part No	Shakespeare
N type	RG58	71210	ACC130
N type	RG213	71215	ACC133
UHF	RG58 / RG213	71220	ACC135

ACC108 Thru Deck Gland

Thru deck gland for RG-58 and RG-213 cable complete with stainless steel screws.

Blister packed

Part No	71200

RG58 COAXIAL CABLE

8 and 20m packs include solderless cable termination and UHF (PL259) plug.

Description	Part No
8m RG58 with connectors	71430
20m RG58 with connectors	71435
100m RG58 only	71440

4187 S/STEEL RATCHET MOUNT

4 way swivel mount.

For deck or side mounting.

Quick release lever allows antenna fold-down.

Suitable for all powerboat antennas.

Part No:	71085

4186 NYLON RATCHET MOUNT

4 way swivel mount.

For deck or side mounting.

Quick release lever allows antenna fold-down.

Made from UV resistant white nylon.

Not for use with antennas longer than 2.4m.

Part No:	71090

5187 S/STEEL RATCHET MOUNT

Nutless, streamlined design.

4 way swivel mounting.

Quick release lever allows antenna fold-down.

Highly polished finish.

Suitable for all powerboat antennas.

Part No:	71095

4710 S/STEEL 25MM FLANGE MOUNT

Heavy duty 25mm (1") high mount.

70mm (2 3/4") diameter base.

Ideal for GPS, marine TV and fibreglass antennas up to 1.5m long.

Part No:	71125

4711 NYLON 25MM FLANGE MOUNT

White nylon 25mm (1") high mount.

70mm (2 3/4") diameter base.

Suitable for moderate duty applications.

Part No:	71130

4365 S/STEEL 110MM FLANGE MOUNT

Sturdy, 100mm (4") high mount .

75mm (3") base.

Ideal for fitting to radar arches.

Excellent for GPS and marine TV antennas.

Part No:	71120

4190 RAIL RATCHET MOUNT

Ratchet action for antenna fold down.

Easy installation on 22mm (7/8") and 25mm (1") vertical or horizontal rails.

Not for use with antennas longer than 2.4m.

Part No:	71100

4722 PLASTIC RAIL MOUNT

Fits 22mm (7/8") and 25mm (1") horizontal rails.

Incorporates slot for cable.

Complete with adaptor, rubber gasket and hexagon key.

Ideal for GPS antennas.

Made from durable white nylon.

Part No:	71115

4721 NYLON RAIL MOUNT

Ratchet action for antenna fold down.

Easy installation on 22mm (7/8") and 25mm (1") vertical or horizontal rails.

Complete with rubber gasket.

Made from durable, white nylon.

Part No:	71105

4720 S/STEEL RAIL MOUNT

Clever design allows a neat fit to 22mm (7/8"), 25mm (1") and 32mm (1 1/4") square or round rails.

For vertical or horizontal rails.

Can also be mounted on flat surfaces.

Complete with nylon adaptors.

Part No:	71110

SHAKESPEARE TV & CELLUAR ANTENNAS

SA-HDTV-MAR8 AnyWhere Marine HDTV 8"

203H x 110W mm (8" x 4.3") Omni Directional HDTV antenna (with built-in LTE filter).

Newly designed using the latest TV technologies.

Compact, lightweight, weatherproof HDTV antenna. Comes with built in high gain, low noise amplifier and LTE filter. Ideal for small power boats and sail boats.

Includes amplifier gain control unit.

10m 75 Ohm RG59 cable with 2 x F connectors + IEC to F connector.

1.5m adapt cable fitted with F plug to IEC •Power 12/24V DC - AC/DC power adaptor (UK/EURO) included.

Receiving range FM/VHF/UHF (VHF:87-230MHz UHF: 470-862).

Gain: 30dB / Noise figure: 3dB.

Max. output level: 110 dBμV / Impedance: 75Ω.

Outputs: x 2 TV's.

Fits to standard 1"-14 threaded mount.

Part No	71474

Omni Directional HDTV antenna (with built-in LTE filter)

Newly designed using the latest TV technologies.

Compact, lightweight, white ASA, weatherproof HDTV antenna. Comes with built in high gain, low noise amplifier and LTE filter. Ideal for small power boats and sail boats.

Includes amplifier gain control unit.

25m 75 Ohm RG59 cable with 2 x F connectors + IEC to F connector.

1.5m adapt cable fitted with F plug to IEC.

Power 12/24V DC - AC/DC power adaptor (UK/EURO) included.

Receiving range FM/VHF/UHF (VHF:87-230MHz UHF: 470-862).

Gain: 30dB / Noise figure: 3dB.

Max. output level: 110 dBμV / Impedance: 75Ω.

Outputs: x 2 TV's.

Fits to 1"-14 threaded mount.

Part No	Description
71475	SA-HDTV-MAR10 AnyWhere Marine HDTV 10'
71476	SA-HDTV-MAR14 AnyWhere Marine HDTV 14'

9.25" (.23m) World Band Cellular Antenna

The Galaxy 5239 antenna is our smallest Galaxy antenna, but don't let the size fool you. This World-band antenna provides coverage for 2G/3G/4G and WLAN systems for Cellular, PCS, AWS and LTE frequencies, as well as 802.11n Wi-Fi. This compact, feature rich antenna is at home on virtually any watercraft, and is fitted with a stainless steel ferrule and N-connector that are compatible with nearly all Shakespeare 1" -14 threaded mounts.

Full Band (698 – 2700 MHz) Broadband

2G/3G/4G and WLAN systems

Wi-Fi 802.11n compatible

Designed for marine use

Omni-directional antenna 3-4 dB Gain

Easy to install

Part No:	71477

Cutlass Bearings

Precision ground inside and outside. Large range of sizes kept in stock. Nitrile Liner. Outstanding abrasion resistance. Excellent for water lubrication. Good noise damping. More tolerant of misalignment. Allow greater deflection
Shell- Brass Shell (standard naval brass)- tough and durable

Imperial Shaft - Imperial Outer Diameter - Imperial length

Part No	Description	Inner Diameter Inches	Outer Diameter Inches	Length Inches	Part No	Description	Inner Diameter Inches	Outer Diameter Inches	Length Inches
96600	Brass Shell Bearing	3/4"	1 1/4"	3"	96613	Brass Shell Bearing	1 1/4"	1 3/4"	5"
96601	Brass Shell Bearing	7/8"	1 3/8"	3 1/2"	96614	Brass Shell Bearing	1 1/4 "	1 5/8"	5"
96602	Brass Shell Bearing	7/8"	1 1/4"	3 1/2"	96615	Brass Shell Bearing	1 1/4"	2"	5"
96603	Brass Shell Bearing	7/8"	1 1/2"	3 1/2"	96616	Brass Shell Bearing	1 1/4"	2 1/8"	5"
96604	Brass Shell Bearing	1"	1 1/2"	4"	96617	Brass Shell Bearing	1 3/8"	1 7/8"	5 1/2"
96605	Brass Shell Bearing	1"	1 1/4"	4"	96618	Brass Shell Bearing	1 1/2"	2"	6"
96606	Brass Shell Bearing	1"	1 3/8"	4"	96619	Brass Shell Bearing	1 3/4"	2 3/8"	7"
96607	Brass Shell Bearing	1"	1 5/8"	4"	96620	Brass Shell Bearing	2"	2 5/8"	8"
96608	Brass Shell Bearing	1"	2"	4"	96621	Brass Shell Bearing	2"	2 3/4"	8"
96609	Brass Shell Bearing	1 1/8"	1 5/8"	4 1/2"	96622	Brass Shell Bearing	2 1/4"	2 15/16"	9"
96610	Brass Shell Bearing	1 1/8"	1 1/2"	4 1/2"	96623	Brass Shell Bearing	2 1/2"	3"	10"
96611	Brass Shell Bearing	1 1/8"	1 3/4"	4 1/2"	96624	Brass Shell Bearing	3 1/4"	4"	13"
96612	Brass Shell Bearing	1 1/8"	2"	4 1/2"					

Metric Shaft - Imperial Outer Diameter - Metric Length

Part No	Description	Inner Diameter mm	Outer Diameter Inches	Length mm
96625	Brass Shell Bearing	25mm	1 1/2"	100mm
96626	Brass Shell Bearing	25mm	1 3/8"	100mm
96627	Brass Shell Bearing	28mm	1 5/8"	112mm
96628	Brass Shell Bearing	30mm	1 3/4"	120mm
96629	Brass Shell Bearing	35mm	1 7/8"	140mm
96630	Brass Shell Bearing	40mm	2 1/8"	160mm
96631	Brass Shell Bearing	50mm	2 5/8"	200mm

Metric Shaft - Metric Outer Diameter - Metric Length

Part No	Description	Inner Diameter mm	Outer Diameter mm	Length mm
96632	Brass Shell Bearing	20mm	35mm	80mm
96633	Brass Shell Bearing	22mm	35mm	88mm
96634	Brass Shell Bearing	25mm	40mm	100mm
96635	Brass Shell Bearing	30mm	45mm	120mm
96636	Brass Shell Bearing	32mm	45mm	128mm
96637	Brass Shell Bearing	35mm	50mm	140mm
96638	Brass Shell Bearing	40mm	55mm	160mm
96639	Brass Shell Bearing	45mm	65mm	180mm
96640	Brass Shell Bearing	50mm	70mm	200mm

Vetus cutlass bearings with brass outer bushing and polyurethane-rubber lining.

Part No	Vetus Code	Inner Diameter	Outer Diameter	Length
57804	RULAG1	1"	1 1/2"	4"
57805	RULAG11/8	1 1/8"	1 5/8"	4 1/2"
57806	RULAG11/4	1 1/4"	1 3/4"	5"
57807	RULAG13/8	1 3/8"	1 7/8"	5 1/2"
57808	RULAG11/2	1 1/2"	2"	6"
57809	RULAGER25	25mm	1 1/2"	100mm
57810	RL2540	25mm	40mm	100mm
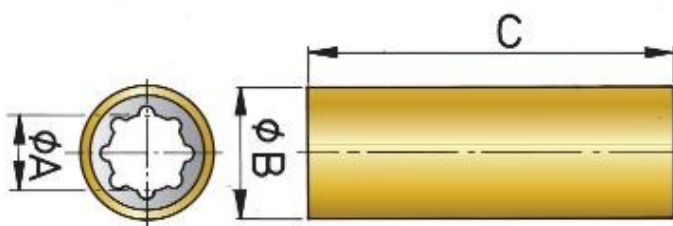
Metric Shaft - Imperial Outer Diameter - Metric length

Part No	Description	Inner Diameter mm	Outer Diameter Inches	Length mm
96641	Phenolic Shell	25mm	1 1/2"	100mm
96642	Phenolic Shell	35mm	1 7/8"	140mm

Metric Shaft - Metric Outer Diameter - Metric length

Part No	Description	Inner Diameter mm	Outer Diameter mm	Length mm
96643	Phenolic Shell	25mm	40mm	100mm
96644	Phenolic Shell	30mm	45mm	120mm
96645	Phenolic Shell	35mm	50mm	140mm

A lightweight paper wound Phenolic resin shell avoids the problem of galvanic corrosion and is suitable for metal stern tubes. These bearings do not possess the structural stability of metals and have a shorter operational life. They swell slightly when immersed in water and are therefore machined to tolerances to accommodate this.
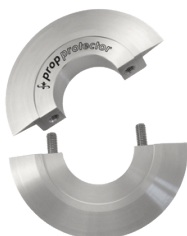
prop protector
INSTALL SOME PEACE OF MIND, FIT A PROP PROTECTOR

Suitable for commercial and leisure vessels.

Part No	Description
91590	Slide On 25mm
91591	Clamp On 25mm
91592	Slide On 30mm
91593	Clamp On 30mm
91594	Slide On 40mm
91595	Clamp On 40mm
91596	Slide On 1"
91597	Clamp On 1"
91598	Slide On 1 1/4"
91599	Slide On 1 1/2"

The Prop Protector is a simple shaft driven rope cutter, rotating with the shaft and instantly cutting any rope, weed or debris picked up or snagged by the propeller. Manufactured from high grade (316) Stainless Steel, the Prop Protector is easy to install - fully installed in minutes - with your boat out of the water or between tides. The clamp-on version can even be fitted by a diver if underwater installation is required. The **Prop Protector** sits on the shaft, between the propeller hub and the stern bearing, waiting to cut anything that threatens to entangle it. There are no moving parts to fail - just a razor sharp marine grade stainless steel blade - ready to slice through most marine debris. Available to suit shaft sizes 20mm (¾ in) to 130mm (5 in). Prop Protectors can be fitted to a wide range of boats (yachts, motor cruisers, fishing vessels, barges etc), and are available in two models, the Clamp-On & the Slide-On.

Manufactured from high grade (BS970-316) Stainless Steel.
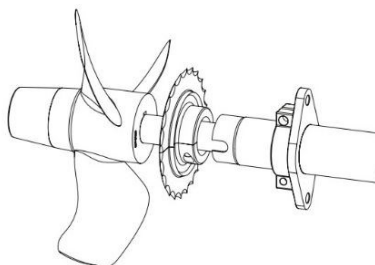
vetus

Rope Cutter

Designed to stop ropes jamming between the cutlass bearing and the propeller. The Vetus rope cutter (VRC) is a circular AISI Type 316 stainless steel saw blade positioned behind the propeller. It is made up 2 parts and is suitable for 25mm or 30mm propeller shafts. Includes both halves of the disc and nuts and bolts.

Part No	Vetus	Description
57660	VRC25	25mm Shaft (115 x 25mm Main Dimensions)
57661	VRC30	30mm Shaft (115 x 30mm Main Dimensions)

Stern Gland Packing

Quality yarn impregnated with petroleum jelly and coated with flake graphite.

Sold in 1m cut lengths. The maximum complete length of any one size 8m.

	Part No
Size	1 Metre
1/4" (6mm)	91740
5/16" (8mm)	91741
3/8" (10mm)	91742

Stern Gland Lubricator

Brass lubricator for stern tubes, rudder bearings etc. Bulkhead or floor mounted.

Capacity: 150ml, Outlet 1/8" BSP.

An accessory kit is also available which contains 2 X 1/8" BSP connectors, 1 X 1/4" BSP connector and 3m of nylon hose.

Part No	Description
91745	Brass Lubricator
91746	Accessory Kit

Grease

MORRIS LUBRICANTS

CarPlan

ROCK OIL

Morris K99 Stern Tube Grease - 500grams

This grease has outstanding water resistant qualities and is designed to form a special seal at the water interface. This grade is a high quality lead-free calcium hydroxide stearate grease with special additives to provide extreme pressure properties, improve oxidation resistance and protect against rust and corrosion. Recommended for grease filled stern tubes. Also suitable for plain and anti-friction bearings operating in very wet conditions.

Part No
91730

Aqua Slip - 500grams

Carlube Aqua Slip Grease provides high resistance to salt water corrosion and water washout in addition to allowing good shear stability over a wide temperature range. It is suitable for a wide range of marine applications including, trailer wheel bearings, stern tubes/propeller shafts, cables and pulleys etc.

Part No
63076

MPG - 500grams

Universal Marine Grease

MPG is a multi-purpose lithium based grease containing zinc oxide additive to repel moisture making it particularly suitable for use in marine outboard and inboard engines. Also ideal for use in boat trailer hubs and stern tubes.

Part No	Description
91761	MPG Grease 500grm

Mechanical engine remote controls

All remote controls (except type AFST) have a neutral safety switch as standard, which prevents the engine from being started when the gearbox is engaged. Controls which are shown with a red knob are also supplied with a black knob as standard.

With stainless steel (AISI 316) handle and housing. Vetus single lever remote control for side mounting. The push-pull cables can be installed horizontally or vertically.

SISCO   **SISCOG**

Part No	Vetus	Length (mm)	Width (mm)	Height (mm)	Handle length from centre (mm)	Mechanism depth from centre (mm)
57098	SISCO	142	122	85	200	243
57090	SISCOG	142	122	85	200	243
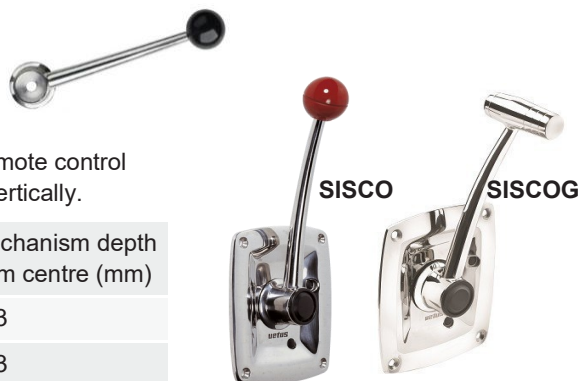
With stainless steel (AISI316) handle and synthetic housing.

Vetus single lever remote control for side mounting.

SICO   **SICOG**

Part No	Vetus	Length (mm)	Width (mm)	Height (mm)	Handle length from centre (mm)	Mechanism depth from centre (mm)
57105	SICO	147	127	85	200	243
57091	SICOG	147	127	85	200	243

With high-gloss polished stainless steel (AISI316) handle and housing.

Vetus single lever remote control for top mounting.

Part No	Vetus	Length (mm)	Width (mm)	Height (mm)	Handle length from centre (mm)	Mechanism depth from centre (mm)
57102	RCTOPS	162	104	237	200	208
57092	RCTOPSG	162	104	237	200	208

RCTOPS   **RCTOPSG**

With high-gloss polished stainless steel (AISI316) handles and housing.

Vetus twin lever remote control for top mounting.

Part No	Vetus	Length (mm)	Width (mm)	Height (mm)	Handle length from centre (mm)	Mechanism depth from centre (mm)
57103	RCTOPTS	162	200	237	200	208
57093	RCTOPTSG	162	200	237	200	208

RCTOPTS   **RCTOPTSG**

With cast aluminum housing and stainless steel (AISI 316) handles.

VETUS twin lever remote control for top mounting.

Part No	Vetus	Length (mm)	Width (mm)	Height (mm)	Mechanism depth from centre (mm)
57108	RCTOPTB	162	200	237	208
57094	RCTOPTBG	162	200	237	208

RCTOPTB   **RCTOPTBG**

With cast aluminum housing and stainless steel (AISI 316) handles.

VETUS single lever remote control for top mounting.

Part No	Vetus	Length (mm)	Width (mm)	Height (mm)	Mechanism depth from centre (mm)
57107	RCTOPB	162	104	237	208
57095	RCTOPBG	162	104	237	208

RCTOPB   **RCTOPBG**

Type AFSTTOPT

Vetus twin lever control for top mounting with synthetic housing and handle. Top mounting for twin engines.

Type AFSTTOP

Vetus single lever control for top mounting with synthetic housing and handle. Top mounting for single engine.

Part No	Vetus	Length (mm)	Width (mm)	Height (mm)
57114	AFSTTOPT	154	208	238
57113	AFSTTOP	154	118	238

AFSTTOPT   **AFSTTOP**

Type AFSTZIJ

This side mount engine control can be used with mechanically controlled engines from 12 - 110 hp. The AFSTZIJ should be mounted in reach of the vessel's helm on either port or starboard side.

The mechanical part of the lever is made of painted zinc, finished with a synthetic housing and an ergonomically shaped rubber grip. The AFSTZIJ works with 33c Edge Control Cables and features an integrated safety mechanism to protect the transmission. The gearbox can only be shifted at idling speed. The AFTZIJ is the ideal engine control for sailing boats.

Part No	Vetus	Length (mm)	Width (mm)	Height (mm)
57112	AFSTZIJ	138	110	78

AFSTZIJ

Ultraflex B183 Single Lever Control Box

Single lever / dual action control to operate both throttle and shift.

Suitable for any type of boats with outboard- inboard or I/O power plants.

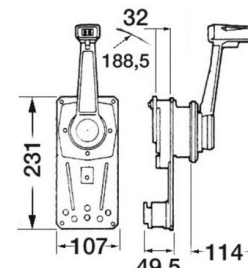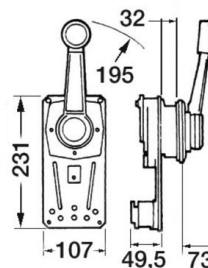The lever assembly is made of painted marine aluminium.

Compatible with 33c cables.

Part No	Description
49020	Ultraflex B183 Single Lever Control

Ultraflex B85 Single Lever Control Box

The Ultraflex B85 is a single lever / dual action control to operate both throttle and shift. Suitable for any type of boat with outboard, inboard or I/O engines.

Features on the B85 enable easy and safe shifting by preventing accidental gear engagement unless engine is idling and can be installed horizontally or vertically, on either the starboard or port side of the boat.

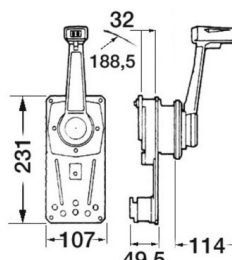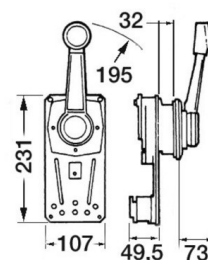The lever assembly is made of painted marine aluminium.

Compatible with 33c cables.

Part No	Description
49021	Ultraflex B85 Single Lever Control

DS-Kit Throttle

Combines the action of the single lever control from either of two command stations and provides a single output to the engine throttle lever. (Only suitable for throttle control by pulling).

Part No	Vetus	Description
57121	DSKITF	Dual Station Kit for Throttle

DS-Unit Gearbox

Combines the action of the single lever control from either of two command stations and provides a single output to the gearbox lever.

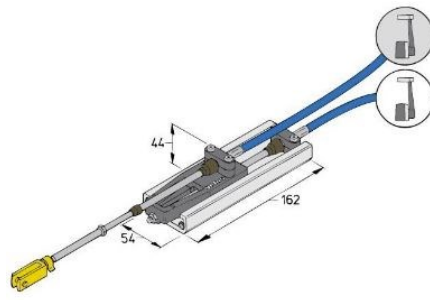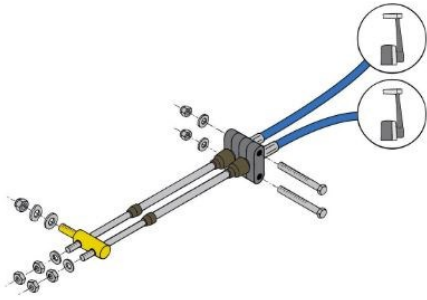| Part No	Vetus	Description
57120	DS	Dual Station Kit for Gearbox

Shut-Off Control

Type DC

Type DC is corrosion resistant and easy to install (horizontally or vertically) and can be pushed with 33c control cables. Comes with a 30° mounting bracket.

Part No	Vetus	Description
57122	DC	Cable pull handle type DC

Twin Station Control

Part No	Multiflex	Description
49159	LM-K-13	Twin Station Control

Throttle mechanism for Vetus engine controls type SICO, SISCO and RC-series (RCSIDE, RCTOP, RCTOPT & variants). Comprises complete throttle mechanism with neutral stop switch.

Part No	Description
57081	RC01A

Handle attachment kit for side remote control handles.

Part No	Description
57115	RC01C

Spare Black Knob 40mm

Part No	Description
57096	RC08B

Spare Red Knob 40mm

Part No	Description
57097	RC08

Cable fitting kit for Vetus Sico & Sisco

Part No	Description
57080	RC01B

Topmount Lever T BAR

Part No	Description
57083	RC06RG

Sidemount SS Lever

Spare Lever

Part No	Description
57084	RC03R

Sidemount SS Lever

Spare Lever

Part No	Description
57085	RC06R

33C Cable Ball Joint

Stud 6mm
Material = Zinc Plated Steel

Part No	Description
91785	6mm 33c Ball Joint

Ball-joint

33C Cable Ball Joint.

Part No	Vetus	Description
57178	KOGELGEWR	33C Cable Ball Joint

33C Cable Ball Joint.

Part No	Multiflex	Description
49156	LM-K-9	Ball Joint 33C

Brass Pivot + Split Pin

Spindle Dia. 6.4mm.
Thread 10-32 UNF.
CO/C2/C8 cables.
Lever thickness 3mm

Part No	Description
91786	Brass Pivot + Split Pin

SS Pivot 33C

Part No	Multiflex	Description
49157	LM-K-10	Stainless Steel Pivot + Split Pin

Clevis End Connector

Plated Steel.

7.1mm jaw width with 6.4mm diameter pin .

Part No	Description
91789	Clevis End

33C End Eye Metal

Part No	Multiflex	Description
49154	LM-K-7	End Eye Metal

33C Plastic Pivot

Part No	Multiflex	Description
49158	LM-K-11	Plastic Pivot

Ball Joint 33C RJ

Part No	Multiflex	Description
49160	LM-K-14	BALL JOINT 33C RJ

33C End Eye Plastic

Part No	Multiflex	Description
49155	LM-K-8	End Eye Plastic

Clevis 33C

Part No	Multiflex	Description
49153	LM-K-5	Clevis End

Clamp & Shim 33C Cable

Part No	Multiflex	Description
49151	LM-K-3	Clamp & Shim

Cable clamp

33C Cable Clamp.

Part No	Vetus	Description
57177	KABELKL	33C Cable Clamp

Saddle Clamp Kit

Saddle shim screws washers nuts included.

Part No	Description
91787	33C Cable Clamp

Quick clamp for control cables. Multi hole fixing. Base size 40x 25mm

Part No	Description
91788	Quick Clamp

Red Plastic T Handle

Screws onto the end of 33c cables.

Part No	Multiflex	Description
49161	THANDLE	Plastic T Handle

Metal Swivel Connector

Part No	Multiflex	Description
49165	LM-K-2	Swivel Connector

005 To 014 Connector

Part No	Multiflex	Description
49150	LM-K-1	Connector

Fixed Transom Clamp

Part No	Multiflex	Description
49162	LM-C-1	Transom Clamp

Swivel Transom Clamp

Part No	Multiflex	Description
49163	LM-C-3	Swivel Transom Clamp

Splashwell Clamp

Part No	Multiflex	Description
49164	LM-S-1	Splashwell Clamp

Stainless Steel Link Arm

Part No	Multiflex	Description
49172	LM-L-1	SS Link Arm

Stainless Steel Adjustable Link Arm

Part No	Multiflex	Description
49173	LM-L-4	SS Adjustable Link Arm

Steering Grommet Black

Part No	Multiflex	Description
49175	GR1605B	Steering Grommet

Cable Grommet Single

Part No	Multiflex	Description
49166	GR-1601	Cable Grommet Single

Cable Grommet 4"

Part No	Multiflex	Description
49167	GR-1602	Cable Grommet 4"

Cable Grommet 6"

Part No	Multiflex	Description
49168	GR-1603	Cable Grommet 6"

Cable Grommet Lo Profile

Part No	Multiflex	Description
49169	GR-1608	Cable Grommet Lo Profile

Cable Grommet Twin

Part No	Multiflex	Description
49170	GR-1609	Cable Grommet Twin

Multi Cable Grommet

Part No	Multiflex	Description
49171	GR-1606	Multi Cable Grommet

Engine Control Cable

EDGE
BY MULTIFLEX

multiflex

BUILT TO LAST

33C EDGE Series Throttle Control Cable

Premium Quality - Ultra flexible Spiral Construction

The Ultimate High Performance 33c type cable.

Capable of extremely tight radius bends and complex cable runs, with no loss of performance or increased friction. Ideal for RIB and dual station cable installations - time-saving and guaranteed smooth performance. Suitable for inboard,outdrive and outboard installations.

Spiral Conduit - enables repeated tight bends.

Unique cable length ID tag for easy reference.

Comparable to - Teleflex Xtreme and Ultra-Flex Mach Zero.

Direct replacement for any 33c type cable.

Conduit: 8.6mm Blue Ribbed design

Inner: 2.75mm Coated Inner
End Thread : 10-32 UNF

Cable bend radius (4" Minimum)

Part No	Description	Part No	Description
49024	Edge Engine Control Cable (Flexi) 6 Feet (1.82M)	49037	Edge Engine Control Cable (Flexi) 19 Feet (5.79M)
49025	Edge Engine Control Cable (Flexi) 7 Feet (2.13M)	49038	Edge Engine Control Cable (Flexi) 20 Feet (6.09M)
49026	Edge Engine Control Cable (Flexi) 8 Feet (2.43M)	49040	Edge Engine Control Cable (Flexi) 22 Feet (6.70M)
49027	Edge Engine Control Cable (Flexi) 9 Feet (2.74M)	49042	Edge Engine Control Cable (Flexi) 24 Feet (7.31M)
49028	Edge Engine Control Cable (Flexi) 10 Feet (3.04M)	49044	Edge Engine Control Cable (Flexi) 26 Feet (7.92M)
49029	Edge Engine Control Cable (Flexi) 11 Feet (3.35M)	49045	Edge Engine Control Cable (Flexi) 28 Feet (8.53M)
49030	Edge Engine Control Cable (Flexi) 12 Feet (3.65M)	49046	Edge Engine Control Cable (Flexi) 30 Feet (9.14M)
49031	Edge Engine Control Cable (Flexi) 13 Feet (3.96M)	49047	Edge Engine Control Cable (Flexi) 32 Feet (9.75M)
49032	Edge Engine Control Cable (Flexi) 14 Feet (4.26M)	49048	Edge Engine Control Cable (Flexi) 34 Feet (10.36M)
49033	Edge Engine Control Cable (Flexi) 15 Feet (4.57M)	49049	Edge Engine Control Cable (Flexi) 36 Feet (10.97M)
49034	Edge Engine Control Cable (Flexi) 16 Feet (4.87M)	49050	Edge Engine Control Cable (Flexi) 38 Feet (11.58M)
49035	Edge Engine Control Cable (Flexi) 17 Feet (5.18M)	49051	Edge Engine Control Cable (Flexi) 40 Feet (12.19M)
49036	Edge Engine Control Cable (Flexi) 18 Feet (5.48M)		

multiflex
BUILT TO LAST

EDGE GEN 1 Mercury / Mercruiser

Part No	Description
49064	Merc Edge Engine Control Cable 10 Feet (3.04M)
49065	Merc Edge Engine Control Cable 11 Feet (3.35M)
49066	Merc Edge Engine Control Cable 12 Feet (3.65M)
49067	Merc Edge Engine Control Cable 13 Feet (3.96M)
49068	Merc Edge Engine Control Cable 14 Feet (4.26M)
49069	Merc Edge Engine Control Cable 15 Feet (4.57M)
49070	Merc Edge Engine Control Cable 16 Feet (4.87M)
49071	Merc Edge Engine Control Cable 17 Feet (5.18M)
49072	Merc Edge Engine Control Cable 18 Feet (5.48M)
49073	Merc Edge Engine Control Cable 19 Feet (5.79M)
49074	Merc Edge Engine Control Cable 20 Feet (6.09M)

Mercury EDGE Series Control Cable

Premium Quality - Ultra flexible Spiral Construction

The Ultimate High Performance Mercury/Mercruiser Gen1 & Gen 2 cable.

9.5mm conduit.

Inner: 3.2mm Flexible Core

End Thread 1/4" x 28 UNF

Specifically, for Mercury + Mercruiser Applications.

Unique cable length ID tag for easy reference.

Comparable to - Teleflex Xtreme and Ultra-Flex Mach Zero.

EDGE GEN 2 Mercury / Mercruiser

Part No	Description
49200	Merc Edge Gen 2 Engine Control Cable 10 Feet (3.04M)
49201	Merc Edge Gen 2 Engine Control Cable 11 Feet (3.35M)
49202	Merc Edge Gen 2 Engine Control Cable 12 Feet (3.65M)
49203	Merc Edge Gen 2 Engine Control Cable 13 Feet (3.96M)
49204	Merc Edge Gen 2 Engine Control Cable 14 Feet (4.26M)
49205	Merc Edge Gen 2 Engine Control Cable 15 Feet (4.57M)
49206	Merc Edge Gen 2 Engine Control Cable 16 Feet (4.87M)
49207	Merc Edge Gen 2 Engine Control Cable 17 Feet (5.18M)
49208	Merc Edge Gen 2 Engine Control Cable 18 Feet (5.48M)
49209	Merc Edge Gen 2 Engine Control Cable 19 Feet (5.79M)
49210	Merc Edge Gen 2 Engine Control Cable 20 Feet (6.09M)

MERCURY
MerCruiser

Kill Cord for Outboards
Circuit breaker cord with connections for almost all brands. Mercury/Mariner/Tohatsu Suzuki/Johnson/Evinrude Yamaha/Selva OMC Honda
Part No
35999

Bow Thrusters

VETUS

Vetus Bow Thrusters

12 or 24V

Part No	Vetus No	Description	Thrust at 12/24VDC (KGF)	Power (kw-hp)	Tunnel Diameter (mm)	Main Fuse Required
55001	BOW2512E	Bow Thruster 25 KGF 12V	25	1.5 - 2	110	125 amp
55002	BOW3512E	Bow Thruster 35 KGF 12V	35	1.5 - 2	150	160 amp
55003	BOW5512D	Bow Thruster 55 KGF 12V	55	3 - 4	150	250 amp
55004	BOW5524D	Bow Thruster 55 KGF 24V	60	3 - 4	150	200 amp
55005	BOW6012D	Bow Thruster 60 KGF 12V	65	3 - 4	185	200 amp
55006	BOW6024D	Bow Thruster 60 KGF 24V	70	3 - 4	185	100 amp
55007	BOW7512D	Bow Thruster 75 KGF 12V	80	4.4 - 6	185	355 amp
55008	BOW7524D	Bow Thruster 75 KGF 24V	85	4.4 - 6	185	200 amp
55009	BOW9512D	Bow Thruster 95 KGF 12V	85	5.7 - 8	185	425 amp
55010	BOW9524D	Bow Thruster 95 KGF 24V	95	5.7 - 8	185	200 amp

GRP Bow Thruster tunnels

Part No	Vetus No	Description
55079	BP110G75	110 X 750mm
55080	BP110G10	110 X 1000mm
55081	BP110G30	110 X 3000mm
55088	BP150G75	150 X 750mm
55089	BP150G10	150 X 1000mm
55090	BP150G15	150 X 1500mm
55091	BP150G30	150 X 3000mm
55097	BP185G75	185 X 750mm
55098	BP185G10	185 X 1000mm
55099	BP185G15	185 X 1500mm

Bow Thruster Cables

Panel connections with multi-plugs fitted. Suitable for all Vetus Electric and Single Stage Hydraulic Thrusters and controls.

Part No	Vetus	Description
55066	BP29	6m Cable
55067	BP2910	10m Cable
55068	BP2916	16m Cable
55069	BP2918	18m Cable
55070	BP2920	20m Cable

6 Blade Prop

Part No	Vetus No	Description
55030	SET0086	6 Blade Prop 110mm for BOW2512
55031	SET0087	6 Blade Prop 150mm for BOW35/55
55032	SET0088	6 Blade Prop 185mm for BOW50/60/75/80/95
55033	SET0089	6 Blade Prop 185mm for Bow45/80 until 1998.
55034	SET0090	6 Blade Prop 250mm for Bow125/130/160

SET0148

Zinc anode for bow thrusters 25 kgf.

Part No   55137

SET0149

Zinc anode for bow thruster 35, 45, 55 kgf.

Part No   55138

SET0150

Zinc anode for bow thruster 60, 75, 80, 95 kgf.

Part No   55139

SET0151

Zinc anode for bow thruster 130, 160 kgf.

Part No   55140

SET0152

Zinc anode for bow thrusters 220 kgf.

Part No   55141

SET0153

Zinc anode for bow thruster 23, 50, 80, kgf and for all stern thruster sets.

Part No   55142

BPSR BPJR BPAS BPAJ BPJSTA

EZDOCK2 BPSE2 BPJE2 BPJDE2 BPA

Vetus Control Panels

Part No	Vetus No	Description	Voltage	Front panel (mm)	Bezel	IP Rating	Built in depth (mm)	Cut Out Size
55045	BPSR	Thruster touch panel with time delay.	12/24V	Ø 63	White/Black /Chrome	IP65	90	Ø 52
55046	BPJR	Thruster panel with joystick and time delay.	12/24V	Ø 63	White/Black /Chrome	IP65	90	Ø 52
55047	BPAS	Thruster touch panel with time delay.	12/24V	97 x 95	Aluminium	IP65	90	Ø 52
55048	BPAJ	Joystick with time delay.	12/24V	97 x 95	Aluminium	IP65	90	Ø 52
55043	BPJSTA	Joystick with time delay device (excl. Connection cable)	12/24V	N/A	N/A	IP65	50	Ø 22
55036	EZDOCK2	Easy docking system for thrusters with time delay.	12/24V	85 x 138	Synthetic	IP65	90	130 x 75
55037	BPSE2	Thruster touch panel with time delay.	12/24V	85 x 85	Synthetic	IP65	90	Ø 75
55038	BPJE2	Thruster panel with joystick and time delay.	12/24V	85 x 85	Synthetic	IP65	90	Ø 75
55039	BPJDE2	Thruster panel with two joysticks and time delay.	12/24V	85 x 85	Synthetic	IP65	50	130 x 75
55044	BPA	Adapter plate to replace the old BPS/BPJ panels with the new BPSE2/BPJE2 panels.						

Engine Mounts


KSTEUN25V KSTEUN35V
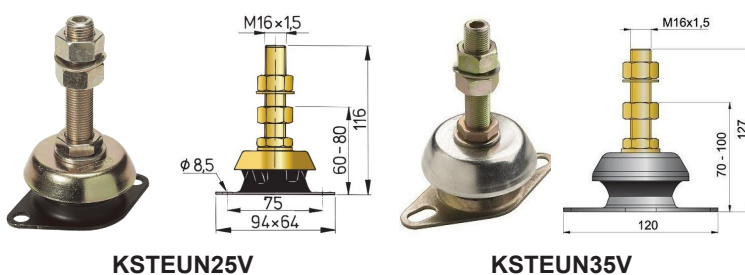
Type K25V and K35V

For small engines and generator sets with 1 or 2 cylinders

These flexible mountings contain a special rubber compound with excellent vibration damping properties. They are suitable for marine engines in the power range between 4 and 15 kW (6-20 hp).
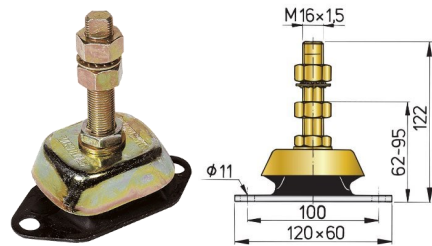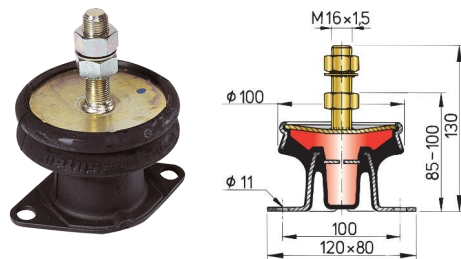
Flexible Engine Mounting Type

Part No	Vetus No	Description
57337	KSTEUN25V	Max Load 25KG
57338	KSTEUN35V	Max Load 30KG
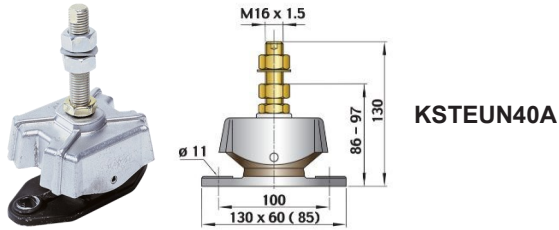
KSTEUN40A

Flexible Engine Mounting Type		
Part No	Vetus	Description
57339	KSTEUN40A	Max Load 40KG

KSTEUN50V   KSTEUN75V   KSTEUN100V

MITSTEUN

Hydraulic Engine Mounting Type		
Part No	Vetus	Description
57345	MITSTEUN	Max Load 67KG
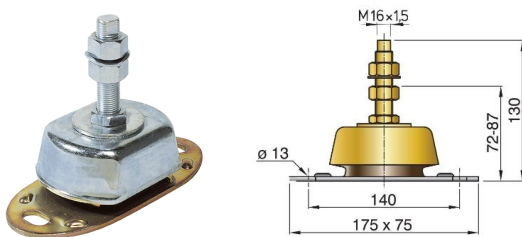
HY100   HY150   HY230
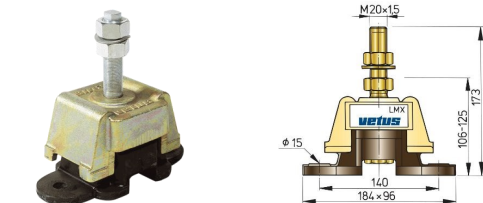
LMX140   LMX340
LMX210   LMX500

Flexible Engine Mounting Type		
Part No	Vetus	Description
57347	LMX140	Max Load 140KG
57348	LMX210	Max Load 210KG
57349	LMX340	Max Load 340KG
57350	LMX500	Max Load 500KG

Type K40A

For 3-cylinder marine diesel engines

Type K40 has a relatively soft, rubber compound which fulfils the requirements of light-weight vessels with a modern 3-cylinder marine diesel engine. The rubber elements create an optimum in vibration dampening. Type KSTEUN40 features internal   buffers which limit the engine movements when started or stopped. It is also secured against overload and shearing off.

Type K50V K75V K100V

For smaller engines up to ± 60 kW (80 hp)

This type is suitable for smaller engines up to approximately 60 kW (80 hp).

Flexible Engine Mounting Type		
Part No	Vetus	Description
57341	KSTEUN50V	Max Load 50KG
57342	KSTEUN75V	Max Load 75KG
57343	KSTEUN100V	Max Load 100KG

Type MITSTEUN

For marine diesel engines from 18 up to 26 kW (25-35 hp)

This hydro-damper is a combination of a conventional rubber-metal damper and a hydraulic shock absorber. Its reduction of vibration and noise is truly amazing. The maximum static load per support is 60 kg and the maximum thrust is 50kg.

Type HY

For heavy-weight engines with 4 or more cylinders

This type is extremely suitable for application with marine diesel engines in the power range between 30 and 125 kW (40-170 hp), by virtue of a low stiffness combined with high stiffness in the longitudinal direction.

Flexible Engine Mounting Type		
Part No	Vetus	Description
57352	HY100	Max Load 100KG
57353	HY150	Max Load 150KG
57354	HY230	Max Load 230KG

Type LMX

For marine diesel engines with 70 up to 350 kW (95-480 hp)

This type has been designed with particular regard to the power to weight ratio of modern diesel engines. The weight of an engine, in comparison to its thrust, has become lower and lower. Type LMX guarantees optimum damping of vibrations, even at idling revs. It has a very high horizontal and aft stiffness which allows the acceptance of considerable thrust. The cushioning of vibrations in horizontal direction athwart-ships is of equal excellence.

Sound Insulation

Sonitech Light

Efficient Sound Insulation.
A flexible, cost effective 20mm fire retardant sound insulation sheet with a reinforced aluminium foil facing and self adhesive backing. Use when cost or space is the prime concern.

Sheet Size: 1000 x 600mm

Part No	Vetus	Face + Thickness
58335	ST020A	Aluminium 20mm
58336	ST040A	Aluminium 40mm

Sonitech Single

Good Sound Insulation.
A step up from the light version, which includes a single damping layer resulting in better sound insulation capabilities. Available in 35 or 45 mm thick sheets and with reinforced aluminium foil or white glass cloth facing. With self-adhesive backing.

Sheet Size: 1000 x 600mm

Part No	Vetus	Face + Thickness
58337	ST135A	Aluminium 35mm
58338	ST145A	Aluminium 45mm
58339	ST135W	White 35mm
58340	ST145W	White 45mm

V Glass Sound Insulation

High quality, professional standard sound insulation with a layer of sound deadening.

Premium quality insulation at a great price. Available in 2 sizes.

Part No	Thickness
59900	50mm V Glass Silver
59901	32mm V Glass Silver

Maritex Sound Insulation Tape

Suitable for use with V Glass Sound Insulation, a tough fibreglass cloth, with a sealed metallised skin, so it cannot absorb oil. Heavy duty in appearance and fire zero rated, the insulation will not tear or fray.

Part No	Description
59902	50mm x 20M

Prometech Single

Excellent Sound Insulation & Safety.
Vetus Prometech Sound Insulation Sheet - full 35mm version for high performance with both high and low frequency engine noise. Fibre reinforced aluminium facing, for durability and radiant heat reflection. Self adhesive backing for simple fitting.

Sheet Size: 1000 x 600mm

Part No	Vetus	Face + Thickness
58341	PT112A	Aluminium 12mm
58342	PT135A	Aluminium 35mm
58343	PT145A	Aluminium 45mm
58344	PT112W	White 12mm
58345	PT135W	White 35mm
58346	PT145W	White 45mm

Prometech Double

Ultimate Sound Insulation & Safety
Vetus Prometech Sound Insulation Sheet - ultimate 45mm version for high performance with both high and low frequency engine noise. Flexible Silver glass cloth facing, for extreme strength, durability and a high tech appearance to your engine room. Self adhesive backing for simple fitting.

Sheet Size: 1000 x 600mm

Part No	Vetus	Thickness
58347	PT225S	25mm Silver
58348	PT245S	45mm Silver
58349	PT260S	60mm Silver
58350	PT225W	25mm White
58351	PT245W	45mm White
58352	PT260W	60mm White

Sound Deadening Sheet PU130S

Sound deadening sheets type PU130S are ideal for smaller engine installations and have excellent noise and vibration reducing qualities.

Part No
57880

Sound Insulation Tape

Self-adhesive tape three colours.

50mm x 30m

Part No	Description
57887	Aluminium (TAPEA30)
57888	Grey (TAPEG30)
57889	White (TAPEW30)

Sound Insulation Fixing Plates

Diameter: 50mm.
Pack of 15, screws not supplied.

Part No	Description
57890	Pack of 15 (FIXP)

Ventilation
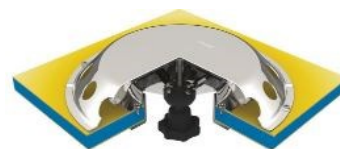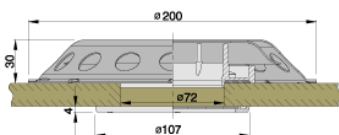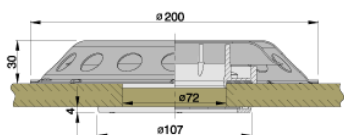
Type UFO

High gloss polished S/S UFO can't be closed, which ensures permanent ventilation. Incl. mosquito screen and interior finishing ring. Rain/splash proof.

31,8 FREE FLOW AREA CM²

AISI 316

Part No	Description
56785	200mm UFO Vent

Type UFOTR

High gloss polished S/S UFOTR can't be closed, which ensures permanent ventilation. Incl. mosquito screen and interior finishing ring. Rain/splash proof. Transparent centre.

31,8 FREE FLOW AREA CM²

AISI 316

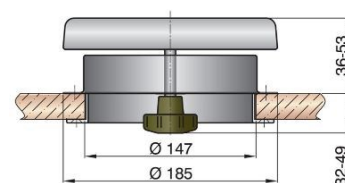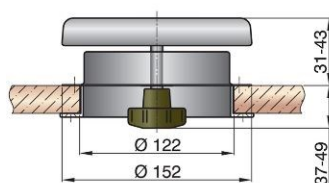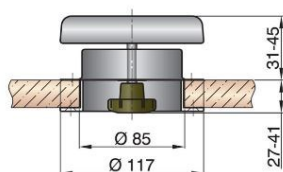| Part No	Description
56786	200mm Transparent UFOTR

Type UFO2

UFO2 high gloss polished deck ventilator with integral mushroom ventilator can be made watertight. When opened it ensures ventilation. Rain/splash proof.

30 FREE FLOW AREA CM²

AISI 316

Part No	Description
56788	200mm Closable UFO2

Type PORTOS1

Stainless steel (AISI 316) mushroom ventilator, polished high-gloss, including mosquito screen and synthetic counterflange. Free flow area 30 cm².

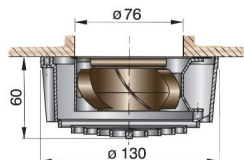| Part No	Description
56797	PORTOS1 117mm

Type ATHOS1

Stainless steel (AISI 316) mushroom ventilator, polished high-gloss, including mosquito screen and synthetic counterflange. Free flow area 45 cm².

Part No	Description
56798	ATHOS1 152MM

Type DARTAGNAN1

Stainless steel (AISI 316) mushroom ventilator, polished high-gloss, including mosquito screen and synthetic counterflange. Free flow area 76 cm².

Part No	Description
56799	DARTAGNAN1 185MM

Electric Ventilators.

Designed especially for boats. Suitable for installation to ceiling or wall. With long-life computer motor. Very low energy consumption and noise level.

CAPACITY   70 m³/hour

STATIC PRESSURE   5 mm H2O

Part No	Description	Vetus
56792	12 Volt	FAN12
56793	24 Volt	FAN24

Shell Vents

Stamped stainless steel shell (midget) vent

304 ss

Part No	Description
76196	41mm x 41mm
76198	57mm x 54mm
76200	25mm height x 90mm width x 93mm length
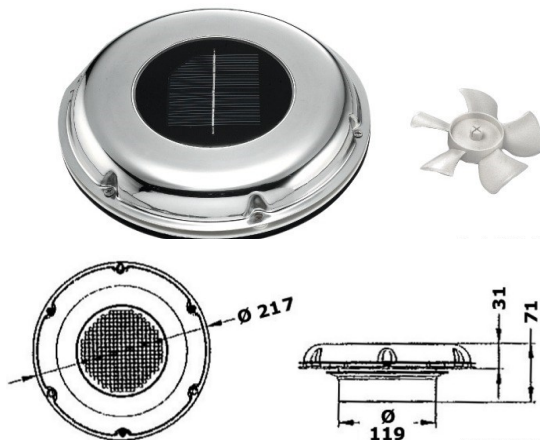
SolarVent

The latest venting system using solar power. Fitted with mirror polished stainless steel vent diffuser. ON-OFF switch. Equipped with NiMH rechargeable batteries which store energy during the day, ensuring 30 hours of operation without solar light. Equipped with 2 RIGHT/LEFT fans to let air in or out.

Cap Ø mm   217

Practice hole mm 119

External/internal overhang mm   71

Air circulation m3/hour   20

Part No	Description
96326	Automatic Solar Vent 217mm

UFO Style Roof Vent

Highly polished Stainless Steel (304).

Mounting ring and nipple supplied.

Stainless Steel top - height above deck 30mm - cutout 73mm

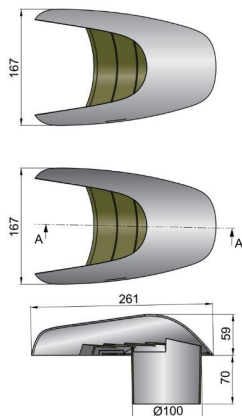| Part No	Description
96553	UFO Style Roof Vent

Type TYP75 Shell Ventilator

The outer cover is made of high-gloss polished stainless steel (AISI 316), all other parts of synthetic materials. The unit is suitable for horizontal or vertical use.

Free Flow Area CM²   30

Hose Connection Diameter 75MM

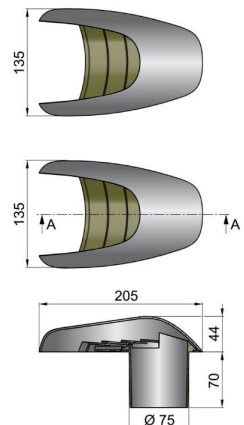| Part No	Description
56817	TYP75

Type TYP100 Shell Ventilator

The outer cover is made of high-gloss polished stainless steel (AISI 316), all other parts of synthetic materials. The unit is suitable for horizontal or vertical use.

Free Flow Area CM²   41

Hose Connection Diameter 100MM

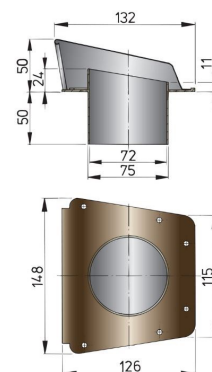| Part No	Description
56818	TYP100

Type SCIROCCO

The SCIROCCO can be screwed directly on to hull or superstructure horizontally/vertically. Incl. plastic base plate, water guard, 76 mm hose connection.

Free Flow Area CM²   38.5

Hose Connection Diameter 76mm

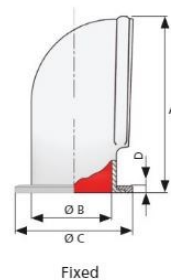| Part No	Description
56820	SCIROCCO

Engine Systems

TRAMONS

SAMOENS

CHINOOKS

LIBECS

Fixed

Vetus Silicone Cowl Ventilators

Part No	Vetus	Replaces	A (mm)	B (mm)	C (mm)	D (mm)	Free flow area (cm²)	Material
56850	TRAMONS	DONALDS	100	75	127	11	44.2	Silicone
56851	LIBECS	JERRYS	192	75	127	11	44.2	Silicone
56852	CHINOOKS	TOMS	230	100	152	11	78.6	Silicone
56853	SAMOENS	YOGIS	282	125	179	11	122.8	Silicone
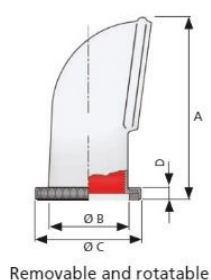
YOG316R

TOM316R

JER316R

YOG316WR

TOM316WR

JER316WR

Removable and rotatable

DON316R

DON316WR

Cowl Ventilator Cover & Mosquito Screen

Part No	Vetus	Size
56822	SET75	75mm
56823	SET100	100mm

Vetus Stainless Steel (AISI 316) Cowl Ventilators

Part No	Vetus	A (mm)	B (mm)	C (mm)	D (mm)	Free flow area(cm²)	Material
56824	DON316WR White	111	75	123	22	44.2	Stainless Steel AISI 316
56825	DON316R Red	111	75	123	22	44.2	Stainless Steel AISI 316
56833	YOG316WR White	296	125	181	22	122.8	Stainless Steel AISI 316
56834	YOG316R Red	296	125	181	22	122.8	Stainless Steel AISI 316
56835	TOM316WR White	250	100	153	22	78.6	Stainless Steel AISI 316
56836	TOM316R Red	250	100	153	22	78.6	Stainless Steel AISI 316
56837	JER316WR White	205	75	123	22	44.2	Stainless Steel AISI 316
56838	JER316R Red	205	75	123	22	44.2	Stainless Steel AISI 316

Rule In-Line Blowers

Designed for efficient, high output operation, these blowers feature our exclusive front and rear shaft seals and corrosion resistant motor housings for long life. Compact and easily installed on any flat surface, Rule® in-line blowers provide higher air flow, lower amp draw, and quieter operation than standard blowers.
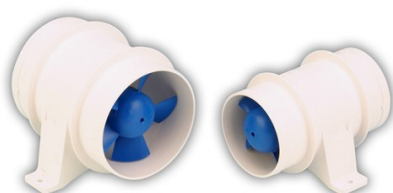
Part No	Description	Dimensions	Fuse Size	Output
75140	12V - 75mm	130 L x 95 H x 125mm Wide	4 Amp	3.8 cu.m/minute
75141	24V - 75mm	130 L x 95 H x 125mm Wide	2.5 Amp	3.8 cu.m/minute
75142	12V - 100mm	130 L x 120 H x 150mm Wide	7 Amp	6.7 cu.m/minute
75143	24V - 100mm	130 L x 120 H x 150mm Wide	4 Amp	6.7 cu.m/minute

Vetus In-Line Blowers

The purpose of these ignition protected (IP67) extraction ventilators is to extract the heat from the engine room when the engine is not running or, when a petrol/gasoline engine is installed, to extract any possible petrol/gasoline fumes prior to starting the engine(s).

Part No	Description	Dimensions	Voltage (DC) AMP	Capacity (m³ /min)
57332	TWINLINEA 76mm 12V	128 L x 88.5 H x 76mm Wide	2.8Amp	5
57333	TWINLINEB 102mm 12V	180 L x 116 H x 101.6mm Wide	8 Amp	7
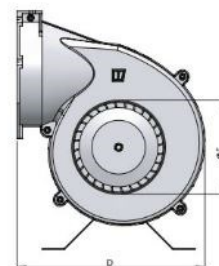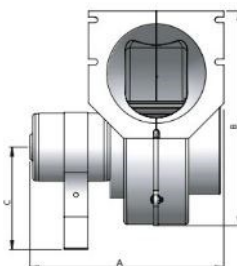
Vetus Extraction Ventilators - Ideal for Galley, Toilet & Engine Room.

This extraction ventilator with Delrin Impeller is ignition protected IP67 and complies with ISO 9097 Marine Standard. It includes a mounting bracket and connection flange for in-line installation.

Part No	Vetus	ID Hose	A	B	C	D	Voltage (DC) AMP	Capacity (m³ /min)
57334	VENT7612A	76	186	168	88	157	12v - 8 Amps	4
57335	VENT7624A	76	186	168	88	157	24v - 4 Amps	4
57325	VENT10212	102	215	237	113	209	12v - 8 Amps	8
57326	VENT10224	102	215	237	113	209	24v - 4.5 Amps	8
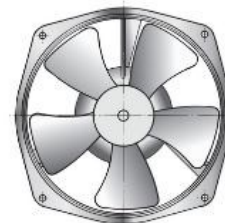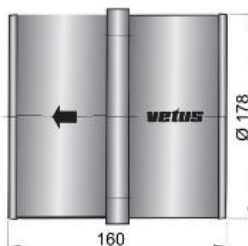
Extraction Ventilators

Suitable for bulkhead mounting and receiving air ducting hose. This extraction ventilator is ignition protected (IP67) and complies with the ISO 9097 Marine Standard.

12V = 6 Amps / 12,2m ³

24V = 3 Amps/ 12.5m³

Part No	Vetus	Description	Voltage	ID Hose mm
57330	VENT17812A	Extraction ventilator	12V	178
57331	VENT17824A	Extraction ventilator	24V	178

Connection Flange

Spare in-line hose connection flanges for VENT76A and VENT102.

Part No	Vetus	A	B	C	D	E	Ø F	Ø G
57336	VENTKITA	120	115	106.5	46.5	106	83.3	76
57327	VENTKITB	150	141	136.5	46.5	136	109.7	102
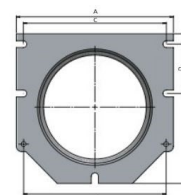
Ventilation Hose

For shell and extraction ventilators.

Type BLHOSE is made from PVC coated glassfibre with a steel spiral. Temperature resistant between –20° and + 100°C. Sold in 10m lengths.

Part No	Vetus	Internal Ø mm	External Ø mm	Bending Radius	Roll Length
56399	BLHOSE310A	79	85	47	10M
56400	BLHOSE410A	102	108	61	10M

Flexible Ventilation Hose

Very flexible suction or pressure hose.

Flexible TPE ducting hose with steel spiral. Temperature resistant between –30° and + 140°C. Sold in 10m lengths.

Part No	Vetus	Internal Ø mm	External Ø mm	Bending Radius	Roll Length
56401	VHOSE152	152	158	150	10M
56402	VHOSE178	180	186	180	10M

Ventilation Hose

Ducting blower hose sold in 6m lengths

Part No	Description
89940	76mm x 6M
89941	102mm x 6M

Stainless Steel Breather Nipple

The breathing capacity fulfils the CE requirements. Provided with an easily cleaned stainless steel (AISI 316) gauze, which functions as a flame arrester.

Part No	Size	Part No	Size
56448	16mm straight (AB16S)	56452	19mm angled (AB19B)
56449	16mm angled (AB16B)	56453	25mm angled (AB25B)
56450	19mm straight (AB19S)	56454	38mm angled (AB38B)

Air Vent Nipple

Suitable for Ø 16 mm internal diameter hose. In stainless steel (AISI 316).

Part No	Description
56457	Stainless Straight 16mm (ST04S)
56458	Stainless Angled 16mm (ST04HS)

Fuel Breather Vents

Mirror polished AISI 316 stainless steel.

Fitted with flame-proof screen, detachable for easy maintenance. Designed in compliance with the requirements of the UNI EN ISO 21487 regulation.

Part No	Description
96463	19mm Fuel Breather Vent 90 degree bend.
96464	16mm Fuel Breather Vent 90 degree bend.

Tank Vents

Chrome plated brass tank vents with fitted gauze and back nut.

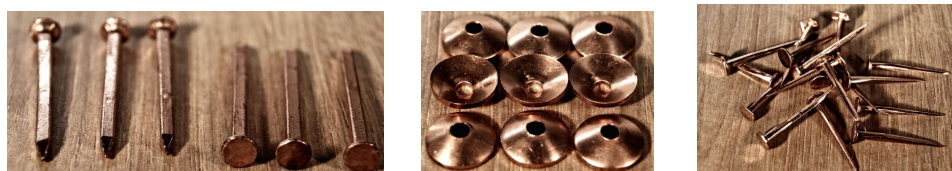| Part No	Hose Dia	Aperture	Type
10260	5/8" (16mm)	3/4" (19mm)	Straight
10265	5/8" (16mm)	3/4" (19mm)	90°
10270	3/4" (19mm)	1" (25mm)	Straight

Brass Page 116
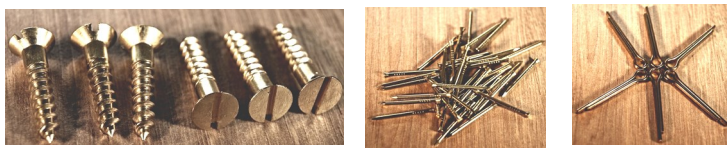
Silicon Bronze Pages 117 - 120
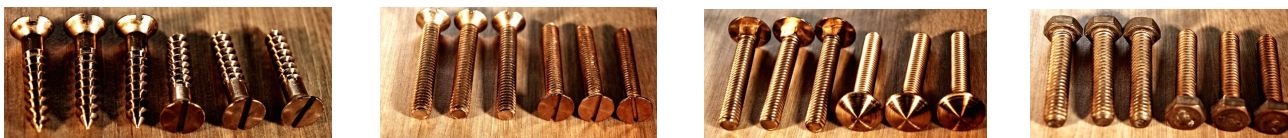
Copper Page 121

Galvanised Pages 122 - 123

Stainless Steel Pages 124 - 138

Accessories Page 139

Brass Countersunk Slotted Woodscrews

Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)
4G / ø2.9mm			**6G / ø3.5mm**			**8G / ø4.2mm**			**10G / ø4.8mm**			**12G / ø5.5mm**		
82150	4 X 3/8	2.9 X 10	82170	6 X 1/2	3.5 X 13	82210	8 X 3/4	4.2 X 19	82245	10 X 1	4.8 X 25	82278	12 X 1 1/4	5.5 X 32
82155	4 X 1/2	2.9 X 13	82175	6 X 5/8	3.5 X 16	82215	8 X 1	4.2 X 25	82250	10 X 1 1/4	4.8 X 32	82280	12 X 1 1/2	5.5 X 38
82160	4 X 3/4	2.9 X 19	82180	6 X 3/4	3.5 X 19	82220	8 X 1 1/4	4.2 X 32	82255	10 X 1 1/2	4.8 X 38	82285	12 X 2	5.5 X 50
82165	4 X 1	2.9 X 25	82185	6 X 1	3.5 X 25	82225	8 X 1 1/2	4.2 X 38	82260	10 X 1 3/4	4.8 X 44	82290	12 X 2 1/2	5.5 X 64
			82190	6 X 1 1/4	3.5 X 32	82230	8 X 1 3/4	4.2 X 44	82265	10 X 2	4.8 X 50	82295	12 X 3	5.5 X 76
			82195	6 X 1 1/2	3.5 X 38	82235	8 X 2	4.2 X 50	82270	10 X 2 1/2	4.8 X 64			
			82200	6 X 2	3.5 X 50	82240	8 x 2 1/2	4.2 X 64	82275	10 X 3	4.8 X 76			

Brass Round Head Slotted Woodscrews

Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)
4G / ø2.9mm			**6G / ø3.5mm**			**8G / ø4.2mm**			**10G / ø4.8mm**			**12G / ø5.5mm**		
82310	4 X 1/2	2.9 X 13	82325	6 X 1/2	3.5 X 13	82340	8 X 3/4	4.2 X 19	82362	10 X 1 1/4	4.8 X 32	82366	12 X 1 1/4	5.5 X 32
82315	4 X 3/4	2.9 X 19	82330	6 X 3/4	3.5 X 19	82345	8 X 1	4.2 X 25	82364	10 X 2 1/2	4.8 X 60	82370	12 X 2	5.5 X 50
82320	4 X 1	2.9 X 25	82335	6 X 1	3.5 X 25	82350	8 X 1 1/4	4.2 X 32						
						82355	8 X 1 1/2	4.2 X 38						
						82358	8 X 1 3/4	4.2 X 45						
						82360	8 X 2	4.2 X 50						

Brass Screw Cups

Brass Screw Cups	
Part No	Size
82560	4g - 5g
82562	6g
82564	7g - 8g
82566	9g - 10g
82568	12g

Brass Turned Cups

Brass Turned Pattern Cups	
Part No	Size
82572	5g
82574	6g
82576	8g
82578	10g
82580	12g

Brass Panel Pins

Part No	Thickness X Length	Quantity Per Kilo (Approx)
82850	1.4 X 12mm (1/2")	5662
82852	1.4 X 16mm (5/8")	5400
82854	1.4 X 19mm (3/4")	3600
82858	1.6 X 25mm (1")	2480
82860	1.6 X 32mm (1 1/4")	1679
82862	1.6 X 38mm (1 1/2")	1392

Brass Split Pins

Part No	Imperial Size	Metric Size
82790	1/16 X 1	1.6 X 25mm
82795	3/32 X 1	2.4 X 25mm
82800	1/8 X 1	3.2 X 25mm
82805	1/8 X 1 1/2	3.2 X 38mm
82806	1/8 X 2	3.2 X 50mm
82815	5/32 X 1 1/2	4 X 38mm
82802	3/16 X 1	4.8 X 25mm
82825	3/16 X 2	4.8 X 50mm

Silicon Bronze Slotted
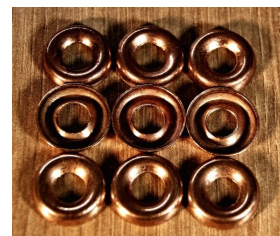
Countersunk Woodscrews

Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)
4G / ø2.9mm Thickness 5.3mm Head Size			**6G / ø3.5mm Thickness 6.5mm Head Size**			**8G / ø4.2mm Thickness 7.88mm Head Size**			**10G / ø4.8mm Thickness 9.25mm Head Size**			**12G / ø5.5mm Thickness 10.28mm Head Size**		
82900	4 X 1/2	2.9 X 13	82904	6 X 1/2	3.5 X 13	82912	8 X 3/4	4.2 X 19	82926	10 X 3/4	4.8 X 19	82942	12 X 1	5.5 X 25
82901	4 X 3/4	2.9 X 19	82906	6 X 3/4	3.5 X 19	82914	8 X 1	4.2 X 25	82928	10 X 1	4.8 X 25	82944	12 X 1 1/4	5.5 X 32
82902	4 X 1	2.9 X 25	82908	6 X 1	3.5 X 25	82916	8 X 1 1/4	4.2 X 32	82930	10 X 1 1/4	4.8 X 32	82946	12 X 1 1/2	5.5 X 38
			82910	6 X 1 1/4	3.5 X 32	82918	8 X 1 1/2	4.2 X 38	82932	10 X 1 1/2	4.8 X 38	82948	12 X 1 3/4	5.5 X 44
			82911	6 X 1 1/2	3.5 X 38	82920	8 X 1 3/4	4.2 X 44	82934	10 X 1 3/4	4.8 X 44	82950	12 X 2	5.5 X 50
						82922	8 X 2	4.2 X 50	82936	10 X 2	4.8 X 50	82952	12 X 2 1/4	5.5 X 57
						82924	8 X 2 1/2	4.2 X 64	82938	10 X 2 1/2	4.8 X 64	82954	12 X 2 1/2	5.5 X 64
									82940	10 X 3	4.8 X 76	82956	12 X 3	5.5 X 76
												82958	12 X 3 1/2	5.5 X 89
												82960	12 X 4	5.5 X 102

Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)
14G / ø6.3mm Thickness 12.08mm Head Size			**16G / ø7.1mm Thickness 12.98mm Head Size**			**18G / ø7.9mm Thickness 14.89mm Head Size**			**20G / ø8.3mm Thickness 15.35mm Head Size**			**24G / ø9.3mm Thickness 18.25mm Head Size**		
82962	14 X 1	6.3 X 25	82978	16 X 1 1/2	7.1 X 38	82992	18 X 2	7.9 X 50	83001	20 X 2	8.3 X 50	83013	24 X 3	9.3 X 76
82964	14 X 1 1/4	6.3 X 32	82979	16 X 1 3/4	7.1 X 44	82994	18 X 2 1/2	7.9 X 64	83002	20 X 2 1/2	8.3 X 64	83012	24 X 3 1/2	9.3 X 89
82966	14 X 1 1/2	6.3 X 38	82980	16 X 2	7.1 X 50	82996	18 X 3	7.9 X 76	83004	20 X 3	8.3 X 76	83011	24 X 4	9.3 X 102
82968	14 X 1 3/4	6.3 X 44	82982	16 X 2 1/4	7.1 X 57	82998	18 X 3 1/2	7.9 X 89	83006	20 X 3 1/2	8.3 X 89	83010	24 X 6	9.3 X 150
82970	14 X 2	6.3 X 50	82984	16 X 2 1/2	7.1 X 64	83000	18 X 4	7.9 X 102	83008	20 X 4	8.3 X 102			
82971	14 X 2 1/4	6.3 X 57	82986	16 X 3	7.1 X 75									
82972	14 X 2 1/2	6.3 X 63	82988	16 X 3 1/2	7.1 X 89									
82974	14 X 3	6.3 X 76	82990	16 X 4	7.1 X 102									
82976	14 X 3 1/2	6.3 X 89												
82977	14 X 4	6.3 X 102												

Silicon Bronze Pozi

Countersunk Woodscrews

Silicon Bronze Decorative

Screw Cups

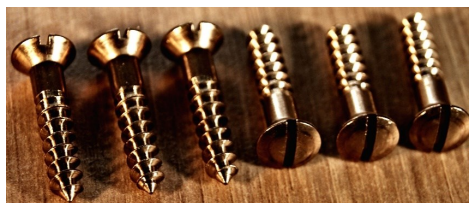| Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)
6G / ø3.5mm Thickness 6.5mm Head Size			**8G / ø4.2mm Thickness 7.88mm Head Size**			**10G / ø4.8mm Thickness 9.25mm Head Size**		
83015	6 X 3/4	3.5 X 19	83017	8 X 3/4	4.2 X 19	83021	10 X 1	4.8 X 25
83016	6 X 1	3.5 X 25	83018	8 X 1	4.2 X 25	83022	10 X 1 1/4	4.8 X 32
			83019	8 X 1 1/4	4.2 X 32	83023	10 X 1 1/2	4.8 X 38
			83020	8 X 1 1/2	4.2 X 38	83024	10 X 2	4.8 X 50

Part No	Description
84550	6G Screw Cup Silicon Bronze
84552	8G Screw Cup Silicon Bronze
84554	10G Screw Cup Silicon Bronze
84556	12G Screw Cup Silicon Bronze
84558	14G Screw Cup Silicon Bronze

Silicon Bronze Woodscrews = 20% standard discount & 30% when you buy 100 or more.

Silicon Bronze Slotted Raised Head Countersunk Woodscrews

Part No	Imperial Size	Metric Size (mm)
4G / ø2.9mm Thickness 5.3mm Head Size		
83147	4 X 1/2	2.9 X 13
83148	4 X 3/4	2.9 X 19

Also known as Oval Head.

Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)
6G / ø3.5mm Thickness 6.5mm Head Size			8G / ø4.2mm Thickness 7.88mm Head Size			10G / ø4.8mm Thickness 9.25mm Head Size			12G / ø5.5mm Thickness 10.28mm Head Size			14G / ø6.3mm Thickness 12.08mm Head Size		
83149	6 X 1/2	3.5 X 13	83154	8 X 1/2	4.2 X 13	83161	10 X 3/4	4.8 X 19	83167	12 X 1	5.5 X 25	83171	14 X 1 1/2	6.3 X 38
83150	6 X 3/4	3.5 X 19	83155	8 X 3/4	4.2 X 19	83162	10 X 1	4.8 X 25	83168	12 X 1 1/4	5.5 X 32	83172	14 X 2	6.3 X 50
83151	6 X 1	3.5 X 25	83156	8 X 1	4.2 X 25	83163	10 X 1 1/4	4.8 X 32	83169	12 X 1 1/2	5.5 X 38	83174	14 X 3	6.3 X 76
83152	6 X 1 1/4	3.5 X 32	83157	8 X 1 1/4	4.2 X 32	83164	10 X 1 1/2	4.8 X 38	83170	12 X 2	5.5 X 50			
83153	6 X 1 1/2	3.5 X 38	83158	8 X 1 1/2	4.2 X 38	83165	10 X 1 3/4	4.8 X 44						
			83159	8 X 1 3/4	4.2 X 44	83166	10 X 2	4.8 X 50						
			83160	8 X 2	4.2 X 50									

Silicon Bronze Slotted Round Head Woodscrews

Part No	Imperial Size	Metric Size (mm)
12G / ø5.5mm Thickness 10.28mm Head Size		
83230	12 X 1	5.5 X 25
83231	12 X 1 1/4	5.5 X 32
83232	12 X 1 1/2	5.5 X 38
83233	12 X 2	5.5 X 50

Part No	Imperial Size	Metric Size (mm)
14G / ø6.3mm Thickness 12.08mm Head Size		
83234	14 X 1	6.3 X 25
83235	14 X 1 1/4	6.3 X 32
83236	14 X 1 1/2	6.3 X 38
83237	14 X 2	6.3 X 50

Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)	Part No	Imperial Size	Metric Size (mm)
4G / ø2.9mm Thickness 5.3mm Head Size			6G / ø3.5mm Thickness 6.5mm Head Size			8G / ø4.2mm Thickness 7.88mm Head Size			10G / ø4.8mm Thickness 9.25mm Head Size		
83201	4 X 1/2	2.9 X 13	83204	6 X 1/2	3.5 X 13	83211	8 X 1/2	4.2 X 13	83222	10 X 3/4	4.8 X 19
83202	4 X 3/4	2.9 X 19	83205	6 X 3/4	3.5 X 19	83212	8 X 3/4	4.2 X 19	83223	10 X 1	4.8 X 25
83203	4 X 1	2.9 X 25	83206	6 X 1	3.5 X 25	83213	8 X 1	4.2 X 25	83224	10 X 1 1/4	4.8 X 32
			83207	6 X 1 1/4	3.5 X 32	83214	8 X 1 1/4	4.2 X 32	83225	10 X 1 1/2	4.8 X 38
			83208	6 X 1 1/2	3.5 X 38	83215	8 X 1 1/2	4.2 X 38	83226	10 X 1 3/4	4.8 X 44
			83209	6 X 1 3/4	3.5 X 44	83216	8 X 1 3/4	4.2 X 44	83227	10 X 2	4.8 X 50
			83210	6 X 2	3.5 X 50	83217	8 X 2	4.2 X 50			

Silicon Bronze Slotted Countersunk Machine Screws

Part No	Imperial Size
3/8	
84354	3/8 X 1 1/2
84356	3/8 X 2
84358	3/8 X 2 1/2
84360	3/8 X 3
84362	3/8 X 3 1/2
84364	3/8 X 4
84365	3/8 X 4 1/2
84366	3/8 X 5
84368	3/8 X 6
84370	3/8 X 7
84374	3/8 X 8

Part No	Imperial Size	Part No	Imperial Size	Part No	Imperial Size	Part No	Imperial Size
3/16		1/4		5/16		1/2	
84280	3/16 X 1	84293	1/4 X 1	84324	5/16 X 1 1/2	84391	1/2 X 4
84282	3/16 X 1 1/4	84296	1/4 X 1 1/2	84326	5/16 X 2	84395	1/2 X 6
84284	3/16 X 1 1/2	84300	1/4 X 2	84328	5/16 X 2 1/2	84397	1/2 X 7
84286	3/16 X 2	84302	1/4 X 2 1/2	84330	5/16 X 3	84399	1/2 X 8
84288	3/16 X 2 1/2	84304	1/4 X 3	84332	5/16 X 3 1/2	84409	1/2 X 12
84292	3/16 X 3	84305	1/4 X 3 1/2	84334	5/16 X 4		
		84307	1/4 X 4				

Silicon Bronze Slotted Round Head Machine Screws

Part No	Imperial Size	Part No	Imperial Size	Part No	Imperial Size	Part No	Imperial Size
3/16		**1/4**		**5/16**		**3/8**	
83270	3/16 X 1	83277	1/4 X 1	83289	5/16 X 1 1/2	83297	3/8 X 1 1/2
83271	3/16 X 1 1/4	83279	1/4 X 1 1/2	83291	5/16 X 2	83298	3/8 X 2
83272	3/16 X 1 1/2	83281	1/4 X 2	83293	5/16 X 2 1/2	83300	3/8 X 2 1/2
83274	3/16 X 2	83283	1/4 X 2 1/2	83295	5/16 X 3	83302	3/8 X 3
		83285	1/4 X 3				

Silicon Bronze Hex Setscrews
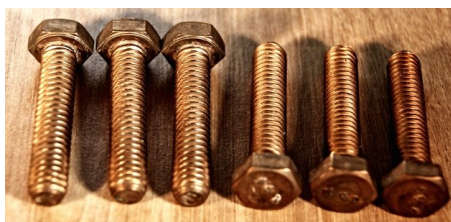
Most are threaded all of the way.

Part No	Imperial Size	Part No	Imperial Size	Part No	Imperial Size	Part No	Imperial Size
1/4		**5/16**		**3/8**		**1/2**	
83030	1/4 X 1	83044	5/16 X 1 1/2	83062	3/8 X 1 1/2	83080	1/2 X 2
83032	1/4 X 1 1/2	83046	5/16 X 2	83064	3/8 X 2	83082	1/2 X 2 1/2
83034	1/4 X 2	83048	5/16 X 2 1/2	83066	3/8 X 2 1/2	83084	1/2 X 3
83036	1/4 X 2 1/2	83050	5/16 X 3	83068	3/8 X 3	83086	1/2 X 3 1/2
83038	1/4 X 3	83052	5/16 X 3 1/2	83070	3/8 X 3 1/2	83088	1/2 X 4
83040	1/4 X 3 1/2	83054	5/16 X 4	83072	3/8 X 4	83090	1/2 X 4 1/2
83042	1/4 X 4	83056	5/16 X 4 1/2	83074	3/8 X 4 1/2	83092	1/2 X 5
		83058	5/16 X 5	83076	3/8 X 5	83094	1/2 X 6
		83060	5/16 X 6	83078	3/8 X 6		

Silicon Bronze Cup Square Bolts
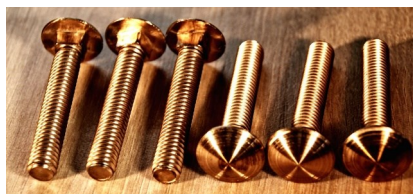
Also known as Carriage Bolts.

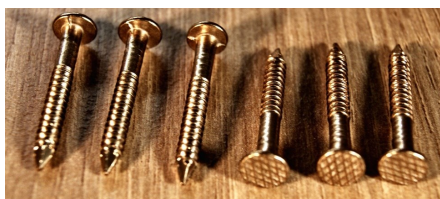| Part No	Imperial Size	Part No	Imperial Size	Part No	Imperial Size	Part No	Imperial Size
1/4		**5/16**		**3/8**		**1/2**	
84036	1/4 X 2	84066	5/16 X 2	84098	3/8 X 2	84134	1/2 X 2 1/2
84038	1/4 X 2 1/2	84068	5/16 X 2 1/2	84100	3/8 X 2 1/2	84136	1/2 X 3
84040	1/4 X 3	84070	5/16 X 3	84102	3/8 X 3	84138	1/2 X 3 1/2
84042	1/4 X 3 1/2	84072	5/16 X 3 1/2	84104	3/8 X 3 1/2	84140	1/2 X 4
84044	1/4 X 4	84074	5/16 X 4	84106	3/8 X 4	84142	1/2 X 4 1/2
84046	1/4 X 4 1/2	84076	5/16 X 4 1/2	84108	3/8 X 4 1/2	84144	1/2 X 5
84050	1/4 X 5	84078	5/16 X 5	84110	3/8 X 5	84146	1/2 X 5 1/2
84052	1/4 X 5 1/2	84080	5/16 X 5 1/2	84112	3/8 X 5 1/2	84148	1/2 X 6
84054	1/4 X 6	84082	5/16 X 6	84114	3/8 X 6	84150	1/2 X 6 1/2
84056	1/4 X 6 1/2	84084	5/16 X 6 1/2	84116	3/8 X 6 1/2	84152	1/2 X 7
84058	1/4 X 7	84086	5/16 X 7	84118	3/8 X 7	84154	1/2 X 7 1/2
84060	1/4 X 8	84088	5/16 X 8	84120	3/8 X 7 1/2	84156	1/2 X 8
		84092	5/16 X 10	84122	3/8 X 8	84158	1/2 X 9
		84096	5/16 X 12	84124	3/8 X 9	84160	1/2 X 10
				84126	3/8 X 10	84162	1/2 X 11
				84128	3/8 X 11	84164	1/2 X 12
				84130	3/8 X 12		

Silicon Bronze Hex Head Coach Screws
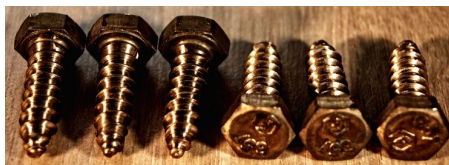
Also known as Lag Bolts.

Part No	Imperial Size	Part No	Imperial Size	Part No	Imperial Size	Part No	Imperial Size
1/4		**5/16**		**3/8**		**1/2**	
84180	1/4 X 1	84213	5/16 X 1	84230	3/8 X 1 1/2	84252	1/2 X 3
84184	1/4 X 1 1/2	84215	5/16 X 1 1/2	84232	3/8 X 2	84256	1/2 X 4
84185	1/4 X 1 3/4	84216	5/16 X 2	84234	3/8 X 2 1/2	84258	1/2 X 4 1/2
84186	1/4 X 2	84218	5/16 X 2 1/2	84236	3/8 X 3	84260	1/2 X 5
84188	1/4 X 2 1/2	84220	5/16 X 3	84238	3/8 X 3 1/2	84262	1/2 X 6
84190	1/4 X 3	84222	5/16 X 3 1/2	84240	3/8 X 4		
		84224	5/16 X 4	84242	3/8 X 4 1/2		
		84225	5/16 X 4 1/2	84244	3/8 X 5		
		84226	5/16 X 5	84246	3/8 X 6		
		84228	5/16 X 6				

Silicon Bronze Gripfast Nails

Part No	Imperial Size	Metric Size (mm)	Nails Per Kilo (Approx)
14G / ø2.06mm Thickness 4.5mm Head Size			
85568	14 X 3/4	2.06 X 19	1736
85572	14 X 1	2.06 X 25	1342
85574	14 X 1 1/4	2.06 X 32	962
12G / ø2.9mm Thickness 6.35mm Head Size			
85576	12 X 3/4	2.9 X 19	968
85580	12 X 1	2.9 X 25	750
85582	12 X 1 1/4	2.9 X 32	593
85584	12 X 1 1/2	2.9 X 38	506
85586	12 X 1 3/4	2.9 X 45	438
85588	12 X 2	2.9 X 50	383
85590	12 X 2 1/2	2.9 X 62	300
10G / ø3.5mm Thickness 7.44mm Head Size			
85592	10 X 1	3.5 X 25	464
85594	10 X 1 1/4	3.5 X 32	385
85596	10 X 1 1/2	3.5 X 38	327
85598	10 X 1 3/4	3.5 X 45	261
85600	10 X 2	3.5 X 50	242
85602	10 X 2 1/2	3.5 X 62	197
85604	10 X 3	3.5 X 75	165
8G / ø4.2mm Thickness 9.78mm Head Size			
85608	8 X 2	4.2 X 50	166
85612	8 X 2 1/2	4.2 X 62	132
85614	8 X 3	4.2 X 75	110
85616	8 X 4	4.2 x 102	90

Silicon Bronze UNC Nuts & Washers

Full Nuts

Part No	Size
84530	3/16
84532	1/4
84534	5/16
84536	3/8
84538	1/2
84540	5/8
84542	3/4
84544	7/8
84546	1

Flat Washers

Part No	Size	Outside Diameter mm
84510	3/16	11mm
84512	1/4	14.28mm
84514	5/16	19.15mm
84516	3/8	22.18mm
84518	1/2	31.73mm
84520	5/8	38.08mm
84522	3/4	47.55mm
84524	7/8	57.10mm
84526	1	63.36mm

Silicon Bronze Studding 3ft lengths
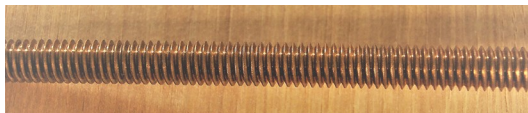
Part No	Size
84410	1/4" X 3'
84412	5/16" X 3'
84414	3/8" X 3'
84416	1/2" X 3'
84418	5/8" X 3'
84420	3/4" X 3'

Copper Boat Nails

Copper Nails, Copper Roves and Copper Tacks are sold by weight (grams and kilos). It is useful therefore to use the approximate quantity per kilo column to work out how many pieces you get per kilo or 1000 grams.

Part No	Nail Gauge x Length	Metric Size (mm)	Approximate Quantity Per 1 KG (1000 grams)
16G / ø1.63mm Thickness 3.85mm Head Size			
85432	16 X 5/8	1.63 X 16	2645
85434	16 X 3/4	1.63 X 19	2200
85436	16 X 1	1.63 X 25	1507
14G / ø2.03mm Thickness 5.44mm Head Size			
85438	14 X 1	2.03 X 25	1055
85440	14 X 1 1/4	2.03 X 32	845
85442	14 X 1 1/2	2.03 X 38	705
85444	14 X 1 3/4	2.03 X 44	600
85446	14 X 2	2.03 X 51	510
13G / ø2.34mm Thickness 6.16mm Head Size			
85448	13 X 1	2.34 X 25	775
85450	13 X 1 1/4	2.34 X 32	590
85452	13 X 1 1/2	2.34 X 38	505
85454	13 X 1 3/4	2.34 X 44	440
12G / ø2.64mm Thickness 6.41mm Head Size			
85456	12 X 1	2.64 X 25	675
85460	12 X 1 1/4	2.64 X 32	475
85462	12 X 1 1/2	2.64 X 38	400
85464	12 X 1 3/4	2.64 X 44	350
85466	12 X 2	2.64 X 51	300
85468	12 X 2 1/2	2.64 X 64	265

Part No	Nail Gauge x Length	Metric Size (mm)	Approximate Quantity Per 1 KG (1000 grams)
10G / ø3.25mm Thickness 8.58mm Head Size			
85470	10 X 1 1/4	3.25 X 32	250
85472	10 X 1 1/2	3.25 X 38	220
85474	10 X 2	3.25 X 51	200
85476	10 X 2 1/2	3.25 X 64	180
85478	10 X 3	3.25 X 76	140
85480	10 X 3 1/2	3.25 X 89	120
85482	10 X 4	3.25 X 102	105
9G / ø3.66mm Thickness 8.82mm Head Size			
85484	9 X 2 1/2	3.66 X 64	125
85486	9 X 3	3.66 X 76	115
8G / ø4.06mm Thickness 9.94mm Head Size			
85488	8 X 2	4.06 X 51	133
85490	8 X 2 1/2	4.06 X 64	95
85492	8 X 3	4.06 X 76	80
85494	8 X 4	4.06 X 102	65
85495	8 X 5	4.06 X 125	
6G / ø4.88mm Thickness 11mm Head Size			
85496	6 X 4	4.88 X 102	50
85497	6 X 4 1/2	4.88 X 112	45
85498	6 X 5	4.88 X 127	40
85500	6 X 6	4.88 X 152	35

Copper Roves
500 gram boxes

Part No	Diameter	Gauge	Approximate Quantity Per 1 KG (1000 grams)
85520	5/16 (8mm)	14g (2.03mm)	2325
85522	3/8 (10mm)	13g (2.03mm)	1450
85524	7/16 (11mm)	12g (2.64mm)	950
85526	1/2 (13mm)	10g (3.25mm)	700
85528	9/16 (14mm)	9g (3.66mm)	525
85530	5/8 (16mm)	8g (4.06mm)	400
85532	3/4 (19mm)	6g (4.88mm)	225

Copper Tacks
Sold by Weight

Part No	Size	Approximate Quantity Per 1 KG (1000 grams)
82880	1/2" (13mm)	1966
82882	5/8" (16mm)	1929
82884	3/4" (19mm)	1611
82886	1" (25mm)	1295

Fastenings Galvanised

All of our Galvanised fittings are hot dipped and are galvanised to: BS EN ISO 1461:1999

Galvanised Hex Head Bolts

Part No	Metric Size
M10	
84602	M10 X 30
84604	M10 X 35
84606	M10 X 40
84608	M10 X 45
84610	M10 X 50
84612	M10 X 55
84614	M10 X 60
84616	M10 X 65
84618	M10 X 70
84620	M10 X 75
84622	M10 X 80
84624	M10 X 90
84626	M10 X 100
84628	M10 X 110
84630	M10 X 120
84632	M10 X 130
84634	M10 X 140
84636	M10 X 150
84638	M10 X 160
84640	M10 X 180
84642	M10 X 200
84644	M10 X 220
84645	M10 X 240

Part No	Metric Size
M12	
84646	M12 X 30
84650	M12 X 40
84652	M12 X 45
84654	M12 X 50
84656	M12 X 55
84658	M12 X 60
84660	M12 X 65
84662	M12 X 70
84664	M12 X 75
84666	M12 X 80
84668	M12 X 90
84670	M12 X 100
84672	M12 X 110
84674	M12 X 120
84676	M12 X 130
84678	M12 X 140
84680	M12 X 150
84682	M12 X 160
84684	M12 X 180
84686	M12 X 200
84688	M12 X 220
84690	M12 X 240
84692	M12 X 300

Part No	Metric Size
M16	
84694	M16 X 50
84696	M16 X 55
84698	M16 X 60
84700	M16 X 65
84702	M16 X 70
84704	M16 X 75
84706	M16 X 80
84708	M16 X 90
84710	M16 X 100
84712	M16 X 110
84714	M16 X 120
84716	M16 X 130
84718	M16 X 140
84720	M16 X 150
84722	M16 X 160
84724	M16 X 180
84726	M16 X 200
84728	M16 X 220
84729	M16 X 260
84731	M16 X 280
84730	M16 X 300
84732	M16 X 350

Part No	Metric Size
M20	
84734	M20 X 50
84736	M20 X 60
84738	M20 X 75
84740	M20 X 100
84742	M20 X 120
84744	M20 X 130
84746	M20 X 150
84748	M20 X 160
84750	M20 X 180
84752	M20 X 200
84754	M20 X 240
84756	M20 X 300

Part No	Metric Size
M8	
84576	M8 X 30
84580	M8 X 40
84582	M8 X 45
84584	M8 X 50
84586	M8 X 55
84588	M8 X 60
84590	M8 X 65
84592	M8 X 70
84594	M8 X 75
84596	M8 X 80
84598	M8 X 90
84600	M8 X 100

Galvanised Full Nuts
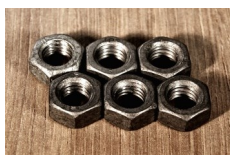
Part No	Size
85180	M6
85182	M8
85184	M10
85186	M12
85188	M16
85190	M20

Galvanised Nylocs

Part No	Size
85192	M8
85194	M10
85196	M12
85198	M16
85199	M20

Galvanised Washers

Part No	Size	Outside Diameter mm
85210	M6 (1/4")	16mm
85212	M8 (5/16")	16mm
85216	M10 (3/8")	21mm
85218	M12 (1/2")	24mm
85220	M16 (5/8")	30mm
85222	M20 (3/4")	37mm

Galvanised Penny Washers

Part No	Size	Outside Diameter mm
85200	M6 (1/4")	18mm
85201	M8 (5/16")	38mm
85202	M10 (3/8")	30mm
85203	M12 (1/2")	37mm
85204	M16 (5/8")	48mm
85205	M20 (3/4")	60mm

Round Plate Washer

Part No	Size
85242	M10
85244	M12
85246	M16
85248	M20

Galvanised Studding
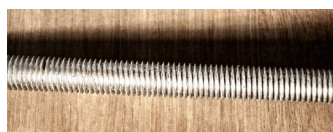
Part No	Size
85168	M8 X 1m
85170	M10 X 1m
85172	M12 X 1m
85174	M16 X 1m
85176	M20 X 1m

Galvanised Square Plate Washers

Part No	Size
85230	M8 X 2" (50mm) Square
85232	M10 X 2" (50mm) Square
85234	M12 X 2" (50mm) Square
85236	M16 X 2" (50mm) Square
85238	M20 X 2.5" (64mm) Square

Galvanised Spring Washers
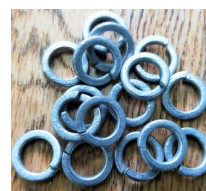
Part No	Size
85150	M6 (1/4")
85151	M8 (5/16")
85152	M10 (3/8")
85153	M12 (1/2")
85154	M16 (5/8")
85155	M20 (3/4")

Galvanised Cup Square Bolts

Part No	Metric Size	Part No	Metric Size	Part No	Metric Size	Part No	Metric Size	Part No	Metric Size
M8		**M10**		**M12**		**M16**		**M20**	
84791	M8 X 25	84834	M10 X 30	84888	M12 X 40	84942	M16 X 40	85002	M20 X 100
84792	M8 X 30	84836	M10 X 40	84892	M12 X 50	84944	M16 X 50	85004	M20 X 110
84796	M8 X 40	84840	M10 X 45	84894	M12 X 55	84946	M16 X 60	85006	M20 X 130
84798	M8 X 45	84842	M10 X 50	84898	M12 X 65	84948	M16 X 65	85008	M20 X 140
84800	M8 X 50	84844	M10 X 55	84902	M12 X 75	84950	M16 X 70	85010	M20 X 150
84802	M8 X 55	84848	M10 X 65	84904	M12 X 80	84952	M16 X 75	85012	M20 X 160
84806	M8 X 65	84850	M10 X 70	84906	M12 X 90	84954	M16 X 80	85014	M20 X 180
84808	M8 X 70	84852	M10 X 75	84908	M12 X 100	84956	M16 X 90	85016	M20 X 200
84810	M8 X 75	84854	M10 X 80	84910	M12 X 110	84958	M16 X 100	85018	M20 X 220
84812	M8 X 80	84856	M10 X 90	84914	M12 X 130	84960	M16 X 110	85020	M20 X 240
84814	M8 X 90	84858	M10 X 100	84915	M12 X 140	84962	M16 X 120	85022	M20 X 260
84816	M8 X 100	84860	M10 X 110	84918	M12 X 150	84963	M16 X 130	85024	M20 X 280
84818	M8 X 110	84864	M10 X 130	84920	M12 X 160	84964	M16 X 140	85026	M20 X 300
84822	M8 X 130	84866	M10 X 140	84922	M12 X 180	84966	M16 X 150	85028	M20 X 350
84824	M8 X 140	84868	M10 X 150	84924	M12 X 200	84968	M16 X 160	85030	M20 X 400
84826	M8 X 150	84870	M10 X 160	84926	M12 X 220	84970	M16 X 180		
84828	M8 X 160	84872	M10 X 180	84928	M12 X 230	84972	M16 X 200		
84830	M8 X 180	84874	M10 X 200	84930	M12 X 240	84974	M16 X 220		
84832	M8 X 200	84876	M10 X 220	84932	M12 X 260	84976	M16 X 240		
		84880	M10 X 240	84934	M12 X 280	84978	M16 X 260		
		84882	M10 X 260	84936	M12 X 300	84980	M16 X 280		
		84884	M10 X 280	84938	M12 X 350	84982	M16 X 300		
		84886	M10 X 300			84984	M16 X 350		
						84986	M16 X 400		

Galvanised Hex Head Coach Screws

Part No	Metric Size	Part No	Metric Size	Part No	Metric Size
M8		**M10**		**M12**	
85364	M8 x 40	85375	M10 x 40	85386	M12 x 40
85365	M8 x 50	85376	M10 x 50	85387	M12 x 50
85366	M8 x 60	85377	M10 x 65	85388	M12 x 60
85367	M8 x 70	85378	M10 x 75	85389	M12 x 75
85368	M8 x 75	85379	M10 x 80	85390	M12 x 90
85369	M8 x 80	85380	M10 x 90	85391	M12 x100
85370	M8 x 90	85381	M10 x 100	85392	M12 x 130
85371	M8 x 100	85382	M10 x 120	85393	M12 x 150
85372	M8 x 120	85383	M10 x 150	85406	M12 x 160
85373	M8 x 130	85384	M10 x 180	85394	M12 x 180
85374	M8 x 150	85385	M10 x 200	85395	M12 x 200

Part No	Metric Size	Part No	Metric Size
M16		**M20**	
85396	M16 x 75	85402	M20 x 125
85397	M16 x 100	85403	M20 x 150
85398	M16 x 120	85404	M20 x 175
85399	M16 x 150	85405	M20 x 200
85400	M16 x 175		
85401	M16 x 200		

Galvanised Countersunk Slotted Woodscrews
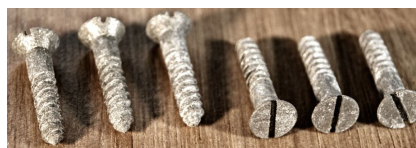
Hot dipped galvanized products are steel that are dipped into zinc to give a protective coating. They are typically used in wood construction.

Part No	Size	Part No	Size
8G / ø4.2mm		**12G / ø5.5mm**	
85250	8 x 1 1/2	85266	12 x 2
85252	8 x 1 3/4	85268	12 x 2 1/2
85254	8 x 2	85270	12 x 3
10G / ø4.8mm		**14G / ø6.3mm**	
85256	10 x 1	85274	14 x 2
85258	10 x 1 1/2	85276	14 x 2 1/2
85260	10 x 2	85278	14 x 3
85262	10 x 2 1/2		
85264	10 x 3		

Galvanised Boat Nails

Sold in grams and kilos. These nails are sold by weight.

Part No	Size Inches	Nails Per Kilo (Approx)
85340	2” (51mm)	106
85342	2 1/2” (64mm)	98
85344	3” (76mm)	60
85346	3 1/2” (89mm)	50
85348	4” (102mm)	48
85350	4 1/2” (114mm)	24
85352	5” (127mm)	22
85354	6” (152mm)	14

Stainless Socket Allen Key Countersunk Machine Screws
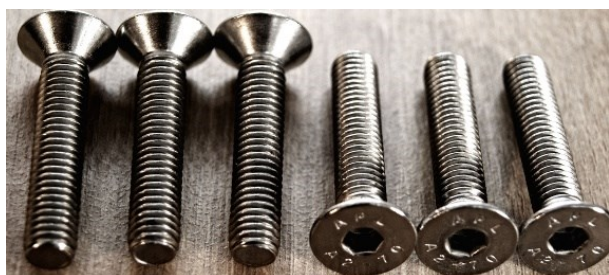
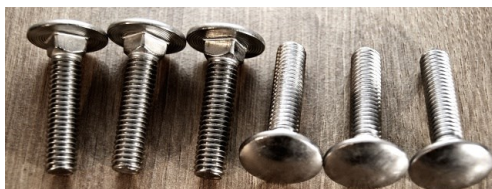**A2 (308) Stainless steel is suitable for use above the waterline.**

A4 (316) Stainless Steel is suitable for use above and below the waterline.

A2 Grade (308)	Size	A2 Grade (308)	A4 Grade (316)	Size	A2 Grade (308)	A4 Grade (316)	Size
M3		**M4**			**M5**		
86000	M3 X 6	86018	86900	M4 X 10	86034	-	M5 X 10
86002	M3 X 8	86020	86898	M4 X 12	86036	-	M5 X 12
86004	M3 X 10	86022	86899	M4 X 16	86038	-	M5 X 16
86006	M3 X 12	86024	86887	M4 X 20	86040	86823	M5 X 20
86008	M3 X 16	86026	86888	M4 X 25	86042	86824	M5 X 25
86010	M3 X 20	86028	86889	M4 X 30	86044	86825	M5 X 30
86012	M3 X 25	-	86901	M4 X 35	86046	86892	M5 X 35
86014	M3 X 30	86032	86890	M4 X 40	86048	86827	M5 X 40
86015	M3 X 50	86033	86891	M4 X 50	86052	86829	M5 X 50
		-	86896	M4 X 60			
		-	86897	M4 X 70			

A2 Grade (308)	A4 Grade (316)	Size
M6		
86054	-	M6 X 12
86056	-	M6 X 16
86058	86832	M6 X 20
86060	86833	M6 X 25
86062	86834	M6 X 30
86064	86893	M6 X 35
86066	86836	M6 X 40
86068	-	M6 X 45
86070	86839	M6 X 50
86074	86841	M6 X 60
86076	-	M6 X 70
-	86843	M6 X 80
-	86845	M6 X 100

A2 Grade (308)	A4 Grade (316)	Size
M8		
86078	-	M8 X 16
86080	86847	M8 X 20
86082	86848	M8 X 25
86084	86849	M8 X 30
86088	86851	M8 X 40
86100	86853	M8 X 50
86104	86855	M8 X 60
86106	-	M8 X 70
86108	86857	M8 X 80
86110	-	M8 X 90
86112	86860	M8 X 100

A2 Grade (308)	A4 Grade (316)	Size
M10		
86114	86861	M10 X 20
86116	86862	M10 X 25
86118	86863	M10 X 30
-	86894	M10 X 35
86122	86865	M10 X 40
86126	86867	M10 X 50
86130	86869	M10 X 60
86132	-	M10 X 70
86134	86871	M10 X 80
86136	-	M10 X 90
86138	86873	M10 X 100

A2 Grade (308)	A4 Grade (316)	Size
M12		
-	86874	M12 X 20
86140	86875	M12 X 25
86142	86876	M12 X 30
-	86895	M12 X 35
86146	86878	M12 X 40
86150	86880	M12 X 50
86154	86882	M12 X 60
86156	-	M12 X 70
86158	86884	M12 X 80
86160	-	M12 X 90
86162	86886	M12 X 100

Stainless Socket Allen Key Cap Machine Screws
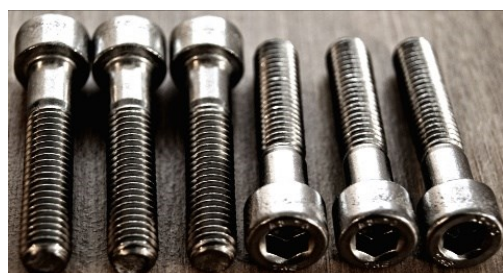
A4 (316) Stainless Steel is suitable for use above and below the waterline.

A4 Grade (316)	Size
M3	
87000	M3 X 12
87001	M3 X 16
87002	M3 X 20
87003	M3 X 25
87004	M3 X 40

A4 Grade (316)	Size
M4	
87011	M4 X 12
87012	M4 X 16
87013	M4 X 20
87014	M4 X 25
87015	M4 X 30
87016	M4 X 40
87017	M4 X 50

A4 Grade (316)	Size
M5	
87020	M5 X 12
87021	M5 X 16
87023	M5 X 25
87024	M5 X 30
87025	M5 X 40
87026	M5 X 50

A4 Grade (316)	Size
M6	
87030	M6 X 12
87031	M6 X 16
87032	M6 X 20
87033	M6 X 25
87034	M6 X 30
87038	M6 X 50
87039	M6 X 60
87041	M6 X 75
87043	M6 X 90
87044	M6 X 100

Stainless Fastenings = 30% standard discount & 60% when you buy 100 or more.

Stainless Socket Allen Key Cap Machine Screws

A4 (316) Stainless Steel is suitable for use above and below the waterline.

A4 Grade (316)	Size	A4 Grade (316)	Size	A4 Grade (316)	Size
M8		**M10**		**M12**	
87050	M8 X 12	87070	M10 X 16	87090	M12 X 25
87051	M8 X 16	87071	M10 X 20	87091	M12 X 30
87052	M8 X 20	87072	M10 X 25	87092	M12 X 40
87053	M8 X 25	87073	M10 X 30	87093	M12 X 50
87054	M8 X 30	87074	M10 X 40	87094	M12 X 60
87055	M8 X 40	87075	M10 X 50	87096	M12 X 75
87057	M8 X 50	87076	M10 X 60	87097	M12 X 80
87058	M8 X 60	87077	M10 X 70	87098	M12 X 90
87061	M8 X 75	87080	M10 X 100	87099	M12 X 100
87062	M8 X 80	87081	M10 X 110		
87063	M8 X 90	87082	M10 X 120		
87064	M8 X 100				
87065	M8 X 120				

Stainless Socket Button Allen Key Machine Screws

A4 (316) Stainless Steel is suitable for use above and below the waterline.

A4 Grade (316)	Size	A4 Grade (316)	Size	A4 Grade (316)	Size	A4 Grade (316)	Size	A4 Grade (316)	Size	A4 Grade (316)	Size
M4		**M5**		**M6**		**M8**		**M10**		**M12**	
86815	M4 X 10	86818	M5 X 10	86820	M6 X 10	86740	M8 X 12	86748	M10 X 12	86800	M12 X 20
86720	M4 X 12	86726	M5 X 12	86732	M6 X 12	86741	M8 X 20	86749	M10 X 20	86802	M12 X 25
86816	M4 X 16	86819	M5 X 16	86821	M6 X 16	86742	M8 X 25	86750	M10 X 25	86804	M12 X 30
86721	M4 X 20	86727	M5 X 20	86733	M6 X 20	86743	M8 X 30	86751	M10 X 30	86806	M12 X 40
86722	M4 X 25	86728	M5 X 25	86734	M6 X 25	86744	M8 X 40	86752	M10 X 40	86808	M12 X 50
86723	M4 X 30	86729	M5 X 30	86735	M6 X 30	86745	M8 X 50	86753	M10 X 50	86810	M12 X 60
86724	M4 X 40	86730	M5 X 40	86736	M6 X 40	86780	M8 X 60	86790	M10 X 60	86812	M12 X 80
86725	M4 X 50	86731	M5 X 50	86737	M6 X 50	86746	M8 X 75	86754	M10 X 75	86814	M12 X 100
86817	M4 X 60	86760	M5 X 60	86770	M6 X 60	86782	M8 X 80	86792	M10 x 80		
		86762	M5 X 80	86738	M6 X 75	86747	M8 X 100	86755	M10 X 100		
				86772	M6 X 80						
				86739	M6 X 100						

Stainless Fastenings = 30% standard discount & 60% when you buy 100 or more.

Stainless Cup Square Bolts

A2 (308) Stainless steel is suitable for use above the waterline.

A2 Grade (308)	Size	A2 Grade (308)	Size	A2 Grade (308)	Size	A2 Grade (308)	Size
M6		**M8**		**M10**		**M12**	
86170	M6 X 20	86190	M8 X 20	86212	M10 X 20	86166	M12 X 100
86172	M6 X 25	86192	M8 X 25	86214	M10 X 25	86167	M12 X 130
86174	M6 X 30	86194	M8 X 30	86216	M10 X 30		
86176	M6 X 35	86196	M8 X 35	86218	M10 X 35		
86178	M6 X 40	86198	M8 X 40	86220	M10 X 40		
86182	M6 X 50	86202	M8 X 50	86224	M10 X 50		
86186	M6 X 60	86206	M8 X 60	86228	M10 X 60		
86188	M6 X 70	86208	M8 X 70	86230	M10 X 70		
		86210	M8 X 80	86232	M10 X 80		
		86211	M8 X 100	86233	M10 X 100		

Stainless Coach Screws
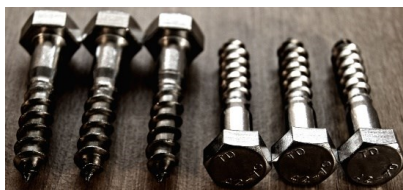
A2 (308) Stainless steel is suitable for use above the waterline.

A2 Grade (308)	Size	A2 Grade (308)	Size	A2 Grade (308)	Size	A2 Grade (308)	Size
M6		**M8**		**M10**		**M12**	
80940	M6 X 30	80950	M8 X 40	80960	M10 X 50	80970	M12 X 50
80941	M6 X 40	80951	M8 X 50	80961	M10 X 60	80971	M12 X 60
80942	M6 X 50	80952	M8 X 60	80962	M10 X 70	80972	M12 X 70
80943	M6 X 60	80953	M8 X 70	80963	M10 X 80	80973	M12 X 80
80944	M6 X 70	80954	M8 X 80	80964	M10 X 90	80975	M12 X 90
80945	M6 X 80	80955	M8 X 90	80965	M10 X 100	80976	M12 X 100
80946	M6 X 90	80956	M8 X 100	80966	M10 X 120	80977	M12 X 120
80947	M6 X 100					80978	M12 X 150

Countersunk Torx Self Tapper A4

A4 (316) Stainless Steel is suitable for use above and below the waterline.

A4 Grade (316)	Imperial Size	Metric Size (mm)	A4 Grade (316)	Imperial Size	Metric Size (mm)	A4 Grade (316)	Imperial Size	Metric Size (mm)
4G / ø2.9mm			**6G / ø3.5mm**			**8G / ø4.2mm**		
86601	4 X 1/2	2.9 X 13mm	86608	6 X 3/8	3.5 X 10mm	86617	8 X 3/8	3.9 X 10mm
86602	4 X 5/8	2.9 X 16mm	86609	6 X 1/2	3.5 X 13mm	86618	8 X 1/2	3.9 X 13mm
86603	4 X 3/4	2.9 X 19mm	86610	6 X 5/8	3.5 X 16mm	86619	8 X 5/8	3.9 X 16mm
86604	4 X 1	2.9 X 25mm	86611	6 X 3/4	3.5 X 19mm	86620	8 X 3/4	3.9 X 19mm
86605	4 X 1 1/4	2.9 X 32mm	86591	6 X 7/8	3.5 X 22mm	86592	8 X 7/8	3.9 X 22mm
			86612	6 X 1	3.5 X 25mm	86621	8 X 1	3.9 X 25mm
			86613	6 X 1 1/4	3.5 X 32mm	86622	8 X 1 1/4	3.9 X 32mm
			86614	6 X 1 1/2	3.5 X 38mm	86623	8 X 1 1/2	3.9 X 38mm
			86615	6 X 1 3/4	3.5 X 45mm	86624	8 X 1 3/4	3.9 X 45mm
			86616	6 X 2	3.5 X 50mm	86625	8 X 2	3.9 X 50mm

A4 Grade (316)	Imperial Size	Metric Size (mm)	A4 Grade (316)	Imperial Size	Metric Size (mm)	A4 Grade (316)	Imperial Size	Metric Size (mm)
10G / ø4.8mm			**12G / ø5.5mm**			**14G / ø 6.3mm**		
86626	10 X 3/8	4.8 X 10mm	86636	12 X 1/2	5.5 X 13mm	86643	14 X 5/8	6.3 X 16mm
86627	10 X 1/2	4.8 X 13mm	86637	12 X 5/8	5.5 X 16mm	86644	14 X 3/4	6.3 X 19mm
86628	10 X 5/8	4.8 X 16mm	86638	12 X 3/4	5.5 X 19mm	86645	14 X 1	6.3 X 25mm
86629	10 X 3/4	4.8 X 19mm	86594	12 X 7/8	5.5 X 22mm	86646	14 X 1 1/4	6.3 X 32mm
86630	10 X 1	4.8 X 25mm	86639	12 X 1	5.5 X 25mm	86647	14 X 1 1/2	6.3 X 38mm
86631	10 X 1 1/4	4.8 X 32mm	86640	12 X 1 1/4	5.5 X 32mm	86648	14 X 1 3/4	6.3 X 45mm
86632	10 X 1 1/2	4.8 X 38mm	86641	12 X 1 1/2	5.5 X 38mm			
86633	10 X 1 3/4	4.8 X 45mm	86642	12 X 1 3/4	5.5 X 45mm			
86634	10 X 2	4.8 X 50mm						

Pan Head Torx Self Tapper A4

A4 Grade (316)	Imperial Size	Metric Size (mm)
4G / ø2.9mm		
86650	4 X 3/8	2.9 X 10mm
86651	4 X 1/2	2.9 X 13mm
86652	4 X 5/8	2.9 X 16mm
86653	4 X 3/4	2.9 X 19mm
86654	4 X 1	2.9 X 25mm
86655	4 X 1 1/4	2.9 X 32mm

A4 Grade (316)	Imperial Size	Metric Size (mm)
6G / ø3.5mm		
86657	6 X 3/8	3.5 X 10mm
86658	6 X 1/2	3.5 X 13mm
86659	6 X 5/8	3.5 X 16mm
86660	6 X 3/4	3.5 X 19mm
86661	6 X 1	3.5 X 25mm
86662	6 X 1 1/4	3.5 X 32mm
86663	6 X 1 1/2	3.5 X 38mm
86664	6 X 1 3/4	3.5 X 45mm

A4 Grade (316)	Imperial Size	Metric Size (mm)
8G / ø4.2mm		
86665	8 X 3/8	3.9 X 10mm
86666	8 X 1/2	3.9 X 13mm
86667	8 X 5/8	3.9 X 16mm
86668	8 X 3/4	3.9 X 19mm
86669	8 X 1	3.9 X 25mm
86670	8 X 1 1/4	3.9 X 32mm
86671	8 X 1 1/2	3.9 X 38mm
86672	8 X 1 3/4	3.9 X 45mm

A4 Grade (316)	Imperial Size	Metric Size (mm)
10G / ø4.8mm		
86674	10 X 3/8	4.8 X 10mm
86675	10 X 1/2	4.8 X 13mm
86676	10 X 5/8	4.8 X 16mm
86677	10 X 3/4	4.8 X 19mm
86678	10 X 1	4.8 X 25mm
86679	10 X 1 1/4	4.8 X 32mm
86680	10 X 1 1/2	4.8 X 38mm
86681	10 X 1 3/4	4.8 X 45mm
86682	10 X 2	4.8 X 50mm

A4 Grade (316)	Imperial Size	Metric Size (mm)
12G / ø5.5mm		
86684	12 X 1/2	5.5 X 13mm
86685	12 X 5/8	5.5 X 16mm
86686	12 X 3/4	5.5 X 19mm
86687	12 X 1	5.5 X 25mm
86688	12 X 1 1/4	5.5 X 32mm
86689	12 X 1 1/2	5.5 X 38mm
86690	12 X 1 3/4	5.5 X 45mm
86691	12 X 2	5.5 X 50mm

A4 Grade (316)	Imperial Size	Metric Size (mm)
14G / ø6.3mm		
86710	14 X 1/2	6.3 X 13mm
86711	14 X 5/8	6.3 X 16mm
86712	14 X 3/4	6.3 X 19mm
86713	14 X 7/8	6.3 X 22mm
86714	14 X 1	6.3 X 25mm
86715	14 X 1 1/4	6.3 X 32mm
86716	14 X 1 1/2	6.3 X 38mm
86717	14 X 1 3/4	6.3 X 45mm
86718	14 X 2	6.3 X 50mm

Stainless Countersunk Pozi Self Tappers
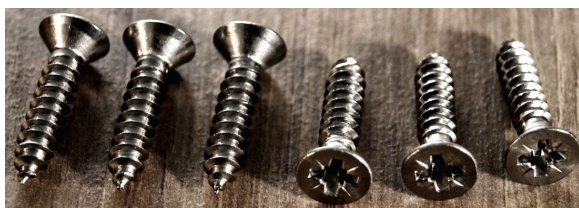
A2 (308) Stainless steel is suitable for use above the waterline.
A4 (316) Stainless Steel is suitable for use above and below the waterline.

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
4G / ø2.9mm			
81482	81483	4 X 1/4	2.9 X 6
81484	81485	4 X 3/8	2.9 X 10
81486	81487	4 X 1/2	2.9 X 13
81488	81489	4 X 5/8	2.9 X 16
81490	81491	4 X 3/4	2.9 X 19
81494	81495	4 X 1	2.9 X 25

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
6G / ø3.5mm			
81496	81497	6 X 1/4	3.5 X 6
81498	81499	6 X 3/8	3.5 X 10
81500	81501	6 X 1/2	3.5 X 13
81502	81503	6 X 5/8	3.5 X 16
81504	81505	6 X 3/4	3.5 X 19
81508	81509	6 X 1	3.5 X 25
81510	81511	6 X 1 1/4	3.5 X 32
81512	81513	6 X 1 1/2	3.5 X 38

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
8G / ø4.2mm			
81514	81515	8 X 3/8	4.2 X 10
81516	81517	8 X 1/2	4.2 X 13
81518	81519	8 X 5/8	4.2 X 16
81520	81521	8 X 3/4	4.2 X 19
81524	81525	8 X 1	4.2 X 25
81526	81527	8 X 1 1/4	4.2 X 32
81528	81529	8 X 1 1/2	4.2 X 38
81530	81531	8 X 1 3/4	4.2 X 44
81532	81533	8 X 2	4.2 X 50
81534	-	8 x 2 1/2	4.2 X 64

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
10G / ø4.8mm			
81536	-	10 X 3/8	4.8 X 10
81538	81539	10 X 1/2	4.8 X 13
81540	81541	10 X 5/8	4.8 X 16
81542	81543	10 X 3/4	4.8 X 19
81544	81545	10 X 1	4.8 X 25
81546	81547	10 X 1 1/4	4.8 X 32
81548	81549	10 X 1 1/2	4.8 X 38
81550	-	10 X 1 3/4	4.8 X 44
81552	81553	10 X 2	4.8 X 50

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
12G / ø5.5mm			
81554	-	12 X 1/2	5.5 X 13
81558	-	12 X 3/4	5.5 X 19
81562	81563	12 X 1	5.5 X 25
81564	81565	12 X 1 1/4	5.5 X 32
81566	81567	12 X 1 1/2	5.5 X 38
81568	-	12 X 1 3/4	5.5 X 44
81570	81571	12 X 2	5.5 X 50

Stainless Fastenings = 30% standard discount & 60% when you buy 100 or more.

Stainless Countersunk Pozi Pan Head Self Tappers
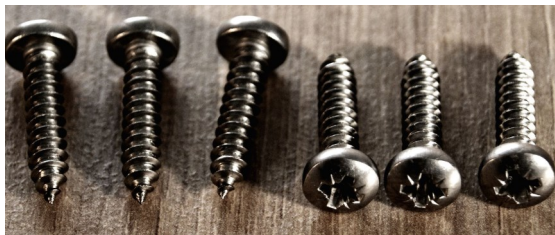
A2 (308) Stainless steel is suitable for use above the waterline.
A4 (316) Stainless Steel is suitable for use above and below the waterline.

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
4G / ø2.9mm			
81590	-	4 x 1/4	2.9 X 6
81592	-	4 X 3/8	2.9 X 10
81594	81595	4 X 1/2	2.9 X 13
81596	-	4 X 5/8	2.9 X 16
81598	81599	4 X 3/4	2.9 X 19
81600	81601	4 X 1	2.9 X 25

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
6G / ø3.5mm			
81602	-	6 X 1/4	3.5 X 6
81604	-	6 X 3/8	3.5 X 10
81606	81607	6 X 1/2	3.5 X 13
81608	-	6 X 5/8	3.5 X 16
81610	81611	6 X 3/4	3.5 X 19
81614	81615	6 X 1	3.5 X 25
81616	81617	6 X 1 1/4	3.5 X 32
81618	-	6 X 1 1/2	3.5 X 38

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
8G / ø4.2mm			
81620	-	8 X 3/8	4.2 X 10
81622	81623	8 X 1/2	4.2 X 13
81624	-	8 X 5/8	4.2 X 16
81626	81627	8 X 3/4	4.2 X 19
81628	-	8 X 7/8	4.2 X 22
81630	81631	8 X 1	4.2 X 25
81632	81633	8 X 1 1/4	4.2 X 32
81634	81635	8 X 1 1/2	4.2 X 38
81636	-	8 X 1 3/4	4.2 X 44
81638	81639	8 X 2	4.2 X 50
81640	-	8 x 2 1/2	4.2 X 64

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
10G / ø4.8mm			
81642	-	10 X 3/8	4.8 X 10
81644	81645	10 X 1/2	4.8 X 13
81646	-	10 X 5/8	4.8 X 16
81648	81649	10 X 3/4	4.8 X 19
81650	81651	10 X 1	4.8 X 25
81652	81653	10 X 1 1/4	4.8 X 32
81654	81655	10 X 1 1/2	4.8 X 38
81656	-	10 X 1 3/4	4.8 X 44
81658	81659	10 X 2	4.8 X 50

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
12G / ø5.5mm			
81660	-	12 X 1/2	5.5 X 13
81664	-	12 X 3/4	5.5 X 19
81668	81669	12 X 1	5.5 X 25
81670	-	12 X 1 1/4	5.5 X 32
81672	81673	12 X 1 1/2	5.5 X 38
81674	-	12 X 2	5.5 X 50

A2 Grade (308)	Imperial Size	Metric Size (mm)
14G / ø6.3mm		
81676	14 X 3/4	6.3 X 19
81678	14 X 1	6.3 X 25
81680	14 X 1 1/4	6.3 X 32
81682	14 X 1 1/2	6.3 X 38
81684	14 X 1 3/4	6.3 X 45
81686	14 X 2	6.3 X 50

Stainless Raised Head Pozi Self Tappers

A2 (308) Stainless steel is suitable for use above the waterline.

A2 Grade (308)	Imperial Size	Metric Size (mm)
6G / ø3.5mm		
81690	6 X 3/8	3.5 X 10
81692	6 X 1/2	3.5 X 13
81694	6 X 5/8	3.5 X 16
81696	6 X 3/4	3.5 X 19
81698	6 X 1	3.5 X 25

A2 Grade (308)	Imperial Size	Metric Size (mm)
8G / ø4.2mm		
81700	8 X 5/8	4.2 X 16
81702	8 X 3/4	4.2 X 19
81704	8 X 1	4.2 X 25
81706	8 X 1 1/4	4.2 X 32
81708	8 X 1 1/2	4.2 X 38
81709	8 X 2	4.2 X 50

A2 Grade (308)	Imperial Size	Metric Size (mm)
10G / ø4.8mm		
81710	10 X 1	4.8 X 25
81712	10 X 1 1/4	4.8 X 32
81714	10 X 1 1/2	4.8 X 38
81716	10 X 1 3/4	4.8 X 44
81718	10 X 2	4.8 X 50

A2 Grade (308)	Imperial Size	Metric Size (mm)
12G / ø5.5mm		
81720	12 X 1	5.5 X 25
81722	12 X 1 1/4	5.5 X 32
81724	12 X 1 1/2	5.5 X 38

Stainless Screw Cups

A2 Grade (308)	Size
81100	6g
81102	7g / 8g
81104	9g / 10g
81106	12g
81108	14g

Stainless Fastenings = 30% standard discount & 60% when you buy 100 or more.

Stainless Raised Head Slotted Self Tappers

White Plastic Screw Caps

Part No	Size
82581	6-8G

A2 Grade (308)	Imperial Size	Metric Size (mm)
4G / ø2.9mm		
81442	4 x 3/8	2.9 x 10

A2 Grade (308)	Imperial Size	Metric Size (mm)
6G / ø3.5mm		
81444	6 X 3/8	3.5 X 10
81446	6 X 1/2	3.5 X 13
81448	6 X 5/8	3.5 X 16
81450	6 X 3/4	3.5 X 19
81452	6 X 1	3.5 X 25

A2 Grade (308)	Imperial Size	Metric Size (mm)
8G / ø4.2mm		
81453	8 X 1/2	4.2 X 13
81454	8 X 5/8	4.2 X 16
81455	8 X 3/4	4.2 X 19
81456	8 X 1	4.2 X 25
81458	8 X 1 1/4	4.2 X 32
81460	8 X 1 1/2	4.2 X 38

A2 Grade (308)	Imperial Size	Metric Size (mm)
10G / ø4.8mm		
81461	10 X 1/2	4.8 X 13
81463	10 X 3/4	4.8 X 19
81462	10 X 1	4.8 X 25
81464	10 X 1 1/4	4.8 X 32
81466	10 X 1 1/2	4.8 X 38
81468	10 X 2	4.8 X 50

A2 Grade (308)	Imperial Size	Metric Size (mm)
12G / ø5.5mm		
81470	12 X 1	5.5 X 25
81472	12 X 1 1/4	5.5 X 32
81474	12 X 1 1/2	5.5 X 38

Stainless Raised Head Slotted Woodscrews

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
4G / ø2.9mm			
81902	85700	4 X 1/2	2.9 X 13
-	85701	4 X 5/8	2.9 X 16
-	85702	4 X 3/4	2.9 X 19
-	85703	4 X 1	2.9 x 25

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
6G / ø3.5mm			
81904	-	6 X 1/2	3.5 X 13
81906	85710	6 X 3/4	3.5 X 19
-	85711	6 X 1	3.5 X 25
81908	-	6 X 1 1/4	3.5 X 32
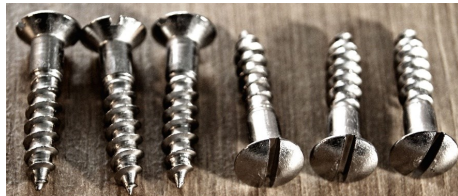
A2 Grade (308)	Imperial Size	Metric Size (mm)
8G / ø4.2mm		
81910	8 X 3/4	4.2 X 19
81912	8 X 1	4.2 X 25
81914	8 X 1 1/4	4.2 X 32
81916	8 X 1 1/2	4.2 X 38

A2 Grade (308)	Imperial Size	Metric Size (mm)
10G / ø4.8mm		
81917	10 X 1	4.8 X 25
81918	10 X 1 1/4	4.8 X 32
81920	10 X 1 1/2	4.8 X 38

A2 Grade (308)	Imperial Size	Metric Size (mm)
12G / ø5.5mm		
81922	12 X 1 1/2	5.5 X 38

Stainless Countersunk Slotted Self Tappers A4

A4 (316) Stainless Steel is suitable for use above and below the waterline.

A4 Grade (316)	Imperial Size	Metric Size (mm)
4G / ø2.9mm		
81341	4 X 1/4	2.9 X 6
81343	4 X 3/8	2.9 X 10
81345	4 X 1/2	2.9 X 13
81347	4 X 5/8	2.9 X 16
81349	4 X 3/4	2.9 X 19
81353	4 X 1	2.9 X 25

A4 Grade (316)	Imperial Size	Metric Size (mm)
6G / ø3.5mm		
81355	6 X 1/4	3.5 X 6
81357	6 X 3/8	3.5 X 10
81359	6 X 1/2	3.5 X 13
81361	6 X 5/8	3.5 X 16
81363	6 X 3/4	3.5 X 19
81367	6 X 1	3.5 X 25
81369	6 X 1 1/4	3.5 X 32
81371	6 X 1 1/2	3.5 X 38

A4 Grade (316)	Imperial Size	Metric Size (mm)
8G / ø4.2mm		
81375	8 X 3/8	4.2 X 10
81377	8 X 1/2	4.2 X 13
81379	8 X 5/8	4.2 X 16
81381	8 X 3/4	4.2 X 19
81385	8 X 1	4.2 X 25
81387	8 X 1 1/4	4.2 X 32
81389	8 X 1 1/2	4.2 X 38
81393	8 X 2	4.2 X 50

A4 Grade (316)	Imperial Size	Metric Size (mm)
10G / ø4.8mm		
81397	10 X 1/2	4.8 X 13
81399	10 X 5/8	4.8 X 16
81401	10 X 3/4	4.8 X 19
81405	10 X 1	4.8 X 25
81407	10 X 1 1/4	4.8 X 32
81409	10 X 1 1/2	4.8 X 38
81413	10 X 2	4.8 X 50

A4 Grade (316)	Imperial Size	Metric Size (mm)
12G / ø5.5mm		
81415	12 X 1/2	5.5 X 13
81419	12 X 3/4	5.5 X 19
81423	12 X 1	5.5 X 25
81425	12 X 1 1/4	5.5 X 32
81427	12 X 1 1/2	5.5 X 38
81431	12 X 2	5.5 X 50

A4 Grade (316)	Imperial Size	Metric Size (mm)
14G / ø6.3mm		
81439	14 X 1 1/2	6.3 X 38
81441	14 X 2	6.3 X 50

Stainless Fastenings = 30% standard discount & 60% when you buy 100 or more.

Stainless Pan Head Slotted Self Tappers

A4 (316) Stainless Steel is suitable for use above and below the waterline.

A4 Grade (316)	Imperial Size	Metric Size (mm)
4G / ø2.9mm		
81233	4 X 3/8	2.9 X 10
81235	4 X 1/2	2.9 X 13
81237	4 X 5/8	2.9 X 16
81239	4 X 3/4	2.9 X 19
81241	4 X 1	2.9 X 25

A4 Grade (316)	Imperial Size	Metric Size (mm)
6G / ø3.5mm		
81247	6 X 3/8	3.5 X 10
81249	6 X 1/2	3.5 X 13
81251	6 X 5/8	3.5 X 16
81253	6 X 3/4	3.5 X 19
81257	6 X 1	3.5 X 25
81259	6 X 1 1/4	3.5 X 32
81261	6 X 1 1/2	3.5 X 38

A4 Grade (316)	Imperial Size	Metric Size (mm)
8G / ø4.2mm		
81263	8 X 3/8	4.2 X 10
81265	8 X 1/2	4.2 X 13
81267	8 X 5/8	4.2 X 16
81269	8 X 3/4	4.2 X 19
81273	8 X 1	4.2 X 25
81275	8 X 1 1/4	4.2 X 32
81277	8 X 1 1/2	4.2 X 38
81281	8 X 2	4.2 X 50

A4 Grade (316)	Imperial Size	Metric Size (mm)
10G / ø4.8mm		
81283	10 X 3/8	4.8 X 10
81285	10 X 1/2	4.8 X 13
81287	10 X 5/8	4.8 X 16
81289	10 X 3/4	4.8 X 19
81293	10 X 1	4.8 X 25
81295	10 X 1 1/4	4.8 X 32
81297	10 X 1 1/2	4.8 X 38
81301	10 X 2	4.8 X 50

A4 Grade (316)	Imperial Size	Metric Size (mm)
12G / ø5.5mm		
81303	12 X 1/2	5.5 X 13
81305	12 X 5/8	5.5 X 16
81307	12 X 3/4	5.5 X 19
81311	12 X 1	5.5 X 25
81313	12 X 1 1/4	5.5 X 32
81315	12 X 1 1/2	5.5 X 38
81319	12 X 2	5.5 X 50

A4 Grade (316)	Imperial Size	Metric Size (mm)
14G / ø6.3mm		
81325	14 X 1 1/4	6.3 X 32
81327	14 X 1 1/2	6.3 X 38
81329	14 X 2	6.3 X 50

Stainless Countersunk Slotted Woodscrews

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
4G / ø2.9mm			
81730	81731	4 X 1/2	2.9 X 13
81732	81733	4 X 5/8	2.9 X 16
81734	81735	4 X 3/4	2.9 X 19
81736	81737	4 X 1	2.9 X 25
-	81729	4 x 1 1/4	2.9 X 32
-	82728	4 X 1 1/2	2.9 x 38

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
6G / ø3.5mm			
81738	-	6 X 1/2	3.5 X 13
81740	81741	6 X 5/8	3.5 X 16
81742	81743	6 X 3/4	3.5 X 19
81744	81745	6 X 1	3.5 X 25
81746	81747	6 X 1 1/4	3.5 X 32
81748	81749	6 X 1 1/2	3.5 X 38
-	81751	6 X 1 3/4	3.5 X 45
-	81727	6 x 2	3.5 x 50

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
8G / ø4.2mm			
81750	-	8 X 1/2	4.2 X 13
81752	-	8 X 3/4	4.2 X 19
81754	81755	8 X 1	4.2 X 25
81756	81757	8 X 1 1/4	4.2 X 32
81758	81759	8 X 1 1/2	4.2 X 38
81760	-	8 X 1 3/4	4.2 X 44
81762	81763	8 X 2	4.2 X 50
81764	-	8 X 2 1/2	4.2 X 64
81766	-	8 X 3	4.2 X 76

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
10G / ø4.8mm			
81768	81769	10 X 3/4	4.8 X 19
81770	81771	10 X 1	4.8 X 25
81772	81773	10 X 1 1/4	4.8 X 32
81774	81775	10 X 1 1/2	4.8 X 38
81776	-	10 X 1 3/4	4.8 X 44
81778	81779	10 X 2	4.8 X 50
81780	81781	10 X 2 1/2	4.8 X 64
81782	81783	10 X 3	4.8 X 76
81784	-	10 X 3 1/2	4.8 X 89
81786	-	10 X 4	4.8 X 102

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
12G / ø5.5mm			
81788	-	12 X 1	5.5 X 25
81790	81791	12 X 1 1/4	5.5 X 32
81792	81793	12 X 1 1/2	5.5 X 38
81794	81795	12 X 2	5.5 X 50
81796	81797	12 X 2 1/2	5.5 X 64
81798	81799	12 X 3	5.5 X 76
81800	-	12 X 3 1/2	5.5 X 89
81802	81803	12 X 4	5.5 X 102

A2 Grade (308)	A4 Grade (316)	Imperial Size	Metric Size (mm)
14G / ø6.3mm			
81804	-	14 X 1 1/4	6.3 X 32
81806	81807	14 X 1 1/2	6.3 X 38
81808	81809	14 X 2	6.3 X 50
81810	81811	14 X 2 1/2	6.3 X 64
81812	81813	14 X 3	6.3 X 76
81814	-	14 X 3 1/2	6.3 X 89
81815	-	14 X 4	6.3 X 102

A2 Grade (308)	Imperial Size	Metric Size (mm)
16G / ø7.1mm		
81816	16 X 2 1/2	7.1 X 64
81818	16 X 3	7.1 X 76
81820	16 X 4	7.1 X 102

| A2 Grade (308)	Imperial Size	Metric Size (mm)
18G / ø8.0mm		
81822	18 X 2 1/2	8 X 64
81824	18 X 3	8 X 76
81826	18 X 3 1/2	8 X 89
81828	18 X 4	8 X 102

Stainless Fastenings = 30% standard discount & 60% when you buy 100 or more.

Stainless Round Head Slotted Woodscrews

A2 Grade (308)	Imperial Size	Metric Size (mm)
4G / ø2.9mm		
81830	4 X 1/2	2.9 X 13
81832	4 X 5/8	2.9 X 16
81834	4 X 3/4	2.9 X 19
81836	4 X 1	2.9 X 25

A2 Grade (308)	Imperial Size	Metric Size (mm)
6G / ø3.5mm		
81838	6 X 1/2	3.5 X 13
81840	6 X 5/8	3.5 X 16
81842	6 X 3/4	3.5 X 19
81844	6 X 1	3.5 X 25
81846	6 X 1 1/4	3.5 X 32

A2 Grade (308)	Imperial Size	Metric Size (mm)
8G / ø4.2mm		
81847	8 X 1/2	4.2 X 13
81848	8 X 3/4	4.2 X 19
81850	8 X 1	4.2 X 25
81852	8 X 1 1/4	4.2 X 32
81854	8 X 1 1/2	4.2 X 38
81856	8 X 1 3/4	4.2 X 44
81858	8 X 2	4.2 X 50
81860	8 X 2 1/2	4.2 X 64
81862	8 X 3	4.2 X 76

A2 Grade (308)	Imperial Size	Metric Size (mm)
10G / ø4.8mm		
81864	10 X 3/4	4.8 X 19
81866	10 X 1	4.8 X 25
81868	10 X 1 1/4	4.8 X 32
81870	10 X 1 1/2	4.8 X 38
81872	10 X 1 3/4	4.8 X 44
81874	10 X 2	4.8 X 50
81876	10 X 2 1/2	4.8 X 64
81878	10 X 3	4.8 X 76
81880	10 X 3 1/2	4.8 X 89
81882	10 X 4	4.8 X 102

A2 Grade (308)	Imperial Size	Metric Size (mm)
12G / ø5.5mm		
81883	12 X 1	5.5 X 25
81884	12 X 1 1/4	5.5 X 32
81886	12 X 1 1/2	5.5 X 38
81888	12 X 2	5.5 X 50
81890	12 X 2 1/2	5.5 X 64
81892	12 X 3	5.5 X 76

A2 Grade (308)	Imperial Size	Metric Size (mm)
14G / ø6.3mm		
81894	14 X 1 1/2	6.3 X 38
81896	14 X 2	6.3 X 50
81900	14 X 3	6.3 X 76

Pozi Countersunk Woodscrews A2

A2 Grade (308)	Imperial Size	Metric Size (mm)
4G / ø2.9mm		
85900	4 X 1/2	2.9 X 13
85901	4 X 3/4	2.9 X 19

A2 Grade (308)	Imperial Size	Metric Size (mm)
6G / ø3.5mm		
85910	6 X 1/2	3.5 X 13
85911	6 X 3/4	3.5 X 19
85912	6 X 1	3.5 X 25
85914	6 X 1 1/2	3.5 X 38

A2 Grade (308)	Imperial Size	Metric Size (mm)
8G / ø4.2mm		
85920	8 X 1/2	4.2 X 13
85921	8 X 3/4	4.2 X 19
85922	8 X 1	4.2 X 25
85923	8 X 1 1/2	4.2 X 38
85924	8 X 2	4.2 X 50

A2 Grade (308)	Imperial Size	Metric Size (mm)
10G / ø4.8mm		
85930	10 X 3/4	4.8 X 19
85931	10 X 1	4.8 X 25
85932	10 X 1 1/2	4.8 X 38
85933	10 X 2	4.8 X 50
85934	10 X 3	4.8 X 76
85935	10 X 4	4.8 X 102

A2 Grade (308)	Imperial Size	Metric Size (mm)
12G / ø5.5mm		
85940	12 X 1 1/2	5.5 X 38
85941	12 X 2	5.5 X 50
85942	12 X 3	5.5 X 76
85943	12 X 4	5.5 X 102

Stainless Fastenings = 30% standard discount & 60% when you buy 100 or more.

Zinc Plated & Yellow Passivated Chippy Pozi Drive Woodscrews (Sold in boxes of 200)

Part No	Description	Part No	Description	Part No	Description
82371	3.5 X 25mm	82394	4 X 70mm	82387	6 X 40mm
82372	3.5 X 30mm	82395	5 X 20mm	82388	6 X 50mm
82373	3.5 X 40mm	82381	5 X 30mm	82389	6 X 60mm
82374	4 X 20mm	82382	5 X 40mm	82390	6 X 70mm
82375	4 X 25mm	82383	5 X 50mm	82391	6 X 80mm
82376	4 X 30mm	82396	5 X 60mm	82392	6 X 90mm
82377	4 X 35mm	82397	5 X 70mm	82393	6 X 100mm
82378	4 X 40mm	82384	5 X 80mm		
82379	4 X 50mm	82385	5 X 90mm		
82380	4 X 60mm	82386	5 X 100mm		

Stainless Hex Head Bolts

A2 (308) Stainless steel is suitable for use above the waterline.

A4 (316) Stainless Steel is suitable for use above and below the waterline.

A2 Grade (308)	A4 Grade (316)	Size	A2 Grade (308)	A4 Grade (316)	Size	A2 Grade (308)	A4 Grade (316)	Size
M5			**M6**			**M8**		
80000	-	M5 X 25	80015	-	M6 X 25	80052	80053	M8 X 30
80002	80003	M5 X 30	80016	80017	M6 X 30	80054	80055	M8 X 35
80004	80005	M5 X 35	80018	80019	M6 X 35	80056	80057	M8 X 40
80006	80007	M5 X 40	80020	80021	M6 X 40	80058	80059	M8 X 45
80008	80009	M5 X 45	80022	80023	M6 X 45	80060	80061	M8 X 50
80010	80011	M5 X 50	80024	80025	M6 X 50	80062	80063	M8 X 55
80012	-	M5 X 55	80026	80027	M6 X 55	80064	80065	M8 X 60
80014	-	M5 X 60	80028	80029	M6 X 60	80066	80067	M8 X 65
			-	80031	M6 X 65	80068	80069	M8 X 70
			80032	80033	M6 X 70	80070	80071	M8 X 75
			80034	80035	M6 X 75	80072	80073	M8 X 80
			80036	80037	M6 X 80	80074	80075	M8 X 90
			80038	80039	M6 X 90	80076	80077	M8 X 100
			80040	80041	M6 X 100	80078	80079	M8 X 110
			80044	-	M6 X 120	80080	80081	M8 X 120
			80046	80047	M6 X 130	80082	80083	M8 X 130
			80048	-	M6 X 140	80084	-	M8 X 140
			80050	-	M6 X 150	80086	80087	M8 X 150

A2 Grade (308)	A4 Grade (316)	Size	A2 Grade (308)	A4 Grade (316)	Size
M10			**M12**		
80088	80089	M10 X 35	80122	80123	M12 X 40
80090	80091	M10 X 40	-	80125	M12 X 45
80092	80093	M10 X 45	80126	80127	M12 X 50
80094	80095	M10 X 50	80128	80129	M12 X 55
80096	80097	M10 X 55	80130	80131	M12 X 60
80098	80099	M10 X 60	80132	80133	M12 X 65
-	80101	M10 X 65	80136	80137	M12 X 75
80102	80103	M10 X 70	-	80139	M12 X 80
80104	80105	M10 X 75	80140	80141	M12 X 90
80106	80107	M10 X 80	80142	80143	M12 X 100
80108	80109	M10 X 90	80144	80145	M12 X 110
80110	80111	M10 X 100	80146	80147	M12 X 120
80112	80113	M10 X 110	80148	80149	M12 X 130
80114	80115	M10 X 120	80150	80151	M12 X 140
80116	80117	M10 X 130	80152	80153	M12 X 150
80118	80119	M10 X 140	80154	-	M12 X 160
80120	80121	M10 X 150	80156	80157	M12 X 180
			80158	80159	M12 X 200

A2 Grade (308)	A4 Grade (316)	Size	A2 Grade (308)	A4 Grade (316)	Size
M16			**M16**		
80160	80161	M16 X 50	80178	-	M16 X 110
-	80163	M16 X 55	80180	80181	M16 X 120
80164	80165	M16 X 60	80182	80183	M16 X 130
-	80169	M16 X 70	80184	80185	M16 X 140
80170	80171	M16 X 75	80186	80187	M16 X 150
80172	80173	M16 X 80	80188	-	M16 X 160
80174	80175	M16 X 90	80190	-	M16 X 180
80176	80177	M16 X 100	80192	-	M16 X 200

Stainless Fastenings = 30% standard discount & 60% when you buy 100 or more.

Stainless Hex Head Setscrews

A2 (308) Stainless steel is suitable for use above the waterline.

A4 (316) Stainless Steel is suitable for use above and below the waterline.

A2 Grade (308)	Size
M3	
80300	M3 X 6
80302	M3 X 8
80304	M3 X 10
80306	M3 X 12
80308	M3 X 16
80310	M3 X 20
80312	M3 X 25
80314	M3 X 30
80316	M3 X 35
80318	M3 X 40

A2 Grade (308)	A4 Grade (316)	Size
M4		
80320	-	M4 X 6
80322	80323	M4 X 8
80324	80325	M4 X 10
80326	80327	M4 X 12
80328	80329	M4 X 16
80330	80331	M4 X 20
80332	80333	M4 X 25
80334	80335	M4 X 30
80336	80337	M4 X 35
80338	80339	M4 X 40
80340	-	M4 X 45
80342	-	M4 X 50

A2 Grade (308)	A4 Grade (316)	Size
M5		
-	80345	M5 X 8
80346	80347	M5 X 10
80348	80349	M5 X 12
80350	80351	M5 X 16
80352	80353	M5 X 20
80354	80355	M5 X 25
80356	80357	M5 X 30
80358	80359	M5 X 35
80360	80361	M5 X 40
80362	80363	M5 X 45
80364	80365	M5 X 50
80366	80367	M5 X 55
80368	80369	M5 X 60
-	80536	M5 X 80

A2 Grade (308)	A4 Grade (316)	Size
M6		
80370	80371	M6 X 8
80372	80373	M6 X 10
80374	80375	M6 X 12
80376	80377	M6 X 16
80378	80379	M6 X 20
80380	80381	M6 X 25
80382	80383	M6 X 30
80384	80385	M6 X 35
80386	80387	M6 X 40
80388	80389	M6 X 45
80390	80391	M6 X 50
80392	80393	M6 X 55
80394	80395	M6 X 60
80396	-	M6 X 65
80398	80399	M6 X 70
80400	80401	M6 X 75
80402	80403	M6 X 80
80404	80405	M6 X 90
80406	80407	M6 X 100

A2 Grade (308)	A4 Grade (316)	Size
M8		
-	80409	M8 X 10
80410	80411	M8 X 12
80412	80413	M8 X 16
80414	80415	M8 X 20
80416	80417	M8 X 25
80418	80419	M8 X 30
80420	80421	M8 X 35
80422	80423	M8 X 40
80424	80425	M8 X 45
80426	80427	M8 X 50
80428	-	M8 X 55
80430	80431	M8 X 60
80432	80433	M8 X 65
80434	80435	M8 X 70
80436	80437	M8 X 75
80438	80439	M8 X 80
80440	80441	M8 X 90
80442	80443	M8 X 100
80444	80445	M8 X 110
80446	80447	M8 X 120
80448	80449	M8 X 130
80450	80451	M8 X 140
80452	80453	M8 X 150

A2 Grade (308)	A4 Grade (316)	Size
M10		
80454	80455	M10 X 12
80456	80457	M10 X 16
80458	80459	M10 X 20
80460	80461	M10 X 25
80462	80463	M10 X 30
80464	-	M10 X 35
80466	80467	M10 X 40
80468	-	M10 X 45
80470	80471	M10 X 50
-	80473	M10 X 55
80474	80475	M10 X 60
80476	80477	M10 X 65
80478	80479	M10 X 70
80480	80481	M10 X 75
80482	80483	M10 X 80
80484	80485	M10 X 90
80486	80487	M10 X 100
80488	80489	M10 X 110
80490	80491	M10 X 120
80492	-	M10 X 130
80494	80495	M10 X 140
80496	80497	M10 X 150

A2 Grade (308)	A4 Grade (316)	Size
M12		
80498	80499	M12 X 25
80500	80501	M12 X 30
80502	80503	M12 X 35
80504	80505	M12 X 40
80506	-	M12 X 45
80508	80509	M12 X 50
80512	80513	M12 X 60
80514	-	M12 X 65
80518	80519	M12 X 75
80520	80521	M12 X 80
80522	80523	M12 X 90
80524	80525	M12 X 100
80526	-	M12 X 110
80528	80529	M12 X 120
80530	-	M12 X 130
80532	-	M12 X 140
80534	80535	M12 X 150

Stainless Fastenings = 30% standard discount & 60% when you buy 100 or more.

Stainless Countersunk Slotted Machine Screws

A2 Grade (308)	A4 Grade (316)	Size
M3		
80550	80551	M3 X 6
80552	80553	M3 X 8
80554	80555	M3 X 10
80556	80557	M3 X 12
80558	80559	M3 X 16
80560	80561	M3 X 20
80562	80563	M3 X 25
80564	80565	M3 X 30
80566	-	M3 X 35
80568	-	M3 X 40

A2 Grade (308)	A4 Grade (316)	Size
M4		
80570	-	M4 X 6
80572	80573	M4 X 8
80574	80575	M4 X 10
80576	80577	M4 X 12
80578	80579	M4 X 16
80580	80581	M4 X 20
80582	80583	M4 X 25
80584	80585	M4 X 30
80586	80587	M4 X 35
80588	80589	M4 X 40
80590	-	M4 X 45
80592	80593	M4 X 50
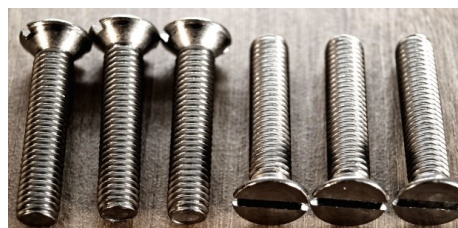
A2 (308) Stainless steel is suitable for use above the waterline.

A4 (316) Stainless Steel is suitable for use above and below the waterline.

A2 Grade (308)	A4 Grade (316)	Size
M5		
80594	80595	M5 X 8
80596	80597	M5 X 10
80598	80599	M5 X 12
80600	80601	M5 X 16
80602	80603	M5 X 20
80604	80605	M5 X 25
80606	80607	M5 X 30
80608	80609	M5 X 35
80610	80611	M5 X 40
80612	-	M5 X 45
80614	80615	M5 X 50
80616	-	M5 X 55
80618	-	M5 X 60
80620	-	M5 X 65
80622	-	M5 X 70
80624	80625	M5 X 75
80626	80627	M5 X 80
80628	-	M5 X 90
80630	80631	M5 X 100

A2 Grade (308)	A4 Grade (316)	Size
M6		
80632	80633	M6 X 10
80634	80635	M6 X 12
80636	80637	M6 X 16
80638	80639	M6 X 20
80640	80641	M6 X 25
80642	80643	M6 X 30
80644	80645	M6 X 35
80646	80647	M6 X 40
80648	-	M6 X 45
80658	80659	M6 X 50
80660	-	M6 X 55
80662	80663	M6 X 60
80664	-	M6 X 65
80666	80667	M6 X 70
80668	80669	M6 X 75
80670	80671	M6 X 80
80672	80673	M6 X 90
80674	80675	M6 X 100

A2 Grade (308)	A4 Grade (316)	Size
M8		
80676	-	M8 X 12
80678	80679	M8 X 16
80680	80681	M8 X 20
80682	80683	M8 X 25
80684	80685	M8 X 30
80686	80687	M8 X 35
80688	80689	M8 X 40
80690	80691	M8 X 45
80692	80693	M8 X 50
80694	80695	M8 X 60
80696	-	M8 X 65
80698	80699	M8 X 70
80700	80701	M8 X 75
80702	80703	M8 X 80
80704	80705	M8 X 90
80706	80707	M8 X 100

A2 Grade (308)	A4 Grade (316)	Size
M10		
80708	80709	M10 X 20
80710	80711	M10 X 25
80712	-	M10 X 30
80714	-	M10 X 35
80716	80717	M10 X 40
80718	-	M10 X 45
80720	80721	M10 X 50
80722	-	M10 X 60
80724	-	M10 X 65
80726	80727	M10 X 70
80728	80729	M10 X 75
80730	80731	M10 X 80
80732	80733	M10 X 90
80734	80737	M10 X 100
80735		M10 X 120

A2 Grade (308)	Size
M12	
80736	M12 X 20
80738	M12 X 25
80740	M12 X 30
80742	M12 X 35
80744	M12 X 40
80746	M12 X 50
80748	M12 X 60
80749	M12 X 65
80750	M12 X 70
80752	M12 X 80
80754	M12 X 90
80756	M12 X 100

Stainless Fastenings = 30% standard discount & 60% when you buy 100 or more.

Stainless Pan Head Slotted Machine Screws

A2 Grade (308)	A4 Grade (316)	Size
M3		
80760	80761	M3 X 6
80762	80763	M3 X 8
80764	80765	M3 X 10
80766	80767	M3 X 12
80768	80769	M3 X 16
80770	80771	M3 X 20
80772	80773	M3 X 25
80774	80775	M3 X 30

A2 Grade (308)	A4 Grade (316)	Size
M4		
80776	80777	M4 X 6
80778	80779	M4 X 8
80780	80781	M4 X 10
80782	80783	M4 X 12
80784	80785	M4 X 16
80786	80787	M4 X 20
80788	80789	M4 X 25
80790	80791	M4 X 30
80792	80793	M4 X 35
80794	80795	M4 X 40
80796	-	M4 X 45
80798	-	M4 X 50
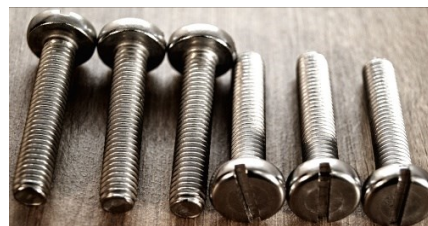
A2 (308) Stainless steel is suitable for use above the waterline.

A4 (316) Stainless Steel is suitable for use above and below the waterline.

A2 Grade (308)	A4 Grade (316)	Size
M5		
80800	-	M5 X 6
80802	-	M5 X 8
80804	80805	M5 X 10
80806	80807	M5 X 12
80808	80809	M5 X 16
80810	80811	M5 X 20
80812	80813	M5 X 25
80814	80815	M5 X 30
80816	80817	M5 X 35
80818	80819	M5 X 40
80820	80821	M5 X 45
80822	80823	M5 X 50
80824	-	M5 X 60
80826	-	M5 X 65
80828	80827	M5 X 75
80829	-	M5 X 80
80830	-	M5 X 100

A2 Grade (308)	A4 Grade (316)	Size
M6		
80832	-	M6 X 8
80834	80835	M6 X 10
80836	80837	M6 X 12
80838	80839	M6 X 16
80840	80841	M6 X 20
80842	80843	M6 X 25
80844	80845	M6 X 30
80846	80847	M6 X 35
80848	80849	M6 X 40
80850	-	M6 X 45
80852	80853	M6 X 50
80854	80855	M6 X 60
80856	-	M6 X 65
80858	-	M6 X 70
80860	80861	M6 X 75
80862	80863	M6 X 80
80864	-	M6 X 90
80866	80867	M6 X 100

A2 Grade (308)	A4 Grade (316)	Size
M8		
80868	-	M8 X 12
80870	80871	M8 X 16
80872	80873	M8 X 20
80874	80875	M8 X 25
80876	80877	M8 X 30
80878	80879	M8 X 35
80880	80881	M8 X 40
80882	80883	M8 X 50
80884	80885	M8 X 60
80886	80887	M8 X 65
80888	-	M8 X 70
80890	80891	M8 X 75
80892	-	M8 X 80
80894	-	M8 X 90
80896	80897	M8 X 100

A2 Grade (308)	A4 Grade (316)	Size
M10		
80898	-	M10 X 25
80899	-	M10 X 35
80900	80901	M10 X 40
80902	-	M10 X 50
-	80903	M10 X 60
80904	80909	M10 X 75
80905	-	M10 X 80
80906	80907	M10 X 100

Stainless Fastenings = 30% standard discount & 60% when you buy 100 or more.

Stainless Full Nuts

A2 Grade (308)	A4 Grade (316)	Size
81130	81131	M3
81132	81133	M4
81134	81135	M5
81136	81137	M6
81138	81139	M8
81140	81141	M10
81142	81143	M12
81150	-	M14
81144	81145	M16
81146	81147	M20
81148	81149	M24

Stainless Nyloc Nuts

A2 Grade (308)	A4 Grade (316)	Size
81160	81161	M3
81162	81163	M4
81164	81165	M5
81166	81167	M6
81168	81169	M8
81170	81171	M10
81172	81173	M12
81174	81175	M16
-	81176	M20

Stainless Dome Nuts

A2 Grade (308)	A4 Grade (316)	Size
81180	-	M3
81182	81183	M4
81184	81185	M5
81186	81187	M6
81188	81189	M8
81190	81191	M10
81192	81193	M12
81194	-	M16

Stainless Wing Nuts
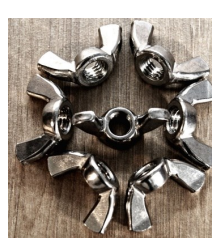
A2 Grade (308)	A4 Grade (316)	Size
81200	81201	M3
81202	81203	M4
81204	81205	M5
81206	81207	M6
81208	81209	M8
81210	81211	M10
81212	81213	M12
81214	-	M16

Stainless Tooth Washers

A2 Grade (308)	A4 Grade (316)	Size
81070	81071	M3
81072	81073	M4
81074	81075	M5
81076	81077	M6
81078	81079	M8
81080	81081	M10
81082	81083	M12
81084	81085	M16
81086	81087	M20
81088	81089	M24

Stainless Form A Washers

A2 Grade (308)	A4 Grade (316)	Outside Diameter mm	Size
81000	81001	7mm	M3
81002	81003	9mm	M4
81004	81005	10mm	M5
81006	81007	12mm	M6
81008	81009	16mm	M8
81010	81011	20mm	M10
81012	81013	24mm	M12
81020	-	28mm	M14
81014	81015	30mm	M16
81016	81017	37mm	M20
81018	81019	44mm	M24

Stainless Penny Washers

A2 Grade (308)	A4 Grade (316)	Outside Diameter mm	Size
-	81029	25mm	M4
81030	81031	25mm	M5
81032	81033	25mm	M6
81034	81035	30mm	M8
81036	81037	35mm	M10
81038	81039	35mm	M12

Stainless Form C Washers
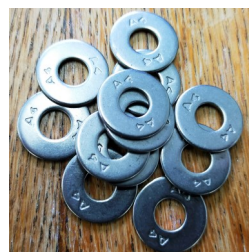
A4 Grade (316)	Size	Outside Diameter mm
80990	M6	-
80991	M8	21mm
80992	M10	24mm
80993	M12	28mm
80994	M16	34mm

Stainless Spring Washers

A2 Grade (308)	A4 Grade (316)	Size
81040	81041	M3
81042	81043	M4
81044	81045	M5
81046	81047	M6
81048	81049	M8
81050	81051	M10
81052	81053	M12
81054	81055	M16
81056	81057	M20
81058	81059	M24

Stainless Fastenings = 30% standard discount & 60% when you buy 100 or more.

Stainless Steel Studding

A2 Grade (308)	A4 Grade (316)	Size
80910	80911	M4 X 1m
80912	80913	M5 X 1m
80914	80915	M6 X 1m
80916	80917	M8 X 1m
80918	80919	M10 X 1m
80920	80921	M12 X 1m
81151	-	M14 x 1m
80922	80923	M16 X 1m
80924	80925	M20 X 1m
80926	80927	M24 X 1m

Stainless Steel R Clips

Stainless Steel R Clips

A4 Grade (316)	Description
33880	2mm X 48mm
33882	3mm X 70mm
33883	4mm X 76mm
33884	5mm X 100mm
33885	6mm X 125mm

Stainless Steel Clevis Pins

A4 Grade (316)	Dimensions (mm)	A4 Grade (316)	Dimensions (mm)	A4 Grade (316)	Dimensions (mm)
33905	4.75 X 16mm	33915	7.9 X 19mm	33922	9.5 X 32mm
33907	4.75 X 19mm	33916	7.9 X 25mm	33923	9.5 X 38mm
33908	4.75 X 25mm	33917	7.9 X 32mm	33924	12.7 X 25mm
33910	6.35 X 18.5mm	33918	7.9 X 38mm	33925	12.7 X 31.8mm
33912	6.35 X 25mm	33920	9.5 X 19mm	-	
33913	6.35 X 35mm	33921	9.5 X 25mm	-	

Stainless Steel Half Nuts

A4 Grade (316)	Size
81110	M4
81111	M5
81112	M6
81113	M8
81114	M10
81115	M12
81116	M16
81117	M20

Monel Pop Rivets
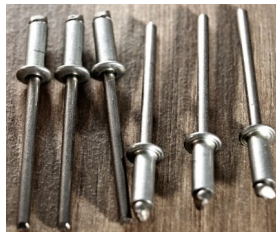
Monel Pop Rivets

Part No	Description
86700	4.0 X 10mm
86701	4.8 X 8mm
86702	4.8 X 12mm
86703	4.8 X 18mm
86704	4.8 X 16mm
86705	6.4 X 16mm
86706	6.4 X 19mm

Stainless Steel Eye Nuts
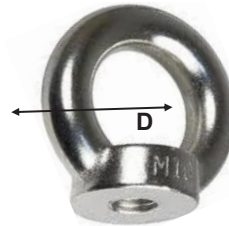
A4 Grade (316)	Thread	D
34004	M6	16mm
34005	M8	20mm
34010	M10	25mm
34015	M12	30mm
34017	M16	35mm

Stainless Steel Circlip

Stainless Steel Circlips

A2 Grade (308)	Description
86500	M8
86502	M10
86504	M12
86506	M16
86508	M20

Stainless Steel Split Rings

A2 Grade (308)	Diameter (mm)
33875	10mm
33876	14mm
33877	19mm
33878	28mm

Nylon Washer

Part No	Size
80980	M4
80981	M5
80982	M6
80983	M8
80984	M10
80986	M12

Stainless Fastenings = 30% standard discount & 60% when you buy 100 or more.

Stainless Grub Screws

A4 Grade (316)	Size x Length
86530	M3 x 5
86532	M4 x 6
86534	M5 x 6
86536	M6 x 8
86538	M8 x 10
86540	M10 x 10

Stainless Steel A4 Inter Screws

Knurled Sides, Smooth Domed Top

A4 Grade (316)	Size
86520	M4 X 6
86521	M4 X 12
86522	M5 X 6
86523	M5 X 10

Smooth Sides, Slotted Raised Countersunk Top

A4 Grade (316)	Size
86524	M5 X 15
86525	M6 X 15
86526	M8 X 20

Stainless Steel A2 (308) Panel Pins

Sold in 100 gram intervals

A2 Grade (308)	Thickness X Length	Quantity Per Kilo (Approx)
82144	1.6mm X 20mm	2985
82145	1.6mm X 25mm	2371
82146	1.6mm X 30mm	2083
82147	1.6mm X 40mm	1470

Stainless Steel A2 (308) Split Pins

A2 Grade (308)	Imperial Size	Metric Size (mm)
1/32 / 0.8mm		
82044	1/32 X 3/4	0.8 X 19
82046	1/32 X 1	0.8 X 25
1/16 / 1.6mm		
82059	1/16 X 1/2	1.6 X 13
82058	1/16 X 3/4	1.6 X 19
82060	1/16 X 1	1.6 X 25
82061	1/16 X 1 1/8	1.6 X 29
82062	1/16 X 1 1/4	1.6 X 32
82064	1/16 X 1 1/2	1.6 X 38
82065	1/16 X 1 3/4	1.6 X 44
3/32 / 2.4mm		
82084	3/32 X 1/2	2.4 X 13
82085	3/32 X 5/8	2.4 X 16
82086	3/32 X 3/4	2.4 X 19
82087	3/32 X 7/8	2.4 X 22
82088	3/32 X 1	2.4 X 25
82090	3/32 X 1 1/4	2.4 X 32
82091	3/32 X 1 1/2	2.4 X 38
82092	3/32 X 1 3/4	2.4 X 44

A2 Grade (308)	Imperial Size	Metric Size (mm)
82093	3/32 X 2	2.4 X 50
82094	3/32 X 2 1/2	2.4 X 64
1/8 / 3.2mm		
82097	1/8 X 1/2	3.2 X 13
82098	1/8 X 5/8	3.2 X 16
82099	1/8 X 3/4	3.2 X 19
82100	1/8 X 7/8	3.2 X 22
82101	1/8 X 1	3.2 X 25
82102	1/8 X 1 1/4	3.2 X 32
82103	1/8 X 1 1/2	3.2 X 38
82104	1/8 X 1 3/4	3.2 X 44
82105	1/8 X 2	3.2 X 50
82106	1/8 X 2 1/4	3.2 X 57
82107	1/8 X 2 1/2	3.2 X 64
5/32 / 4.0mm		
82108	5/32 X 1	4 X 25
82109	5/32 X 1 1/4	4 X 32
82110	5/32 X 2	4 X 50
3/16 / 4.8mm		
82120	3/16 X 3/4	4 X 19
82121	3/16 X 7/8	4 X 22

A2 Grade (308)	Imperial Size	Metric Size (mm)
82122	3/16 X 1	4 X 25
82123	3/16 X 1 1/8	4 X 29
82124	3/16 X 1 1/4	4 X 32
82125	3/16 X 1 3/8	4 X 35
82126	3/16 X 1 1/2	4 X 38
82128	3/16 X 1 3/4	4 X 44
82130	3/16 X 2	4 X 50
82131	3/16 X 2 1/2	4 X 64
82132	3/16 X 3	4 X 75
1/4 / 6.4mm		
82133	1/4 X 1 1/4	6.4 X 32
82135	1/4 X 1 1/2	6.4 X 38
82136	1/4 X 1 3/4	6.4 X 44
82138	1/4 X 2	6.4 X 50
82139	1/4 X 2 1/4	6.4 X 57
82140	1/4 X 2 1/2	6.4 X 64
82141	1/4 X 3	6.4 X 76

Stainless Fastenings = 30% standard discount & 60% when you buy 100 or more.

Copper Grease 70g

A high performance lead-free anti seize compound which is designed for application to threads of nuts and bolts prior to assembly to ensure easy release without damage, even after long periods in adverse conditions. The product is based on a non-melting grease containing a complex blend of heat resistant solids and low shear metals.

Part No
63074

Tef-Gel Anti Corrosion Gel 28g Syringe

When dismantling equipment for maintenance or repairs, this is the stuff you need. Tef Gel is a PTFE based waterproof lubricant with anti-corrosion and anti-seize properties. Tef Gel does not break down in salt water or detergents.

28 Gram Syringe
60700

Stud 'N Bearing Fit - 270

Loctite Stud 'n' Bearing fit is a fast acting high strength threadlocker and bearing retainer that can be used on metal threads, shafts, housings and bearings.

Part No	Description
60643	24ml

Loctite 248 Threadlocker 19g Stick

LOCTITE 248 is a general purpose threadlocker with medium bond strength. This product is available in a convenient stick format. This threadlocker secures and seals bolts, nuts and studs to prevent loosening due to vibration. The product works on all metals, including passive substrates such as stainless steel, aluminium and plated surfaces. It is proven to be tolerant of minor contamination due to industrial oils, e.g. engine oils, corrosion prevention oils and cutting fluids.

Part No	Description
60651	19g Medium Stick

LOCTITE 577 Thread Sealant

is designed for the locking and sealing of metal pipes and fittings as well as other threaded assemblies. The product provides an instant, low-pressure seal for metal pipes and fittings. It will not creep, shrink or shred. It has excellent chemical and thermal resistance and offers less migration of liquid product after application.

Part No	Description
60644	50ml Thread Sealant

Lock 'NSeal - 243

Fast acting thread and lock sealant. Locks carburettor screws, alternator housings, seals oil pressure switches. Vibration proof.

5ml	10ml	24ml
60637	60650	60638

Stainless Fastenings = 30% standard discount & 60% when you buy 100 or more.

Teroson Up 620 Gelcoat Filler

TEROSON® UP 620 is a gelcoat unsaturated polyester body filler used for restoring the original surface finish to boat hulls and glass fibre panels. It repairs osmosis blisters and minor surface damage. It can be used on glass fibre and gelcoat finishes. Once set, it is waterproof and may be overpainted if required.

Pot Life: 12 mins

Colour: white

Sandable: 20 to 30 mins

Part No	Size
61310	Gelcoat Filler 241g Tin

Teroson Up 610 Marine Filler

TEROSON® UP 610 is the universal unsaturated polyester body filler used for marine applications. It repairs transom/stern damages, stress cracks, keel and rudder surfaces, redundant holes, engine mountings, damaged and pitted propellers, cracks and holes on hulls and superstructures, damages caused by osmosis or crazing, gaps between hull and deck and worn and damaged superstructures.

Pot life: 4 mins

Colour: white

Sandable: 15 to 20 mins

Part No	Size
61290	Marine Filler 341g Tin
61300	Marine Filler 787g Tin

Teroson Up 130 Chemical Metal

TEROSON® UP 130 is the original rock-hard, multi-purpose, unsaturated polyester body filler paste with resistance to water, salt water, oil, fuel and to most weak acids and chemicals. It can repair gasoline tanks, radiators, concrete, housings and castings and many more. Suitable substrates include steel, aluminum, galvanized surfaces, glass fiber, copper and tin.

Pot life: 4:30 mins

Colour: dark grey

Sandable: 15 to 20 mins

High chemical resistance

Part No	Size
61210	Chemical Metal 321g Tin
61230	Chemical Metal 739g Tin

Teroson Up 150 Glassfibre Filler

TEROSON® UP 150 is an unsaturated polyester body filler used for bridging and repairing holes. It can be used on steel, aluminium, galvanized surfaces and glass fibre.

Pot life: 6:30 mins

Colour: blue/green

Sandable: 20 to 30 mins

Part No	Size
61215	Glassfibre Filler 332g
61320	Glassfibre Filler 743g

Teroson Up 110 Elastic Body Filler

TEROSON® UP 110 is an elastic, unsaturated polyester body filler with outstanding flexibility and adhesive qualities that eliminate cracking and flaking. It can repair dents, scratches, pinholes and imperfections and be used for reshaping. It is suitable for use on substrates such as steel, aluminium, galvanized surfaces and glass fibre.

Pot life: 3 mins

Colour: grey/green

Sandable: 20 to 30 mins

Part No	Size
61250	Elastic Body Filler 329g
61270	Elastic Body Filler 759g

Teroson Up 230 Light Weight Filler

TEROSON® UP 230 is an easy-to-sand, lightweight unsaturated polyester body filler used for repairing dents, scratches, pinholes, imperfections and for reshaping. It can be used on steel, aluminium, galvanized surfaces and glass fibre.

Pot life: 4:30 mins

Colour: light green

Sandable: 25 to 30 mins

Part No	Size
61355	Teroson Up 230 Light Weight Filler 535g

TEROSON UP 190 spare hardener for fillers and resins.

Part No	Description
61352	Spare Hardener 15g

Plastic Filler Card

Plastic universal filler cards used for a wide variety of applications.

Part No	Item
61364	Single spreader (plastic)

Anza Wide Filling Knives

Part No	Description
62130	Filling Knife 350mm

Osculati Gelcoat Filler 100gram

Single-component gel coat. To be knifed out as a regular filler for a bright white finish that restores the original surface of the chipped or splintered gel coat. It can be coated.

Part No	Description
96251	Gelcoat Filler 100gram

Euro Filling Knives

Includes 50, 80, 100 & 120mm (2, 3, 4 & 5") Blades

Designed for small mixing and filling jobs on walls, ceilings and wood-work. Extra flexible carbon steel blades. 50mm, 80mm, 100mm and 120mm wide blades.

Part No	Item
61365	Set of 4 metal spreaders

Osculati Gelcoat Filler 200gram

"4 in 1" high-resistance bicomponent white gelcoat. To be used like a regular filler to be knifed out: the final result is a bright white finish restoring the original chipped, scratched or dented gelcoat surface. It can be coated.

Part No	Description
96250	Gelcoat Filler 200gram

Osculati Epoxy Filler 800gram

Two-component epoxy filler to be knifed out. Excellent to restore broken or missing parts. Good compromise between stiffness and flexibility. Hand or machine processing after 4/5 hours.

Part No	Description
61356	Osculati Epoxy Filler 800Gram

Putty Knife

Rigid steel blade for putty and general glazing work. Soft grip handle for comfortable and professional use and a hole for hanging.

Part No
60280

Filling Trowel

Useful for filling in cracks and other small areas. Soft grip handle for comfortable and professional use and a hole for hanging.

Part No
60290

Epifanes Combi Filler

A traditional one-component knifing filler based on alkyd resins. Suitable for levelling of small irregularities in one-component paint systems for wood or steel above the waterline. Apply in thin layers only (max. 1 mm) .

Apply between primer coats or prior to the first finishing topcoat   Sandable: After 24 hours at 65°F./18°C. and 1 mm film thickness

Part No	Description
69202	Epifanes Combi Filler Tube 225 Gram
69201	Epifanes Combi Filler Tin 800 Gram

Bondafiller

An easy-to-use filler with good sanding properties that gives a smooth, dense surface. Bonds strongly to metal, GRP and wood. Takes all types of paint.

Part No	Size
64450	0.5Kg
64455	1.5Kg

V11 Reinforced Filler - 1Kg

V11 is filled with chopped strands of glass fibre which give the filler great strength. It can be used to bridge larger gaps and holes than is possible with conventional fillers.

Part No	Size
64460	1.0Kg

Body Light - Soft Sanding Filler 3kg

Body Light has a specific weight some 30 percent less than normal body fillers and is made using specially treated synthetic filling   materials. Because of the lighter weight the mixing is easier and quicker. With its soft sanding properties shaping can be made to closer tolerances and needs less sanding to bring it to contour. The soft sanding properties of Body Light also reduces abrasive paper usage. Days after application the Body Light can still be sanded with minimal effort.

Part No	Description
64457	3kg Soft Sanding Filler

LOCTITE 3463 is a versatile, dual component, easy to use, steel-filled epoxy repair putty. It is applied like a putty and when cured it exhibits high compressive strength and good adhesion to most surfaces. This product stops leaks in pipes and tanks, fills oversized bolt holes, smoothes welds, and repairs non-structural defects in castings or holes in tanks. This product is typically used in applications with an operating temperature range of -30 °C to +121 °C.

Part No	Description
60645	114Gram Metal Magic Steel Stick

Brummer Stopping - 225 Grams

Exterior Grade woodfiller available in many wood shades. A waterproof filler for exterior use, excellent for filling holes and cracks in exterior woodwork e.g. windowsills, doors and garden furniture and is ideal for a wide variety of marine applications as it will not shrink or crack and is impervious to sea-water. May also be used on concrete, plaster, fibreglass and stonework.

Part No	Shade
64105	White
64110	Teak
64115	Med. Mahogany
64117	Light Oak

Bonda Wood Fill is ideal for filling shallow and deep imperfections on wood as well as for skim coating and grain filling. It can be used to build up damaged edges or splits on windows and doorframes or on any type of wooden furniture which needs repairing. This 2 part filler contains rapid hardening properties enabling it to dry and harden very quickly to form a smooth dense surface. It can be sanded, drilled, filed and machined when hard. After it has dried and has been prepared it can be primed and painted using regular paints.

Part No	Description
64580	Teak 500grams
64581	Mahogany 500grams
64582	Oak 500grams
64583	Pine 500grams
64584	White 500grams
64585	Redwood 500grams
64586	Utile 500grams
64591	Supersoft Woodfill Cream 200grams
64592	Supersoft Woodfill Dark 200grams

Raw Linseed Oil

A traditional completely natural oil from the extract of flax seed which penetrates unsealed wood leaving a natural, water resistant finish with a slightly enhanced colour that darkens slightly with age. For use on oak beams, bean canes, cricket bats, and many woodcraft applications and can be used as a lubricant in French Polishing (not suitable for furniture or flooring).

Part No	Description
61515	Raw 500ml
61510	Raw 5 Litre

Boiled Linseed Oil

A natural linseed oil (from the extract of flax seed) blended with driers to improve drying times. Boiled Linseed penetrates unsealed wood leaving a natural, water resistant finish with a slightly enhanced colour that darkens slightly with age. For oiling many types of bare wood mainly for internal use and Woodcare applications. (Not suitable for Oak, furniture or flooring).

A traditional treatment to seal terracotta tiles and other porous substrates. Can be mixed with burnt sand to form a caulking to fill gaps between timber and masonry.

Part No	Description
61520	Boiled 5 Litre

Caulking Cotton

It is useful for caulking seams on traditional wooden boats.

0.5Kg Ball

60475

Oakum

Oakum steeped in Stockholm Tar. Generally used for caulking below the waterline.

4kg Bale

60478

Red Lead Powder

A bright orange powder with strong preservative properties. When mixed with linseed oil putty, it makes 'red lead putty' for use as stopping in seams below the waterline on wooden craft. Appropriate proportions are 16 parts putty to 1 part red lead powder, with linseed oil added to modify the consistency.

Sold by the kilogram tin.

1 Kg

60490

Linseed Oil Putty

Traditional linseed oil based putty for external single glazing into primed softwood, hardwood frames and steel. Requires a protective paint system. Not recommended for use with micro- porous coating

0.5Kg	1Kg	5Kg
60320	60325	60330

Profair

A light weight two-component, epoxy filler, featuring high adhesion and water resistance and when fully cured is easy to sand. Can be applied to a film thickness up to 25 mm without sagging. As a filler and fairing compound, especially suitable for profiling large areas and detailed fairing where structural strength and flexibility is required. It can be used on most primed rigid substrates, above and below the waterline.

1 Litre
67381

Pro Filler

ProFiller is a two-component, lightweight epoxy filler, featuring high adhesion and water resistance. When fully cured it is easy to sand. Can be applied in coats up to 10-12mm for a uniform smooth finish.

5 ltr
66576

Watertite

Watertite is a quick drying epoxy filler which does not shrink and is extremely water resistant, making it suitable for osmosis damage repairs. Fill up to 20mm without sagging. Use above and below the waterline. High strength and adhesion properties. Simple 1:1 mixing ratio for easy measurement of components. Very fast drying. Super-smooth.

Suitable Thinners: None

Coverage: 0.2m^2 / ltr

Substrates: GRP, Metals & Wood

250ml	1ltr
68406	68407

Gorilla Epoxy Syringe

The easy-to-use syringe keeps the resin and hardener separate, so it is easy to dispense and won't harden over time. The two-part, gap-filling formula easily bonds steel, aluminium, wood, ceramic, tile and most plastics. Plus, it dries in an ideal, crystal-clear finish that makes projects look spotless. Grip Time: 30 Minutes // Open Time: 5 Minutes Dry Time: 24 Hours // Dry Colour: Clear Full Cure: 24 Hours

Part No	Description
60835	Gorilla Epoxy 25ml

Interfill 830

A lightweight epoxy profiling fairing compound used for profiling above and below the waterline on steel, aluminium and composite. Interfill 830 is the premium choice of profiling fillers for professional applicators. High expectations and stringent industry requirements have made Interfill 830 one of the most popular fairing compounds in the world. Interfill 830 is available in both fast and standard cure applications.

Type	5ltr
Standard	68623
Fast	68621

Interfill 833

Interfill 833 is a technically advanced, easy sand Epoxy Finishing Fairing Compound for use over Interfill 830 profiling filler, to correct minor surface defects before application of finishing coats. The Interfill 833 is coloured green to contrast with the Interfill 830. This makes it easy to monitor film thickness and sand-through during the application procedure.

Type	5ltr
Standard	68624
Fast	68625

Marine Epoxy Adhesive - 600grm

A two-part epoxy resin-adhesive with a neutral colour, specifically designed for use with the range of Treadmaster coverings. Gives excellent long term resistance to UV, seawater and continual impact in the harsh marine environment. One pack is sufficient for bonding one sheet of Treadmaster.

Part No
91880

AMPRO™

Easy to use, Low Toxicity, Solvent-free Multi-purpose Epoxy System for Coating, Bonding, Laminating and Filling

THE PROFESSIONALS' CHOICE

Select the right system…	AMPRO™	AMPRO™ CLR	AMPRO™ BIO	AMPRO™ SEAL
Low temperature curing	X	X		
Clear coating		X		
Grain enhancing wood coating	X		X	
Bio-based content	<10%		40 - 60%	40 - 60%
Sealing & priming porous surfaces				X
Filling, Fairing or Bonding	X	X	X	

Select the hardener speed…	Fast	Slow	Extra-Slow
Working time with a brush at 20°C	1-2 hours	4-5 hours	5-6 hours
50g pot-life in air at 20°C	1/2 hour	1 hour	1 1/2 hours

Ampro 2 Part Epoxy Systems

Low Temperature Curing Multipurpose System.
SP 106 re-engineered.
3 : 1 mix ratio by volume.
No surface residue, even at +5°C.
For bonding, laminating & filling

Part No	Description
67701	Ampro™ 1.33KG Fast Pack
67702	Ampro™ 1.33KG Slow Pack
67703	Ampro™ 4.2KG Fast Pack
67704	Ampro™ 4.2KG Slow Pack
67705	Ampro™ 10KG Resin Only
67706	Ampro™ 20KG Resin Only
67707	Ampro™ 3KG Fast Hardener Only
67708	Ampro™ 3KG Slow Hardener Only
67709	Ampro™ 6KG Fast Hardener Only
67710	Ampro™ 6KG Slow Hardener Only
67721	Ampro™ 1.33KG Calibrated Pump Set
67722	Ampro™ 4.2KG Calibrated Pump Set
67723	Ampro™ 10 KG Calibrated Pump Set

Ampro Seal 1.3KG

Eposeal 300 re-engineered.
3:1 mix ratio by volume.
No surface residue, even at +5°C.
For sealing & priming porous surfaces.

Part No	Description
67715	Ampro™ Seal 1.3KG

Ampro Clear 1.3KG

SP 320 re-engineered.
3 : 1 mix ratio by volume.
No surface residue, even at +5°C.
Ideal for clear coating applications.

Part No	Description
67720	Ampro™ Clear 1.3KG

Ampro Bio Based Epoxy System

Accredited bio-based system.
3 : 1 mix ratio by volume.
No surface residue, even at +5°C.
For bonding, laminating & filling

Part No	Description
67716	Ampro™ Bio 1.30KG Fast Pack
67717	Ampro™ Bio 1.30KG Slow Pack
67719	Ampro™ Bio 4.1KG Slow Pack

Microfibres: Structural Bonding
Opaque, very fine cellulose wood fibres for structural bonding. Suitable for both wood and GRP.

Part No	Description
67711	Ampro™ Microfibres 500ml
67605	Ampro™ Microfibres 0.5kg

Silica: Waterproof Resin Thickener
Fine waterproof, white powder, used to thicken the epoxy system. Can be used with Glass Bubbles, Microballoons and Microfibres.

Part No	Description
67712	Ampro™ Colloidal Silica 40g
67615	Ampro™ Colloidal Silica 0.25kg

Microballoons : Wood Filling & Bonding
Brown, hollow phenolic resin spheres ideal for wood applications. Easy to profile and sand for filling, filleting and bonding.

Part No	Description
67713	Ampro™ Microballoons 500ml
67625	Ampro™ Microballoons 0.3kg

Glass Bubbles: Waterproof Filling & Bonding White, hollow glass spheres for waterproof filling and bonding. Ideal as a finishing filler for hard wearing edges & surfaces.

Part No	Description
67714	Ampro™ Glass Bubbles 500ml
67631	Ampro™ Glass Bubbles 0.3kg

Select the additive (s)….	Micro Balloons	Glass Bubbles	Micro Fibres	AMPRO Silica
Easy to sand. Filling and filleting for cosmetic wood applications.	X			X
Water-proof or lowest-cost filler for general applications.		X		X
Hard surface finish filler for hard wearing edges and surfaces.		X		X
General bonding of softwood, brown in colour	X			X
General bonding of softwood, white in colour		X		X
Structural bonding of wood or composite, opaque in colour.			X	X

Mixing Sticks

Pack of 100 lollipop sticks.

Part No	Item
67940	Mixing Sticks (Box 100)

Syringes

Available individually or in a kit that includes both sizes and plastic extension tubes.

Part No	Item
67920	10ml
67921	50ml

30cm Mixing Stick

S-shaped polypropylene paint stirrer. The s-shape make the mixing stick sturdier. Corrosion-resistant to both paint and thinner.

Part No	Size
67941	30cm

Mirka Mixing Cups

Sold Individually

Calibrated mixing cups for paint and epoxy products.

Part No	Size
67951	400ml cup
67950	650ml cup
67955	1300ml cup
67960	2300ml cup
67962	6ltr Cup

Glass Fibre Mat Packs

Chopped strand glass fibre mat.

Part No	Pack Size
64505	1m x 1m

Glass Fibre Tapes

Glass fibre tape available in either close or open weaves.

Part No	Pack Size
64520	Open Weave 2M
64525	Open Weave 50M

Seaware Polyester Resin (Lloyds approved)

A marine grade high quality resin which comes complete with an easy to mix hardener. Mainly used for laminating glassfibre using cloth or matting. Used for repairs, rebuilds and reinforcing.

Part No	Description
64528	Polyester Resin 1kg
64529	Polyester Resin 2.5kg
64530	Polyester Resin 5 kg

Glass Fibre Resin

High strength marine grade polyester resin. Use with glass fibre mat or cloth for permanent repairs or for reinforcing GRP, metal, wood or masonry. Also for fabricating GRP mouldings. Bonda Resin provides rapid 'wet out' of glass fibre. The easy mix Hardener provides a maximum reactive resin system.

Part	Size
64465	250g
64470	500g
64475	1Kg
64480	2.5Kg
64485	5Kg
64490	Spare catalyst for 500g
64495	Spare catalyst for 1Kg

Small Fibreglass Repair Kit

500g general purpose resin
25g catalyst
½ m² 300g chopped strand mat
3x 12mm brushes
3x 385ml calibrated mixing cups
10ml syringe
3x stirring sticks
3 pairs latex glove

Part No	Size
64526	Small

Large Fibreglass Repair Kit

2x 500g general purpose resin
25g catalyst
1 m² 300g chopped strand mat
3x 12mm brushes
3x 25mm Brushes
1x 1400ml calibrated cup
3x 385ml calibrated mixing cups
10ml syringe
6x stirring sticks
6 pairs latex gloves

Part No	Size
64527	Large

Wood Fillers and adhesives

The professional choice

www.wudcare.co.uk

Wudcare Adhesive Fast Grab 5 minute

A strong polyurethane glue that has a fast initial grab time and will expand slightly to increase bite strength. For interior and exterior use.

Fast Grab 5 minute has an initial grab time of 5 to 10 minutes and a firm bond in 4 hours. Full cure will require 24 hours.

After setting, the bond is very stable resisting 'creep', immersion in salt water and exposure to the elements. Use on damp wood, hardwoods, concrete, metal, brick, tarmac, MDF, polystyrene, cork and fibreglass.

Part No	Description
64612	500gram PU Wood Adhesive
64611	1kg PU Wood Adhesive

Collano Wood Glue - 800 Gram Tube

A unique marine wood glue. Collano Semparoc is one of the most versatile glues available. It is economical to use straight from the bottle with little wastage. Collano Semparoc reacts with moisture thus making it ideal for use in wet conditions - 25% moisture in the wood, even at temperatures as low as 5°C. Collano Semparoc regular allows well over one hour assembly time and cures in 3-4 hours.

Part No	Description
64610	Regular (Open Time 1 Hour / Press Time 3-4 Hours at 20 °C)

Gorilla Glue

Water activated, it expands into materials to form an incredibly strong bond to virtually anything. As your solution for almost any project or repair, Gorilla Glue is 100% waterproof, weatherproof, you-name-it-proof. It's safe for indoor and outdoor use and strong enough to stand up to intense heat or cold. Sand it, paint it, stain it. Simply stated, it's the Toughest Glue on Planet Earth.

Grip Time: 1-2 Hours // Open Time: 10-15 Minutes Dry Time: 80% in 1-2 Hours // Dry Colour: Light Tan Full Cure: 24 Hours

| 60800 | Gorilla Glue 115ml |
| 60801 | Gorilla Glue 250ml |

Gorilla Wood Glue

Gorilla Wood Glue, a PVA glue, offers the benefits of an easy-to use, water-based adhesive, with all the holding power Gorilla is known for. The glue is incredibly water resistant and dries a natural colour that offers an invisible bond line for your projects.

Grip Time: 20-30 Minutes
Open Time: 5-10 Minutes
Dry Time: 80% in 1-2 Hours
Dry Colour: Natural Wood Colour
Full Cure: 24 Hours

| 60820 | Gorilla Wood Glue 118ml |
| 60822 | Gorilla Wood Glue 532ml |

Cascamite

Cascamite structural wood glue is supplied as a powder, to be mixed with cold water as and when required. Once mixed Cascamite is usable to apply for about 1 hour and sets after 6 hours.

Cascamite is specially formulated for exterior joinery exposed to the weather. The powder system enables extremely good gap filling properties, preventing water penetration into joints and producing stronger bonds; ideal for exterior joinery, windows, doors, boats, gates and bathrooms.

Part No	Size		
64420	200gram		
64425	500gram		
64430	1.5kg		
64440	3kg		

DYN - 185 - Aerodux Resorcinol Resin Kit - 1.2kg & 6kg pack sizes.

Liquid phenol-resorcinol resin adhesive for wood. A two-part system which provides a waterproof, structural bond.

Aerodux 185 is a 2 Pack resorcinol resin adhesive. Totally waterproof, resorcinol resin is recommended for use not only in structural timber applications but also for demanding and critical applications such as fire doors. Used extensively for bonding difficult timbers and can also be used to bond materials such as expanded polystyrene, plastic laminates, natural rubbers and some sheet metals. Can be used if required in hot pressing applications.

Mixed by weight. Ratio of mix 5 parts resin to 1 part powder.

Part No	Description
64403	1.2kg
64405	6kg

Plexus MA300 Cream

Fast high strength Methacrylate Adhesive. Two-part methacrylate adhesive designed for structural bonding of composite, thermoplastic, and metal assemblies. Plexus MA300 has a working time of 3 to 6 minutes and reaches approximately 500 psi in 12 minutes and 1,000 psi in 15 minutes at 74°F (23°C). Medium open time of 3 – 6 mins Easy to use 1:1 ratio Fast, consistent strength development at room temperature High strength, stiffness and toughened Non-sag thixotropic dispensing

Part No	Description
60413	Plexus MA 300 Cream 400ml Adhesive
60414	Plexus 3592 Nozzle 400ml
60403	Plexus MA 300 50ml Adhesive
60404	Plexus 3590 Nozzle 50ml

Superfast Adhesive

SUPERFAST PLUS provides an exceptionally strong bond between almost all kinds of materials, with the exception of polyethylene, polypropylene and fluorine containing plastic materials.

Materials which can be bonded:
ABS, aluminium, Bakelite, bronze, butyl, celluloid, chloroprene, chrome, Delrin, glass, copper, natural rubber, NBR, neoprene, nitrile, nylon, phenol, polycarbonate, polystyrene, porcelain, hard PVC, stainless steel, steel. For porous materials, use with SUPERFAST PLUS Activator.

Part No	Description
60517	20ml Superfast Adhesive
60518	50ml Superfast Adhesive
60519	150ml Activator

Scotch-Weld 10

Scotch-Weld Contact Cement 10 is a liquid, air-drying, adhesive which bonds immediately and permanently upon application of contact pressure. There is no need for clamping or fixturing.

1 Ltr

63773

Marine Epoxy Adhesive - 600grams

This two pack epoxy adhesive is designed to provide the ultimate in bonding performance. Ideal for use on a wide range of deck materials, it provides a bond which is suitable for the most arduous of conditions. Full instructions are on the can. Coverage Approx. 2 Sheets (1200mm x 900mm)

Part No

91880

Loctite EA 3463 Metal Magic 114g Stick

Structural Bonding - 2-component epoxy. Steel-filled kneadable stick for emergency repair. LOCTITE 3463 is a versatile, dual component, easy to use, steel-filled epoxy repair putty. It is applied like a putty and when cured it exhibits high compressive strength and good adhesion to most surfaces. This product stops leaks in pipes and tanks, fills oversized bolt holes, smoothens welds, and repairs non-structural defects in castings or holes in tanks. This product is typically used in applications with an operating temperature range of -30 °C to +121 °C. For the emergency repair of tanks, pipes and castings. Operating temperature range -55 °C to +120 °C.

Part No

60645

Spray 74 - Foam Bonding Adhesive

Ideal for general upholstery foam bonding. Bonds fabric to many surfaces. Non-misting, precise spray control.

500ml Aerosol

63763

Spray 77 - Multi-Purpose Adhesive

A high-tack, high-coverage, fast-drying, transparent adhesive for permanently attaching foils, carpeting, foam, paper, cardboard, felt, cloth etc. to painted or unpainted metals, hardboards and other base materials.

500ml Aerosol

63764

Spray 80 - Neoprene Contact Adhesive

Neoprene contact adhesive, excellent for attaching vinyl, insulation foam, padding and rubber parts to metal and other surfaces.

500ml Aerosol

63765

Spray 90 - High Strength Adhesive

Formulated for bonding rigid materials. High bond strength and one minute dry time. Will adhere polyethylene and polypropylene to wood, metal and many other materials.

500ml Aerosol

63766

Wudcare Heavy Duty Spray Adhesive

A long-lasting, multi purpose spray adhesive designed to produce a high bond between a wide variety of materials. For interior and exterior use. Suitable for most surfaces such as: Carpet, Fabrics, Laminates, Plastics, Insulation, Rubber and Foam.

Part No	Description
64613	500ml PU Wudcare Heavy Duty Spray Adhesive

Trim - Fix Adhesive

Trim Fix spray adhesive is a multipurpose, high temperature resistant, heavy duty spray adhesive specially designed for the automotive industry. Ideally suitable for use on any trimming applications including panels, headlining and carpets. High temperature resistant – up to 120 degrees. Easy to apply – heavy duty spray adhesive. Dries clear – white spray

Part No	Description
64615	Trim Fix Adhesive 500ml Aerosol

Loctite 577

This thread Sealant is designed for the locking and sealing of metal pipes and fittings as well as other threaded assemblies. The product provides an instant, low-pressure seal for metal pipes and fittings. It will not creep, shrink or shred. It has excellent chemical and thermal resistance and offers less migration of liquid product after application.

Part No	Description
60644	50ml Thread Sealant

Loctite Hydraulic Seal 542

Medium viscosity
For sealing threaded hydraulic and pneumatic parts. Will not clog valves or fine filters and has a thixotropic quality which prevents migration of the sealant. Impervious to all common hydraulic fluids including fire-resistant synthetics. Resistant to Hydraulic Fluids including Synthetics

-55 /+150 °C

Part No	Description
60646	50ml Thread Sealant
60649	10ml Thread Sealant

Loctite High Strength 2701

LOCTITE® 2701 is a green, low viscosity, methacrylate-based threadlocking adhesive with high strength, especially for chromated surfaces. Steel fixture time of 10 min, brass 4 min and stainless steel 25 min. Tolerates slight contaminations of industrial oils. Suitable for all metal fasteners. Fluoresces under UV light.

Part No	Description
60647	50ml Thread Sealant
60648	10ml Thread Sealant

Gorilla Super Glue

Gorilla Super Glue dries in 10–30 seconds and is reinforced with rubber for increased impact resistance. We call it Impact-Tough® because it stands up to wear and tear unlike any other instant glue. Grip Time: 10-30 Seconds // Open Time: Not Repositionable // Dry Time: Light Handling after 1-5 Minutes // Dry Colour: Translucent Full Cure: 24 Hours

Part No	Description
60840	Gorilla Superglue 15 grams

Precision Super Glue

The original 'super glue'. Suitable for a variety of surfaces, including metal, china, rubber, wood, leather and most plastics.

Part No	Description
60629	Liquid 5gm Bottle

Stud 'N Bearing Fit - 270

Loctite Stud 'n' Bearing fit is a fast acting high strength threadlocker and bearing retainer that can be used on metal threads, shafts, housings and bearings.

Part No	Description
60643	24ml

Loctite Power Flex Gel

Universal instant adhesive glue / rubber infused gel formula, strong and flexible / non drip gel.

Ideal for paper/card/porcelain/china/leather/rubber/wood/metal/craft/hobby/model making/most plastics

Part No	Description
60630	Gel 3gm Tube

Lock 'NSeal - 243

Fast acting thread and lock sealant. Locks carburettor screws, alternator housings, seals oil pressure switches. Vibration proof.

5ml	10ml	24ml
60637	60650	60638

Instant Gasket

Forms perfect replacement gasket and gasket dressings in minutes. Resistant to water, heat, oil, anti-freeze, transmission and brake fluids. 40ml tube.

Part No
60636

Loctite 248 Threadlocker 19g Stick

LOCTITE 248 is a general purpose threadlocker with medium bond strength. This product is available in a convenient stick format. This threadlocker secures and seals bolts, nuts and studs to prevent loosening due to vibration. The product works on all metals, including passive substrates such as stainless steel, aluminium and plated surfaces. It is proven to be tolerant of minor contamination due to industrial oils, e.g. engine oils, corrosion prevention oils and cutting fluids.

Part No	Description
60651	19g Medium Stick

Inflatable Boat Repair Kits

Orange kit for neoprene inflatables containing: 125g glue with catalyser + 2 x 14.5 x 21.5cm neoprene patches + brush + sand paper + user instructions.

White/Grey kit for PVC inflatables containing: 125g glue + PVC cleaning product + 2 x 14.5 x 21.5cm neoprene patches + brush + activator + user instructions.

Part No	Description
96255	Orange Neoprene inflatable repair kit
96256	White PVC inflatable repair kit
96257	Grey PVC inflatable repair kit

C-Tec South West Limited, Unit 1 Willow Tree Court, Brannam Crescent, Roundswell Business Park, Barnstaple, Devon, EX31 3TD

CT1 Sealant & Adhesive 290ml

CT1 is the only product in the market with TRIBRID® Technology, making it 360% stronger than a traditional Hybrid Polymer.
With TRIBRID® Technology, it is scientifically proven to have excellent colour retention – white stays white and clear stays clear.
CT1 will successfully bond: All metals (including lead) , Glass Mirrors, All woods, MDF, Polystyrene, Fiberglass
Tiles, Concrete, Most stones (without staining), Most synthetic materials, Plastics (excluding PP, PE and PTFE).

Part No	Colour
60510	Black 290ml
60511	White 290ml
60512	Clear 290ml
60513	Grey 290ml
60514	Brown 290ml

Multisolve Aerosol Degreaser + Cleaner

MultiSolve is a complete new multi-purpose solvent; for the safe removal of adhesives and sealants. Removes adhesives, sealants, oil, grease, silicon, wax, tar, paraffin, printing ink etc. Leaves no oil film. Fast, thorough and safe degreasing and cleaning. Can be used on painted surfaces, vinyl, glass, rubber and plastics. Fast drying.

500ml Aerosol
60516

Arbosil 1096 Black Silicone Sealant 380ml

Arbosil 1096 is a one part Low Modulus Neutral Cure Silicone Sealant which cures on exposure to moisture vapour to form an elastic silicone rubber.
Recommended :
Glass Wall Assemblies
Perimeter Seals in Curtain Walls
Perimeter Sealing of Polyester Powder Coated Frames
Sealing of Windows in Swimming Pools
Polycarbonate & Acrylic Sheeting
Not recommended:
Overpainting
Natural Stone

Part No	Colour
60399	Black 380ml

3200 Silicone Sealant 280ml

A mildew resistant non-sagging moisture curing rubber sealant. Remainsflexible with excellent resistance to the marine environment. Adheres to bare/ painted metal, fibreglass, gloss, non-oily woods and many plastics and abraded rubbers.

Part No	Colour
63739	White 280ml
63741	Clear 280ml

Arbomast GP

Arbomast GP is a one part oil based sealant intended primarily for general pointing and sealing of many joints in traditional forms of construction. It forms a skin, but the bulk of the material remains plastic beneath the skin.

Recommended for: Perimeter sealing of painted timber frames.

Sealing of preformed concrete panels e.g. Garages

Part No	Colour
60398	380ml Black

Arbomast BR 380ml Grey

One part Butyl Rubber based sealant which only cures on the surface and remains putty like. Can be used as a bedding compound for marine windows and other low movement joints.

Part No	Colour
60397	380ml Grey

Sabatack® 750 XL Sealant & Adhesive 290ml

Extended skin time of approx. 15 minutes
Extended open time of approx. 30 minutes
High end strength, fast drying.
Adhesion without primer.
UV- stable, high temperature resistance.

Can be painted wet-on-wet, hardly any shrinkage.

No blistering, almost odourless.

Free from solvents, isocyanates and silicones.

Certificates: Germanischer Lloyd (WP 0840006 HH), Wheelmark (164.106/1121/WCL MED0326), ISEGA (in connection with HACCP).

Part No	Description
60465	Sabatack 750XL Teak 290ml (RAL8008)
60466	Sabatack 750XL White 290ml
60467	Sabatack 750XL Black 290ml

BT1 Bathroom Sealant & Adhesive 290ml

BT1 is based on our revolutionary TRIBRID® Technology! We have created a unique product upon which bacteria/microbes cannot survive, making it easier to maintain a more hygienic surface which is free of solvents and isocyanates. No more mould and fungal growth!

BT1 will successfully bond:
Woods
Metals
Brickwork
Concrete
Fibreglass
Glass
Ceramics
uPVC
And most plastics (except PP, PE and PTFE), even in wet conditions.

Part No	Colour
60515	White 290ml

4000UV Stay White Adhesive Sealant

Resistant to weathering, saltwater, and stresses caused by joint movement. Seals between mechanically fastened joints on wood, fibreglass, metal and most plastics above and below the waterline. 295ml Tube

Part No	Colour
63742	White 295ml

Sikaflex 221 - General Purpose Adhesive

A one component, polyurethane based adhesive and sealant. Excellent adhesion to concrete, metals, wood, epoxy, GRP, paints and varnishes. Good permanent flexibility, making it ideal as a general purpose bedding compound and sealant both above and below the waterline. Fast cure rate - it is tack free after about an hour. Can be sanded and painted. 310ml cartridge.

Part No	Colour
60426	Grey 310ml

4200FC Adhesive Sealant - 295ml Tube

A one part general purpose polyurethane adhesive/sealant. Chemically reacts with moisture to deliver flexible bonds with good adhesion to wood, fibreglass, gel coat, plastics and metals. Paintable and sandable. Forms watertight, weather resistant seals on joints and boat hardware above and below the waterline. NOTE: When very high strength or unremovable bonds are required, use 3M 5200 or 5200FC. Not recommended for sealing wood decks because it may be permanently softened by certain teak cleaners or sealers. Cure time: 1 day

Part No	Colour
63734	Black 295ml
63733	White 295ml

5200 Adhesive Sealant - 295ml Tube

High performance, one component polyurethane adhesive/sealant with no shrinkage. The seal is extremely strong, retains its strength above or below the waterline. Stays flexible too - allows for structural movement. Stress caused by shock, vibration, swelling or shrinking is effectively absorbed. Easy to apply with manual caulking gun. Remains workable with trowel or spatula for up to 4 hours after application. Standard cure (7 days). (Fast cure version cures in 24hrs)

Part No	Colour
63731	Black 295ml
63728	White 295ml
63732	White Fast Cure 295ml

Sikaflex 291i - General Purpose Sealant & Adhesive

One component, polyurethane based adhesive and sealant developed specifically for the marine construction industry.
Excellent flexibility and will adhere well to most materials.

Sikaflex 291 has very similar characteristics to 221, but has added UV filters.

Colour	70ml Tube	300ml Cartridge
Black	60405	60423
White	60412	60425

Sikaflex® -295UV Marine Plastic Window Glazing Adhesive

It has been specially developed for the marine industry, where it is used to bond and seal plastic glazing materials in boats and ships. Because of its excellent weatherability this product can also be used to seal joints in areas of severe exposure. Suitable substrates are aluminium (bright or anodized), GRP (polyester resin), stainless steel, timber and plastic glazing materials (PC, PMMA).

Part No	Description
60430	Sika 295 UV 300ml Black
60429	Sika 295 UV 400ml White Sausage

Sikaflex 296 Marine Mineral Glass Glazing Adhesive

Sikaflex 296 is ideal for direct glazing of mineral glass which requires a purpose designed adhesive with the right combination of application properties and performance characteristics. This is a fast curing elastic polyurethane that is suitable for all types of mineral glass.

Part No	Description
60428	Sikaflex 296 600ml Black Sausage

Sikaflex 290DC Pro Deck Caulking

Sikaflex 290 DC is a one-part UV-resistant polyurethane based joint sealing compound specially formulated for caulking joints in traditional timbermarine decking. The sealing compound cures to form a flexible elastomer which can be sanded.

Excellent resistance to seawater and weathering. 310ml will fill 10m of 5mm X 5mm seam approx.

Colour	300ml Cartridge	600ml Sausage
Black	60445	60446

SIS 440 Teak Deck Caulking

TDS Deck Sealant is a one-part neutral cure system which, when exposed to moisture in the air, reacts to form a tough, flexible, solid rubber compound. The sealant is a thixotropic material, which does not sag during cure, and, when cured, has excellent temperature stability and chemical resistance. It is non-corrosive to all substrates and available in black. No priming is required. White and Grey available to order.

Part No	Description
60500	305ml Tube - Black
60501	592ml Sausage - Black

Saba Deck Tape 4mm x 66M

Bond breaker tape used for deck caulking.

Part No	Description
60502	Saba deck Tape 4mm x 66M

Sikaflex 290DC Primer

This primer is formulated to remove surface contamination and wood oils prior to the application of Sikaflex 290DC. This is critical, especially when dealing with oily woods such as Teak.

Part No	Description
60454	250ml

Sikaflex Marine Multiprimer - 250ml

For use with: Sikaflex 221,291 & 290DC. SIKA Multiprimer Marine is an all purpose and easy to apply primer, for use on most substrates such as wood, metals, plastics and painted substrates. SIKA Multiprimer Marine typically dries in 10 minutes ready for Sikaflex application.

Part No	Description
60453	Sika Multiprimer Marine 250ml

Sika Primer 207 100ml

This primer is used to give improved adhesion in adhesive bonding applications on a very broad range of different substrates such as float glass, ceramic-coated glass, plastics, pre coatings, painted surfaces, E-coats and metals. This product is suitable for experienced professional users only.

Part No	Description
60431	Sika Primer 207 100ml

Sika Primer 205 250ml

A solvent cleaner and conditioner which improves adhesion on non-porous surfaces for Sikaflex adhesives.

Part No	Description
60450	Sika Primer 205 250ml

Sika Primer 206 Glass + Metal

Black UV block primer for mineral glass, to be used in conjunction with Sika Activator. Can Also be used on stainless steel as well and two part epoxy/polyurethane paints.

Part No	Description
60455	250ml

Sika Primer 215 250ml

Special formulation for use on all GRP, wood and some plastic substrates.

Part No	Description
60452	Sika Primer 215 250ml

Caulking Gun

Metal caulking gun fits standard cartridge sizes.

Part No
60470

600ml Professional Caulking Gun

Caulking gun suitable for 400 or 600 ml sausages and 310ml tubes. Aluminium tube 375 mm. Power ratio of 12:1.

Part No
60472

Spare Sikaflex Nozzle

Sold individually will fit sikaflex caulking gun tubes. Handy removable red screw top.

Part No
60473

Spare Caulking Gun Nozzle

Will fit most types of sealant cartridges.

Part No
60471

Spare Sikaflex Witches Hat Nozzle

Part No
60456

Arbo Spares

Part No	Description
60457	Empty 400ml Cartridge
60458	Spare Nozzle
60459	End Caps
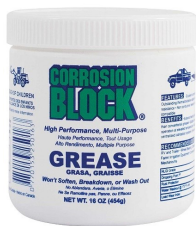
Corrosion Block Grease

It is an anti-corrosion compound developed exclusively to stop existing corrosion and prevent new. It is unique in that it is designed for use in electrics and electronics as well as metals and structures. This makes this product essential for your day-to-day routine maintenance and as a long-term asset protection for your boat/equipment within the harsh marine environment

Part No	Item
91731	Grease 454g Tub
91732	340g Aerosol
91733	14oz Cartridge

Morris K99 Stern Tube Grease 500g

This grease has outstanding water resistant qualities and is designed to form a special seal at the water interface. This grade is a high quality lead-free calcium hydroxide stearate grease with special additives to provide extreme pressure properties, improve oxidation resistance and protect against rust and corrosion. Recommended for grease filled stern tubes. Also suitable for plain and anti-friction bearings operating in very wet conditions.

Part No
91730

Aqua Slip Grease 500g

Carlube Aqua Slip Grease provides high resistance to salt water corrosion and water washout in addition to allowing good shear stability over a wide temperature range. It is suitable for a wide range of marine applications including; trailer wheel bearings, stern tubes/propeller shafts, cables and pulleys etc.

Part No
63076

Blakes Seacock Grease 500g

Formulated for marine use with high adhesion properties and resistance to water wash out. Primarily designed to be used with the Blakes Seacocks, this quality grease can be used for many other similar marine applications on board your boat.
Working temperature range -30°C to +70°C (-70°F to +160°F).

Part No
10673

MPG Universal Marine Grease 500g

MPG is a multi-purpose lithium based grease containing zinc oxide additive to repel moisture, making it particularly suitable for use in marine outboard and inboard engines. Also ideal for use in boat trailer hubs and stern tubes.

Part No	Description
91761	MPG Grease 500g

Copper Grease 70g

A high performance lead-free anti seize compound which is designed for application to threads of nuts and bolts prior to assembly to ensure easy release without damage, even after long periods in adverse conditions. The product is based on a non-melting grease containing a complex blend of heat resistant solids and low shear metals.

Part No
63074

Loctite Superlube

Superlube with Syncolon (PTFE) is a multi-purpose synthetic lubricant, safe to use on anything that slides, swivels, rolls or squeaks. It withstands temperatures within a range of -43C to 232C. This lubricant forms a non-toxic, anti-corrosive shield that prevents rust and is impervious to salt water.

Part No	Description
60639	Superlube Aerosol 375ml
60640	Superlube Grease Tube 85g
60642	Superlube Oiler Pen 7g

3-IN-ONE Multipurpose Drip Oil

3-IN-ONE's original drip oil lubricates, cleans and prevents rust. Its precise, easy-to-use drip spout enables precise lubrication, with no overspray or splatter. It can be used on in-line skates, tools, bicycles, wheels, fans and moving parts.

100ml
63062

WD-40

Stops squeaks, displaces water, cleans and protects, loosens rusted parts and frees stuck mechanisms.

300ml	450ml
61650	61652

Double TT Spray

Penetrates and eases corroded parts. Frees and lubricates locks, hinges etc. Stops squeaks on springs, castors etc. Leaves a protective coating to help prevent rust and corrosion. Removes crayon marks, gum and adhesives. Displaces moisture.

Part No	Size
63050	200ml
63052	400ml
63054	600ml

Tef-Gel Anti Corrosion Gel 28g Syringe

When dismantling equipment for maintenance or repairs, this is the stuff you need. Tef Gel is a PTFE based waterproof lubricant with anti-corrosion and anti-seize properties. Tef Gel does not break down in salt water or detergents.

28 Gram Syringe
60700

Multisolve Aerosol Degreaser + Cleaner

MultiSolve is a complete new multi-purpose solvent for the safe removal of adhesives and sealants. Removes adhesives, sealants, oil, grease, silicon, wax, tar, paraffin, printing ink etc. Leaves no oil film. Fast, thorough and safe degreasing and cleaning. Can be used on painted surfaces, vinyl, glass, rubber and plastics. Fast drying.

500ml Aerosol
60516

Duck Oil

A multi purpose service spray. Lubricates, penetrates, displaces water and inhibits corrosion. It is non-conductive and so can be used on all types of electrical equipment without impairing performance. Insulates electrics due to high dielectric strength. It is versatile and can be used on almost any surface. It is also silicone free and so is compatible for use in paint shops.

Part No	Item
61643	500ml Aerosol
61645	5 Litre Tin
61646	Spray Bottle

Jizer

A specially formulated emulsifiable solvent degreaser. Removes mineral oil, grease, tar, bitumen and waxes from most surfaces with a powerful dissolving action. Rinses off completely with water.

500ml	5 Litre Tin
61630	61635

MP3 Sport Semi Synthetic 2 Stroke Outboard Oil

Rock Oil synthetic blend 2 stroke outboard MP3 Sport is a NMMA TCW-3 certified oil, capable of the lean oil to fuel ratios of modern high performance air and liquid cooled two stroke outboard engines. The advanced additives ensure easy starting and clean running even under continuous use. It is perfectly suited to oil injection systems but can be premixed. Its ease of starting and clean running characteristics, also make MP3 Sport an ideal lubricant for other high performance two stroke applications.

Part No	Description
91750	MP3 Sport 1 Litre
91751	MP3 Sport 5 Litre

MP + Sport 4 Stroke Semi Synthetic Outboard Oil

Rock Oil MP Plus semi-synthetic engine oil is a specially designed NMMA FC-W accredited lubricant for use in all modern 4 stroke outboards. With all-new modern 4 stroke outboards requiring this specification, it can be used with confidence in all 4 strokes outboard application where NMMA FC-W is required. The product is suitable where SAE 10W30, 10 W 40, 15W40 and 25W40 are recommended. It has been blended from the highest quality base oil with state of the art synthetic additives to withstand the rigours of the marine environment. It provides excellent protection from start-up, even in the lowest temperature, to the high operating temperatures of high revving 4 stroke outboard engines. It is suitable for use in both petrol and diesel outboards.

Part No	Description
91754	MP4 + Sport 1 Litre
91755	MP4 + Sport 5 Litre

MP4 Sport 15W-40 4 Stroke Semi synthetic Inboard Oil

Rock Oil MP4 Sport is a premium grade 4 stroke engine oil designed for standard & high-performance engines. The advanced additive, high detergent formulation ensures maximum engine component protection & superior resistance to deposits and corrosion, resulting in extended engine life & optimum performance under all conditions. Especially suitable for the latest inboard high output marine applications.

Grade: API SL/CI-4, ACEA A3/B4 E5/E7, Volvo VDS-2, VDS-3

Part No	Description
91752	MP4 Sport 1 Litre
91753	MP4 Sport 5 Litre

HLP 32 Hydraulic Oil

Rock Oil HLP32 is a high quality, viscosity grade 32, mineral oil based, hydraulic oil. This oil contains high levels of anti-wear, anti-corrosion, antioxidation and anti-foam additives. This oil is specially suited to hydraulic systems where high levels of anti-wear and protection are required in conjunction with good service life reliability.

Part No	Description
91762	HLP 32 5 Litre

Ultraflex Hydraulic Steering Oil

Grade 15 hydraulic oil.

Part No	Description
11795	1 Litre Ultraflex Steering Oil

Hypoid EP 80W-90 Gear Oil

Rock Oil gear oil is developed from the finest base stocks available combined with state-of-the art extreme pressure (EP) additives for use in hypoid axles and gearbox applications.

Hypoid EP 80W-90 Gear Oil is blended to the requirements of the API specification GL-4 making it especially suitable for automotive applications where EP oils are recommended. The Hypoid EP 80W-90 Gear Oil meets or exceeds the following specifications: API GL-4 ZF TE ML 01 (Manual, Non-Synchro Transmissions) ZF TE ML 08 (Steering Systems) ZF TE ML 17A (Transmissions for Lift Trucks)

Part No	Description
91756	EP 80W90 500ml
91757	EP 80w90 1 Litre
91760	EP 80w90 5 Litre

Super Marine Inhibitor Spray

(Fogging Oil)

Super marine inhibitor spray consists of a light mineral oil blended with sophisticated corrosion inhibitors and oxidation stabilisers. In use, it produces a soft, oily film which coats the unexposed internal surfaces. It is ideal, therefore, for applications such as laying up engines. It may also be used on external surfaces where it yields a water repellent, lubricated surface which also prevents rust formation.

Part No	Description
91758	400ml aerosol

Vetus Marine Diesel Engine Oil 15W-40

It is suitable for all modern marine diesel engines and generator sets. It also meets the very high requirements of turbo-charged engines and engines with modern valve technology. This mineral oil provides low oil consumption, excellent rust and internal corrosion protection and detergents to maintain engine cleanliness. As a result, optimal combustion and low exhaust emission values are ensured.

Vetus Marine Diesel Engine Oil 15W-40 exceeds the requirements of: API CI-4, ACEA A3/B3, A3/B4, E7, MB 228.3/229.1, MAN M3275, Volvo VDS-3, Cummins CES 20071/ 20072 / 20076 / 20077, CAT ECF-1.

Part No	Vetus	Description
56742	VMD151	Diesel Oil Sae 15W-40 1 Litre
56743	VMD154	Diesel Oil Sae 15W-40 4 Litre

Vetus Marine Diesel Synthetic Engine Oil 10W-40

This state of the art engine oil is recommended for the new generation marine diesel engines, ensuring low fuel and oil consumption, optimum protection against wear and tear and corrosion and a long service life. The product is ideal for use in diesel engines with very low exhaust gas emissions, in combination with modern low sulphur fuels.

Vetus Marine Diesel Synthetic Engine Oil 10W-40 exceeds the requirements of: API CF/SL; ACEA A3/B4, E4, E7;MB 228.5/229.1; MAN M3277CRT; VW 505.00; Volvo VDS-2

Part No	Vetus	Description
56745	VMD101	Synthetic Engine Oil 10W-40 1 Litre
56746	VMD104	Synthetic Engine Oil 10W-40 4 Litre

Vetus Special Gearbox Oil 80W-90

This is recommended for use in bow thruster drive legs, anchor windlass gearboxes and outboard motor drive legs if compliant with the manufacturer's specifications. This oil contains additives which offer full protection against wear and tear, as well as metal to metal contact which may   occur under extreme loadings. It has excellent anti-corrosion properties and resistance to ageing. May be mixed with other API GL4 and GL5 oil types.

Vetus Special Gearbox Oil exceeds the requirements of: API GL-5, SAE 80W-90

Part No	Vetus	Description
56748	VBT05	Special Gearbox Oil 80W-90 500ml

Vetus Hydraulic Steering Oil HF15

This is a low viscosity oil for hydraulic steering systems with optimum results at all temperatures. This oil has a very low coagulation point and a very high viscosity index. May be mixed with other hydraulic mineral oils.
Specification
Viscosity: 22 cSt at 20° C.
Viscosity index: 353
DIN 51524
Colour: green

Part No	Vetus	Description
56752	VHS1	Hydraulic Steering Oil 1 Litre

Vetus hydraulic oil (HLP ISO-VG46).

Hydraulic oil is an oil for all power hydraulic systems. The product has particularly high EP and corrosion resistance properties.

Part No	Vetus	Description
56754	VHT1	Hydraulic Oil 1 Litre

The Economy Oil Absorbent Pillow is an excellent absorber of pooled liquids that can gather in tight spaces behind machinery and work benches. The pillow is hydrophobic (absorbs hydrocarbons and repels water) so it is designed to selectively absorb large volumes of oil.

Dimensions: 300mm x 250mm

Absorbency per pillow: 2.5 litres

Part No	Description
91300	Oil Absorbent Pillow

Vetus Transmission Oil 80W-90

This is suitable for all types of marine transmissions which specify Automatic Transmission Fluid (ATF) Dextron IID or ATF Suffix A. This oil contains additives which protect the internal metal parts of the transmission against corrosion and wear, even at high operational temperatures.
It is also suitable for hydraulic systems, for which this oil quality is specified.
May not be used in applications where API GL4 or GL5 are specified. Vetus Transmission Oil exceeds the require-ments of: Dexron IID ZF TE-ML-03D/04D/11A/14A/17C GM Dexron IID
Colour: red.

Part No	Vetus	Description
56750	VTF1	Transmission Oil 80W-90 1 Litre

3M™ Maintenance Sorbent Pad (Sold Individually)

High Capacity, 15 in x 20 in.

For use on most non-aggressive liquids. Highly absorbent, low profile design. Perfect for placing in, under, and around machines. This high capacity sorbent has a scrim on one side to increase strength and help eliminate linting. This conveniently sized pad allows the user to quickly spread sorbent on and in the path of a spill.

Part No	Description
64046	3M Oil Absorbent Sheet 40cm X 52cm

Fuel Primer Bulbs

Part No	Description
11762	8mm Fuel Primer Bulb
11763	10mm Fuel Primer Bulb

Passivated Steel Sump Pump

A simple and convenient solution to changing oil, especially on engines with inaccessible drain plugs. Also ideal for transferring diesel between tanks or to fill small day tanks. 15 strokes per litre.

Barrel Dia: 29mm.

Part No	Description
74205	Sump Pump

Part No	Description
76152	Brass Oil Change Pump 300mm long

Soft Motor Flusher

Rectangular motor flusher with hose adaptor. Moulded rubber PVC on 8mm painted steel handle. Helps extend engine life by preventing corrosion by standing sea water, sand and silt. Designed for outboard engines with side water inlets. No tools required.

Part No	Description
76164	Motor Flusher (Soft)

Heavy Duty Motor Flusher

Heavy Duty, Twin Sided, Rectangular motor flusher with hose adaptor. Moulded rubber PVC on 8mm painted steel handle. Helps extend engine life by preventing corrosion by standing sea water, sand and silt.
Designed for outboard engines with side water inlets.
No tools required.

Part No	Description
76154	Motor Flusher (Heavy Duty)

The FUELSAFE overcomes the risk of fuel theft simply and cheaply by making it impossible to insert a siphon hose into the tank through the filling hose.

55 x 72 Height x Width (mm)

Internal Hose Diameter (38mm or 51mm)

Part No	Vetus	Description
56326	FUELSAFE	Fuel Antitheft Device

Marinised Morendo

Diesel 'Bug' Killer & Fuel Treatment additive specifically for marine craft, boats and yachts.

Part No	Description
61554	1 Litre

De-ionised Water

De-ionized water is produced by passing feed water over an ion-exchange medium, which electro-lytically removes charged contami-nants and exchanges them for hydrogen ions and hydroxyl ions, which combine to produce water.

Part No	Description
63056	De-Ionised Water 1 Litre
63058	De-Ionised Water 5 Litre

Blue Star Antifreeze based on mono-ethylene glycol, containing corrosion inhibitors designed to give protection down to -36°C to 50% dillution.

When mixed with water the anti-freeze can be used as a factory fill or a service "top-up" coolant for suitable engine cooling systems, designed for a life of 2 years.

Part No	Description
63060	Anti Freeze 1 Litre
63061	Anti Freeze 2 Litre

Jerry Can 5L, 10L , 20L

Specially developed for carriage and storage of drinking water

Strong and lightweight

Rectangle shape with carry handle

Part No	Capacity
91510	5 Litres
91505	10 Litres
91500	20 Litres

Red Fuel Jerrycans

Heavy-duty jerrycan for diesel or petrol which includes a swivelling pouring spout. Don't leave close to heat source. In case of very hot temperature, don't fill the tank more than 3/4.

Part No	Capacity
91718	10 Litres
91719	20 Litres

DRAPER®

Draper syphon pump

Manufactured from plastic, the pump is a useful item for transferring a wide variety of inert liquids. Inlet pipe 390mm long; outlet pipe 400mm long. Display packed.

Part No
90558

❶ Press and unlock the safety cap
❷ Fuel nozzle / Dust cap / Screw cap
❸ ✔
❹ A B
❺ Apply pressure to pour
❻ Place back in order ✔

CarPlan
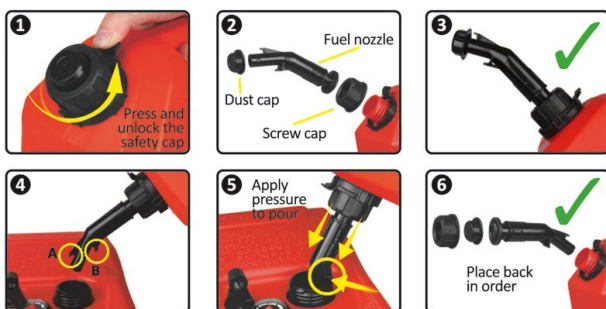
Heavy Duty Rugged Jerrycans

Very heavy and rugged tanks. The smart nozzle has the following characteristics: - Lid with kid-safe closure. - Nozzle inside the tank when not in use. - Closure valve to overturn the tank and start delivery only when the nozzle is stuck into the deck plug. - Nozzle with vent for regular and spray-free flow.

Part No	Capacity
91511	5 Litres
91512	10 Litres
91513	20 Litres

© Osculati Srl

Bell Tetra Cans

Robust 5 Litre fuel cans with square-sided design.

Comply with S.I. 1982/630.

Part No	Description
91715	5 Litre Red (Petrol)
91716	5 Litre Green (Unleaded)
91717	5 Litre Black (Diesel)

Brass Fittings

Brass Butt Hinges (Sold Each)

Part No	Length X Open Width
45300	1 1/2" X 3/4" (38 X 19mm)
45590	1 1/2" X 7/8" (38 X 22mm)
45310	2" X 7/8" (51 X 22mm)
45610	2" X 1 1/8" (51 X 29mm)
45320	2 1/2" X 1 1/8" (64 X 29mm)
45630	2 1/2" X 1 3/8" (64 X 35mm)
45330	3" X 1 3/8" (76 X 35mm)
45640	3" X 1 5/8" (76 X 41mm)
45660	4" X 2 3/8" (102 X 60mm)

Card Table Brass Hinges (Sold Each)

Part No	Length X Open Width
45405	1/2" X 3" (13 X 76mm)

Brass Hasp & Staple (sold each)

Part No	Description
Brass	Length X Width
45000	3" X 1" (76 X 25mm)

Brass Lifting Rings (sold each)

Part No	Description
Brass	Length X Width
45200	1 1/2" X 1 1/8" (38 X 29mm)

Brass Backflap Hinges (Sold Each)

Hinge is made from solid drawn brass extrusion to BS 249 and are fitted with brass pins and finished joints.

Part No	Length X Open Width
45350	1 1/4" X 1 7/8" (32 X 48mm)
45360	1 1/2" X 2 3/8" (38 X 60mm)
45380	2" X 3" (51 X 76mm)
45390	2 1/2" X 4" (64 X 102mm)

Brass Barrel Bolts (sold each)

Part No	Description
Brass	Length x Width
45040	2" X 1" (51 X 25mm)
45060	2 1/2" X 1" (64 X 25mm)
45080	3" X 1" (76 X 25mm)
45100	4" X 1 1/4" (102 X 32mm)
45112	6" X 1 1/4" (152 X 32mm)

Brass Turn Button (sold each)

Part No	Description
45037	Brass (38mm X 10mm)

Brass Spring Catch (sold each)

Part No	Description
Brass	Length X Width
45560	2" X 1 1/2" (51 X 38mm)

Brass Piano Hinge

Standard Duty 0.9mm Thick

Part No	Description
45410	Brass Piano Hinge 25mm x 1.83m
45420	Brass Piano Hinge 32mm x 1.83m
45430	Brass Piano Hinge 38mm x 1.83m
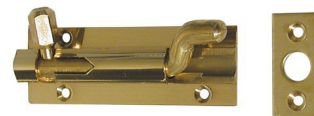
Brass Necked Barrel Bolts (sold each)

Part No	Description
Brass	L X W
45081	3" X 1" (76 X 25mm)

Brass button on plates (sold each)

Part No	Description
Brass	Diameter
45035	2" (51mm)

50mm Brass Ball Catch (sold each)

Brass body enclosing sprung steel balls.

Part No	Description
45480	Double Ball Catch

Brass Wardrobe Hooks

Part No	Description
45195	Single
45196	Double

Brass Flush Draw Handles

Part No	Description
Brass	Length X Width
45462	3" X 1 7/8" (76 X 48mm)
45464	3 1/2" X 2" (89 X 51mm)

Brass Butterfly Vent

Part No	Description
Brass	Length X Height
48020	6" X 3" (152 X 76mm)
48024	9" X 6" (228 X 152mm)

Brass Door Handles

A pull handle which can also be used as a sash handle.

Part No	Length
45468	5" (127mm)

Brass Silent Cabin Hooks

Part No	Description
Brass	Length
45120	2 1/2" (64mm)
45140	3" (76mm)
45160	4" (102mm)
45180	6" (152mm)

6" x 3"

9" x 3"

9" x 6"

12" x 6"

Brass Louvered Vents

Part No	Description
Brass	Length X Height
48035	6" X 3" (152 X 76mm)
48037	9" X 3" (229 X 76mm)
48039	9" X 6" (229 X 152mm)
48041	12" X 6" (305 X 152mm)

Chrome Plated Fittings

6" x 3"

9" x 3"

9" x 6"

12" x 6"

Chrome Plated Louvered Vents

Part No	Description
Chrome	Length X Height
48036	6" X 3" (152 X 76mm)
48038	9" X 3" (229 X 76mm)
48040	9" X 6" (229 X 152mm)
48042	12" X 6" (305 X 152mm)

Chrome Hit & Miss Vents

Part No	Description
Chrome	Length X Height
48021	6" X 3" (152 X 76mm)
48023	9" X 3" (228 X 76mm)
48025	9" X 6" (228 X 152mm)

Chrome Butterfly Vents

Part No	Description
Chrome	Diameter
48016	3 3/4" (95mm)
48017	5" (127mm)

Chrome Plated Fittings

Chrome Plated Butt Hinges (Sold Each)

Part No	Length X Open Width
45302	1 1/2" X 3/4" (38 X 19mm)
45592	1 1/2" X 7/8" (38 X 22mm)
45312	2" X 7/8" (51 X 22mm)
45612	2" X 1 1/8" (51 X 29mm)
45322	2 1/2" X 1 1/8" (64 X 29mm)
45632	2 1/2" X 1 3/8" (64 X 35mm)
45331	3" X 1 3/8" (76 X 35mm)
45642	3" X 1 5/8" (76 X 41mm)
45662	4" X 2 3/8" (102 X 60mm)

Chrome Plated Backflap Hinges (Sold Each)

Hinge is made from solid drawn brass extrusion to BS 249 and are fitted with Brass pins and finished joints.

Part No	Length X Open Width
45362	1 1/2" X 2 3/8" (38 X 60mm)
45382	2" X 3" (51 X 76mm)
45392	2 1/2" X 4" (64 X 102mm)

Chrome Plated Brass Piano Hinge

Standard Duty 0.9mm Thick

Part No	Description
45440	Chrome Piano Hinge 25mm x 1.83m
45450	Chrome Piano Hinge 32mm x 1.83m
45460	Chrome Piano Hinge 38mm x 1.83m

Chrome Plated Necked Barrel Bolts

(sold each)

Part No	Description
Chrome	L X W
45091	3" X 1" (76 X 25mm)

Cabinet Doorstop

Made of chromed brass.

52 x 33mm

Part No	Description
96301	Chromed Brass Doorstop

Chrome Plated Barrel Bolts

(sold each)

Part No	Description
Chrome	Length x Width
45050	2" X 1" (51 X 25mm)
45070	2 1/2" X 1" (64 X 25mm)
45090	3" X 1" (76 X 25mm)
45110	4" X 1 1/4" (102 X 32mm)
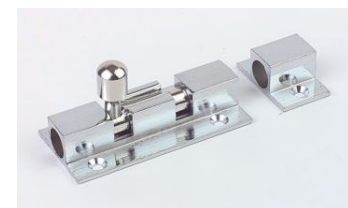
Chrome Plated Barrel Bolt

Square profile.

Part No	Description
76104	51mm Long
76106	76mm Long
76108	102mm Long

Chrome Plated Hasp & Staple

Part No	Description
Chrome	Length X Width
45010	3" X 1" (76 X 25mm)

Part No	Description
45470	Chrome Brass Finger Catch

Chrome Plated Button On Plate

(sold each)

Part No	Description
45036	2" (51mm) Diameter

Teak Finger Ring

Part No	Outside Diameter	Inside Diameter
45471	40mm	30mm

Chromed Brass Flush Latch

Made of chromed brass; lowered with spring, use for lockers and other uses.

57mm x 40mm Latch

18mm x 40mm Latch

Part No	Description
96305	Chromed Brass Flush Latch

Chrome Plated Spring Catch

Part No	Description
Chrome	Length X Width
45580	2" X 1 1/2" (51 X 38mm)

Chrome Plated Flush Draw Handles

Part No	Description
Chrome	Length X Width
45463	3" X 1 7/8" (76 X 48mm)
45465	3 1/2" X 2" (89 X 51mm)

Chrome Plated Lifting Ring

Part No	Description
Chrome	Length X Width
45210	1 1/2" X 1 1/8" (38 X 29mm)
45230	2" X 1 1/2" (51 X 38mm)
45250	2 1/2" X 2" (64 X 51mm)

Chrome Plated Silent Cabin Hook

Made of chromed brass, double joint.

Part No	Description
96308	60mm Long
96309	80mm Long
96310	100mm Long

Chrome Plated Wardrobe Hook

Part No	
Chrome	Description
45194	Single

Chrome Plated / Brass Traditional Cabin Hook

Part No		Description
Brass	Chrome	Length
45120	45130	2 1/2" (64mm)
45140	45150	3" (76mm)
45160	45170	4" (102mm)
45180	45190	6" (152mm)

Deluxe doorstep ratchet 49mm

49mm x 8mm

Made of chromed brass with stainless steel bearings and springs.

Part No	Description
96311	Deluxe doorstep ratchet CP

Roll Locks Chrome Plated

2 Parts. Nylon Rollers.

Part No	Size
48061	Height 28mm
48062	Height 36mm

Magnetic Slide Latch

Door latch & strike with lock. Easily adjustable slide that is actuated when parallel with strike.
Suitable for +12mm thick doors.
91mm x 56mm

Part No
96559

Push Button Locks

Plastic locks for cabinets.

Suitable for doors 16 - 22 mm thick.

Chrome	Gold
48050	48051

Door Locks

Push-button brass.
Housing 70x45mm.
In brown or white.

Brown	White	Size
48055	48058	13mm
48056	48059	16mm
48057	48060	19mm

Stainless Steel Fittings

Stainless Steel Butt Hinges (Sold Each)

Part No	Length X Open Width
45492	2 1/4" X 1 1/2" (57 X 38mm)
45491	2 3/8" X 1 1/8" (60 X 29mm)
45489	2 1/2" X 1 3/4" (64 X 44mm)
45493	3" X 1 1/2" (76 X 38mm)
45490	3" X 2" (76 X 51mm)

Stainless Steel Piano Hinge (Sold each)

Heavy Duty 1.2mm Thick

Length 1.83m

Part No	Description
45485	25mm x 1.83m
45486	32mm x 1.83m
45487	50mm x 1.83m

(Sold Each)

Special stainless steel extra strength hinges, mirror polished finish, suitable for engine trunks and heavy duty usage.

Part No	Description
96280	130mm Long x 90mm Wide x 2.5mm Thick
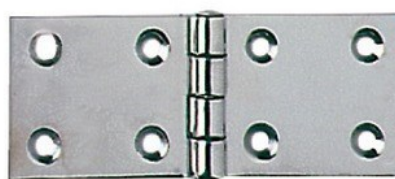
(Sold Each)

Special stainless steel extra strength hinges, mirror polished finish, suitable for engine trunks and heavy duty usage.

Part No	Description
96283	110mm Long x 45mm Wide x 2.5mm Thick
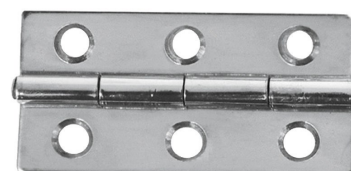
(Sold Each)

Mirror Polished Stainless Steel Rectangular Hinge 60 x 30mm

Part No	Description
96287	60mm Long x 30mm Wide x 1.3mm Thick
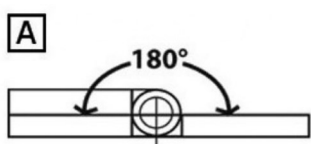
Type A

Type B

Type C

Stainless Steel Top Pin Hinge

High quality cast polished AISI 316 stainless steel.

4mm thickness.

Type A

180° opening.

(Sold Each)

Part No	Description
96290	Hinge A 180° 66 x 66mm
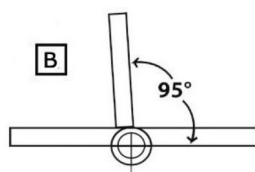
Stainless Steel Underpin Hinge

High quality cast polished AISI 316 stainless steel.

4mm thickness.

Type B

95° opening.

(Sold Each)

Part No	Description
96291	Hinge B 95° 66 x 66mm
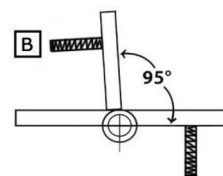
Stainless Steel Smooth Stud

High quality cast polished AISI 316 stainless steel.

4mm thickness.

Type C

95° opening.

(Sold Each)

Part No	Description
96292	Hinge C 95% 66 x 66mm
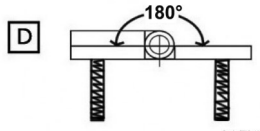
Type D

Stainless Steel Top Pin Stud

High quality cast polished AISI 316 stainless steel.

4mm thickness.

Type D

180° opening.

(Sold Each)

Part No	Description
96293	Hinge D 180° 66 x 66mm
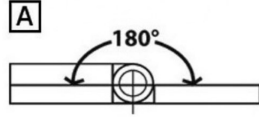
Type A

Stainless Steel Top Pin Hinge

High quality cast polished AISI 316 stainless steel.

4mm thickness.

Type A

180° opening.

(Sold Each)

Part No	Description
96294	Hinge A 180° 76 x 40mm
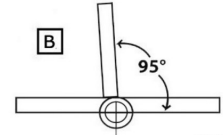
Type B

Stainless Steel Underpin Hinge

High quality cast polished AISI 316 stainless steel.

4mm thickness.

Type B

180° opening.

(Sold Each)

Part No	Description
96295	Hinge B 95° 76 x 40mm
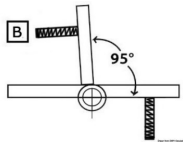
Type C

Stainless Steel Smooth Stud

High quality cast polished AISI 316 stainless steel.

4mm thickness.

Type C

95° opening.

(Sold Each)

Part No	Description
96296	Hinge C 95° 76 x 40mm
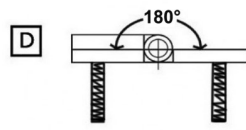
Type D

Stainless Steel Top Pin Stud

High quality cast polished AISI 316 stainless steel.

4mm thickness.

Type D

180° opening.

(Sold Each)

Part No	Description
96297	Hinge D 180° 76 x 40mm
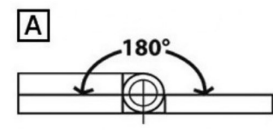
Type A

Stainless Steel Top Pin Hinge

High quality cast polished AISI 316 stainless steel.

4mm thickness.

Type A

180° opening.

(Sold Each)

Part No	Description
96298	Hinge A 95° 83 x 65mm

Type B
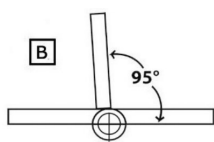
Stainless Steel Top Pin Hinge

High quality cast polished AISI 316 stainless steel.

4mm thickness.

Type B

95° opening.

(Sold Each)

Part No	Description
96299	Hinge B 95° 83 x 65mm

Type C
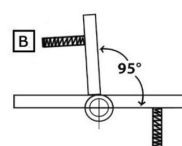
Stainless Steel Top Pin Hinge

High quality cast polished AISI 316 stainless steel.

4mm thickness.

Type C

95° opening.

(Sold Each)

Part No	Description
96300	Hinge C 95° 83 x 65mm

Counter Hinge SS AISI 316

Cast mirror-polished AISI316 stainless steel hinges. 5mm Thick.

(Sold Each)

Part No	Description
48090	38 x 74mm Counter Hinge

Skylight Hinge SS AISI 316

Cast mirror-polished AISI316 stainless steel hinges. 5mm Thick.

(Sold Each)

Part No	Description
48092	38 x 100mm Skylight Hinge

Short Side Door Hinge SS AISI 316

Cast mirror-polished AISI316 stainless steel hinges. 5mm Thick.

(Sold Each)

Part No	Description
48094	38 x 57mm Short Side Door Hinge

Short Side Door Hinge SS AISI 316

Cast mirror-polished AISI316 stainless steel hinges. 5mm Thick.

(Sold Each)

Part No	Description
48096	39 x 74mm Short Side Door Hinge
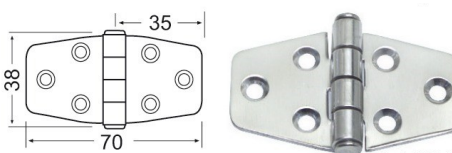
Stainless Steel Backflap Hinges
(Sold Each)

Part No	Length X Open Width
45482	38mm X 70mm

Stainless Steel Removable Pin Backflap Hinges

Made in stainless steel, mirror polished, with special grease to guarantee a soft movement.

(Sold Each)

Part No	Description
96284	72mm Long x 38.5mm Wide x 2.5mm Thick
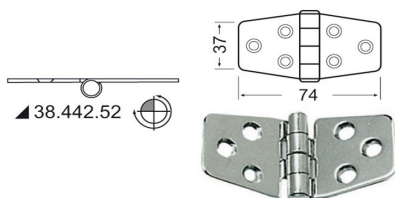
Backflap Hinge

Reversed Pin

Made of mirror polished stainless steel. Vibration damping by means of a braked central axle. 2mm Thick.

Part No	Description
45494	74 x 37mm
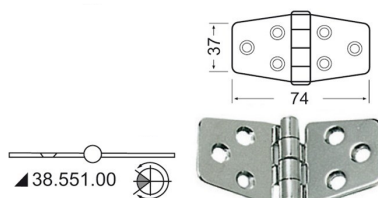
Backflap Hinge

Central Pin

Made of mirror polished stainless steel. Vibration damping by means of a braked central axle. 2mm Thick.

Part No	Description
45495	74 x 37mm
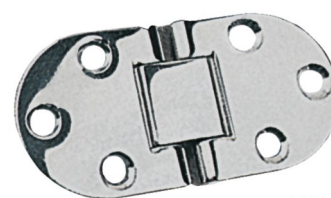
Stainless Steel Foldable Hinge

Made in stainless steel mirror polished, useful for tables. Casted central part.

(Sold Each)

Part No	Description
96281	76mm long x 38mm Wide

Hidden Hinge

HInges for built-in doors, 180° opening. Satin finish. Can hold up to 10kg.

Part No	Description
96465	53mm Hidden Hinge Pack of 2

Stainless Steel Foldable Hinge

Made in stainless steel mirror polished, useful for tables. Casted central part.

Part No	Description
96282	84mm long x 30mm Wide
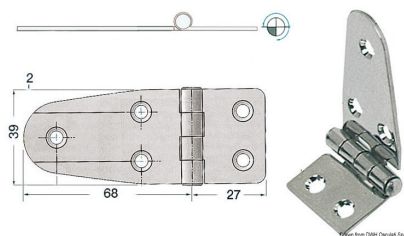
Stainless Steel Hinge

2mm thickness

(sold each)

Part No	Description
96286	95mm Long x 39mm Wide

Rounded Stainless Barrel Bolts

These traditional designed, time tested barrel bolts have an anti-rattle bushing included. Stainless Steel AISI 316.

Part No	Description
76324	Length 90mm
76326	Length 110mm
76328	Length 120mm

Stainless Steel Pull Latch

Made of stainless steel, light and sturdy, mirror polished finish. Model fitted with ring return spring to eliminate vibrations.

Part No	Description
96306	SS Pull Latch 55 x 65mm
96307	SS Pull Latch 38 x 40mm

Stainless steel AISI 316 Lifting Ring

Part No	Description	Size
48053	Lifting Ring	56 x 48mm

Strap Hinge

(sold each)

Part No	Description
45483	Strap Hinge SS 129mm x 40mm

Button Plate

Made of AISI 316 stainless steel; designed to fix bottom boards or cabinet doors.

Part No	Description
96304	45mmØ Button Plate
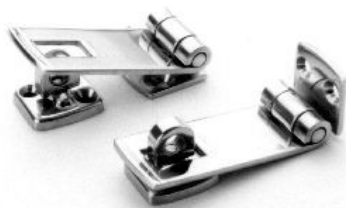
Stainless Swivel Hasp

316 Grade Stainless Steel

Made of precision cast AISI 316 stainless steel, mirror polished, fitted with swivelling padlock.

90mm x 26mm

Part No	Description
23133	Swivel Hasp

Hatch Handle

Heavy Duty, fitted with handle and return spring

Made of precision cast mirror polished AISI 316 stainless steel.

Part No	Description	Size
48052	Hatch Handle	55 x 77mm

Skylight Hinge

(sold each)

Part No	Description
45484	Length 180mm x 40mm Width

Stainless Steel Lifting Ring

Casted 316 Stainless Steel. 38 x 48mm

Part No	Description
23135	Stainless Steel Lifting Ring

Heavy Duty Hasp & Staple

Mirror polished stainless steel

Closed 33 x 87mm

Open Length 33 x 107mm

Part No	Description
96303	Heavy Duty SS Hasp & Staple

Fabricated Stainless Steel Door Hooks
Stainless Steel (304)

Fabricated Stainless Steel Hand Polished Door Hooks, with a plastic bushing in the eye which prevents accidental unhooking due to vibration. This bushing also absorbs rattling sounds.

Part No	Description
76140	Anti Rattle Door Hook 51mm
76142	Anti Rattle Door Hook 64mm
76144	Anti Rattle Door Hook 84mm
76146	Anti Rattle Door Hook 104mm

Cam Over Centre Latch

316 cast stainless steel.
Heavy duty cast construction. Spring loaded. The strike pin has an offset screw hole allowing tension adjustment by 1mm. The new installation Jig allows for accurate installation of the Strike Pin.
Length when closed 82mm
Width 25mm
Height 15mm

Part No	Description
76400	Compression Latch Smooth
76402	Compression Latch Locking

308 grade stainless steel. Supplied with a horizontal mount catch plate but can be supplied with a 90° catch plate on request.

Part No	Part No	Description
Standard	Locking Version	Length
45500	45510	70mm
45520	45530	120mm
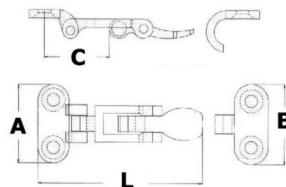
Anti Rattle Catch SS AISI 316

Locker latch with padlock ring

Part No	Description	A (mm)	B (mm)	C (mm)	L (mm)
48098	Anti Rattle Catch	50	48	42	110

Coat Hook

316 Stainless Steel, spring loaded coat hook allows for a neat and safe fitting when not in use.
51mm x 29mm x 14mm (closed).
Hook protrudes 54mm (open).

Part No	Description
76388	SS 316 Folding Coat Hook

Spring Hatch Stay 350mm

Made of stainless steel, fitted with spring hatch opening
system, supports heavy loads, suitable for hatches and bilge peaks.

2 fixing plates size 47x47 mm

Part No	Description
96063	Stainless Steel 350mm Stay

Spring Hatch Stay

Useful for holding locker lids, hatches and doors. Length: 222 mm.

Part No	Description
48054	Stainless Steel 222mm Stay
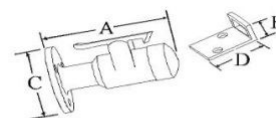
	A	B	C	D
INCH	2-1/2"	11/16"	2"	1-15/16"
MM	61	17	50	30

Door Stop & Catch

This is the answer to all swinging door probles. This attractive 316 Stainless Steel latch has an automatic latch feature and rubber bumper stop. Latch hinge welded closed and polished for that elegant look. 2 1/2".

Part No	Description
96555	Door Stop & Catch
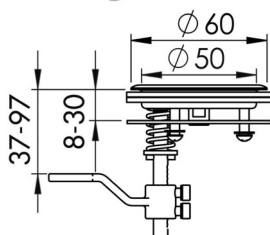
Compression Lift and turn flush latch External Ø 60mm

Bulkhead hole Ø 51mm

Bulkhead thickness 8 - 30mm

Stop stroke 37 - 97mm

Part No	
76350	51mm Non Locking
76352	51mm Locking
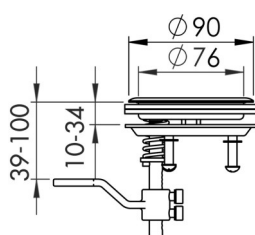
Compression Lift and turn flush latch External Ø 90mm

Bulkhead hole Ø 76mm

Bulkhead thickness 10 - 34mm

Stop stroke 39 - 100mm

Part No	
76358	76mm Non Locking
76360	76mm Locking

Standard Flush Pull Latch

AISI 316

For thickness 5-12mm
External Ø 62mm
recess Ø 50mm

Part No	
76354	50mm Non Locking
76356	50mm Locking
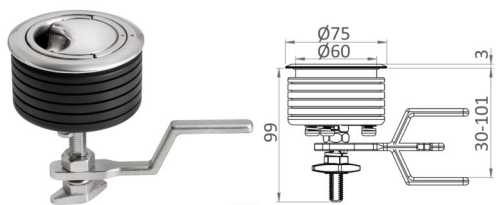
Eclipse MK2 75mm Flush Latch

External Ø 75mm. Bore Ø 60mm. Bulkhead thickness 5-36mm . Adjustable stop lever 30-101mm. Featuring a very comfortable grip, it offers all the best characteristics in a single flush deck design model. Flush design. Large ergonomic handle. 360° rotation. Handle can be lowered every 90°. Open/close indicator. Ergonomic nut for easy calibration. Ergonomic nut for emergency exit. Straight cam suitable for sliding doors and having two different positions. Two-position cam. Plastic spacer with marks for customized cut.

Part No	Description
96407	75mm Flush Latch

Locker Latch

Made of stainless steel, fitted with spring button and padlock ring hole plate.

Part No	
96080	

Standard Flush Pull Latch

AISI 316

For thickness 7-19mm
External Ø 75mm
recess Ø 63mm

Part No	
76344	63mm Non Locking
76346	63mm Locking
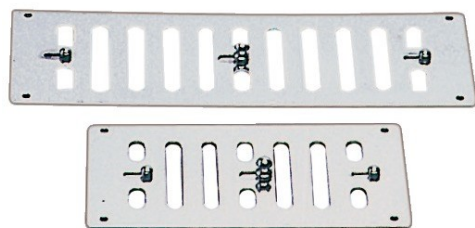
Stainless Steel Hit & Miss Vents

Made of polished stainless steel.

Part No	Description
48018	152mm x 76mm Hit & Miss Vent
48019	229mm x 76mm Hit & Miss Vent

Stainless Steel Butterfly Vents

Made of polished stainless steel, fitted with rotating locking system.

Part No	Description
48012	4"
48010	5"
48008	6"

Shell Vents

Stamped stainless steel shell (midget) vent

304 Stainless Steel

Part No	Size
76196	41mm x 41mm
76198	57mm x 54mm
76200	25mm H x 90mm Width x 93mm L

48027

48028

48030

48032

48031

Stainless Steel Louvered Vents

Oval style

Made with polished stainless steel

Part No	Description
48027	116mm x 128mm
48028	235mm x 118mm

Stainless Steel 304 Round Vents

Part No	Description
76158	102mm SS Round Vent
76160	127mm SS Round Vent
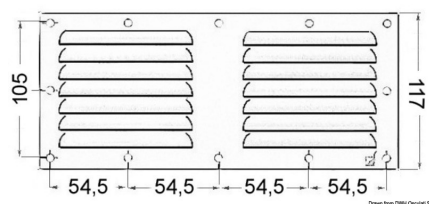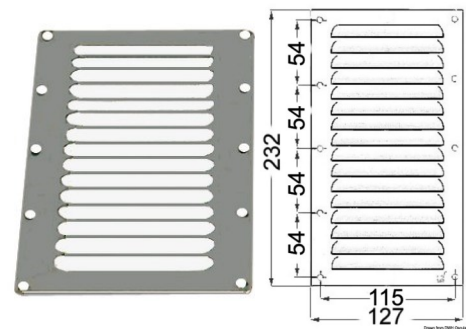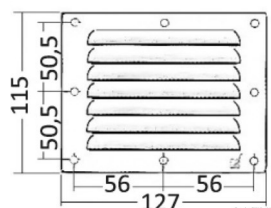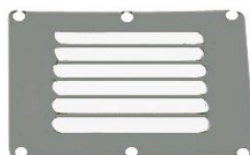
Stainless Steel Louvered Vents

Rectangular style

Made with polished stainless steel

Part No	Description
48030	SS Louvered Vent 67mm x 127mm
48031	SS Louvered Vent 115mm x 127mm
48032	SS Louvered Vent 118mm x 232mm
48033	SS Louvered Vent 127mm x 232mm

ABS White Louvered Vent

Part No	Description
96554	201 x 101mm white vent

Nylon Fittings

White Nylon Butt Hinges (Sold Each)

Part No	Length X Open Width
45685	2 1/2" X 1 5/8" (64 X 41mm)
45686	3" X 1 7/8" (76 X 48mm)

Nylon Backflap Hinges (Sold Each)

Made of reinforced nylon.

White Hinge.

Part No	Description
96285	54mm Long x 38mm Wide

Nylon Counter Hinges (Sold Each)

Made of reinforced nylon.

White Hinge.

Part No	Description
96336	65 x 40mm
96337	98 x 65mm

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SERIES 20 (12V)

[**12M / 39FT Boat Length**]

Port Light - 1nm

Part No**:**   70210
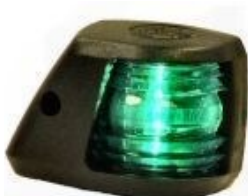
Starboard - 1nm

Part No: 70200
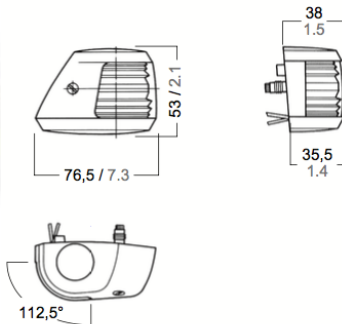
Spare Bulb 12V 5W

Part No: 70360

Stern Light Transom Mount - 1nm

Part No: 70220
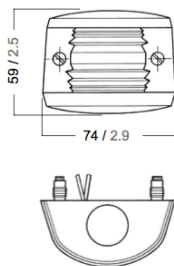
Dimensions in: mm / inch

All Round White Anchor Pole Mount Light (1M)- 2nm

Part No: 70191

Masthead Steaming Light - 2nm

Part No: 70230
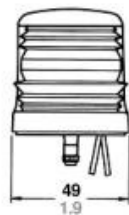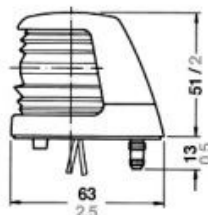
Bi-Colour Light - 1nm

Part No: 70240

Aquasignal Series 20 All Round White Plug in 42"

Part No: 70192

All Round White Anchor Pedestal Mount Light - 2nm

Part No: 70190

Dimensions in: mm / inch

SERIES 25 (12V)
[12M / 39FT Boat Length]

Masthead Light - 2nm	Stern Light - 1nm	Port Light - 1nm	Starboard Light - 1nm	Bi-Colour Light - 1nm
Part No: 70010	Part No: 70020	Part No: 70030	Part No: 70040	

Bi-Colour Light - 1nm

Part No:	Casing
70045	White
70050	Black

58 / 2.28
48 / 1.9

36 / 1.42
31
Ø4 / 0.16
Ø5,4 / 0.21
64 / 2.5
38 / 1.5
73 / 2.9
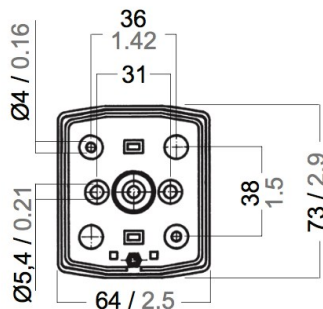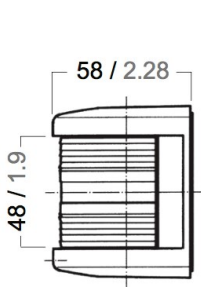
New Type

Spare Bulb 12V 10W: 70451

Spare Bulb 24V 10W: 70441

Series 25 Festoon Led Bulb 44mm

Part No: 70454

All Round Red Light - 2nm	All Round Green Light - 2nm	All Round White Light - 2nm
Part No: 70051	Part No: 70052	Part No: 70060

75 / 2.95
48 / 1.9
120°
38 / 1.5
4
62 / 2.4
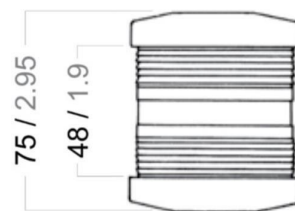
Dimensions in: mm / inch
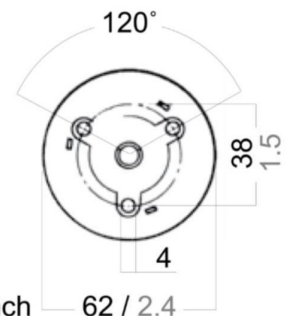
Combined Mast / Steaming Deck Light - 2nm

Part No: 70061

Old Type

Spare Bulb 12V 10W: 70450
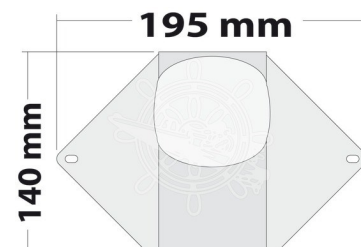
195 mm
140 mm

12/24V Masthead Deck LED Light

225° navigation LED light and deck LED light fitted with 4 x 1W HD LEDs. Techno polymer body with flexible wings that match any kind of mast. Suitable for boats up to 20m in length.

Part No	Description
96042	12/24V Masthead/Deck Light LED

178 / 7
62 / 2.44
4,5 / 0.16

Dimensions in: mm / inch

13 / 0.5
138,5 / 5.45
61 / 2.4

SERIES 40 (12V/24V)
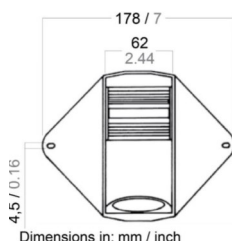
[20M / 65FT Boat Length]
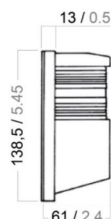
Masthead Light - 3nm	Stern Light - 2nm	Bi-Colour Light - 2nm	Port Light - 2nm	Starboard Light - 2nm
Part No: 70070 (12V)	Part No: 70080 (12V)	Part No:70090 (12V)	Part No:70100 (12V)	Part No: 70110 (12V)
Part No: 70465 (24V)	Part No: 70466 (24V)	Part No: 70467 (24V)	Part No: 70468 (24V)	Part No: 70469 (24V)
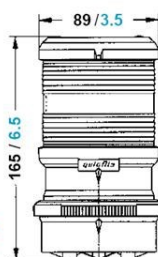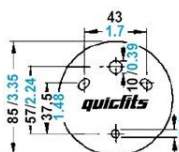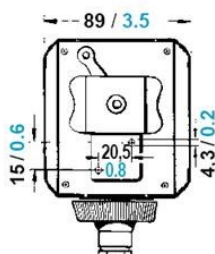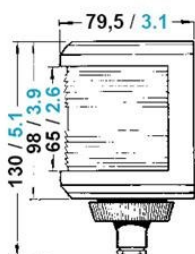
Tri-colour Standard Fit - 2nm	Tri-colour Quick Fit - 2nm
Part No: 70120 (12V)	Part No: 70170 (12V)
Part No:70470 (24V)	Part No: 70475 (24V)

All Round White Hoist Light - 2nm	All Round Red Hoist Light - 2nm
Part No: 70135 (12V)	Part No: 70136 (12V)

Spare Bulbs
12V 10W : 70400
24V 10W : 70410
12V 25W : 70380
24V 25W : 70390

All Round Green Hoist Light - 2nm
Part No: 70137 (12V)
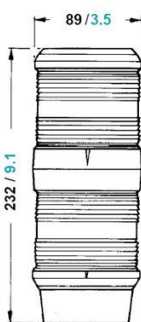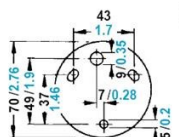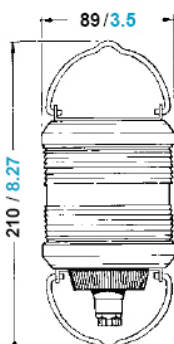
Tri-colour Anchor Standard Fit - 2nm	Tri-colour Anchor Quick Fit - 2nm
Part No: 70130 (12V)	Part No: 70180 (12V)
Part No: 70471 (24V)	Part No: 70476 (24V)

mm / inch

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SERIES 40 (12V/24V)

[20M / 65FT Boat Length]

All Round Red Light - 2nm

Part No: 70140 (12V)

Part No: 70472 (24V)

All Round Green Light - 2nm

Part No: 70150 (12V)

Part No: 70473 (24V)

All Round White Light - 2nm

Part No: 70160 (12V)

Part No: 70474 (24V)
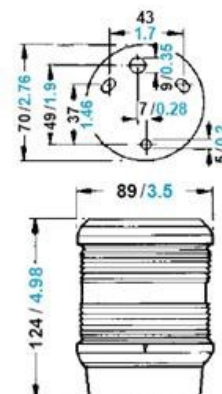
Series 40/41 LED Tricolour Bulb
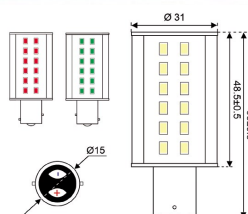
Part No
70455

Series 40/41 LED Bi-Colour Bulb
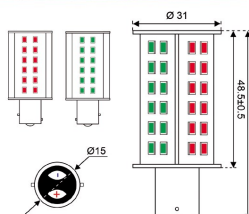
Part No
70456

Series 40/41 LED White Bulb
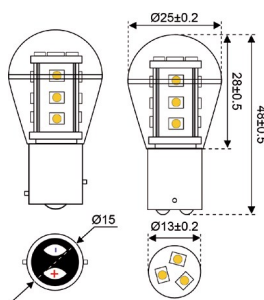
Part No
70459

Series 40/41 LED Starboard Bulb
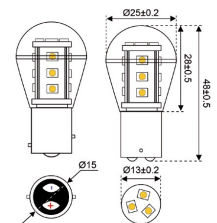
Part No
70457

Series 40/41 LED Port Bulb
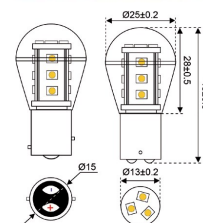
Part No
70458

Bulb Holder

Replacement lamp holder.

Part No: 70321 (12V/24V)

Bulb Holder

Corresponding locking nut.

Part No: 70320

Series 40 Pulpit Bracket

Part No: 70290

Series 40 Mast Bracket

Part No: 70300

SERIES 41 (12V)

[20M / 65FT Boat Length]

Masthead Light - 3nm	Stern Light - 2nm	Bi-Colour Light - 2nm	Starboard Light - 2nm	Port Light - 2nm
Part No: 70181 (12V)	Part No:70182 (12V)	Part No:70183 (12V)	Part No: 70184 (12V)	Part No:70185 (12V)

Series 41 Pulpit Bracket	Series 41 Mast Bracket	Series 41 Universal Deck Bracket
Part No: 70186	Part No: 70187	Part No: 70188
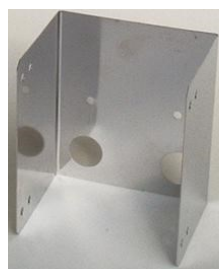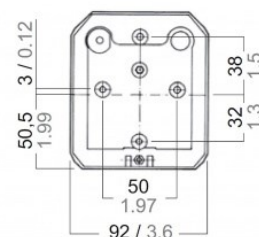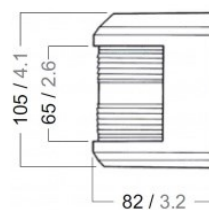
Dimensions in: mm / inch

Spare Bulbs
12V 10W : 70400
24V 10W : 70410
12V 25W : 70380
24V 25W : 70390

Series 40/41 LED Tricolour Bulb

Series 40/41 LED Bi-Colour Bulb

Series 40/41 LED White Bulb

Series 40/41 LED Starboard Bulb

Series 40/41 LED Port Bulb
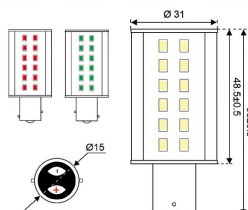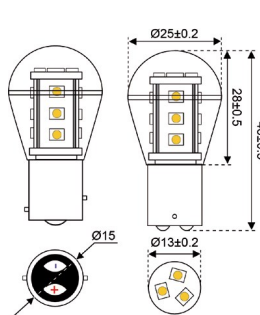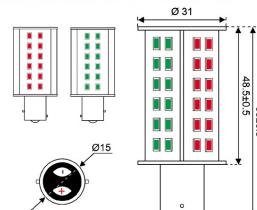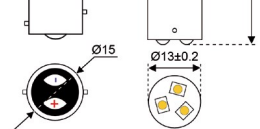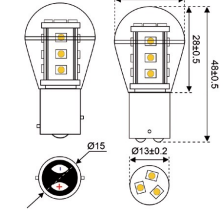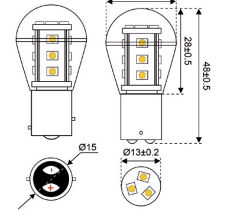
Part No	Part No	Part No	Part No	Part No
70455	70456	70459	70457	70458

SERIES 55 (12V/24V)

[20M - 50M Boat Length]

Starboard Light - 2nm	Port Light - 2nm	Masthead Light - 5nm	Stern Light - 2nm	Halyard Hook Bracket
Part No: 70251	Part No: 70252	Part No: 70253	Part No: 70254	Part No: 70259

All Round White Light - 2nm	All Round Red Light - 2nm	All Round Green Light - 2nm
Part No: 70255	Part No: 70256	Part No: 70257

201 / 7.9
116 / 4.6
16 / 0.63
9 / 0.35
152 / 5.98
120 / 4.7
152 / 5.98
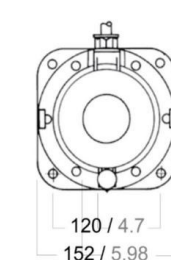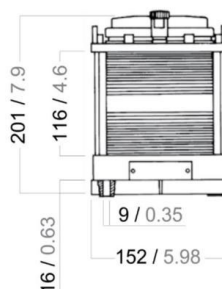
Dimensions in: mm / inch

SERIES 30 LED POLE

[20M / 65ft Boat Length]

Description - All-round white pole light pedestal
Pedestal Mt / Fold Down / Plug In
Ship size < 20 m / < 65 ft
Voltage 12 V
Wattage 1.5 W
Visibility 2 nm

Description	Part No
S30 LED All Round White Pedestal 4"	70333
S30 LED All Round White Fold Down 15"	70334
S30 LED All Round White Fold Down 27"	70335
S30 LED All Round White Plug In 43"	70336

Part No	Description
70480	S43 Nav Light & Deck Flood Combi Black
70481	S43 Nav Light & Deck Flood Combi White

LED navigation light and deck light combination.
The series 43 LED navigation lights with LED deck lights have a modern design and an optimized size for sport boats and yachts up to 20 m (65 ft.) in length. The navigation lights fulfil all requirements of the "International Regulations for Preventing Collision at Sea 1972 (COLREG)", published by the international Maritime Organization (IMO) and local rules.

SERIES 34 LED

[**50M / 164ft Boat Length**]

[**20M / 65ft Boat Length**]

Dimensions in: mm / inch

Backplate: polyamide

Port Light
Part No:70341

Starboard Light
Part No: 70342

Stern Light
Part No:70343
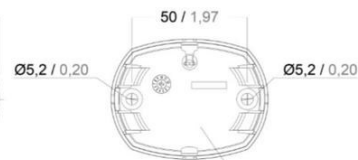
All Round White
Part No: 70344

All Round Red
Part No:70345

All Round Green
Part No: 70346

Bi-Colour
Part No:70347

Spare Quick Fit Base
Part No:70352

Position of holes for fixing
Dimensions in: mm / inch

Cable entry max Ø10

max Ø5
max Ø 0.2

Masthead
Part No:70348

Tricolour
Part No:70349
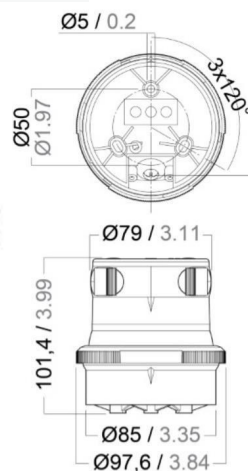
Position of holes for fixing
Dimensions in: mm / inch

Cable entry max Ø10
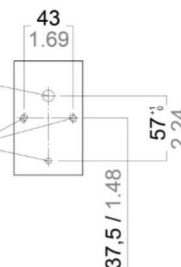
Max Ø5
Max Ø0.2

Masthead with Anchor Light
Part No:70350

Tri Colour with Anchor Light
Part No:70351
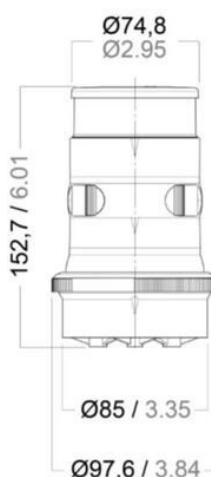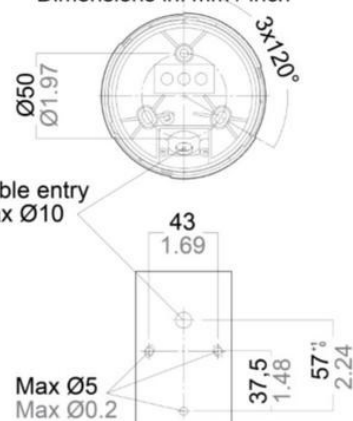
Discovery LED Stern Navigation Light

135°

12/24V

1W

Visibility 2 NM

COLREG72-certified for vessels up to 20-m long.

Part No: 96020
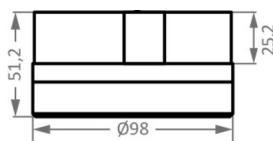
Discovery LED Bi-Colour Navigation Light

112.5° left + 112.5° right

12/24V

1W

Visibility 2 NM

COLREG72-certified for vessels up to 20-m long.

Part No: 96021
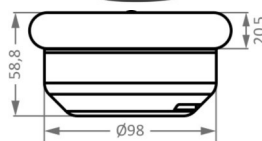
Discovery LED All Round White Navigation Light

360° mast head.
12/24 Volts.
1.8 Watts.
Visibility NM 2

COLREG72-certified for vessels up to 20-m long.

Part No: 96022
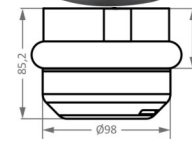
Discovery LED Tri-Colour + Anchor Navigation Light

360° mast head + three colours

12/24V

4.8W

Visibility 2 NM

COLREG72-certified for vessels up to 20-m long.

Part No: 96023

LED Lights [12M Boat Length]

RINA (No. ELE112414CS) type-tested for hulls up to 12m.

Part No	Description
96000	Compact LED Light Port
96001	Compact LED Light Starboard
96002	Compact LED Light Stern
96003	Replacement LED Bulb Port
96004	Replacement LED Bulb Starboard & Stern

360 Degree Mooring LED Light

12V

COLREG72- and ABYC-A16-certified for vessels < 20-m long. 100-mm overall height.
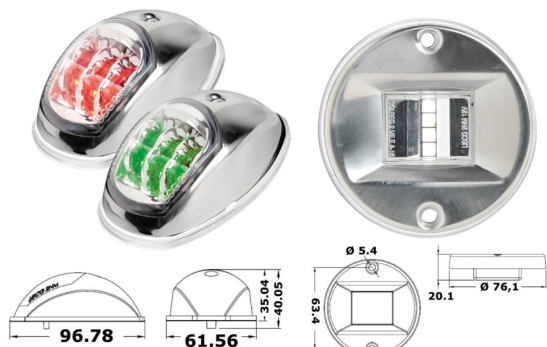
Part No: 96007

Port & Starboard SS LED Light

112.5° left + 112.5° right

12V

Part No: 96005

Stern SS LED Light

135° stern

12V

Part No: 96006
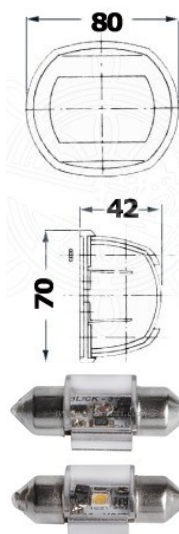
Port Light 360 degree LED SS

Pull-out angular version with stainless steel base and flat mounting

60CM long

12V

Part No: 96008

RINA and **NMMA USA** type-tested for vessels up to 12 m in compliance with COLREG '72. ELE 357413CS type-testing.

LED Lights [20M Boat Length]
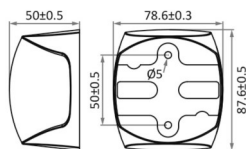
Sphera II LED Port Navigation Light

COLREG72-certified for vessels up to 20-m long. 100% watertight.

112.5° left

12V/24V

0.6W

Part No: 96009
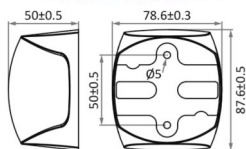
Sphera II LED Starboard Navigation Light

COLREG72-certified for vessels up to 20-m long. 100% watertight.

112.5° right

12V/24V

0.7W

Part No: 96010
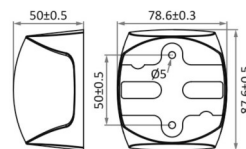
Sphera II LED Bow Navigation Light

COLREG72-certified for vessels up to 20-m long. 100% watertight.

Bow 225°

12V/24V

2W

Part No: 96011
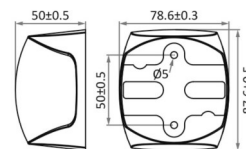
Sphera II LED Stern Navigation Light

COLREG72-certified for vessels up to 20-m long. 100% watertight.

Stern 135°

12V/24V

2W

Part No: 96012

Sphera II LED Bi Colour Navigation Light

COLREG72-certified for vessels up to 20-m long. 100% watertight.

112,5° + 112,5° bicolor

12V/24V

2W

Part No: 96013

Classic 360° Mast Head SS Led Light

Ø 64mm

Height 74mm

12/24 V - 1,7 W

Polycarbonate and AISI316 stainless steel light. For vessels < 20-m long.

Part No: 96403

Utility 85 SS/112.5° Red Port Halogen Navigation Light

Lights made of mirror-polished stainless steel. RINA type-approved in compliance with the COLREG72 regulations.

Part No: 96480
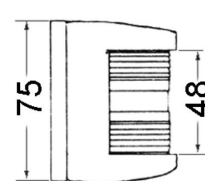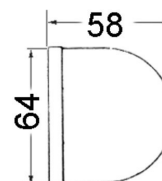
Utility 85 SS/112.5° Green Navigation Light

Lights made of mirror-polished stainless steel. RINA type-approved in compliance with the COLREG72 regulations.

Part No: 96481
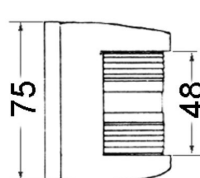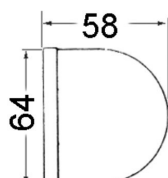
Utility 85 SS/White Stern Navigation Light

Lights made of mirror-polished stainless steel. RINA type-approved in compliance with the COLREG72 regulations.

Part No: 96482
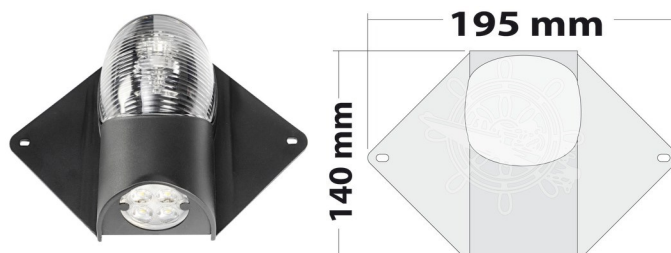
195 mm

140 mm

12/24V Masthead Deck LED Light

225° navigation LED light and deck LED light fitted with 4 x 1W HD LEDs. Techno polymer body with flexible wings that match any kind of mast. Suitable for boats up to 20m in length.

Part No	Description
96042	12/24V Masthead/Deck Light LED

Sealed beam spare light bulb. Available in 12 & 24V. Suitable for Aquasignal Hamburg or Kiel Lights.

Aquasignal Kiel Decklight

Black casing.

Part No	Description
70477	Kiel Decklight
70478	Kiel Light Bulb 12V 50W
70479	Kiel Light Bulb 24V 50W

Navisafe 360 Degree All Round White

The Navilight 360° 2NM – US Coast Guard approved for 2 nautical miles it is the most versatile light of Navisafes range of battery operated portable navigation lights and includes a 360° All-round light, 225° Masthead light, 135° Sternlight, Flashing light, Anchoring light and a Cabin light. It uses super bright LED light, is water proof, floats and attaches almost anywhere through its double magnetic mounting system .

Part No	Description
70355	Navisafe 360 Degree All Round White

Navisafe Tri Colour Light

The Navilight Tricolor 2NM – US Coast Guard approved for 2 nautical miles it includes a green light to be shown at the starboard side and a red light to be shown at the port side. In addition, it includes the white Sternlight, to be used at the stern. It is battery operated, uses super bright LED light, is water proof, floats and attaches almost anywhere through its double magnetic mounting system. The green as well as the red lights show an unbroken light over an arc of the horizon of 112,5 degrees. The white Sternlight shows an unbroken light over an arc of the horizon of 135 degrees. All lights work independently, in a combination of all three or red/green together

Part No	Description
70356	Navisafe Tri Colour Light

Designed to allow secure mounting of the Navi lights with magnetic base to the bow pulpit or stern rail.

Part No	Description
70357	Navisafe Clamp On Rail Mount

NAVISAFE

12V Roll Bar Flood Light

White ABS plastic.

Fitted with dual filament watertight sealed beam.

287 Lumens

60° LED beam angle

High beam light + extended lights 65 + 45W

Overall dimensions 180 x 110 x 125mm

Mounting Base 140 x 46mm

Part No	Description
96026	12V Roll Bar Light
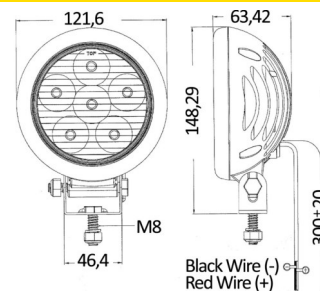
Adjustable A Frame Flood Light 9-33V (IP66)

They generate two concentric light beams: a narrow (10°) and very bright internal one (SPOT) and a wide (45°) but less bright external one (FLOOD). Aluminium body, polished stainless steel bracket, vacuum reflector.

13.8W Output.

650 Lumens.

5000-6500K.

7° Led beam angle.

6 x 3W HD LED.

122 x 63 x 115mm.

Part No	Description
96027	9-33V Adjustable A Frame Flood Light

Bremen Handheld Halogen Search Light

Watertight, portable searchlight with Morse capability. 12V 50W. On/ off switch, 3 metre cable (2 x 0.75mm²). Sealed beam is included.

Part No
70258

Bremen LED Handheld Search Light

Bremen LED Search Light IP68

A high-quality, watertight, hand-held search light with morse capability and on/off switch.
Comes LED bulbs suitable for 12v or 24v power supply. Housing: High quality, impact & shock resistant rubber. Non-corrosive. Non-magnetic Electrical: 3m pigtail cable included (2 x 0.75mm²)

Part No
70488

All Weather Submergible & Rechargeable LED Spotlight

Weatherproof LED Spotlight

700 Lumens - 500m beam

IP67 waterproof, floatable & submergible to 1m

Built in adjustable stand

Safety lock switch to prevent unwanted ON/OFF activation

Everlasting LED - no replacement bulbs needed

Lightweight 406g

Rechargeable self contained Li-ion battery

Duration 2.5 hours high 6 hours medium & 15 hours low beam

USB charging lead & wrist strap supplied

Part No
70500

30mm Width
Size 130mm Length
140mm extended

Handheld USB Rechargeable LED Torch

300m beam - 500 Lumens

High & low power mode

Duration 2.5 hours on high & 6 hours on low beam

Everlasting LED - no replacement bulbs needed

Rechargeable li-ion battery supplied

Fully adjustable from spot to flood

Made from high grade aluminium

USB charging lead supplied

Part No

70501

Focus2Go Headlight Rechargeable

580 Lumens - 150m beam

Multi battery option rechargeable battery supplied (B33)

Will run from AAA batteries for backup power (not supplied)

Red side light - Vertically adjustable

Slim compact design - just 95g

LED indicator shows battery capacity and charging status.

IP64 dust and water resistant

Duration 2.5 hours continuous on high

Direct plug to recharge by micro USB

Part No

70502

Super Cob Work Light

400 lumens

Work light & torch in 1

High & low beam including emergency flash mode.

Red emergency flash mode ideal for signalling

Strong magnetic base & belt clip

High grade aluminium body

Water & impact resistant

3 x AA batteries supplied

Part No

70503

WL8 Mini Portable Work/Flood Light Rechargeable

Portable & Rechargeable Work/Flood Light giving a brilliant surround light.
The super bright 10 watt work light can be easily directed where it is needed by rotating the 180° degree handle. It also has a magnetic base allowing hands free use. Ideal for working where there is no mains power or a great back up lighting during power cuts. Giving a lighting time of up to 4 hours per charge. It also has the added benefit of a power bank function to charge your phone or tablet whilst on the go.

Lumens: 700

Area of Illumination: 10 metre surround beam

Battery: Li-ion rechargeable

Charger: USB lead included

LED: 10w Cob LED

Duration: 2 hours on high - 4 hours on low

Charging time: 4 - 5 hours

Part No

70504

LED Lights

Ø11

2

20

Drawn from DWH Osculati SpA

Description	Part No
Apus White LED Light	96030
Apus Blue LED Light	96031
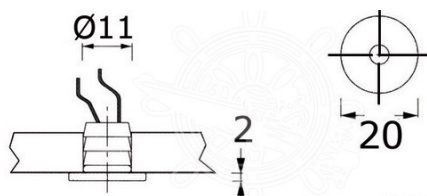
Chromed brass with clear polycarbonate diffuser. Pressure installation. IP65

12
24
25.4
38

Drawn from DWH Osculati SpA

Description	Part No
Alcor Red LED Light 12/24V	96029
Alcor White LED Light 12/24V	96409
Alcor Blue LED Light 12/24V	96033
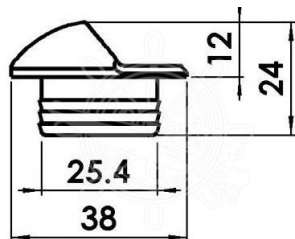
Machined stainless steel body. Snap mounting. IP67 AISI 316

7
19
25,4
38

Drawn from DWH Osculati SpA

Description	Part No
Tilly LED Light White	96034
Tilly LED Light Blue	96035
Tilly LED Light White 180 degree	96036
Tilly LED Light Blue 180 degree	96037
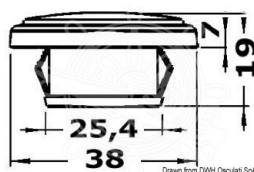
White plastic body, mirror-polished stainless steel front panel. Snap mounting. IP67

3
22
25
40

Drawn from DWH Osculati SpA

Description	Part No
Courtesy White LED Light	96038
Courtesy Blue LED Light	96039
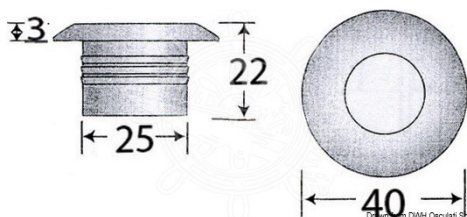
Precision cast mirror polished stainless steel. Polycarbonate diffuser. IP65 AISI 316

On/Off switch in centre of light.

65 mm
7,3 mm
86 mm
7,3 mm

Drawn from DWH Osculati SpA
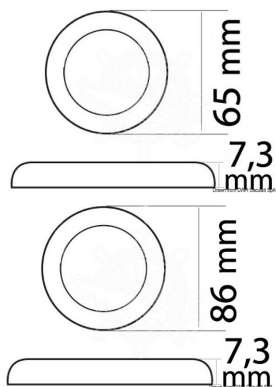
Description	Part No
Precision LED Ceiling Light 65mmØ	96040
Precision LED Ceiling Light 86mmØ	96045

Stainless steel body. Hidden screw mounting. It comes with 2 front diffusers giving 2 different degrees of transparency. IP45 AISI 304 Flush Mount

130
11

Drawn from DWH Osculati SpA

168 Lumens. K 3050-3800. LED Beam Angle 120°. No of LEDs 42 LED SMD. White Light.

Description	Part No
130 Ultra Flat Chromed LED Light 12/24V 3W	96025

Stainless Steel Domed Switched Light

Stainless steel switched lights with clear lens.

12v DC 15w

Lens dia. 127mm - 171mm O/D

Part No	Description
76410	127mm SS Switched Light

Traditional Dome Ceiling Light - Halogen

Dotted Glass Diffuser

Part No	Description
96046	Ceiling Light 140mm Dome
96047	Ceiling Light 175mm Dome
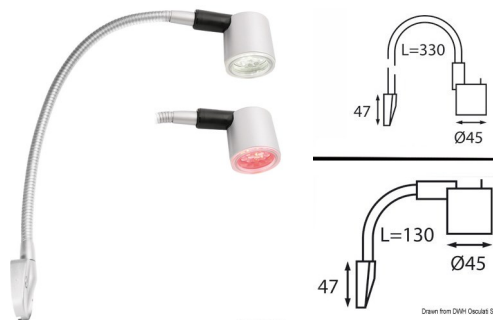
12V White + Red Flexible Chart Light

1.3W / Switched light

6 LED SMD

330mm Arm length

Part No	Description
96028	12V Flexible Chart Light
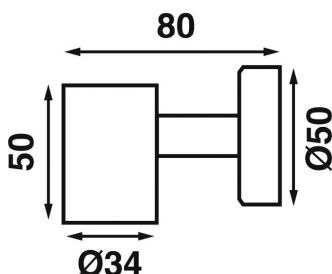
12V 0.6 Watt

60 Lumens

3000K

18 LEDS

USB port on side, ideal for powering devices especially if used as a berth light.

Part No	Description
96049	USB LED Spotlight Chrome
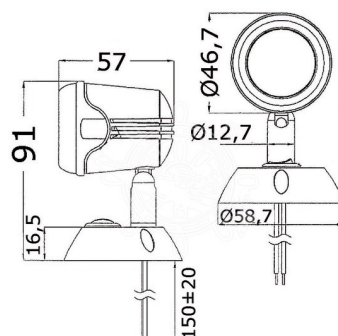
White plastic body LED spotlight.

Made of ABS with chromed brass articulation. Rotation 300° . Up/down 90°.

Part No	Description
96041	LED Spotlight Chrome

Brass & Chrome Berth Lights

Stylish interior lights of brass construction. 12v DC.
All come with a 75mm dia. shade and a 90mm dia. base.

Part No	Description
76074	Brass Berth Light 12V 10W
76076	Chromed Brass Berth Light 12V 10W

LED Light Bulb

High-power SMD LED version. Screw G4. 12V. 1.6W. 18W Equivalent. 150 Lumens. 3000K

10 x 38mm

Part No	Description
70361	12V G4 Light Bulb 360° 1.6W

Laguna articulated spotlight

Chromed brass.

Turned brass body, satin-finish glass diffuser.

12/24V

3 W

88 Lumens

3000K

LED beam angle 60°

White light

Part No	Description
96423	Laguna Articulated Spotlight

Flexible LED Strip Light

Warm White

3000K

2m long

The profile is sold in bars and consists of a base to be fixed to the wall and a translucent methacrylate covering. LED strips not exceeding 12-mm width can be placed inside. The bars can be aligned to get any length or cut to measure.

Part No	Description
96470	LED Strip 12V 10W
96471	LED Strip 12V 12W
96472	LED Strip 24V 10W
96473	LED Strip Light Diffuser 1M

LED SMD-HD high-efficiency light source. Flat base version, ideal for engine compartments, bathrooms, kitchens, under boom on sailing boats, etc.

Part No	Description
96051	Free Standing Led Light 230 X 24 X 11MM
96052	Free Standing Led Light 310 X 40 X11.5MM + Switch

Linear Overhead LED Light

14 LED SMD-HD high-efficiency light source. Light alloy base with polycarbonate opal lens. Round switches with built-in blue/red LED.

12V

5.2W

228 Lumens

3000K

120° LED beam angle

345x33x12 (H)

Part No	Description
96048	Overhead Strip Light

Turnstripe 8-LED track light, rotating version

High intensity LED light and built-in switch; anodized aluminium body, opaline front glass.

12/24V

1W

50Lumen

4000K

LED beam angle 120°

Length 260mm

Part No	Description
96414	Turnstripe 8 LED Track Light

New LED Range Page 183

Discovery
navigation lights
COLREG72-certified for vessels up to 20-m long

We are distributors of the Vetus range of marine equipment.

Please contact us if you would like an up to date Vetus Catalogue.

Up to date prices can be found once logged into our trade website.

Epifanes Multi Marine Primer
"All-in-one-primer"

A one-part multi purpose tie-coat or sanding and adhesion primer for above the waterline combining all characteristics of separate substrate primers in one.

Suitable Thinners:
Brush - Epifanes Brush Thinner
Spray - Epifanes Spray Thinner

Coverage: 8 -10m^2 / Litre

Substrates: Wood, fibreglass, steel, stainless steel, aluminium, galvanized metal, copper and most other bare or painted substrates.

Part No	Description
69310	Multi-Marine Primer White 750ml
69311	Multi-Marine Primer White 2 Litre
69312	Multi-Marine Primer Grey 750ml
69313	Multi-Marine Primer Grey 2 Litre
69314	Multi-Marine Primer Red brown 750ml
69315	Multi-Marine Primer Red brown 2 Litre

Epifanes Undercoat

A one-component primer and undercoat based on a urethane/alkyd resin. For use in a one-component paint system above the waterline. Suitable for interior and exterior use. Recoatable with all Epifanes one-component products.

Suitable Thinners:
Brush - Epifanes Brushthinner
Spray - Epifanes Spraythinner

Coverage: 8 -10m^2 / Litre

Substrates: Fibreglass/ GRP, wood , steel & aluminium

Part No	Description
69320	Undercoat White 750ml
69321	Undercoat White 2 Litre
69322	Undercoat Grey 750ml
69323	Undercoat Grey 2 Litre

Epifanes Woodprimer

A traditional one-component primer based on alkyd resins. For use on bare wood, with good filling, building and covering properties. The appropriate primer for wood in one-component paint systems above the waterline. Recoatable with all Epifanes one-component paints.
Application
Wood: bonding primer on bare wood in a one-component paint system above the waterline.

Suitable Thinners:
Brush - Epifanes Brush Thinner
Spray - Epifanes Spray Thinner

Coverage: 8 -10m^2 / Litre

Substrates: Wood

Part No	Description
69325	Woodprimer White 750ml
69326	Woodprimer White 2 Litre
69327	Woodprimer Grey 750ml
69328	Woodprimer Grey 2 Litre

Epifanes Washprimer AQ

A water-based adhesion primer. For interior and exterior use above and below the waterline. Can be overcoated with all Epifanes one-and two-component products. Apply one thin coat. Avoid curtains. May be used on degreased and sanded existing aluminium prior to coating with Epifanes Multi Marine Primer.
Coverage: 16m^2 / Litre

Thinner: Do not thin. Cleaning tools: water
Recoatability: After 2 hours at 65°F./18°C

Colour: Off white, dries fully transparent

Substrates: Aluminium, zinc coated and galvanized steel surfaces, non-ferrous metals, glass and ceramics.

Part No	Description
69316	Washprimer AQ 500ml
69317	Washprimer AQ 1 Litre

Epifanes HB Coat

High Build Epoxy Primer

Two component high-build epoxy coating based on epoxy resins, used for the maintenance and protection of de-rusted steel, aluminium, wood and properly cleaned and degreased fibreglass.

Suitable Thinners: Epoxythinner D-601

Coverage: 9m^2 / Litre

Substrates: Fibreglass/GRP, steel, plywood, aluminium.

Part No	Description
69338	High Build Epoxy Light Grey Primer 750ml

Epifanes Polyurethane Primer

A hard two-part semi gloss poly-urethane undercoat. Provides an extremely smooth, pinhole-free surface prior to topcoating with Epifanes high gloss polyurethane. Good flowing properties, very quick drying, medium filling and easy sanding.

Suitable Thinners:
Brush - Epifanes Polyurethane Brush Thinner
Spray - Epifanes Polyurethane Spray Thinner

Coverage: $9m^2$/ Litre

Substrates: Fibreglass

Part No	Description
69339	Polyurethane White Primer 750ml

Epifanes Nautiforte Yacht Paint

A high gloss one-component finish based on siliconized alkyd resins. This finish provides outstanding weather durability, long lasting gloss retention, rapid wet film drying, minimal dirt retention and is non-yellowing.

Suitable Thinners:
Brush - Epifanes Brush Thinner
Spray - Epifanes Spray Thinner

Coverage: $14m^2$ / Litre

Substrates: Fibreglass, steel, wood & aluminium:

Part No	Description
69300	Nautiforte White 750ml
69301	Nautiforte White 2 Litre
69302	Nautiforte 24 Light Oyster 750ml
69303	Nautiforte 25 Alpine White 750ml

Epifanes Yacht Enamel

A high gloss, one-component, alkyd-based, traditional marine finish. This enamel has very good flowing and covering properties and provides long lasting gloss retention and excellent weather durability.

Suitable Thinners:
Brush - Epifanes Brushthinner
Spray - Epifanes Spraythinner

Coverage: 1 Litre = $15m^2$

Substrates: Fibreglass/GRP, steel, wood and aluminium.

750ml	Colour	750ml	Colour	750ml	Colour	750ml	Colour
69250	White	69263	16 Bright Red	69275	31 Turkish Blue	69287	210 Antique Ivory
69251	White (2 Litre)	69264	18 Light Grey	69276	33 Light Brown	69288	212 Grey
69252	1 Cream	69265	19 Black	69277	34 Chocolate Brown	69289	213 French Grey
69253	2 Beige	69266	21 Orange	69278	35 Red Brown	69290	214 Dark Grey
69254	3 Wheat	69267	23 Deep Red	69279	37 Yellow	69291	215 Sky Blue
69255	4 Dark Buff	69268	24 Light Oyster	69280	40 Off White	69292	216 Pearl Grey
69256	6 Tropic Green	69269	25 Alpine White	69281	48 Light Green	69293	217 Light Blue
69257	7 Bright Blue	69270	26 Buff	69282	62 Atlantic Green	69294	218 Jade Grey
69258	8 Dark Blue	69271	27 Grey Mist	69283	65 Deep Green	69295	24 Light Oyster (2 Litre)
69259	9 Sea Green	69272	28 Water Blue	69284	72 Dark Green		
69260	11 Dado Brown	69273	29 Ocean Blue	69285	205 Deep Blue		
69262	14 Mahogany	69274	30 Teal Green	69286	206 Blue Grey		

Epifanes Mono-urethane Yacht Paint

A hard, one-component, air-drying, high gloss finish paint based on urethane/alkyd resins. Provides superior covering and filling, long lasting weather durability and high gloss retention. Offers rapid initial curing.

Suitable Thinners:
Brush - Epifanes Brushthinner
Spray - Epifanes Spraythinner

Coverage: 1 Litre = 15m^2

Substrates: Fibreglass/GRP, steel, wood & aluminium.

750ml	Colour	750ml	Colour
69220	White	69232	3165 Deep Green
69221	3101 Cream	69233	3168 Green
69222	3107 Bright Blue	69234	3172 Dark Green
69223	3108 Dark Blue	69235	3201 Whale Grey
69224	3116 Bright Red	69236	3210 Dark Blue
69225	3119 Black	69237	3212 Grey
69226	3124 Light Oyster	69238	3221 Mouse Grey
69227	3125 Alpine White	69239	3233 Burgundy
69228	3126 Buff	69240	3242 Dark Beige
69229	3129 Deep Blue	69241	3243 Medium Beige
69230	3137 Bold Yellow	69242	3248 Off White
69231	3140 Matterhorn White	69243	3253 Light Beige

Epifanes Polyurethane Yacht Coating

A high gloss, two-component, polyester saturated, aliphatic urethane coating. Scratch resistant, excellent outdoor durability and weather resistance. The finish provides a perfect flow and easy application by brush, roller or spray.

Suitable Thinners:
Brush - Epifanes Polyurethane Brush Thinner
Spray - Epifanes Polyurethane Spray Thinner

Coverage: 10m^2/ Litre

Substrates: Fibreglass/GRP, steel, wood & aluminium.

Part No	Description
69340	Polyurethane 800 White 750ml

Epifanes PP Varnish Extra UV

A professional, quick drying, high gloss build up varnish for all types of wood, based on alkyd resin and isocyanate. Recommended sealer for oily wood such as teak and iroco. Resistant to water, alcohol and various household chemicals. Excellent flow and abrasion resistance, superior grain filling and rapid build up. Offers sufficient flexibility for application on working wood (masts). The varnish contains a high quality UV filter, however for exterior use it is advised to overcoat with 2-3 coats Epifanes Polyurethane clear gloss or Epifanes clear gloss varnish for extra UV protection.

Suitable Thinners:
Brush - Epifanes Thinner for PP Varnish Extra or Epifanes PU Brushthinner
Spray - Epifanes Thinner for PP Varnish Extra

Coverage: 1 Litre = 14m^2

Substrates: Wood

Part No	Description
69180	Epifanes PP Varnish Extra 10 Litres
69181	Epifanes PP Varnish Extra 2 Litres

Epifanes Clear Varnish UV

A clear, high gloss, traditional yacht varnish based on tung oil, phenol and alkyd resin. Unique flow characteristics, high build capacity and excellent outdoor durability. Contains an extra UV filter protecting the wood against discolouration. Its flexibility prevents cracking on working wood. This varnish is famous for its high gloss retention and long lasting properties, even in tropical climates.

Suitable Thinners:
Brush - Epifanes Brushthinner
Spray - Epifanes Spraythinner

Coverage: 1 Litre = 14m^2

Substrates Wood.

Part No	Description
69198	Epifanes High Gloss Clear Varnish 250ml
69199	Epifanes High Gloss Clear Varnish 500ml
69200	Epifanes High Gloss Clear Varnish 1 Litre

Epifanes Rubbed Effect Varnish

A quick drying, clear interior satin finish, based on urethane/alkyd resin. The interior finish gives superior protection against alcohol and other aggressive household chemicals. Apply as a finish coat over several build-up coats of Epifanes clear gloss varnish or woodfinish gloss.

Suitable Thinners:
Brush - Epifanes Brushthinner
Spray - Epifanes Spraythinner

Coverage: 1 Litre = 13m^2

Substrates: Wood

Part No	Description
69192	Epifanes Rubbed Effect Varnish 500ml
69193	Epifanes Rubbed Effect Varnish 1 Litre

Epifanes Woodfinish Matte UV

A clear, satin finish, based on urethane/alkyd resin and tung oil. Provides a beautiful, rich, matte finish for all fine woodworks, like teak and iroco, giving years of protection against alcohol and other aggressive household chemicals,

Suitable Thinners:
Brush - Epifanes Brushthinner
Spray - Epifanes Spraythinner

Coverage: 1 Litre = 12m^2

Substrates Wood.

Part No	Description
69196	Woodfinish Gloss Matte 1 Litre

Epifanes Woodfinish Gloss UV

A clear, high gloss varnish-like finish, based on alkyd and phenolic resins. Excellent adhesion to degreased and sanded new teak and other exotic woods. For use where a glossy, varnished look is desired. Its microscopic porosity allows the wood to breathe. The UV filter protects the wood against discoloration. Water and weather resistant and excellent outdoor durability. Sanding between coats is not required if the next coat is applied within 72 hours.

Suitable Thinners:
Brush - Epifanes Brushthinner
Spray - Epifanes Spraythinner

Coverage: 1 Litre = 12m^2

Substrates Wood.

Part No	Description
69197	Woodfinish Gloss 1 Litre

Epifanes Rapidclear Semigloss/Matt Varnish

A UV semi-gloss or matte wood finish based on modified alkyd/ urethane resins. The answer for a quick and easy alternative to conventional varnish. For long term protection and enhancement of all interior and exterior marine and household woods above the waterline. It bonds extremely well to teak and other oily woods, preventing discoloration and emphasizes the natural grain of the wood. Quick drying, excellent breathing properties, flexibility, maximum durability and longevity.

Suitable Thinners:
Brush - Epifanes Brushthinner
Spray - Epifanes Spraythinner

Coverage: 750ml = 10m^2

Substrates Wood.

Part No	Description
69189	Rapidclear Matt 750ml
69190	Rapidclear Semigloss750ml

Epifanes Polyurethane Clear Gloss UV

A high gloss, two-component polyester saturated, aliphatic urethane finish with excellent outdoor durability. Resistant to weathering, chemicals, scratching and loss of gloss. Outstanding flow characteristics for both brush and spray applications. The UV filter protects the wood from discoloration. Mixing ratio by weight 2 parts component A to 1 part component B. Allow to activate for 10-15mins before use.

Suitable Thinners:
Brush - Epifanes Polyurethane Brushthinner
Spray - Epifanes Polyurethane Spraythinner

Coverage: 750ml = 10m^2

Substrates Wood.

Part No	Description
69191	Polyurethane Clear Gloss 750ml

Epifanes Teak Oil Sealer

A traditional impregnating oil, based on linseed oil and alkyd resin. Protects teakwood from discoloration caused by weather or pollutants. Ideal for the maintenance of teak decks. May be applied wet on wet. Degrease wood with Epifanes spraythinner for paint & varnish or denatured alcohol and allow to evaporate. Apply with a wide brush, polybrush or lint free cloth until surface is saturated. Remove excess material.

Attention: due to the possible risk of self ignition , after use always keep cloths soaked in water.

Suitable Thinners: Do not thin.

Coverage: 1 Litre = 7m^2

Substrates Teak Wood.

Part No	Description
69195	Teak Oil Sealer 1 Litre

Epifanes Classic Mahogany Stain

Epifanes Classic Mahogany Stain is a quick drying, impregnating stain formulated specifically for bare mahogany and other marine woods. This stain provides a warm, rich, red/brown mahogany colour. Depending on desired degree of intensity, a maximum of 3 coats may be applied on bare wood. Recoatable with all Epifanes one component and two-component varnishes.

Suitable Thinners: Do not thin.

Coverage: 4-7m² depending on surface

Substrates: Wood

Part No	Description
69182	Mahogany Stain 500ml

Epifanes Brush thinner for Paint & Varnish

A high quality thinner for brushing or rolling most one-component primers, paints and varnishes. The double distillation of this thinner provides maximum purity.

Part No	Description
69205	Brush Thinner Single Pack 500ml
69206	Brush Thinner Single Pack 1 Litre

Epifanes Spray thinner for Paint & Varnish

Thinner for spray applications of one-component primers, paints and varnishes. Also highly suited for degreasing wood and existing paint and varnish layers.

Part No	Description
69207	Spray Thinner Single Pack 1 Litre

Epifanes Poly-urethane Brush thinner

A slow evaporating thinner for brushing and rolling Epifanes Poly-urethane Yacht coatings.

Part No	Description
69208	Polyurethane Brushthinner 500ml
69209	Polyurethane Brushthinner 1 Litre

Epifanes Poly-urethane Spray thinner

Fast evaporating thinner for spray applications of Epifanes Polyurethane Yacht coatings.

Part No	Description
69210	Polyurethane Spraythinner 500ml
69211	Polyurethane Spraythinner 1 Litre

Epifanes Thinner for PP Varnish Extra

Fast evaporating thinner for Epifanes PP Varnish Extra. Also suited for degreasing teak wood.

Part No	Description
69212	PP Varnish Extra Thinners 1 Litre

Epifanes Accelerator for Paint & Varnish

A resin based additive for use in traditional one-component, half-synthetic paints and varnishes to speed up the curing process. For interior use, e.g., on chairs, tables, etc., this product can be added up to 50% to Epifanes Clear Gloss Varnish for a harder, more scratch-resistant finish. Do not use with Epifanes Mono-urethane and Epifanes Nautiforte.

Part No	Description
69213	Epifanes Accelerator 500ml
69214	Epifanes Accelerator 1 Litre

Acrylic Spray Paint

Acrylic spray paints for AIFO/FPT inboard engines.

Part No	Description
91765	400ml Acrylic Spray Paint Red
91766	400ml Acrylic Spray Paint Grey
91767	400ml Acrylic Spray Paint Black

30cm Mixing Stick

S-shaped polypropylene paint stirrer. The s-shape make the mixing stick sturdier. Corrosion-resistant to both paint and thinner.

Part No	Size
67941	30cm

Mirka Mixing Cups- Sold Individually

Calibrated mixing cups for paint and epoxy products.

Part No	Size
67951	400ml cup
67950	650ml cup
67955	1300ml cup
67960	2300ml cup
67962	6ltr Cup

Primer Undercoat - Single Part Primer

A single component primer for all substrates (including steel) above the waterline and an undercoat for Brilliant Gloss/ Multicoat/Non Slip Deck Coating. A quick-drying, high-opacity primer and undercoat, that gives excellent durability and surface stability ready for overcoating with single component topcoats.

Suitable Thinners: No. 1 (811)

Coverage: $12m^2$ / L

Colour	750ml	2.5L
Mid Grey	65955	65960
White	66025	66030

Light Primer - Two Part Epoxy Primer

A two component high performance epoxy primer and undercoat for use both above and below the waterline. Use on glass fibre, wood, steel and aluminium. Superb corrosion, impact and water resistance. Use before Ocean Gloss/ Brilliant Gloss topcoat for a long lasting solution. Can also be used for osmosis protection when application is required at low temperatures.

Suitable Thinners: No. 5 (845)

Coverage: $8.2m^2$ / L

Colour	375ml	750ml	2.25L
Off-white	66568	66566	66567
Grey	-	66570	66575

Prop Primer

Aerosol Primer for propellers and outdrives.

Coverage: $3.5m^2$/L

Colour	500ml
Prop Primer Stone Grey	65474

Underwater Primer - Antifouling Primer

Use as part of a single component system below the waterline, including keels; and as a tiecoat before antifouling. Can be applied directly onto the hull or primed surface, and between an existing antifouling and a new antifouling. Fast-drying with excellent waterproofing. For use on all substrates.

Suitable Thinners: No. 1 (811) Brush

Coverage: $7.8m^2$ / L

Colour	750ml	2.5L
Grey	66322	66323

Hempel's Sealer 599

A two component epoxy-polyamide with low viscosity and good penetration ability. For saturation of glass fibre laminate, when gel coat has been removed (repair of osmosis damage). For priming of ferro-cement boats and boats made of wood that can absorb the sealer.

Suitable Thinners: No 5 (845)

Coverage: $10m^2$ / L

750ml
66452

High Protect II

High build, solvent free epoxy coating for the treatment of, and protection against, osmosis. Available in two shades for overcoating accuracy.

Suitable Thinners: No. 5 (845)

Coverage: $6.6m^2$ / L

Colour	750ml	2.5L
Grey	66540	66545
Cream	66550	66555

Hempel Mille NCT (DIY)

This antifoul is the new replacement for Hempel Ocean Performer. Mille NCT is a high performance self-polishing antifouling based on Hempel's patented binder technology, where the self-polishing is controlled by sea waters interaction with the binder. The powerful bioactive mixture and self-renewing effect results in a sustained antifouling protection. So it is ideal for areas with high fouling. Suitable for use on all substrates except aluminium.

Suitable thinners: Thinners No. 3
Coverage: $13m^2$ / L

Colour	2.5 Litre
White	67410
Grey	67412
Black	67414
True Blue	67416
Souvenirs	67418
Red	67420

Mille NCT **Professional Use Only**

Mille NCT is a high performance self-polishing antifouling based on Hempel's patented binder technology where the self-polishing is controlled by sea waters interaction with the binder. The powerful bioactive mixture and self-renewing effect results in a sustained antifouling protection. Mille NCT is compatible with virtually all other antifouling systems. Excellent colour retention. Mille NCT is ideal for all type of boats providing an excellent performance for a whole season.

Suitable for boats made of glass fibre, wood, plywood, steel, aluminium, light-alloy metal and Ferro cement.

Suitable thinners: Thinners No. 3
Coverage: $12.3m^2$ / L

Colour	5 Litre
White	67391
Black	67393
Dark Blue	67395
Red	67404

Hard Racing

Hard, high strength antifouling which gives a smooth racing finish, offering all round competitive performance. Formulated especially for power boats, racing yachts and vessels which are mud berthed. It may also be used on vessels that are dry sailed. Suitable for all substrates except aluminium.
Maximum launch time 3 months.
HSE: 7385, HSE (white) 6969
Suitable thinners: Thinners No. 3
Coverage: $13.5m^2$ / L

Colour	2.5 Litre
White	65010
Red	65025
Black	65040
Dark Blue	65045
True Blue	65085
Grey	65086

Hard Racing TEC CEL **Professional Use Only**

Hempel's Hard Racing TecCel is a high performance hard matrix antifouling, providing exceptional protection all season. Includes TecCel to reduce friction to increase speed.
As an antifouling for boats of glass fibre, wood, plywood and steel. Do not use on aluminium or other light-alloy metals. Risk of corrosion in case of direct contact. For cold and temperate waters.
Part of European Yacht assortment.
For Professional use only.

Suitable thinners: Thinners No. 3
Coverage: $12.3m^2$ / L

Colour	5L
White	67387
True Blue	67388
Dark Blue	67389
Black	67390

Hard Racing Boottop

Strong scrubable antifouling for boottops which gives bright colours on the waterline. It is suitable for all substrates, including aluminium, once suitably primed. Maximum launch time 3 months. HSE: 8636

Suitable thinners: Thinners No. 3
Coverage: 13.8m^2 / L

Colour	375ml
Black	67370
Dark Blue	67372
Red	67373
White	67374

Tiger Xtra

Self polishing, erodible antifouling. Suitable for both power and sail boats and just 1 coat can last the season. Applying a second coat for year round protection gives excellent and consistent long term performance, under all conditions. It is suitable for use on all substrates except aluminium. Maximum launch time 3 months. HSE:7514 HSE: (white) 7505

Suitable Thinners: Thinners No.3
Coverage: 13.5m^2 / L

Colour	2.5L	5L
Grey	65416	
Souvenirs	65418	
True Blue	65420	65413
Black	65422	65414
Red	65424	65412
White	65426	
Dark Blue	65427	
Green	65428	

Cruising Performer

Self polishing, erodible antifouling with the very latest eroding technology which reduces the build up of paint, maximizing cruising capability in all areas, whilst ensuring fouling is kept to a minimum. An excellent coverage rate and colour stability ensures cruising Performer offers you the very best in value. Suitable for use on all substrates except aluminium. Maximum launch time 3 months. Suitable thinners: Thinners No. 3 Coverage: 12.5m^2 / L

Colour	2.5L
Souvenirs	65435
True Blue	65437
Black	65439
Red	65441

Ecopower Prop Aerosol

Biocide free spray paint that keeps propellers, outdrives and sterngear free from fouling and making it very easy to clean.

An advanced binder technology controls the self-renewing effect throughout the season.

Coverage: 1.3m^2 / L

500ml	Colour
65474	Prop Primer Stone Grey
65475	Ecopower Penta Grey
65480	Ecopower Black

Broads

Medium strength copper based antifouling specifically designed to reduce paint build up and give a good performance on fresh, salt and brackish waters. It is suitable for all substrates except aluminium. The maximum launch time is 1 month. HSE:7345
Suitable thinners: Thinners No. 3
Coverage: 12.8m^2 / L

Colour	2.5ltr
True Blue	65508
Green	65509
Red/Brown	65511
Black	65513

Globic 6000 Rusty Red

A high solids chemically hydrolysing SPC antifouling based on Nano Acrylate Technology. Globic 6000 offers low friction, self-smoothing, and a best-in class instant activation of polishing and performance for optimal performance from day one. The patented microfibres give Globic 6000 a best-in-class mechanical strength to avoid cracking and peeling. For both new builds and maintenance of underwater hull and boottop for up to a 60 months drydocking interval.

Suitable thinners: Thinners No. 08080
Coverage: $5.8m^2$ / L

Colour	20L
Rusty Red	67398

Classic Antifouling - 76110

Hempel's Antifouling Classic 76110 is an antifouling of the "soluble matrix" type.

Use as an antifouling from keel to light load line on ships trading mainly in cold and temperate waters with short idle periods.

Suitable thinners: Thinners No. 08080
Coverage: $11.2m^2$ / L

Colour	5L	20L
Rusty Red	67399	67400

Olympic Antifouling

Olympic 86951 is a high solid, tin-free, self-polishing antifouling. Polishing is based on an ion exchange, resulting in a hydrolysable activated layer. An inorganic fibre content ensures polishing control and mechanical strength.

Use as an economical antifouling for bottom and boottop on deep-sea operating vessels operating at medium to high speed and high activity with short idle periods, and with dry-docking interval of up to 36 months.

Suitable thinners: Thinners No. 08080
Coverage: $11.2m^2$ / L

Colour + Size	Part no
Rusty Red 20 Litre	67396

Silic One Tiecoat

Silic One Tiecoat is a high solid silicone based tiecoat for Silic One 77450. Also use as a touch-up and repair of damaged areas. Ensures adhesion between Light Primer 45551 and Silic One.

Suitable Thinners: No. 3

(cleaner for tools only)

Coverage: 10m2 / L

Shelf Life: 1 year depending on storage conditions.

Pot life: 1 hour after opening the can

Part No	Description
65445	Silic One Tiecoat 750ml

Silic One (silicone based antifoul)

Hempel's Silic One is a biocide free, high solid, fouling release coating. Based on silicone, a hydro gel micro layer provides a smooth, low friction surface which prevents organisms attaching to the hull and propellers. Service life of Silic One on the hull is 2 years.

Suitable Thinners: No. 3

(cleaner for tools only)

Coverage: 6m2 / L

Shelf Life: 1 year depending on storage conditions.

Pot life: 1 hour after opening the can

Part No	Description
65447	Hempel's Silic One Red 750ml
65449	Hempel's Silic One Black 750ml

Silic One Propeller Kit - 750ml

Self cleaning even at low speed, can be applied on top of old antifouling if in good condition.

Silic One Propeller Kit contains the following products: Silic One 77450, Silic One Tiecoat 27450

Part No
65450

Brilliant Gloss

Brilliant Gloss is a high gloss alkyd topcoat with excellent colour retention. Flexible and resistant to salt water and pollutants. Easy application ensures an exceptional finish. For exterior and interior use above the waterline.

Suitable Thinners: No. 1
Coverage: 11m^2 / L

Colour	750ml	Colour	750ml
Matterhorn White	67256	Cream	67276
Town Grey	67258	Britannia Blue	67278
Pure White 375ml	67260	Souvenirs Blue	67280
Pure White 750ml	67262	Cobalt Blue	67282
Pure White 2.5ltr	67264	Flag Blue	67284
Off White	67266	Ice Blue	67286
Polar White	67268	Marine Green	67288
Pale Grey	67270	Survival Orange	67290
Smoke Grey	67272	Bordeaux Red	67292
Black	67274	Radiant Red	67294

MultiCoat

A single component semi-gloss topcoat and primer. Ideal for all areas above the waterline requiring a semi-gloss durable topcoat. Can be applied directly to most surfaces. Provides excellent durability with good resistance to water and oil. Can also be used as a complete coating system on new or bare wood: 1st coat thinned 20%, 2nd Coat thinned 5-10%, further coats undiluted. Add Anti-Slip granules for a non-slip finish.
Suitable Thinners: No. 1
Coverage: 12m^2 / L

Colour	750ml	2.5ltr	Colour	750ml
White	66084	66085	Pale Cream	66092
Mid Grey	66086	-	Navy Blue	66093
Light Grey	66088	-	Light Blue	66097
Black	66090	66091	Pillarbox Red	66102

Anti-Slip Pearls 50g Sachet

Anti-Slip Pearls can be added to all types of paint where a non-slip surface is required. Mix with Hempel's topcoats and varnishes to obtain non-slip finishes on decks and surfaces where required.

66250

Polygloss

Polygloss 55530 is a high-gloss, two-component polyurethane enamel especially suited for application by brush. It has excellent gloss and colour retention. Resistant to water, wear and marine atmosphere.

Suitable Thinners: No. 2
Coverage: 11m^2 / L

Colour	750ml
Cobalt Blue	66705
Survival Orange	66831
Off White	66830
Pure White	66835
Black	66850

Non-Slip Deck Coating

Durable coating for deck areas. Contains fine granules for a non slip finish (product contains Antislip Pearls). Easy to apply straight onto substrate.

Suitable Thinners: No. 3
Coverage: 11m^2 / L

Colour	750ml
White	67300
Mid Grey	67302
Light Grey	67304
Pale Cream	67306
Navy Blue	67308

Bilge & Locker Paint

A single component high opacity satin topcoat providing excellent durability with good water and oil resistance for bilges and lockers. Not suitable for permanent immersion.

Suitable Thinners: No. 1
Coverage: 12m^2 / L

Colour	750ml	2.5L
White	66265	66268
Mid Grey	66270	66275
Light Grey	66280	66285

Classic Varnish

A single component traditional varnish produced from the highest quality materials, including tung oil. Use inside and outside above the waterline. Excellent flow at application, a flexible finish and long term UV filters ensure an uncompromising finish that will last for a long time.

Suitable Thinners: Thinners No. 1
Coverage: 18m^2 / L

750ml	2.5L
66538	66539

Favourite Varnish

A single component alkyd based, full bodied, high gloss varnish. For use above the waterline, both inside and outside. Especially easy to use, giving a tough, durable, long lasting finish, with depth of gloss. Ideal for areas where structural flexibility of the wood is needed.

Suitable Thinners: Thinners No. 1 Coverage: 16m^2 / L

750ml	2.5L
66489	66494

Diamond Varnish

A two component polyurethane varnish. Use inside and outside above the waterline. Use where a hard, extremely durable and long lasting finish is required. Highly resistant to abrasion and chemicals, for the ultimate finish in durability and beauty. For professional use only.

Suitable Thinners: No. 2(Brush), No. 6 (Spray)
Coverage: 12.m^2 / L

750ml
66521

Dura-Gloss Varnish

A single component, urethane modified alkyd with excellent resistance to alcohol and cleaning materials. For inside and outside areas above the waterline requiring a beautiful durable finish.
Quick drying to an extremely hard and durable high gloss surface, highly resistant to wear and abrasion within hours of application.

Suitable Thinners: Thinners No. 1
Coverage: 17m^2 / L

750ml
66511

Dura-Satin Varnish

A single component, urethane modified alkyd with excellent resistance to alcohol and cleaning materials. For inside and outside areas above the waterline requiring a beautiful durable finish. Quick drying to an extremely hard and durable high satin surface, highly resistant to wear and abrasion within hours of application.

Suitable Thinners: Thinners No. 1
Coverage: 17m^2 / L

750ml
66536

Teak Oil - 750ml

Unpigmented teak oil with good penetration to protect wood and make it easier to clean. Helps wood resist both water and dirt, and underlines its original structure. Use to overcoat Teak Colour Restorer on areas of high usage. Not suitable for use on painted or varnished surfaces.

Part No
66373

Teak Cleaner - 750ml

A powder for cleaning all teak areas. Especially good for large areas such as decks, and for wood that's turned dark grey. Removes dirt and marks giving a clean surface ready for you to apply Teak Oil.

Part No
66374

Hempel Anti Slint

2.5ltr
Hempel's Anti-Slint 67500 is flame dried silica sand of which the average particle size is approximately 0.5 millimetres. To obtain anti-skid properties on decks and other areas where a skid-proof surface is required.

66251

Hempinol Black Tar Varnish

Narrow Boat Blacking

Hempinol is a physically drying, high-build, bituminous coating and is flexible, water resistant and rust preventing. An economical corrosion protection of interior and exterior steel and concrete substrates in moderately corrosive environments, not exposed to direct sunlight. Well suited for steel and concrete surfaces buried in subsoil conditions.

4L Black Tar Varnish

66430

Hempalin Enamel 52140

Hempalin Enamel 52140 is a glossy alkyd enamel which forms a weather resistant coating. It is flexible and resistant to salt water and spillage of mineral oil and other aliphatic hydrocarbons.

A general purpose finishing coat in alkyd systems on exterior and interior steel and woodwork in mildly to moderately corrosive environments. Use as a finishing coat in engine rooms including tank tops, main engines and auxiliary machinery.

Colour	5 L
RAL Colours	67297

Hempathane HS 55810

Hempathane HS 55810 is a two-component polyurethane topcoat, cured with aliphatic isocyanate, with very good gloss and colour retention.

Use as a low VOC finishing coat for protection of structural steel in severely corrosive atmospheric environments.

Suitable thinners: Thinners No. 08080
Coverage: $16.3m^2$ / L

Colour	5L
RAL Colours	67402

Hempadur 45143

Hempadur 45143 is a two-component, polyamide adduct cured epoxy paint with good wetting properties and low water permeability. It is selfpriming and forms a hard and tough coating which has good resistance against abrasion and impact as well as to seawater, mineral oils, aliphatic hydrocarbons and splashes from petrol and related products. Harmless to grain cargoes. 1. As a high build primer, intermediate and/or finishing coat in (heavy duty) paint systems according to specification. (As a finishing coat where a cosmetic appearance is of less importance).2. For repair and maintenance work at application temperatures above -10°C/15°F on hatch covers, decks, in cargo holds, etc. 3. As a ballast tank coating. Hempadur 45143 is intended for use in cold/temperate climates, Hempadur 45141 is used for warmer climates.

Colour	5L
Black	67403
White	67422
Grey	67423

Hempel's Tool Cleaner 99610

A blend of strong solvents for cleaning of tools that have been used for mixing or application of two-component epoxy products. It has better cleaning properties than epoxy thinners. Does not contain chlorinated solvent.

For cleaning of brushes, paint rollers, spray equipment, and other tools which have been used for mixing or application of Hempadur products.

Do not use as thinner for any paint.

Colour	5L
Clear	67401

Hempel's Thinners 08080

Hempel paint is produced and supplied in such a way that thinning is normally not necessary, provided the paint is properly mixed/stirred. However, if the paint is to be applied in a low film thickness (for instance as a "sealer coat") or if the paint has become too thick, e.g. in cold weather, the correct Hempel thinner may be added. As a general rule, thinning should be kept at a minimum as the quality of the paint work will suffer from too liberal thinning. However, if application is to take place at high temperatures (air and/or steel), thinning may even beyond the limits mentioned on the data sheets exceptionally be necessary in order to avoid dry-spray and poor film formation.

Colour	5L
Clear	67397

New technology for underwater protection.

No matter if you are racing or just cruising...
No matter if in fresh or salt water...
Respect yourself, your boat and the environment.

Use Hempaspeed TF.

Key Features
- Thin-film hard antifouling
- Ultra-smooth finish
- Biocide-free

PATENT PENDING

Hempaspeed TF is a high performance, hard, thin-film coating. Forms an ultra-smooth surface that minimizes growth and reduces drag. For use as an antifouling for boats of glass fibre, steel and aluminium. Suitable for pleasure boats and racing / regatta boats. Ideal for both fresh and salt water use.

hempelyacht.com

HEMPEL
Trust is earned

Paint can be thinned to improve its flow characteristics and to increase its ability to be absorbed. Care should be taken not to exceed the maximum ratio of thinners as this can adversely affect the product you are applying. When paint is thinned, the spreading rate will increase and the paint will be easier to work with. On the other hand, the dry film thickness will be thinner when the solvents have evaporated and it may be necessary to apply another coat to obtain the required film thickness.

It is important that the correct thinner is used for each application - failure to do so will result in a ruined job.

No 1 - Single component primers, topcoats and varnishes

No 2 - Brush application. Two component polyurethane paint and varnish.

No 3 - Antifouling, non slip deck coating and spray thinner for topcoat.

No 5 - Light Primer

No 6 - Spray application. Two component polyurethane paint and varnish.

Degreaser - 750ml

A blend of strong solvents for the cleaning of tools that have been used for mixing or application of two component epoxy products. It has better cleaning properties than epoxy thinners. Recommended use: for cleaning of brushes, paint rollers, spray equipment and other tools which have been used for the mixing or application of Hempel products.

Part No
67050

Thinner	750ml	5 L
Thinners No. 1	66960	66970
Thinners No. 2	66980	66990
Thinners No. 3	67000	67010
Thinners No. 5	67020	67030
Thinners No. 6	67035	67040

NEW for 2022

One Up Primer Pre Kote

Replaces Yacht Primer and Pre-Kote whilst still delivering the same levels of adhesion and protection

One UP is a single pack primer/undercoat for use above the waterline with International one-pack finishes and deck paints. Simple yet effective, making painting easier for DIY customers without compromising on aesthetic appearance or substrate protection.

Suitable Thinners: No. 1

Coverage: $10m^2$ / L

Substrates: Aluminium, GRP/FRP, Steel, Wood & Carbon Fibre

Colour	375ml	750ml	2.5L
White	68320	68321	68322
Blue/Grey	-	68323	-

Primocon

Conventional one-part primer for use below water. Quick drying, with anticorrosive properties. Can be used under all major antifouling or as a conversion coat over incompatible or unknown antifouling.

Suitable Thinners: No. 3

Coverage: $8.33m^2$ / L

Substrates: Aluminium, GRP/FRP, Lead, Steel, Wood, Carbon Fibre & Cast Iron.

Colour	750ml	2.5L
Grey	68381	68382

VC-Tar2

Osmosis defence for GRP and anti-corrosion barrier for metal. Advanced self-levelling formulation requires no sanding between coats. Smooth surface - ideal primer base for anti-foulings.

Suitable Thinners: VC General Thinners

Coverage: $12.6m^2$ / L

Substrates: Aluminium, GRP/FRP, Lead, Steel, Carbon Fibre & Cast Iron.

Colour	1L	2.5L
Black	68545	68546
Off White	68547	-

Interprotect

Quick drying, easy to apply, two part epoxy primer. Offers excellent anti-corrosive protection. Can be used as an antifouling tie-coat over existing epoxy primers.

Suitable Thinners: No. 7

Coverage: $9.1m^2$ / L

Substrates: Aluminium, Steel & Wood

Colour	750ml	2.5L
White	68390	68391
Grey	68392	68393

Perfection Undercoat

High performance two-part polyurethane undercoat. Provides an excellent base for a long lasting gloss finish. Easy application, fast drying and easy sanding. Semi-gloss appearance.

Suitable Thinners: No. 9

Coverage: $13.3m^2$ / L

Substrates: Aluminium, GRP/FRP, Steel, Wood & Carbon Fibre

Part No	Description
68195	White 750ml
68705	White 2.5 Litre
68707	Blue 2.5 Litre

Interprime 820

High performance 2-component epoxy primer containing inert pigments and extenders. Excellent anticorrosive properties. Easy Sanding. Two colours for overcoating Identification.

Thinners: 910
Coverage: 3.6m^2 / L
Substrates: Aluminium & Steel

Colour	5L	20L
White	68604	68606
Grey	68608	68610

Gelshield 200

A quick drying, easy to apply, epoxy primer for protection of GRP against osmosis. Provides protection against osmosis in five coats (250 μm). Usable down to 5°C. Fast drying allows multiple coat application in a single day.
Suitable Thinners: No. 1
Coverage: 9.1m^2 / L
Substrates: GRP/FRP

Colour	750ml	2.5L
Grey	68412	68413
Green	68414	68415

Gelshield Plus

A high build, solventless epoxy primer. Available in two colours to aid self-on-self application. Contains no harmful solvents to migrate into the hull and cause reblistering.

Colour	2.25 L
Green	68630
Blue	68631

Clear Wood Sealer Fast

Fast-drying, high-build, clear, surface primer. Use under International 1 and 2 part varnishes and finishes. Apply up to 4 coats per day, reducing overall project time. Low viscosity, chemically cured 2-part product; penetrates deep into the wood. Fills the woodgrain, sealing the surface. Provides a perfectly smooth, impact, scratch and wear-resistant surface, ready for overcoating. Crystal clear polyurethane formulation. Increases scheme durability and improves final aesthetics.1:1 mix ratio. Easy to measure and mix.

Suitable Thinners: No. 10
Coverage: 11m2 / L
Substrates: Wood

10L
68615

Intertuf 203 (20 Litre Tins)

A one pack, tar free vinyl anticorrosive which can be used at temperatures down to -5°C (23°F). As an anticorrosive for both above and below the waterline and also as a sealer coat over Tributyltin (TBT) antifoulings. Suitable for use with controlled cathodic protection. For use at Newbuilding, Maintenance & Repair or On Board Maintenance.

Colour	Part No
Tinted	68617
Aluminium	68618
Black	68619

Intergard 269

A quick drying two pack epoxy holding primer / tie coat which is suitable for overcoating after extended periods of weathering.

Size	Part No
5 Litre	68601
20 Litre	68602

Interstores Primer

A hard wearing, surface tolerant, two pack epoxy primer/finish.

Size	Part No
5 Litre	68685
20 Litre	68686

International

While you're doing this...

...we're doing this.

When you're out on the water, you shouldn't have to worry about what's going on underneath it. That's why we've been out in the field, designing, testing and optimising our coatings to safeguard your boat from fouling. Our results? A new range of antifoulings tailored for your convenience, each providing superior colour and performance you can trust.

Below the waterline? We've got it covered.
international-yachtpaint.com

AkzoNobel

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Micron 350

Micron 350 is a premium antifouling, offering outstanding 2-year protection in all conditions. A new formulation ensures truer colours, while self-polishing copolymer technology delivers consistent performance.

Suitable Thinners: No. 3

Coverage: $9m^2$ / L

Substrates: GRP, Wood, Steel/Iron & Lead.

Colour	750ml	2.5L	5L	20L
Black	68000	68001	68002	68003
Navy	68004	68005	68006	68007
Blue	68008	68009	68010	-
Green	-	68012	-	-
Dark Grey	-	68013	-	-
Dover White	68014	68015	68016	-
Red	68017	68018	68019	68020

Ultra 300

Ultra 300 is our ultimate hard antifouling, providing 1 year protection ideal for powerboats or any streamlined yacht, even in the harshest fouling conditions.

Suitable Thinners: No. 3

Coverage: $9m^2$ / L

Substrates: GRP, Wood, Steel/Iron & Lead

Colour	750ml	2.5L	5L
Black	68021	68022	68023
Navy	68024	68025	68026
Blue	68027	68028	-
Green	-	68029	-
Dark Grey	-	68030	-
Dover White	68031	68032	68033
Red	68034	68035	-

Cruiser 250

Cruiser 250 is a polishing antifouling providing quality year-long protection. Quick-drying and convenient, it can also help you get back on the water sooner.

Suitable Thinners: No. 3

Coverage: $9m^2$ / L

Substrates: GRP, Wood, Steel/Iron & Lead.

Colour	750ml	3L
Dover White	68041	68042
Red	68043	68044
Blue	68045	68046
Navy	68047	68048
Black	68049	68050

Trilux 33

Slow polishing, avoids seasonal paint build up. For all substrates including aluminium; recommended for propellers and boottops. Effective fouling protection for up to 18 months.

Suitable Thinners: No. 3

Coverage: $10.5m^2$ / L

Substrates: Aluminium, GRP/FRP, Lead, Steel, Wood, Carbon Fibre and Cast Iron.

Colour	5L
White	68750
Red	68752
Black	68756

Boatguard 100

Boatguard 100 is an effective low-cost antifouling, formulated to repel all kinds of fouling organism. It is quick and easy to apply, and provides comprehensive protection for a whole season.

Suitable Thinners: No. 3
Coverage: $9m^2$ / L
Substrates: GRP, Wood, Steel/Iron and Lead.

Colour	2.5L
Dover White	68036
Red	68037
Blue	68038
Navy	68039
Black	68040
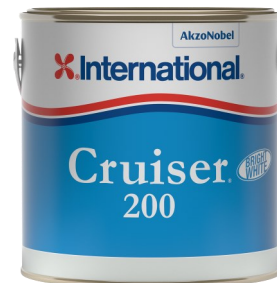
Cruiser 200

Cruiser 200 is a quality polishing antifouling that provides comprehensive protection for all substrates, including aluminium. Available in Bright White.

Suitable Thinners: No. 3

Coverage: $9.2m^2$ / L

Substrates: Aluminium, GRP, Wood, Steel/Iron and Lead.

Colour	2.5L
Bright White	68051

Uni-Pro 250 (**Professional Use Only**)

Uni-Pro 250 is designed specifically for professional use, providing quality fouling protection in almost all conditions.

Suitable Thinners: No. 3
Coverage: 8.3m^2 / L
Substrates: Aluminium, GRP/FRP, Lead, Steel, Wood, Carbon Fibre & Cast Iron.

Colour	5L	20L
Dover White	68052	-
Red	68053	68054
Blue	68055	-
Navy	68057	68058
Black	68059	-
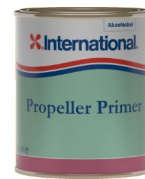
Trilux Prop-O-Drev

Aerosol application for difficult to reach areas. For propellers, outboards and sterngear. For aluminium, stainless steel and alloy. Biolux® technology for sustained antifouling protection.

Suitable Thinners: No. 3

Coverage: 8.5m^2 / L

Substrates: Aluminium, Stainless Steel & Alloy

Part No	Colour
68540	Grey 500ml
68542	Black 500ml
68544	Red Propeller Primer 250ml (brush on)

VC Offshore EU

Suitable for salt and freshwater. A hard, smooth finish can be burnished to a very low profile. For racing, sailing and power boats.

Suitable Thinners: No. 3

Coverage: 11.76m^2 / L

Substrates: GRP/FRP, Lead, Steel, Wood, Carbon fire and Cast Iron.

Colour	750ml	2L
White	-	68442
Red	68443	68444
Blue	68445	68446
Black	-	68448

VC17m Extra

Extra strong thin film antifouling for racing sailboats and powerboats. With a fluoro micro additive for a low friction surface. Hard, smooth surface. Quick drying for fast re-launch.

Suitable Thinners: VC General

Coverage: 11m^2 / L

Substrates: GRP/FRP, Lead, Steel, Wood, Carbon fibre and Cast Iron.

Colour	750ml	2L
Graphite	68548	68549

Interspeed Professional Antifouling

TBT free, controlled depletion polymer (CDP) self polishing antifouling system.

Thinners: GTA007 (exceptional circumstances)

Coverage: 3.7m^2 / L

Substrates:

Colour	20L
Red 6200	69080
Blue 6400	69083

Interthane 990

A two component, high gloss, polyurethane finish, Interthane 990 provides excellent durability and flexible application. With an over 20 years' global track record, Interthane 990 is a trusted solution providing extended recoat windows, long term protection and aesthetics retention in new construction and maintenance.

Size	Part No
5 Litre	69075
20 Litre	69076

Intergard 740

Intergard 740 is a two pack epoxy cosmetic finish and is particularly useful for areas that experience high abrasion or chemical exposure. Intergard 740 is used as a cosmetic finish in above water areas for new-building, maintenance & repair or on board maintenance projects. Intergard 740 is available in a wide range of colours from the Chromascan tinting system.

Size	Part No
5 Litre	69077
20 Litre	69078

Interlac 665

A one pack alkyd finish with good flow properties. Easy to apply with brush/roller or spray. For use as an easily maintained cosmetic finish coat above the waterline. Suitable for use as a bilge coating. Interlac 665 is stocked in a range of popular colours for fast delivery, or to special order in any RAL or BS Colour shade. Some International 'House' colours are available such as Oxford and Mauritius Blue. Please allow up to 3 days additional shipping time for custom colours. Fire resistance: - Surface spread of Flame (WFR) - (IMO Resolution A653 (16)).

Description	5 L	20 L
Interlac 665	69020	69021
Interlac Undercoat	69070	69071

Interior Finish 750 - 5 Litre

Use Interior Finish 750 on all interiors to create a tough, durable and opaque finish, that offers great chemical resistance. When used with Interior Primer 860, it holds a Surface Spread of Flame certificate.

Two-pack polyurethane high gloss finish that's easy to clean.

Specially formulated for interiors of all types of construction.

Reduced surface preparation requirements and fast walk on time speeds.

Part No	Colour
68696	5 Litre White (RAL9003)
68697	5 Litre White (RAL9010) MTO
68698	5 Litre Light Grey (RAL7035) MTO
68699	5 Litre Grey (RAL7038)

Interior Primer 860

Interior Primer 860 : is a high build, multipurpose, low VOC epoxy primer, specifically formulated for use in the interiors of all types of construction. Reduced surface preparation requirements, fast walk on time and low odour speed the application process and lowers the impact on other trades. Interior Primer 860 : provides excellent anticorrosive protection and holds a Surface Spread of Flame Certificate.

Part No	Colour
68700	5 Litre White (RAL9010)
68701	20 Litre White (RAL9010)
68702	5 Litre Grey (RAL7035)
68703	20 Litre Grey (RAL7035)
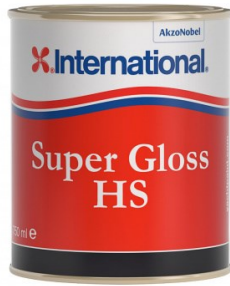
Super Gloss HS

Formulated using high solid resin technology, Super Gloss HS is a low VOC high gloss finish optimised for roller application, minimising the effort required to achieve an outstanding finish with great durability. Easy to apply even at low temperatures, this high solid formulation delivers full opacity in just 1-2 coats.

Thinner / Cleaner : No 1

Number of coats : 1-2 coats; opacity may vary depending on paint colour and colour of paint/substrate being over coated.

Practical Coverage 12m²/ L

Application method: Roller, Brush

750ml	Description	750ml	Description
68810	White 100	68820	Lighthouse Red 233
68812	Arctic White 248	68822	Thames Green 239
68814	Pearl White 253	68824	Ocean Blue 210
68816	Bahama Beige 243	68826	Atlantic Blue 269
68818	Whale Grey 201	68828	Black 190

NEW for 2022

Toplac Plus (New for 2022)

Toplac Plus is a silicone alkyd premium gloss yacht enamel for all substrates above the waterline. It is easy to apply by roller without the need for tipping. Toplac Plus contains UV filters for increased durability.

Suitable Thinners: No. 1
Coverage: 13.33m^2 / L
Substrates: Aluminium, GRP/FRP, Lead, Steel, Wood, Carbon Fibre and Cast Iron.

Colour	750ml	Colour	750ml
Med White 545	68201	Platinum	68207
Med White 2.5ltr	68202	Bondi Blue 016	68240
Snow White 001	68219	Donegal Green 077	68242
Snow White 2.5 ltr	68220	Yellow 101	68243
Ivory 812	68222	Cream 027	68197
Bounty 350	68223	Fire Red 504	68199
Rochelle Red 011	68226	Rescue Orange 265	68200
Rustic Red 501	68228	Sapphire Blue 830	68203
Jet Black 051	68232	Oyster White 195	68210
Atlantic Grey 289	68234	Matterhorn White 199	68211
Oxford Blue 105	68245	Flag Blue 992	68212
Mauritius Blue 018	68236		
Lauderdale Blue 936	68238		

Non-Slip Additive

For addition to Yacht enamel, Toplac or Perfection to provide a non-slip surface. Non-slip additive is effectively colourless when mixed into paint, so no change in shade should be observed.

20g
68340

Perfection

A 2-pack high performance polyurethane topcoat, providing an extremely durable gloss that will last for up to 5 years. Use with perfection undercoat or UCP. 2.25 litre tins are available in the International Professional range.

Suitable Thinners. No. 9

Coverage: 9.3m^2 / L

Substrates: GRP/FRP, Lead, Steel, Wood & Cast Iron.

Colour	750ml	Colour	750ml
Platinum 183	68246	Mauritius Blue 991	68254
Med White 184	68247	Flag Blue 990	68255
Off White 192	68249	Fighting Lady Yellow	68256
Royal Blue 216	68250	Cream 070	68257
Snow White 750ml	68251	Jet Black 750ml	68259
Snow White 2.25 Litre	68646	Chilli Red 294	68260
Lauderdale Blue 936	68252	Rochelle Red 299	68258
Jade Mist Green 663	68253		

Interdeck

Slip resistant polyurethane deck paint. Contains a fine mineral additive for a hard wearing, non-slip surface. Low sheen finish prevents sunlight dazzle. Apply straight from the can with a brush or a roller.

Suitable Thinners. No. 1
Coverage: $10.8m^2$ / L
Substrates: Aluminium, GRP/FRP, Steel & Wood

Colour	750ml
White 001	68330
Cream 027	68331
Grey 289	68332
Squall Blue 923	68337
Beige 090	68338

Danboline

Hard wearing coating for bilges, lockers and bulkheads. Chemical resistance to fumes, fuel and oil. High opacity for thorough coverage. Cleans easily for reduced maintenance.

Suitable Thinners. No. 1
Coverage: $12.3m^2$ / L
Substrates: Aluminium, GRP/FRP, Steel & Wood

Colour	750ml	2.5 L
White	68420	68419
Grey	68422	68423

Matting Additives

Matting additives can be added to both International finishes and varnishes and, depending on the mix ratio between the product and the additive, a variety of gloss, satin or matt effects can be achieved. International produces two types of matting additive, suitable for use with either the two-part or one-part products in the range.

Single Pack 750ml	Two Pack 750ml
68342	68695

Thinner	500ml	1 L
Thinners No. 1 (single pack, general purpose)	68449	68450
Thinners No. 3 (antifoul & primocon)	68457	68451
Thinners No. 7 (two part epoxy paints)	-	68452
Thinners No. 9 (helps slow down two part polyurethane paints)	-	68453
Thinners No. 10 (910) (two part polyurethane paints)	-	68455
VC General Thinner	-	68550

Thinner	5 L	25 L
Thinner No. 1	68766	68767
Thinner No. 3	68769	68770
Thinner No. 7	68771	68772
Thinner No. 910 (fast)	1ltr	68455
Thinner No. 910 (fast)	5ltr	68773
Thinner No. 920 (slow spray)	5ltr	68774

Thinner No. 100

This has been specially formulated for thinning Perfection® and Perfection Pro. Making it easier to apply the product using a brush at elevated temperatures.

1 Litre

68460

Thinner GTA713

Suitable for thinning paints and equipment cleaning from International Paints.

5 Litre	25 Litre
68778	68779

Original Varnish

Traditional, general purpose gloss varnish. Good flow, flexibility and gloss retention. High clarity finish for light colour woods. Use on interior, exterior and over existing varnish.

Suitable Thinners: No. 1

Coverage: 13m^2 / L

Substrates: Wood

375ml	750ml	2.5L
68355	68356	68357

Woodskin

This is a flexible wood oil/varnish hybrid that acts like a skin for your wood. Microporous properties allow woodskin to breath with your wood; tiny holes let the paint film expand and contract but are small enough to repel water - the cause of mould and mildew. Woodskin is very easy to apply; no need to thin or sand between coats. With good flow and levelling, Woodskin dries to a subtle, translucent sheen. Woodskin penetrates deep into your wood, leaving a thin surface film that will not crack or flake. Minimal maintenance requirements - simply clean and reapply season after season. The Natural Teak colour of Woodskin will showcase the beauty of any wood. Woodskin is suitable for use on all types of wood, including oily woods such as teak and iroko.

Suitable Thinners: No. 1
Coverage: 10m2 / L

750ml
68309

Schooner

Schooner is a traditional tung-oil based gloss yacht varnish for classic yachts, suitable for all internal and external wood. It contains UV filters to screen the sun's damaging rays for remarkable durability. Easy application. Deep, rich gloss. Warm golden colour. Excellent UV protection. For interior and exterior use. Schooner has excellent water resistance, silky application and superior self-levelling properties.

Suitable Thinners: No. 1
Coverage: 14m^2 / L
Substrates: Wood

375ml	750ml	2.5L
68345	68346	68347

Perfection Plus Varnish

Ultimate performance, clear, two-part polyurethane varnish. Chemical cure for the hardest finish & highest abrasion resistance. Superior gloss lasts four times longer than conventional one-part varnishes. Professional-quality results made easy. 2:1 mix ratio: Easy to measure and mix.

Suitable Thinners: No. 9

Coverage: 13.3m^2 / L

Substrates: Wood

750ml	2.5L
68366	68367

Compass Varnish

Tough, durable polyurethane finish; resistant to scratches and surface abrasion, oil, mild acid/alkali and alcohol spills. Fast-dry formulation; minimises dust contamination. Reduces work time: apply 2 coats per day, sanding only after every 2nd or 3rd coat. Contains HALS and UV absorbers; protecting your wood from sunlight degradation and increasing the lifespan of the coating. Superior flow and application characteristics ensure a smooth, professional finish. Light amber colour. Suitable for all internal and external woods; including oily timbers such as Teak and Iroko.
Suitable Thinners: No. 1
Coverage: 14.3m^2 / L
Substrates: Wood

375ml	750ml	2.5 L
68351	68352	68353

Goldspar Satin Varnish

A satin finish polyurethane varnish for interior use. Resistant to hot water, mild acids and alkalis. Fast-dry formulation minimises dust contamination.

Suitable Thinners: No. 1
Coverage: 11.5m^2 / L
Substrates: Wood

375ml	750ml	2.5 L
68360	68361	68359

Bonda Marine G4

G4 is a highly effective primer and sealer for wood, metal or concrete. It forms a non-porous plastic coating which is tough and flexible. It has excellent adhesion to most materials including GRP.

Part No	Item
64534	500g
64535	1 Kg
64536	2.5 Kg
64537	5 Kg
64538	G4 Thinners 1 Litre

Prymax Marine Primer Sealer

Prymax GRP Primer is used to obtain a strong waterproof bond onto wood, concrete and metal before applying a GRP laminate.

Coverage 200 grams per square metre

Part No	Description
64531	Prymax Marine Primer Sealer 1kg
64532	Prymax Marine Primer Sealer 2.5kg
64533	Prymax Marine Primer Sealer 5kg

Bonda Marine Wood Seal

Wood seal is formulated from high performance moisture curing resins to provide a non-porous seal with excellent non-yellowing properties. Wood Seal has good gloss retention and forms a tough, flexible coating which is resistant to oil and fuel.

500ml

64575

Bonda Rust Primer

A resin based zinc anti-rust coating. It forms a tough skin with a bonded in anti-rust system for long term action. It has excellent adhesion to most metals and leaves a primed surface ready for coating with all types of paint.

Part No	Item
64555	250ml
64560	500ml
64565	1 Litre
64570	2.5 Litre
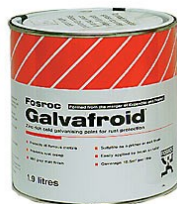
Galvafroid

Zinc rich cold galvanising paint for rust protection on all ferrous metals. Prevents rust creep. Suitable for use as a primer or self finish. Mid grey matt finish.

Part No	Item
61103	400ml
61104	800ml
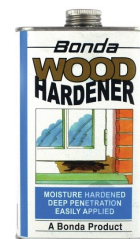
Bonda Wood Hardener

This is a durable, single component polyurethane sealer/ surface hardener which, when applied to soft or rotten woods, will cure to a hard and non-porous finish. Ideal when needing to screw into damp or rotting wood.

500ml

64541

Loctite Rust Remedy

Rust Remedy is a fast acting rust converter which transforms rusted metal into a hard, sound surface ready for painting or filling. Proven in industry and easy to use.

90ml

60635

Owatrol Paint Conditioner & Rust Inhibitor

Improves finish, eases application and beats paint drag when added to any oil based paints, varnishes or stains. Reduces brush marks and improves coverage. Fortifies the paint - increasing penetration and adhesion.
A longer lasting finish that resists flaking and peeling. Combats rust by filling rust pores with oil.
Coverage (when used neat) 5 - 8m^2 per litre for wood and 8 -12m^2 per litre for rusted surface.
Overnight drying time for wood and 24 hours for metal.

Part No	Description
60591	500ml Owatrol Paint Conditioner & Rust Inhibitor
60592	1 L Owatrol Paint Conditioner & Rust Inhibitor

Deks Olje D1 is a saturating wood oil which feeds the wood to replace lost oils. It drives out any moisture and air present in the wood and fills the pores with oil.

Part No	Description
60594	Deks OLJE D1 Saturating Oil 1 L
60595	Deks OLJE D1 Saturating Oil 2.5 L

Deks Olje D2 is a gloss varnish-like, tough, flexible and durable finish that enhances the natural beauty of both interior and exterior wood. Before using Deks Olje D2, all wood surfaces should be treated and protected with Deks Olje D1 saturating wood oil.

Part No	Description
60596	Deks OLJE D2 Saturating Oil 1 L
60597	Deks OLJE D2 Saturating Oil 2.5 L

Bonda 15 Year White is a one component, high gloss, white coating for metal, wood, aluminium and G.R.P. Formulated from premium quality moisture cured polyurethane with light fast pigments 15 Year White has exceptional stability against U. V. light with outstanding non-yellowing and non-chalking qualities. The coating has a combination of hardness and flexibility plus toughness as well as abrasion resistance and resistance to most usual chemicals.

Part No	Description
64539	Bonda 15 Year White High Gloss 1 L

Rustins Advanced

Wood Preserver

Advanced Wood Preserver is a low odour, non-flammable product based on micro emulsion nanotechnology. The ultra-fine particle size allows deep penetration of the preserver to take place so the performance of the product is much greater than standard wood preservation products. It is quick drying and can be applied to wet or dry timbers. For use against wood rotting fungi within domestic, commercial, institutional and industrial premises.

5 L
61124

White Spirit

White Spirit is a highly refined solvent meeting the requirements of BS245. Suitable for general cleaning purposes, brush cleaning and paint thinning. It is more suitable for paint thinning than other solvents as it will not affect the drying time of oil based paints.

750ml	2 L
61505	61500

Methylated Spirit

Industrial alcohol for general purpose cleaning and thinning of some spirit based paints and French Polish/knotting products.

500ml

63042

Jotun Penguard HB Epoxy Primer

This is a two component, polyamide cured, high molecular weight epoxy coating. Designed as a high build, all purpose coating for new construction. Can be used as primer, mid coat, finish coat or as single coat system in atmospheric and immersed environments. Suitable for properly prepared carbon steel, stainless steel, aluminium, concrete, galvanised steel, shop primed steel and thermally sprayed zinc substrates.

5 Litre

67430

Pure Turpentine

It is generally used by artists and professional decorators for thinning oil based paints and varnishes.

500ml

61497

Cellulose Thinners

Thinners for cellulose based paint. Also use for cleaning brushes and removing unwanted spots of cellulose paint.

500ml

62999

Turpentine Substitute

A high quality turps substitute which is commonly used for thinning oil based paints and cleaning brushes, or as an organic solvent in other applications.

25 L

61495

Propshield Propeller (& Stern Gear) Antifouling Grease

A specially engineered marine product for use on all types of propellers and stern gear. Propshield Propeller (& Stern Gear) Antifouling Grease Is suitable for: Propellers, prop shafts, rudders, P brackets, trim tabs, outdrives, saildrives, outboards etc. Bronze, stainless steel, aluminium and painted surfaces (plus all other metals & Kiwi Props).

Part No	Description
90583	175g Tub
90584	375g Tub

Seajet Pellerclean

Seajet Pellerclean is a foul release propeller coating for propellers, stern gear and trim tabs. This foul release product is environmental friendly, biocide free and provides long term protection. Seajet Pellerclean is suitable for motorboats and sailing yachts up to 30 knots and is available in golden brown.

Includes primer, hardener, topcoat & 3 mixing sticks.

Maximum speed 30 knots

Coverage rate 0.7 m² / L

Part No	Description
90586	325ml Pack

Owatrol Marine Strip

Solvent free - Non-flammable - No toxic fumes - Is easily removed with water. Marine Strip is safe on all surfaces except aluminium. Does not harm plastic. Is safe on G.R.P. Very efficient - Will remove up to 8 coats of paint in one operation. Will not affect 2 component or baked-on paints, polyurethane paint and varnishes. Does not evaporate - Long active work time. Easy to apply Gel - With prolonged stripping action. Does not run .

Part No	Item
60590	1 L

Strypit Paint & Varnish Remover

Rustins new formula Strypit is a non-caustic dichloromethane-free gel suitable for removing multiple coats of paints and varnishes applied to wood, metal, glass, stone and masonry surfaces. Strypit works best when applied liberally and allowed to penetrate after two applications. The gel consistency permits effective use on vertical surfaces. Strips paint, varnish, polyurethane, emulsion, french polish & lacquer. For use on wood, metal, glass & plaster.

Item	Part No
1 Litre	64620
2.5 Litre	64621

Peelaway Marine Anti Fouling Remover

Peelaway Marine is specially formulated to safely remove multiple layers of anti-foul coatings with one application without damaging gel coat. Its patented poultice system allows the product to remain active and work without rapidly drying out. The special poultice blanket supplied also helps collect stripped paint and reduces boatyard contamination risk. Peelaway Marine is a light paste consistency and is easy to apply to vertical surfaces and difficult shapes. It can be applied with a brush or trowel and for larger areas, an airless sprayer can be used.
Suitable for most hull types including GRP, wood, metal & concrete. Always test a small inconspicuous area before applying generally.

Part No	Description
60580	4kg Peelaway
60585	10kg Peelaway

Hempels Paint Stripper - 2.5 L

Highly effective solvent based paint remover, making it easier to remove old paint and antifouling.

Part No
67051

Interstrip AF

A paint stripper especially formulated for removal of antifoulings. Interstrip AF is not aggressive and will not damage gelcoats.

1 L	2.5 L
68435	68436

Primer Paint Brush

Our cheapest basic black bristle brushes. Sold individually or in boxes of 12.

Part No	Size	Box Size
60090	1/2" (12mm)	12
60100	3/4" (19mm)	12
60110	1" (25mm)	12
60120	1 1/2" (38mm)	12
60130	2" (51mm)	12
60140	2 1/2" (63m)	12
60150	3" (76mm)	12
60160	4" (102mm)	12

Laminator Paint Brush

Disposable brush for laminating epoxy and polyester resins. White bristle, plain wood handle. Sold individually or in boxes of 12.

Part No	Size	Box Size
60180	1/2" (12mm)	12
60185	1" (25mm)	12
60190	1 1/2" (38mm)	12
60195	2" (51mm)	12
60200	2 1/2" (63m)	12
60205	3" (76mm)	12
60210	4" (102mm)	12

Topsider Paint Brush

Good quality brush for all finishing work at a reasonable price. Sold individually or in various box sizes.

Part No	Size	Box Size
60010	1/2" (12mm)	24
60020	3/4" (19mm)	24
60030	1" (25mm)	24
60040	1 1/2" (38mm)	18
60050	2" (51mm)	18
60060	2 1/2" (63m)	12
60070	3" (76mm)	12
60080	4" (102mm)	12

ANZA

Anza Basic Brushes

Basic is a good choice when finish is not of utmost importance. Flat brushes are suitable for painting doors and woodwork. The brushes have synthetic filament heads and basic soft grip handles. Suitable for all paints. Sold individually or in boxes of 10.

Part No	Size	Box Size
61970	35mm	10
61975	50mm	10
61980	70mm	10

Anza Elite Brushes

Elite is a very good choice for the DIY painter who wants to achieve a really good result. Flat brushes are suitable for painting doors and woodwork. The brushes have very high paint pick-up and give great coverage. The synthetic filament heads are of very high quality, developed for all indoor and outdoor paints (both water-based and oil-based). It gives a very good finish and a very good end result.
Sold individually or in boxes of 10.

Part No	Size	Box Size
61930	35mm	10
61935	50mm	10
61940	70mm	10
61945	100mm	10

Anza Platinum Brushes

Platinum is quite simply our best choice, designed for users who demand the highest quality. Flat brushes are suitable for painting doors and woodwork. The brushes are extremely durable and have very high paint pick-up and give excellent coverage, which ultimately means that you save time. The synthetic filament heads are of the highest quality, developed for all indoor and outdoor paints (both water-based and oil-based). It is also developed for precision painting and gives a superior finish and a perfect end result without leaving any marks.
Sold individually or in boxes of 10.

Part No	Size	Box Size
61904	25mm	10
61905	35mm	10
61910	50mm	10
61915	70mm	10

HAMILTON®

Hamilton Performance Brush

Natural bristle and synthetic filament blend with good paint pick-up and spreading rates. Sold individually or in various box sizes.

Part No	Size	Box Size
60376	1" (25mm)	12
60377	1 1/2" (38mm)	12
60378	2" (51mm)	12
60379	3" (76mm)	6

Jenny Brushes

These brushes are ideal for applying and laying off high gloss finishes such as enamel or varnish. The finish achieved with these brushes is first class. A foam brush is probably not the ideal brush for applying heavy bodied primers when you may need the stiffness of a good quality bristle brush to manoeuvre and work the paint. Sold individually or in various box sizes.

Part No	Size	Box Size
60215	25mm	48
60216	50mm	48
60217	75mm	36
60218	100mm	24

Hamilton Prestige Pure Synthetic Laying Off Brush

For a great finish when laying off. Thin brush with finely-tipped synthetic filaments designed for finishing not for application. High quality tipped synthetic filaments. Wet the tips and pull through the paint for a flat finish. Easy clean. Sold individually or boxes of 3.

Part No	Size
60380	4" (100mm)

Radiator Brushes

Long handled brush for reaching awkward areas such as bilges. White bristle and plastic handle. Sold individually or in boxes of 10.

Part No	Size	Box Size
60162	1" (25mm)	10
60163	1 1/2" (38mm)	10
60164	2" (51mm)	10

Rota Concave Superfine Foam Roller Refill - 120mm x 35mm

Superfine Foam roller sleeves are suitable for gloss, primers, varnishes and all oil and solvent based paints. For use on smooth or slightly textured surfaces. Sold individually or in boxes of 10.

Part No
60006

Anza Felt Mini Rollers

Felt roller suitable for woodwork, doors and kitchen fittings. Also suitable for marine coatings and other two-component paints. Gives a smooth finish. Fits short and long frames. Sold individually or in boxes of 10.

Part No	Size	Width
62025	Mini	10cm
62030	Mini	15cm

Hamilton Perfection Brushes

Top of the range. High quality brush with natural bristles. Sold individually or in various box sizes.

Straight Part No	Oval Part No	Size	Box Size
60234	-	3/4" (19mm)	6
60235	-	1" (25mm)	6
60236	-	1 1/2" (38mm)	6
60237	60362	2" (51mm)	6
60238	-	2 1/2" (63m)	3
60239	-	3" (76mm)	3

Fluffy General Purpose Roller

A general purpose fluffy roller which fits most frames.

Sold individually or in boxes of 10.

Part No
60005

Foam Roller

A foam roller for topcoat application which fits most frames.

Sold individually or in boxes of 10.

Part No
60003

Epoxy Roller

A foam roller designed for use with epoxy / two-pack products which fits most frames.

Sold individually or in boxes of 10.

Part No
60004

Prestige Felt Mini Roller

4" Wide

Felt fabric for evenness of coating and reduced fibre loss.

Part No
60383

Perfection Short Pile Midi Roller

4" Wide

Excellent paint pick up and finish.

Part No
60382

Prestige Medium Pile Roller

4" Wide

Felt fabric for evenness of coating and reduced fibre loss.

Part No
60384

Performance Foam Mini Roller

4" Wide

High density foam ensures no fibre loss and smooth finish.

Part No
60385

Mini Frame Short

Fits all 4" standard roller heads.

Part No
62065

Performance Short Pile Roller

9" Wide

1 3/4" Core

High density knitted fabric for fast, even coverage.

Part No
60394

Prestige Medium Pile Roller

9" Wide

1 3/4" Core

Continuous fibre fabric for reduced fibre loss and fast, even coverage.

Part No
60395

Roller Frame 9" x 1 3/4"

Strong, durable plastic handle. Various sizes. 5 Wire cage with 8mm wire arm. Push-fit extension pole connection. 9" Wide 1 3/4" Core

Part No
60007

Anza Felt Midi Rollers

Felt roller suitable for woodwork, doors and kitchen fittings. Also suitable for marine coatings and other two-component paints. Gives a smooth finish.

Fits short & long frames

Part No	Size	Width
62020	Midi	15cm

Anza Plastic Foam Rollers

Foam roller suitable for woodwork, doors and kitchen fittings. Gives a smooth finish. Note! Soft; must not be used with thinners or acetone.

Fits Short & Long frames

Part No	Size	Width
62045	Mini	10cm
62050	Mini	15cm

Anza Felt Rollers

Felt roller suitable for woodwork, doors and kitchen fittings. Also suitable for marine coatings and other two-component paints. Gives a smooth finish.

Fits Anza 18cm frame

Part No	Size	Width
62015	Maxi	18cm

Complete Mini Frame Long

Long handled frame (55cm approx.) complete with general purpose fluffy roller.

Part No
60000

Anza Mini Frame Short

Easy-grip two-component handle. Fits Anza extension poles. Frame length 23 cm.

Part No
62066
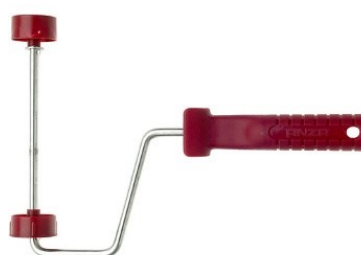
Anza 18cm x 1 1/2" Roller Frame

For use with Anza maxi felt rollers and Hamilton rollers.

Part No
62055

West Foam Roller Frames

Roller frames to fit West foam rollers.

Part No	Size
64329	3" X 1 1/2"

West Foam Rollers

Foam rollers specifically designed for use with epoxy products.

Part No	Size
64334	3" X 1 1/2"
64331	7" X 1 3/4"

Paint Pads

Suitable for applying all coatings, especially top coat finishes.

Part No	Item
62095	pad & handle 85 X 85mm
62100	pad & handle 170 X 85mm

30cm Mixing Stick

S-shaped polypropylene paint stirrer. The s-shape make the mixing stick sturdier. Corrosion-resistant to both paint and thinner.

Part No	Size
67941	30cm

Microfibre Cloths

Pack of 10. Colours may vary. 40 x 40cm

Part No
60360

10kg Bag of White Rags

Mixture of rags for cleaning.

Part No
60291

Mutton Cloth

(Stockinette)

High quality cotton stockinette cloth for general cleaning and polishing tasks.

400gm
60298

Tack Cloths

Cloths for wiping down surfaces prior to painting to ensure a smooth finish. They are slightly tacky and will pick up and hold dust, dirt and sanding residue.
Sold singly or in packs of 10.

Part No
60297

Prep - Heavy Duty Trade Wipes

Safe Guard wipes are tough, fast, safe and convenient wipes designed to remove a wide range of soils such as paint, silicones, mastics, inks, adhesives, oils, greases and general dirt. They are ideal for cleaning the hands, work tools and hard surfaces.

Part No	Description
60292	Heavy Duty Trade Wipes (Tub of 80)

Anza Roller Trays

Quality paint trays for use with 18cm rollers. Disposable plastic liners are available.

Part no	Item
62080	Tray for 18cm rollers
62090	Pack of 2 Liners for 18cm

Black Roller Trays

Very sturdy black roller trays available in 3 sizes.

Part No	Tray Size
64337	4" Wide
64336	7" Wide
64338	9" Wide

Plastic Paint Kettle

Enables painting with more manageable quantities. Comes complete with a lid to prevent spillages and enable paint to be kept fresh overnight.

Part No	Description
67963	1 Litre Plastic Paint Kettle and Lid
67964	2.5 Litre Plastic Paint Kettle and Lid

Paint Kettle

Zinc plated. 7" diameter, 3 1/2" deep.

Part No
60299
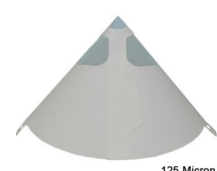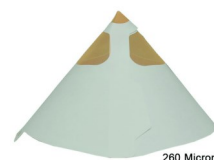
Paint Strainer/Filter

125 Micron - for sensitive top coats

260 Micron - for solvent top coats

Part No	Description
60317	260 Microns Medium Mesh Orange
60318	125 Microns Fine Mesh Blue

Anza 2 Handed Wire Brush

Two-handed wire brush with extended, curved profile head, for optimal use. Includes ergonomic soft-grip handle.

Part No	Description
62182	Anza 2 Handed Wire Brush
62183	Anza Extension Pole 44-61cm

Pack of 3 Abrasive Brushes

An assorted abrasive brush set. Nylon, brass and wire filing. Suitable for a multitude of cleaning jobs

Part No	Description
60293	Pack of 3

4 Row Wire Brushes

Steel: for removing rust or scale and generally preparing rough exterior surfaces prior to painting.

Brass: for cleaning carvings, mouldings or stone.

Part No	Description
60295	Steel 4 Row Wire Brush
60294	Brass 4 Row Wire Brush

HAMILTON®

ANZA

Anza Precision Scraper

Ergonomic soft-grip handle. Supplied with a tungsten carbide blade fitted and three blades in the cartridge.

Replacement blades sold separately in a combination pack with 1 pear and 2 triangular shaped blades.

Part No	Description
60390	Scraper, Blades and Holdall
60391	Spare Blades (Pack of 3)

Prestige Heavy Duty Scraper

Reversible tungsten carbide blade that stays sharp and productive up to 100 times longer than conventional blades.

Handle shaped to do the job more efficiently and with ease.

Almost identical to the popular Sandvik scraper.

Part No	Description
60392	Scraper
60393	Spare Blade

Anza Scrapers

High quality scrapers with replaceable blades.

Part No	Item
62140	Scraper 30mm
62145	Scraper 50mm
62150	Scraper 65mm
62160	2 blades 30mm
62165	2 blades 50mm
62170	2 blades 65mm
62155	Tungsten Scraper 50mm
62175	Tungsten Blade 50mm

Flat Scrapers

Used for scraping surfaces or spreading material such as plaster in various construction trades. Soft grip ergonomic handle with a hole for hanging.

3" (75mm)	4" (100mm)
60240	60250

Combination Scraper

Used for stripping paint from flat and curved surfaces. Soft grip ergonomic handle with a hole for hanging.

Part No
60260

Triangular Scraper

Used for removing paint and other coatings from awkward areas.

Part No
60270

Loctite 577

This thread Sealant is designed for the locking and sealing of metal pipes and fittings as well as other threaded assemblies. The product provides an instant, low-pressure seal for metal pipes and fittings. It will not creep, shrink or shred. It has excellent chemical and thermal resistance and offers less migration of liquid product after application.

Part No	Description
60644	50ml Thread Sealant

Loctite Hydraulic Seal 542

Medium viscosity
For sealing threaded hydraulic and pneumatic parts. Will not clog valves or fine filters and has a thixotropic quality which prevents migration of the sealant. Impervious to all common hydraulic fluids including fire-resistant synthetics. Resistant to Hydraulic Fluids including Synthetics

-55 /+150 °C

Part No	Description
60646	50ml Thread Sealant
60649	10ml Thread Sealant

Loctite High Strength 2701

LOCTITE® 2701 is a green, low viscosity, methacrylate-based thread-locking adhesive with high strength, especially for chromated surfaces. Steel fixture time of 10 min, brass 4 min and stainless steel 25 min. Tolerates slight contaminations of industrial oils. Suitable for all metal fasteners. Fluoresces under UV light.

Part No	Description
60647	50ml Thread Sealant
60648	10ml Thread Sealant

PTFE Tape

Thread sealing tape for pipe connection and general on board plumbing. 12mm X 12m

Part No	Colour
93135	White

Leak Stop

For emergency or permanent repair, Leak Stop will repair a pipe leak in under thirty minutes and contain pressure up to 20 bar and temperatures up to 500°F.
Quick and easy to use on virtually any material, it is also suitable as corrosion protection and electrical insulation to 16,000 volts.

Part No	Size
93002	50mm x 1.5m
93003	75mm x 2.7m

Silicone Tape

Our Self Fusing Silicone tape provides a reliable solution to leaks in water or exhaust pipes and a multitude of containing and sealing applications. Effective between -50°C and +260°C, it can also insulate to 8000v per upstretched layer. The tensile strength has been tested in excess of 700psi and will effectively seal leaks up to 85Psi (6 bar). It also has good resistance to mild acids, fuels, oils, solvents, salt water, ozone, UV light, and flames.
Available Colours: White, Black & Blue

Sizes: 25mm x 3m Roll

Part No	Colour
93401	White
93402	Black
93403	Blue

Clear PVC Hose.

A clear, highly versatile, flexible unreinforced PVC hose.

Temperature range: -20°C +55°C

Sold by the metre.

Part No	Hose ID
90247	3/16" (5mm)
90248	1/4" (6mm)
90252	5/16" (8mm)
90249	3/8" (10mm)
90251	1/2" (12mm)

Clear Braided PVC Hose

A soft, flexible PVC hose with polyester yarn reinforcement. Temperature range: 5°C +60°C

Sold by the metre.

Part No	Hose ID
90350	1/4" (6mm)
90360	5/16" (8mm)
90370	3/8" (10mm)
90250	1/2" (12mm)
90260	3/4" (19mm)
90270	1" (25mm)
90280	1 1/4" (32mm)
90290	1 1/2" (38mm)

GREAT VALUE!

Drinking Water Non Toxic Hose

Galvanized steel wire re-enforced clear drinking water hose. For use for suction or delivery of drinking water .

Sold by the metre.

Part No	Hose ID
89901	13mm
89902	16mm
89903	19mm
89904	25mm
89907	38mm
89909	51mm

Drinking Water Hose DWHOSE

This hose is made of transparent PVC with spiral inlay and is suitable for transportation of drinking water and grey water on board, both suction and pressure.

Temperature proof between -5 and + 65ºC

Sold by the metre.

Part No	Hose ID	Max Pressure Bar
56346	10mm	7
56347	12mm	7
56348	16mm	6
56349	20mm	5
56350	25mm	5
56358	28mm	4.5
56352	32mm	4.5
56354	38mm	4
56356	45mm	3
56357	50mm	3

Flexi Bilge Hose

General purpose hose with a white spiral helix embedded in a translucent green super-elastic, flexible PVC. Lightweight, flexible, smooth bore.

Temperature range: -20°C +55°C

Sold by the metre.

Part No	Hose ID
90210	3/4" (19mm)
90220	1" (25mm)
90221	1 1/8" (28mm) Black
90230	1 1/4" (32mm)
90240	1 1/2" (38mm)
90246	2" (51mm)

Odour Free Waste Hose

Waste hose made from a special formulation of PVC compounds which provide good resistance to odour permeability.

Sold by the metre.

Part No	Hose ID
90375	3/4" (19mm)
90376	1" (25mm)
90378	1 1/2" (38mm)

Sanitation Rubber Hose

SAHOSE

These hoses are made of SBR rubber with inlays of woven synthetic fabric and stainless steel spiral. Recommended especially for transportation of biological waste from (marine) toilets.

Sold by the metre.

Part No	Hose ID	Max Pressure Bar
56377	16mm	3
56378	19mm	3
56379	25mm	3
56380	38mm	3

GREAT VALUE!

Car Heater Hot Water Hose

Black hot water hose for transporting hot water between -45ºC to +120ºC. Made from black heat resistant and ozone resistant EDPM rubber. SAE J20 R3.

Sold by the metre.

Part No	Hose ID
89923	13mm
89924	16mm

Calorifier Hose

Type HWHOSE is made of EPDM rubber with an inlay of woven synthetic fabric. Suitable for drinking water and is temperature resistant between -30º and +160ºC.

Sold by the metre.

Part No	Hose ID	Max Pressure Bar
56384	13mm	8
56385	16mm	8

GREAT VALUE!

Lloyds Approved Exhaust Hose

Exhaust hose which has rubber lined walls with a galvanized steel reinforcing throughout.

Sold by the metre.

Part No	Hose ID
89922	19mm
89910	25mm
89911	32mm
89912	38mm
89913	45mm
89914	52mm
89918	76mm
89920	102mm

Rubber Exhaust Hose SLANG

Temperature resistant between -30º + 100ºC with brief temperatures of 115ºC.

Sold by the metre

Part No	Hose ID	Part No	Hose ID
56412	30mm	56419	76mm
56413	40mm	56420	90mm
56414	45mm	56421	102mm
56415	51mm	56422	110mm
56416	57mm	56423	125mm
56417	60mm		
56418	65mm		

Exhaust Hose

SLANG

Type SLANG exhaust hose is the most flexible hose because of the increased spiral reinforcement and the extremely supple rubber. The completely smooth inside of the hose will reduce back pressure in the engine. Exhaust hoses with an internal diameter up to Ø152mm have a bending radius of more than 1.5 X the diameter. Exhaust hoses with an internal diameter of more than Ø152mm have a bending radius of twice the diameter.

30 - 50 = 4 Bar Max Pressure

57 - 75 = 3.3 Bar Max Pressure

90 - 203 = 2 Bar Max Pressure

Type SLANG is Lloyd's Registered and meets the requirements of the SAE J2006 R2 standard.

Cooling Water Hose

MWHOSE

Type MWHOSE is made of EPDM rubber with synthetic fabric and spiralled stainless steel reinforcement. Suitable for cooling water, both suction and pressure (max. 2,5 bar), salt and fresh water.

Temperature resistant between -30º and +120ºC.

Sold by the metre

Part No	Hose ID	Max Pressure Bar
56388	19mm	2.5
56389	25mm	2.5
56390	32mm	2.5
56391	38mm	2.5
56392	51mm	2.5

Fuel Hose

For transportation of petrol and diesel fuels. The inside is made of NBR rubber and the outside of CR rubber. Can be used for transportation and as ventilation line. Particularly suitable for use of petrol because of low permeability.

Type FUHOSEA meets the CE standard: ISO 7840 marine fuel A1

Sold by the metre.

Part No	Hose ID	Max Pressure Bar
56360	6mm	10
56361	8mm	10
56362	10mm	10
56363	13mm	10
56364	16mm	10
56365	19mm	10
56366	25mm	10

GREAT VALUE!

Marine Grade Fuel Hose

ISO7840 Black NBR rubber fuel hose, abrasion, ozone and weather resistant. Neoprene rubber which is resistant to flame. -35ºC to +100ºC .

Sold by the metre.

Part No	Hose ID	Max Pressure Bar
89925	6mm	10
89926	8mm	10
89927	10mm	10
89928	13mm	10
89929	16mm	10
89930	19mm	10
89931	25mm	10
89932	38mm	10

All Hoses are sold by the metre.

Fuel Filling Hose

FFHOSE

Type FFHOSE is made of NBR rubber with spiralled stainless steel inlay. Suitable for petrol and diesel fuels. Resistant to temperatures of -30º and +100ºC.

Type FFHOSE meets requirements of SAE J 1527 and the standard ISO 7840 marine fuel A2.

Sold by the metre.

Part No	Hose ID	Max Pressure Bar
56395	38mm	4
56396	51mm	4

Fuel Delivery Hose

This hose is suitable for the medium duty suction and discharge of black fuel oils, gas oils, Kerosene, paraffin, hydraulic oils, mineral based oils, lubricating oils and greases. It is not suitable for benzene, xylol and aromatic solvents.

Sold by the metre.

Part No	Hose ID
90298	1" (25mm)
90300	1 1/2" (38mm)
90310	2" (51mm)
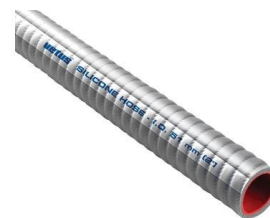
Silicone Hose - ISO13363 type Class B and SAE J 2006 R1 standards.

SIHOSE

Extremely high temperature resistant hose made of high grade silicone rubber with woven synthetic and an encapsulated stainless steel spiral with an external smooth gloss finish. The flexible hose is highly resistant to ageing and suitable for a wide range of applications (exhaust, cooling and waste water hose).

Temperature range of -54º to 177ºC. (intermittently up to 250ºC.

Sold by the metre.

Part No	Hose ID	Max Pressure Bar
56430	25mm	5.0
56431	32mm	4.5
56432	38mm	4.0
56433	51mm	4.0
56434	63mm	3.5
56435	76mm	3.5
56436	102mm	2.0

Gas Hose

HP BS3212/2

Sold by the metre.

Part No	Hose I.D.
11505	8mm
11506	10mm

Copper Tube

• Annealed soft copper tubing .

• Manufactured to BS EN 12735-1:2001

Available in 10m coils only.

Part No	OD X Length
11501	1/4" X 10m
11502	5/16" X 10m
11503	3/8" X 10m

Ventilator Hose BLHOSE

Type BLHOSE is made of a woven glass fibre fabric, impregnated with PVC.

Temperature resistant between -20º and +100ºC.

Part No	Size
56399	75mm x 10m
56400	103mm x 10m

Ducting Blower Hose

This hose is commonly used for engine room ventilation.

Part No	Size
89940	75mm x 6m
89941	102mm x 6m

Flexible suction/pressure hose

VHOSE

Part No	Size
56401	152mm
56402	178mm

Mikalor Stainless steel heavy duty hose clamps

The Supra W4 clamp complies fully with the RoHs directive EU 20032/95/EC dated 1st July 2006. The stainless steel bolt together with the captive nut and spacer system allow you to clamp the most demanding of hose assemblies. Supra W4 is a full stainless steel clamp, destined for demanding applications where high corrosion resistance is vital. This top of the range heavy-duty clamp is ideal for marine applications and the foodstuffs industry, as well as for countless industrial applications where AISI-304 stainless steel is specified.

Stainless Steel Heavy Duty Hose Clamps HCHDS

Part No	Size	Part No	Size	Part No	Size	Part No	Size	Part No	Size
56618	34-37mm	56624	55-59mm	56630	85-91mm	56636	121-130mm	56642	200-213mm
56619	37-40mm	56625	59-63mm	56631	91-97mm	56637	140-150mm	56643	213-226mm
56620	40-43mm	56626	63-68mm	56632	97-104mm	56638	150-162mm	56644	263 -276mm
56621	43-47mm	56627	68-73mm	56633	104-112mm	56639	162-174mm	56645	316-329mm
56622	47-51mm	56628	73-79mm	56634	130-140mm	56640	174- 187mm		
56623	51-55mm	56629	79-85mm	56635	112-121mm	56641	187-200mm		

JCS Hi-Torque Hose Clips

Available in 304 stainless steel, Hi-Torque hose clamps are specifically designed for use with tough, wire reinforced hoses that require higher sealing pressures, and for when an extra margin of safety and reliability is required.
TYPE HTM - STAINLESS STEEL 304 All parts BS304 - EN 1.4301/1.4576

Part No	Size		Part No	Size
90200	30mm		90204	70mm
90201	45mm		90205	90mm
90202	50mm		90206	115mm
90203	65mm			

JCS Hi-Grip general purpose worm drive hose clips are widely regarded for their quality, durability and ability to withstand a great deal of abuse. They are manufactured to exceed BS5315, which has the highest requirements of any of the international standards and tests sealing ability, clamping force and torque. Also has BSI Kitemark and NATO approval, and exceeds all operational requirements of the relevant DIN and SAE standards. 304 STAINLESS STEEL (A2) Hi-Grip stainless steel worm drive hose clips have become the industry standard for demanding applications throughout the world due to their exceptional quality and performance. Made entirely from 18/8 marine quality stainless steel and with Lloyds Register Approval, they are ideal for salt water and other corrosive environments.

Size	To Fit Hose OD (mm)	Part No	Size	To Fit Hose OD (mm)	Part No
12	9.5 - 12	90000	45	35 - 45	90080
16	11 - 16	90010	50	35 - 50	90090
20	13 - 20	90020	55	40 - 55	90100
22	14 - 22	90030	60	45 - 60	90110
25	17 - 25	90040	70	55 - 70	90120
30	22 - 30	90050	80	60 - 80	90130
35	25 - 35	90060	90	70 - 90	90140
40	30 - 40	90070	100	80 - 100	90150

JCS Hose clips discount = 20% below 10 / 50% over 10 (10 in a box)

Flexible Drive Screwdriver

Screw driver with a hexagon socket head specifically designed to fit JCS hose clips. This tool has a flexible shaft to aid access to awkwardly positioned hose clips.

Part No	Description
90155	Flexible Drive Screwdriver

JCS Multi-Torque 1m Coil

By simply cutting off the required length from a continuous banding roll and engaging one end of the band into each housing of the MULTI-TORQUE connector a hose clamp is made. This kit contains one connector and a 1m coil.

Part No
90151

JCS P Clip Stainless Hose Clips

P-Clips For Pipes, Cables And Hoses

JCS rubber-lined P-Clips are tough and durable, providing a simple and secure fixing solution for even the most challenging of environments. Available in two accurately sized ranges for 6mm and 10mm bolts in both Zinc plated Mild Steel and 304 Stainless Steel. TPE liners are available for both standard and high temperature applications. The standard P clip is supplied with a TPE rubber liner which prevents chafing or damage to the surface of the item being clamped.

To Fit Hose OD (mm)	Part No	To Fit Hose OD (mm)	Part No	To Fit Hose OD (mm)	Part No
5	90178	16	90185	32	90192
6	90179	19	90186	35	90193
8	90180	21	90187	40	90194
9	90181	22	90188	44	90195
10	90182	25	90189	48	90196
12	90183	28	90190		
13	90184	29	90191		
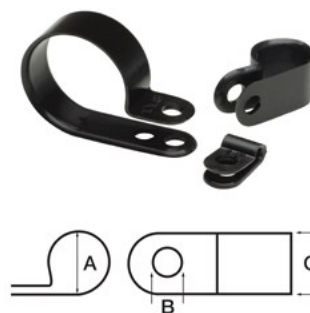
Nylon Fixing Clips

1001 uses on the boat, the caravan or in the home.

Part No	To Fit Hose OD
90170	1/2" (12mm)
90171	5/8" (16mm)
90172	3/4" (19mm)
90173	1" (25mm)
90174	1 1/4" (32mm)
90175	1 1/2" (38mm)

Strong White Tube Clip

Spring clips, suitable for holding poles, oars, boat awnings, boat hooks, fishing rods, etc

Part No	Description
96321	16/18mm
96322	19/20mm
96323	22/24mm
96324	25/26mm
96325	28/30mm

Nylon P clips for fixing cables, conduits etc.

Part No	A (height)	B (hole size)	C (width)
70740	3.2mm	5.2mm	13.2mm
70741	4.5mm	5.2mm	9.7mm
70742	6.3mm	5.2mm	9.7mm
70743	7.6mm	4.8mm	9.7mm
70744	9.3mm	4.8mm	9.7mm
70745	12.6mm	5.2mm	12.8mm
70755	15.8mm	4.6mm	12.0mm
70756	19mm	5.3mm	12.0mm
70757	25.4mm	4.6mm	12.0mm
70758	28.6mm	4.6mm	12.7mm

Black Cable Ties
Manufactured in nylon MIL standard specification M20693B. Tensile strength to MIL standard specification S23190E and flammability to UL94V2

Sold each or in bags of 100

Part No	Width	Length
69550	2.5mm	80mm
69551	2.5mm	100mm
69552	3.6mm	140mm
69553	3.6mm	200mm
69554	3.6mm	300mm
69555	4.8mm	120mm
69556	4.8mm	160mm
69557	4.8mm	200mm
69558	4.8mm	300mm
69559	4.8mm	370mm
69560	7.6mm	200mm
69561	7.6mm	300mm
69562	7.6mm	368mm
69563	9mm	430mm
69564	9mm	526mm
69565	9mm	780mm

Cable Tie Fixing

2 way and 4 way cable tie mounts with a self adhesive base. Alternatively the mount can be fixed by using a self tapping screw (not inc) through the hole in the centre.

Sold Each or in bags of 100

Part No	Maximum Cable Tie Size (mm)	Base Size (mm)	Fixing Hole Size (mm)
69570	4.8mm	19.0 x 19.0mm	3.5mm
69571	4.8mm	28.0 x 28.0mm	5.7mm

Cable Tie Cradle

Cable tie cradle suitable for the larger ties. The cradle is fixed to a firm surface using a self tapping screw (not inc)

Sold Each or in bags of 100

Part No	Maximum Cable Tie Size (mm)	Base Size (mm)	Fixing Hole Size (mm)
69572	9.0mm	21.9 x 15.9mm	5.0mm

Cable Tie Eyelet

Cable tie eyelet suitable for fixing cable ties securely to a firm surface. This can be fixed using a self tapping screw (not inc).

Sold Each or in bags of 100

Part No	Maximum Cable Tie Size (mm)	Base Size (mm)	Fixing Hole Size (mm)
69573	5.0mm	20.0 x 10.0mm	4.3mm

Bronze Skin Fitting

Part No	BSP	Part No	BSP
10835	1/2"	10839	1 1/2"
10836	3/4"	10840	2"
10837	1"	10801	2 1/2"
10838	1 1/4"	10841	3"
		10842	4"

Bronze Skin Fitting & Hose Tails

Bsp thread x hose tail size

Part No	BSP	Part No	BSP
10843	1/2" X 3/4"	10847	1 1/2" X 1 3/4"
10844	3/4" X 7/8"	10848	2" 2 1/4"
10845	1" X 1 1/4"	10849	3"
10846	1 1/4" X 1/12"	10850	4"

Bronze Long Skin Fitting

Part No	BSP	Thread Length
10857	3/4"	120mm
10858	1"	120mm
10859	1 1/4"	120mm
10860	1 1/2"	120mm

Bronze Deck Drain

Part No	BSP	Part No	BSP
10861	1/2"	10865	1 1/2"
10862	3/4"	10866	2"
10863	1"	10867	3"
10864	1 1/4"	10868	4"

Bronze Scoop Strainer

Part No	BSP	Part No	BSP
10851	1/2"	10854	1 1/4"
10852	3/4"	10855	1 1/2"
10853	1"	10856	2"

Bronze Skin Fitting
+ anti rotation nib

Part No	BSP	Thread Length
10000	1/2"	2" (51mm)
10010	3/4"	2 1/2" (64mm)
10020	1"	2 3/4" (70mm)
10030	1 1/4"	3" (76mm)
10040	1 1/2"	3" (76mm)
10041	2"	3 1/2" (89mm)

Bronze Ball Valve & Stainless Steel Handle

Part No	BSP
10976	1/4"
10977	3/8"
10978	1/2"
10979	3/4"
10980	1"
10981	1 1/4"
10982	1 1/2"
10983	2"
10802	2 1/2"
10984	3"
10985	4"

Full Bronze Ball Valve , Bronze Handle + Acetal Ball

Part No	BSP
10060	1/2"
10061	3/4"
10062	1"
10063	1 1/4"
10064	1 1/2"
10065	2"

Full Bronze Flange Ball Valve , Bronze Handle + Acetal Ball

Part No	BSP
10042	1/2"
10043	3/4"
10044	1"
10045	1 1/4"
10046	1 1/2"
10047	2"

The brand new Full Bronze Ball Valve is available in sizes from ½" to 2" BSP and features a polymer ball. All other components that are in contact with saltwater are made from Bronze (body, coupling, stem and gland). The handle can be repositioned to invert the direction of movement, solving installation issues. The valve will also be available with position sensors and flange mounting.

Full Bronze Ball Valve , Bronze Handle + Acetal Ball + Position Sensor

Part No	BSP
10081	3/4"
10082	1"
10083	1 1/4"
10084	1 1/2"
10085	2"

Full Bronze Flange Ball Valve , Bronze Handle + Acetal Ball + Position Sensor

Part No	BSP
10071	3/4"
10072	1"
10073	1 1/4"
10074	1 1/2"
10075	2"

CR Brass Ball Valve & Stainless Steel Handle

Part No	BSP
10770	3/8"
10771	1/2"
10772	3/4"
10773	1"
10774	1 1/4"
10775	1 1/2"
10776	2"

ISIS DZR Ball Valve & Steel Handle (Hattersley Type)

Part No	BSP
10581	1/4"
10582	3/8"
10583	1/2"
10584	3/4"
10585	1"
10586	1 1/4"
10587	1 1/2"
10588	2"

Bronze Gate Valve

Part No	BSP
10986	1/4"
10987	3/8"
10988	1/2"
10989	3/4"
10990	1"
10991	1 1/4"
10992	1 1/2"
10993	2"
10994	3"
10995	4"

Bronze Hose Connector

Part No	BSP Thread x Hose Size
10966	1/2" x 19mm
10967	3/4" x 19mm
10968	3/4" x 25mm
10969	1" x 25mm
10970	1" x 32mm
10971	1 1/4" x 32mm
10972	1 1/4" x 38mm
10973	1 1/2" x 38mm
10974	1 1/2" x 50mm
10975	2" x 51mm
10803	2 1/2" x 63mm
10997	3" x 75mm

CR Brass Male Hose Tails

Part No	BSP	Part No	BSP	Part No	BSP
10740	1/8" x 5mm	11807	3/8" x 12mm	11823	3/4" x 16mm
10741	1/8" x 6mm	11808	3/8" x 13mm	11842	3/4" x 19mm
10742	1/8" x 8mm	11811	3/8" x 16mm	11824	3/4" x 20mm
10743	1/8 x 10mm	11813	3/8" x 20mm	11844	3/4" x 25mm
11800	1/4" x 6mm	11814	1/2" x 8mm	11846	1" x 25mm
11801	1/4" x 8mm	11815	1/2" x 10mm	11848	1 1/4" x 32mm
11802	1/4" x 10mm	11817	1/2" x 13mm	11850	1 1/2" x 38mm
11803	1/4" x 12mm	11820	1/2" x 16mm	11852	1 1/2" x 40mm
11804	1/4" x 13mm	11840	1/2" x 20mm	11854	2" x 51mm
11805	3/8" x 8mm	11821	3/4" x 10mm		
11806	3/8" x 10mm	11822	3/4" x 13mm		

CR Brass Female Hose Tails

Part No	BSP	Part No	BSP
10750	1/4" x 8mm	10760	3/4" x 25mm
10751	1/4" x 10mm	10761	1" x 25mm
10752	3/8" x 10mm	10762	1" x 30mm
10753	3/8" x 13mm	10763	1 1/4" x 30mm
10754	1/2" x 10mm	10764	1 /14 x 32mm
10755	1/2" x 13mm	10765	1 1/4" x 38mm
10756	1/2" x 16mm	10766	1 1/2" x 38mm
10757	1/2" x 20mm	10767	1 1/2" x 50mm
10758	3/4" x 16mm	10768	2" x 50mm
10759	3/4" x 20mm		

CR Brass 45 degree Female/Female Elbow

Part No	BSP	Part No	BSP
10573	3/8"	10577	1 1/4"
10574	1/2"	10578	1 1/2"
10575	3/4"	10579	2"
10576	1"		

Standard 90 degree Hose Connector

Standard type - Cast in LG2 GM. Threaded parallel BSP. Thread size equivalent to ID hose size.

Part No	BSP	Type
10100	1/2"	90°
10101	3/4"	90°
10102	1"	90°
10103	1 1/4"	90°
10104	1 1/2"	90°
10105	2"	90°

Standard Straight Connector

Standard type - Cast in LG2 GM. Threaded parallel BSP. Thread size equivalent to ID hose size.

Part No	BSP	Type
10107	1/4"	Straight
10109	1/2"	Straight
10110	3/4"	Straight
10120	1"	Straight
10130	1 1/4"	Straight
10140	1 1/2"	Straight
10141	2"	Straight

CR Brass Y Connector

Corrosion Resistant Brass Y connector

Part No	Description
10791	1 1/4 Y connector

CR Brass 45 degree Male/Female Elbow

Part No	BSP	Part No	BSP
10784	3/8"	10788	1 1/4"
10785	1/2"	10789	1 1/2"
10786	3/4"	10790	2"
10787	1"		

Bronze Elbow Connector M/F

Part No	BSP	Part No	BSP
10887	3/8"	10892	1 1/2"
10888	1/2"	10893	2"
10889	3/4"	10894	3"
10890	1"	10895	4"
10891	1 1/4"		

Bronze Elbow Connector F/F

Part No	BSP	Part No	BSP
10878	3/8"	10883	1 1/2"
10879	1/2"	10884	2"
10880	3/4"	10798	2 1/2"
10881	1"	10885	3"
10882	1 1/4"	10886	4"

Bronze Straight Connector F/F

Part No	BSP	Part No	BSP
10869	3/8"	10874	1 1/2"
10870	1/2"	10875	2"
10871	3/4"	10876	3"
10872	1"	10877	4"
10873	1 1/4"		

Bronze Female Equal Tee Connector

Part No	BSP	Part No	BSP
10896	3/8"	10901	1 1/2"
10897	1/2"	10902	2"
10898	3/4"	10797	2 1/2"
10899	1"	10903	3"
10900	1 1/4"	10904	4"

CR Bronze Manifold

Part No	BSP
56590	3/4" Manifold 2 x 1/2" Female
56591	3/4" Manifold 3 x 1/2" Female
56592	1" Manifold 2 x 3/4" Female
56593	1" Manifold 3 x 3/4" Female

Bronze Female Swing Check Valve

Part No	BSP
10590	3/4"
10591	1"
10592	1 1/4"
10593	1 1/2"

Bronze Hex Equal Nipple M/M

Part No	BSP	Part No	BSP
10921	3/8"	10926	1 1/2"
10922	1/2"	10927	2"
10923	3/4"	10928	3"
10924	1"	10929	4"
10925	1 1/4"		

Bronze Reducing Nipple M/M

Part No	BSP
10913	1/2" x 3/8"
10914	3/4" x 3/8"
10915	3/4" x 1/2"
10710	1" x 3/8"
10916	1" x 1/2"
10917	1" x 3/4"
10918	1 1/4" x 1"
10919	1 1/2" x 1 1/4"
10920	2" x 1 1/2"

Bronze Reducer F/M

Part No	BSP
10930	1/2" x 3/8"
10931	3/4" x 1/2"
10932	1" x 3/4"
10933	1 1/4" x 1"
10711	1 1/2" x 1"
10934	1 1/2" x 1 1/4"
10712	2" x 1"
10935	2" x 1 1/2"

Bronze Reducing Bush M/F

Part No	BSP	Part No	BSP
10730	1/4" x 1/8"	10700	1 1/4" x 1/2"
10731	3/8" x 1/8"	10701	1 1/4 x 3/4"
10732	3/8" x 1/4"	10910	1 1/4" x 1"
10733	1/2" x 1/4"	10702	1 1/2" x 1/2"
10905	1/2" x 3/8"	10703	1 1/2" x 3/4"
10906	3/4" x 3/8"	10704	1 1/2" x 1"
10907	3/4" x 1/2"	10911	1 1/2" x 1 1/4"
10734	1" x 3/8"	10705	2" x 1 1/4"
10908	1" x 1/2"	10912	2" x 1 1/2"
10909	1" x 3/4"	10796	2 1/2" x 2"

Bronze Reducer F/F

Female/Female	
Part No	BSP
10489	1/2" x 3/8"
10490	3/4" x 1/2"
10491	1" x 3/4"
10492	1" x 1/2"
10493	1 1/4" x 1"

Corrosion Resistant Reducer F/F

Female/Female	
Part No	BSP
10494	1 1/2" x 3/4"
10495	1 1/2" x 1"
10496	1 1/2 x 1 1/4"

Bronze / CR Brass Blanking Cap

Part No	BSP
10944	3/8" Bronze
10945	1/2" Bronze
10946	3/4" Bronze
10947	1" Bronze
10948	1 1/4" CR Brass
10949	1 1/2" CR Brass
10950	2" CR Brass

Bronze Blanking Plug

Part No	BSP
10936	1/4"
10937	3/8"
10938	1/2"
10939	3/4"
10940	1"
10941	1 1/4"
10942	1 1/2"
10943	2"

Bronze Solid Male Plug Hexagon Head

Part No	BSP
10735	1/2"
10736	3/4"

Bronze Back Nut

Part No	BSP
10952	1/2"
10953	3/4"
10954	1"
10955	1 1/4"
10956	1 1/2"
10957	2"
10958	3"
10959	4"

Bronze Intake Scoop

Part No	BSP
10960	1"
10961	1 1/4"
10962	1 1/2"
10963	2"
10964	3"
10965	4"

316 SS Skin Fittings

Part No	BSP
76330	3/8"
76332	1/2"
76334	3/4"
76336	1"
76338	1 1/4"
76340	1 1/2"
76342	2"

Stainless Steel 316 Ball Valve

Part No	BSP
56487	3/8"
56488	1/2"
56489	3/4"
56490	1"
56491	1 1/4"
56492	1 1/2"
56493	2"

316 Stainless Steel Hose Tail

Part No	BSP
56472	1/2"
56473	3/4"
56474	1"
56475	1 1/4"
56476	1 1/2"
56477	2"

Mini Skin Fitting

10mm Mini Skinfitting

AISI 316

Part No
76505

10mm Mini Deck Drain AISI 316

Part No
76506

Stainless Steel 316 Skinfitting & Hose Tail

Part No	BSP x Hose Tail
76500	1/2" x 18mm
76501	3/4" x 24mm
76502	1" x 30mm
76503	1" x 39mm

Brass Male Female Mini Ball Valve

Part No	BSP
10777	1/4"
10778	3/8"
10779	1/2"

Fuel Primer Bulbs

Part No	Description
11762	8mm Fuel Primer Bulb
11763	10mm Fuel Primer Bulb

Fuel Inline Check Valves

Part No	Description
10280	8mm
10281	10mm
10282	12mm

Soft Copper Tube

10 metre lengths

Part No	OD X Length
11501	1/4" X 10m
11502	5/16" X 10m
11503	3/8" X 10m

Copper Clips

Part No	Size
11770	1/4"
11771	5/16"
11772	3/8"

Pack of 10

Copper Washers

For BSP male thread.

Part No	To Fit BSP
11700	1/4"
11701	3/8"
11702	1/2"

Orange Gas Hose

Gas Hose	
HP BS3212/2	
Sold by the metre.	
Part No	Hose I.D.
11505	8mm
11506	10mm

Gas Regulators

Part No	Description
11507	Butane Regulator 5/16"
11508	Camping Gaz Regulator

- For rubber hose.
- Bulkhead thickness 1⁄4" max

Bulkhead Nozzle

Part No	Description
11784	5/16" x 3/8" Hose
11785	3/8" x 3/8" Hose

Stop End Coupling

Part No	Tube OD
11747	1/4"
11748	5/16"
11749	3/8"

Flexible Gas Hose

Part No	Spigot Size	Length	Part No	Spigot Size	Length
11730	1/4"	36"	11738	1/4"	18"
11731	5/16"	36"	11739	5/16"	18"
11732	3/8"	36"	11746	3/8"	18"
11733	1/2"	36"			

Made in high pressure orange hose (not to exceed 17.5 Bar) and fitted with copper extension spigots held by swaged S/S ferrules. RCD and BSS approved up to 1m. S/S metal braided outer for use in installations where hose is subject to movement abrasion.

Compression Fittings

Straight Couplings
(Equal and Reducing)

Part No	Tube OD x Tube OD
11520	1/4" x 1/4"
11523	5/16" x 1/4"
11524	5/16" x 5/16"
11526	3/8" x 1/4"
11527	3/8" x 5/16"
11528	3/8" x 3/8"
11529	1/2" x 1/4"
11530	1/2" x 5/16"
11531	1/2" x 3/8"

Male Stud Couplings

Part No	Tube OD x BSP Male
11540	1/4" x 1/4"
11541	1/4" x 3/8"
11542	1/4" x 1/2"
11544	5/16" x 1/4"
11545	5/16" x 3/8"
11546	5/16" x 1/2"
11547	3/8" x 1/4"
11548	3/8" x 3/8"
11549	3/8" x 1/2"

Elbow Couplings

Part No	Tube OD x Tube OD
11560	1/4" x1/4"
11561	5/16" x 1/4"
11562	5/16" x 5/16"
11563	3/8" x 3/8"

Male Stud Elbow Couplings

Part No	Tube OD x BSP Male
11572	5/16" x 1/4"

Female Stud Elbow Couplings

Part No	Tube OD x BSP Female
11565	5/16 " x 1/4"

Compression Fittings

Tee Couplings

Part No	Tube OD x Tube OD x Tube OD
11592	1/4" x 1/4" x 1/4"
11593	5/16" x 5/16" x 5/16"
11594	3/8" x 3/8" x 3/8"

Female / Female Connectors

Part No	BSP x BSP
11580	1/4" x 1/4"
11582	3/8" x 1/4"
11583	3/8" x 3/8"
11584	1/2" x 1/4"
11585	1/2" x 3/8"

Female Hose Connectors

Part No	BSP X Hose ID
11615	1/4" x 3/8"
11616	3/8" x 3/8"

Mini Gas Ball Valve Compression Fitting

Part No	Tube OD
11619	5/16" x 5/16"
11620	3/8" x 3/8"

Test Point Elbows

Part No	Tube OD
11611	1/4"
11612	5/16"
11613	3/8"

Test Point Unions

Part No	Tube OD
11625	5/16"
11626	3/8"
11627	1/2"

Equal Bulkhead Couplings

Part No	Tube OD x Bulkhead Thickness
11602	1/4" x 3/8"
11603	1/4" x 5/8"
11606	5/16" x 5/8"
11607	3/8" x 3/8"
11608	3/8" x 3/4"
11609	1/2" x 1/2"
11610	1/2" x 3/4"

UNF Compression Fitting

Part No	Thread x Tube OD
11775	1/2" x 5/16"
11776	1/2" x 3/8"

Stem Nozzle Adaptors

Part No	Hose ID
11780	5/16"
11781	3/8"

Titan Fuel Hose Assemblies

Copper Compression Ring
Spare Olives.
Sold in packs of 10.

Part No	Tube OD
11790	1/4"
11791	5/16"
11792	3/8"

TITAN FUEL HOSE ASSEMBLIES
BS EN ISO 7840 CLASS A1
These hoses completely meet the EC Recreational Craft Directive, which is a rarity being tested by B.S.I. and given an EC type examination certificate by Lloyds register in order to totally comply with the regulation, unlike many marketed. In most cases 'TITAN' greatly exceeded the test requirements.

Specification:
Special nitrile rubber inner metal braided and then sleeved to show specification. The ends have heavy copper extension spigots swaged in brass with hexagon collar for securing when fitting to compression fittings.

Part No	Spigot Size	Length
11710	1/4"	12" (305mm)
11712	1/4"	18" (457mm)
11717	5/16"	12" (305mm)
11719	5/16"	18" (457mm)
11724	3/8"	12" (305mm)
11726	3/8"	18" (457mm)

Hinged Rectangular 1 Burner

Made of polished stainless steel, fitted with folding tap, pot holder and tempered glass cover.

Part No	Description
96402	Hinged Rectangular Burner

Spare Tap

For folding sink.

Part No	Description
96435	Spare Tap

2 Burner Gas Cooktop Hob

Equipped with thermocouple. Gas hob with pyroceram burners. outside 500x300mm. recess 480x250mm. Power W 1750+3000.

Part No	Description
96420	2 Burner Gas Cooktop Hob
96401	Single Pot Holder
96421	Double Pot Holder

Ceramic Induction Hob

Inductive heating only heats the surface in contact with the saucepan therefore it implies a high energy saving. Stainless steel structure. Touch screen control. 2 Plate. Voltage 220V. Watts 1300 + 2200. outside 500 x 290mm. recess 470 x 260mm.

Part No	Description
96424	Ceramic Induction Hob
96425	Double Pot Holder

Straight Polypropylene Hose Tail

PolyPropylene Hose Tail Adaptors

1 side bsp male thread the other side hose adaptor.

Part No	Description
96200	1/2" x 13mm hose tail
96202	1/2" x 20mm hose tail
96204	3/4" x 20mm hose tail
96206	3/4" x 25mm hose tail
96208	1" x 25mm hose tail
96212	1 1/2" x 38mm hose tail

Plastic Ball Valve

Plastic Female/Female Ball Valve

Made of polypropylene, fitted with nylon internal sphere; sturdy and safe.

Part No	BSP
96190	1/2"
96192	3/4"
96194	1"
96196	1 1/2"

White Plastic Skinfitting 90 Degree

Made of white plastic, fitted with 90° hose adapter, complies with EC standards only for usage above the waterline

Part No	Type	Thread Ø mm	Length mm	Hose adaptor mm
96160	1"	33	36	19mm
96161	1"	33	36	25mm
96162	1 1/2"	47	40	38mm
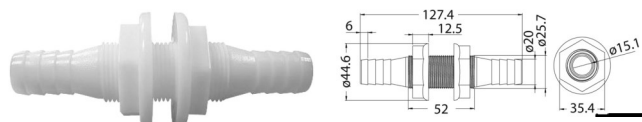
Nylon thru-hull fitting 19/20mm

Part No	Description
10239	Nylon Bulkhead fitting 19/20mm

Composite Straight Skin Fittings & SS Cap

Straight Skin Fittings moulded in fibre reinforced Acetal with a beautifully polished stainless steel cap that is ultrasonically welded onto the flange. Light weight and highly corrosion resistant.1 1/4" Hull Thickness. (1 7/8" for 11/2" and 2" versions).

Part No	Description
76176	Skin Fitting 5/8"
76178	Skin Fitting 3/4"
76180	Skin Fitting 1"
76182	Skin Fitting 1 1/8"
76184	Skin Fitting 1 1/2"
76175	Skin Fitting 2"

Composite 90 Degree Skin Fittings & SS Cap

90 Degree Skin Fittings moulded in fibre reinforced Acetal with beautifully polished stainless steel cap that is ultrasonically welded onto the flange. Light weight and highly corrosion re-sistant. 1 1/4" Hull Thickness.

Part No	Description
76168	Skin Fitting 90 degree 3/4"
76170	Skin Fitting 90 degree 1"
76172	Skin Fitting 90 degree 1 1/8"
76174	Skin Fitting 90 degree 1 1/2"

White Plastic Skinfitting Straight

Made of white plastic, fitted with a hose adaptor (complies with EC standards only for usage above the waterline).

Part No	Thread	A mm	B m (Hose Adaptor)	C mm	D mm
96150	1/2"	22	15	75	43
96151	3/4"	26	19	83	51
96152	1"	32	25	94	62
96153	1 1/2"	48	38	104	78
96154	1 1/4"	41	30	94	67
96155	2"	56	51	116	74

Nylon Deck Drain

To fit 1 1/4" or 1 1/2" Hose

Thread length 47mm.

Part No	Description
10238	Nylon Deck Drain

25mm Side Sink Drain

Made of stainless steel and moplen; includes plug handle. Grating Ø mm 70

Part No	Description
96436	25mm 90 degree drain

Composite Deck Drain

90 Degree Composite Deck Drain

Stainless & Reinforced Nylon Deck Drain

With removable centre piece for easy access. 2 x Mounting Spacers included. 6mm Each, Face 56mm Diameter. Extremely Low Profile (1mm) to prevent sitting water. Length OA 70mm (80mm for 90 Degree unit). To Fit Deck Material 10mm - 25mm

Part No	Description
96558	1" Composite Deck Drain

Nylon Drain Plug
Suitable for Dinghies

Part No	Centres
10780	40mm

Nylon Drain Plug / Chrome Body
Large drain plug, with base 32mm

Part No	Description
76078	Nylon Drain Plug Brass Base

Stainless Oval Bilge Drain Plug
316 Stainless Steel .
Flange 43x64mm
Hole Ø 32mm

Part No	Description
76322	Oval Drain Plug SS 316

Garboard Drain 316 Stainless Steel
Comes with built in security cable.

With manual T opening.

Flange Ø 55mm

Recess bore Ø 29mm

Part No	Description
76070	T Bar Opening

Cast Bronze Drain Plugs
Cast in gunmetal unpolished.
Fitted with neoprene washer.

Part No	Bore	Cut Out Diameter	Flange Diameter	Hull Thickness
10794	1/2" 12mm	3/4" 19mm	1 5/8" 42mm	5/16" 8mm
10795	3/4" 19mm	1" 25mm	2" 50mm	3/8" 10mm
10800	1" 25mm	1 3/16" 30mm	2 1/8" 54mm	3/8" 10mm

Garboard Drain Screw Open
316 Stainless Steel

Comes with built in security cable.
Screwdriver opening.

Flange Ø 55mm

Recess bore Ø 29mm

Part No	Description
76072	SS Screw Opening

Flip-Lock Handle Drain Plug
Includes a 1" Nylon Skin Fitting with a
Stainless Steel cap.

Part No	Description
76398	Flip Lock Handle Drain Plug 1"

Universal Drain Plugs
A universally applicable lens plug that can be
turned or plugged in easily in the opening and by
switching the handle it expands and thereby
seals.

Part No	Description
10781	Universal Drainplug Set 1/2" 5/8" 3/4"
10782	Universal Drainplug 1"
10783	Universal Drainplug 1 1/4"

Softwood Safety Plugs
Different sizes for plugging
hull or skin fitting. 8-38 mm.
Package: 10 pcs.

Wooden bungs.

Part No
90510

Wooden Drain Plugs/Bungs
Wooden set of drain plugs
5-28mm (Set of 10 pieces).

Part No
90511

Nylon White Fuel /Water Fillers

Flange 88mm

Neck Length 65mm

Neck 50mm

Part No	Description
10242	Fuel Filler Red 2"
10245	Fuel Filler Green 1 1/2"
10250	Water Filler Blue 1 1/2"

Locking Fuel Fillers

316 Stainless Steel, fitted with corrosion resistant, stainless cylinder lock. When locked the threads are disengaged and the cap will rotate freely but cannot be removed.

Part No	Description
76362	Locking Deck Fill Diesel 1 1/2"
76364	Locking Deck Fill Petrol 1 1/2"
76366	Locking Deck Fill Diesel 2"
76368	Locking Deck Fill Petrol 2"

Chrome Plated Filler Caps

Part No	Vetus	Description
56676	FCAPWATER	Water 38mm
56677	FCAPDF38	Fuel 38mm
56678	FCAPDF50	Fuel 51mm
56679	CAPWC38	WC Waste Extraction 38mm

Vetus Stainless Steel Filler Caps

Stainless steel (AISI 316) deck entries .
Cap size 86.5 mm

With high-gloss polished watertight cover.

Deck entry key for slotted deck entries. Also suitable for deck entries with an octagonal recess.

Part No	Vetus	Description
56661	CAPW38S	Water 38mm
56662	CAPG38S	Unleaded Petrol 38mm
56663	CAPF38S	Diesel 38mm
56664	CAPF51S	Diesel 51mm
56665	CAPWC38S	WC Waste Extraction 38mm
56666	KEY1	Key

Overflowing fuel or foam collector.

The fuel splash-stop is connected right under the deck filler plate to ensure that overflowing fuel or foam cannot flood onto the deck. The excess diesel or petrol fuel is collected in a parallel hose which functions as a reservoir, returning the fuel back into the tank. Capacity: 2 ltr p/mtr

Part No	Description	Vetus
56323	51mm x 19mm	FSA5119
56320	38mm x 16mm	FSA3816

Straight Connectors
Colours may vary

Part No	Hose Size
10811	1/2" (13mm)
10812	3/4" (19mm)
10813	1" (25mm)
10814	1 1/4" (32mm)
10815	1 1/2" (38mm)

Nylon Elbow Connectors
Colours may vary

Part No	Hose Size
10805	1/2" (13mm)
10806	3/4" (19mm)
10807	1" (25mm)
10808	1 1/4" (32mm)
10809	1 1/2" (38mm)

Tee Connectors
Colours may vary

Part No	Hose Size
10816	3/8" (10mm)
10817	1/2" (13mm)
10818	3/4" (19mm)
10819	1" (25mm)
10820	1 1/4" (32mm)
10821	1 1/2" (38mm)

"Y" nylon joints for water hoses
Colours may vary

Part No	Description
10828	5/16" (8mm)
10829	3/8 (10mm)
10830	1/2 (13mm)
10831	3/4 (19mm)

Hose Adaptors (Step downs)

Part No	Description	Vetus
56705	13-38mm	HA1338
56706	30-60mm	HA3060

Universal Hose Adaptors (Step downs)
13/16/19/22/25/28.5/32/38mm

Part No	Description
56705	13-38mm

Nylon cylindrical water hose joint
Straight connector that can be uncoupled.

Part No	Description
96175	12mm Straight Connector
96177	20mm Straight Connector
96179	25mm Straight Connector

Plastic Hose Connectors
PVC –Straight

Part No	Description	Vetus
56710	40mm Straight	SLVBR40K
56711	45mm Straight	SLVBR45K
56712	50mm Straight	SLVBR50K
56713	60mm Straight	SLVBR60K
56714	65mm Straight	SLVBR65K
56715	75mm Straight	SLVBR75K
56716	90mm Straight	SLVBR90K
56717	100mm Straight	SLVBR100K
56718	110mm Straight	SLVBR110K
56719	125mm Straight	SLVBR125K
56720	150mm Straight	SLVBR150K

Plastic Hose Connectors
PVC - 60 Degree

Part No	Description	Vetus
56722	40mm (60 Deg)	SLVBG40K
56723	45mm (60 Deg)	SLVBG45K
56724	50mm (60 Deg)	SLVBG50K
56725	60mm (60 Deg)	SLVBG60K
56726	65mm (60 Deg)	SLVBG65K
56727	75mm (60 Deg)	SLVBG75K
56728	90mm (60 Deg)	SLVBG90K
56729	100mm (60 Deg)	SLVBG100K
56730	110mm (60 Deg)	SLVBG110K
56731	125mm (60 Deg)	SLVBG125K
56732	150mm (60 Deg)	SLVBG150K

Top Entry   Side Entry

Strum Boxes
Stops bilge debris from entering suction hoses and incorporates a non-return valve to prevent drain-back. Available in either top entry or side entry versions. Suitable for 25mm (1") or 38mm (1 1/2") hose.

Part No	Description
73031	Top Entry Strum Box
73030	Side Entry Strum Box

Stepped Non Return Valve

One Way Hose Connector made from sturdy polypropylene. A built in rubber flap allows water to flow in one direction only. Each section can be cut down to size of hose barb required.

Part No	Description
76186	1/2 - 3/4 - 1"
76188	1 - 1 1/4 - 1 1/2"

Stepped Y Piece

This is a new Water Manifold which has been carefully designed to reduce the weight and cost associated with traditionally fabricated water system manifolds. The complete Y-Piece operates with hose sizes of 3/4", 1" and 1 1/2" and is designed to simply cut it down to size

Part No	Description
76190	Y Piece Water Manifold 3/4-1-1 1/2"

Non-Return Valve

A simple way to stop flow back in a suction or discharge line. Designed to fit in-line and is suitable for 19mm (3/4"), 25mm (1") and 38mm (1 1/2") hose. Can be used with both electric and manual pumps.

Part No	Description
73038	19mm (3/4") Valve
73034	25 / 38mm (1" / 1 1/2") Valve

Diverter Valve

Allows one pump to draw from two locations. Features smooth Teflon lubricated lever operation and precision machining to prevent seepage and odour problems.

Part No	Description
73033	25mm (1") Valve
73032	38mm (1 1/2") Valve

Plastic Y Connector - Y3C

Does not come with hose connectors.

Part No	Description
56271	Plastic Y Connector

Neat plastic one-way valve for use in freshwater systems to help stop flow back. Especially useful with electric pumps. To fit 1/2" (12mm) hose.

Part No	Description
73155	1/2" Non-Return Valve

Plastic in-line non return valve

YNRE

Does not come with hose connectors.

Part No	Description
56272	Plastic Non Return Valve

Plastic Hose Connectors for 3 Way Valve, Plastic Y Connector & plastic non return valve

Part No	Description
56273	19mm pack of 1
56274	19mm pack of 2
56275	25mm pack of 1
56276	25mm pack of 2
56277	28mm pack of 1
56278	28mm pack of 2
56279	32mm pack of 1
56280	32mm pack of 2
56281	38mm pack of 1
56282	38mm pack of 2

Washdown Bayonet Fitting

When the bayonet fitting connects the washing hose, the device automatically opens and activates the pump.

Part No	Description
96110	Bayonet Washdown Flush Fitting

65 mm

82 mm

deck

Drawn from DWH Ospulati SpA

Plastic 3 Way Valve

Does not come with hose connectors.

Part No	Description
56270	Y3V Plastic three way valve

Stainless Steel Breather Nipple

The breathing capacity fulfils the CE requirements. Provided with an easily cleaned stainless steel (AISI 316) gauze, which functions as a flame arrester.

Part No	Size	Part No	Size
56448	16mm straight (AB16S)	56452	19mm angled (AB19B)
56449	16mm angled (AB16B)	56453	25mm angled (AB25B)
56450	19mm straight (AB19S)	56454	38mm angled (AB38B)

Air Vent Nipple

Suitable for Ø 16 mm internal diameter hose. In stainless steel (AISI 316).

Part No	Description
56457	Stainless Straight 16mm (ST04S)
56458	Stainless Angled 16mm (ST04HS)

Tank Vents

Chrome plated brass tank vents with fitted gauze and back nut.

Part No	Hose Dia	Aperture	Type
10260	5/8" (16mm)	3/4" (19mm)	Straight
10265	1/2" (13mm)	3/4" (19mm)	90°
10270	3/4" (19mm)	1" (25mm)	Straight

Fuel Breather Vents

Mirror polished AISI 316 stainless steel.

Fitted with flame-proof screen, detachable for easy maintenance. Designed in compliance with the requirements of the UNI EN ISO 21487 regulation.

Part No	Description
96463	19mm Vent 90 degree bend.
96464	16mm Vent 90 degree bend.

Part No	Description
10745	16mm Chrome Plated Breather Vent

Part No	Description
10303	Chrome Plated Brass Siphon Break Valve 1/2" X 3/8

Anti Syphon

Anti Syphon Vent Loop

Essential for safety when the toilet is mounted under the water level; supplied with vent valve. NB: These water traps are also suitable for onboard generator's cooling systems.

Part No	To Fit Hose Dia
10258	3/4"(19mm)
10259	1 1/2" (38mm)

Anti Syphon Device

Part No	Description
57576	13-32 with valve (ASDV)
57578	13-32 with valve + Hose (ASDH)

Part No	Description
10301	Brass Vent Loop 3/4"
10302	Brass Vent Loop 1"

Antisiphon device to be used on exhaust lines, seawater connectors and WCs installed under the floating line.

Part No	Description
96105	Anti Syphon device 13 - 32mm

Airvent

Part No	Description
57574	Airvent with Valve (AIRVENTV)
57575	Airvent with Hose (AIRVENTH)

Anti Syphon Device

Part No	Description
57579	With Valve 38mm (ASD38V)
57580	With Hose (ASD38H)

Blakes Toilet Seacock

Stainless steel grease nipple for in water maintenance. Positive on/off handle. Left or right hand operation. Suitable for GRP, steel, wood & ferrocement hulls. Complete with fixing bolts (3/4" has a strainer plate). Seacock material: DZR Brass (Lloyds approved). MOD (Ministry of Defence) Approved

Part No	To Fit Hose Dia	O.A. Height	O.A. Width	Max hull thickness	Flange Diameter
10675	3/4" (19mm)	94mm	147mm	37mm	83mm
10676	1 1/2" (38mm)	118mm	203mm	36mm	95mm

Part No	Description
10678	Handle for 3/4" Blakes seacock
10679	Handle for 1 1/2" Blakes seacock
10677	Fixing strainer plate + bolts for 3/4" Blakes seacock
10674	Fixing plate + bolts for 1 1/2" Blakes seacock

DIMENSIONS Popular Plus Seacocks	3/4" (19mm)	1 1/2" (38mm)
A	147	203
B	37	36
C	94	118
D	83	95
E	93	116
F	22	38
G	61	73

REVERSE HANDLE FOR LEFT OR RIGHT HAND OPERATION

POSITIVE ON/OFF HANDLE

VALVE PLUG CAN BE RESEATED IN BODY FOR LONG LIFE

HOSE CONNECTION BUILT IN FITS 3/4" (19mm) OR 1 1/2" (38mm) BORE HOSE

GREASE NIPPLE FOR IN-WATER MAINTENANCE

FIXING BOLTS & PLATE TAKE SIDEWAYS LOAD

MACHINED 75mm PHOSPHOR BRONZE BOLTS — CUP SQUARE OR COUNTERSUNK

ALTERNATIVE (STRAINER FIXING PLATE)

Blakes Seacock Grinding Paste

A Specifically and critically manufactured silicon carbide and lithium grease based grinding compound .

Part No	Description
10672	Medium 300 grams P120 Grit
10670	Fine 300 grams P220 Grit

Blakes Seacock Grease

Formulated for marine use with high adhesion properties and resistance to water wash out. Primarily designed to be used with the Blakes Seacocks, this quality grease can be used for many other similar marine applications on board your boat. Working temperature range -30°C to +70°C (-70°F to +160°F).

Part No	Description
10673	500g Blakes Grease

Bilge Water/Oil Separator

The filter element is replaceable and has a capacity of 320 grams, which is the average quantity of oil in 8.000 litres of bilge water. It will remove 95% of oil in the bilge water, with a maximum contamination level of 300 mg/l (p.p.m.) The bilge pump to be used in combination may have a maximum capacity of 25 litres/ minute. It has Ø 19 mm hose connections.

Part No	Description	Vetus
56228	Bilge Water/Oil Separator	BISEP19
56229	Replacement element (pack of 15)	BISEP19F2

No Smell Diesel Filter

Part No	Description (Length x Width x Height)	Vetus
56334	Small 16mm (107 x 111 x 111mm)	NSF16DS
56337	Large 16mm (148 x 150 x 162mm)	NSF16D
56338	Large 19mm (148 x 150 x 162mm)	NSF19D
56339	Large 25mm (148 x 150 x 162mm)	NSF25D
56218	Extra Element (pack of 3) Small	NSF16FES
56224	Extra Element (pack of 4) Large	NSF16FE

Small No Smell Filter

Part No	Description (Length x Width x Height)	Vetus
56217	Filter 16mm (107 x 111 x 111mm)	NSF16S
56218	Extra Element (pack of 3)	NSF16FES

No Smell Filters

The NSFCAN is pre-filled with activated carbon and special gel granules. This combination provides a revolutionary odour reduction. This type is used for NSFD and NSF filters.

The NSFCANS is pre-filled with activated carbon and special gel granules. This combination provides a revolutionary odour reduction. The filter is used for type NSF16DS and NSFS

Part No	Description	Vetus
56225	Large Filter	NSFCAN
56226	Small Filter	NSFCANS

Large No Smell Filter

Part No	Description (Length x Width x Height)	Vetus
56220	16mm (148 x 150 x 162mm)	NSF16
56221	19mm (148 x 150 x 162mm)	NSF19
56222	25mm (148 x 150 x 162mm)	NSF25
56223	38mm (148 x 150 x 162mm)	NSF38
56224	Extra Element (pack of 4)	NSF16FE

Water Strainers

Fishermans Strainer

Cast in LG2 gunmetal. BSP threaded. Complete with removable filter. Male/Female Connector.

Part No	BSP
10142	1/2"
10143	3/4"
10144	1"
10145	1 1/4"
10146	1 1/2"

Fishermans Strainer

Spare Metal Gauze.

Part No	BSP
10147	1/2"
10148	3/4"
10149	1"
10151	1 1/4"
10151	1 1/2"

Pisa Water Strainer

CR Brass bracket mounted water strainer 'PISA' with clear cap. Tested under RINA supervision for use on pleasure vessels .

Part No	Description
10832	Pisa Water Strainer 1/2"
10833	Pisa Water Strainer 3/4"

Bracket for bracket mounted water strainers.

Part No	Description
11835	Bracket 3/4" - 1"
11836	Bracket 1 1/4" - 1 1/2"

Venezia Water Strainer

CR Brass bracket mounted water strainer 'VENEZIA' with clear lid. Tested under RINA supervision for use on pleasure vessels

Part No	Description
11830	Venezia Water Strainer 3/4"
11831	Venezia Water Strainer 1"
11832	Venezia Water Strainer 1 1/4"
11833	Venezia Water Strainer 1 1/2"
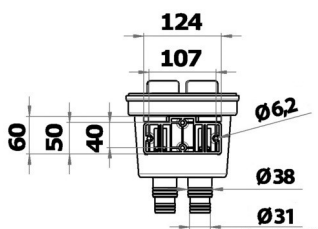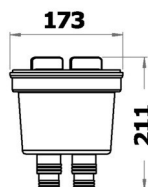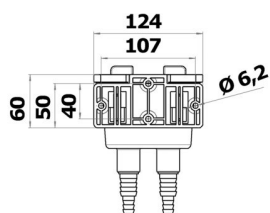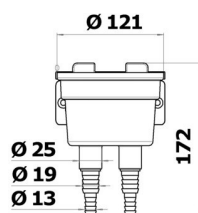
Aquanet Cooling Water Filter

Technopolymer case with transparent screw cap. Stainless steel pull-out filtering unit. With snap support for easy removal.

Part No	Description
96100	13/19/25mm Water Filter (150Ltr/min)
96101	32/38mm Water Filter (300Ltr/min)

Flush Mount Filter 19mm

For bilge pumps and showers

Prevents clogging from hair debris; fitted with clear plastic case for easy inspection; specially suitable for link rod pumps models Par, Fiamma, Flo-jet, Shurflo etc.

Part No	Description
96170	3/4" Flush Mount Filter

Plastic Cage Strainers - FTR140

Part No	Description	Litres/min	Vetus
57183	13mm Strainer	23	FTR140/13
57184	16mm Strainer	35	FTR140/16
57185	19mm Strainer	51	FTR140/19
57186	Spare Cover & O Ring		FTR14001
57182	Spare Cage		FTR41

Plastic Cage Strainers - FTR330

Part No	Description	Litres/min	Vetus
57189	13mm Strainer	23	FTR330/13
57190	16mm Strainer	35	FTR330/16
57191	19mm Strainer	51	FTR330/19
57192	25mm Strainer	91	FTR330/25
57193	32mm Strainer	143	FTR330/32
57194	38mm Strainer	200	FTR330/38
57197	Spare Cover & O Ring		FTR3301
57188	Spare Cage		FTR05
57195	Spare O Ring		FTR3302

Plastic Cage Strainers - FILTER150

Part No	Description	Litres/min	Vetus
57187	28.5mm Strainer	114	FILTER150
57181	Spare Cage		WF12
57196	Spare O Ring		WF10
57207	Spare Small O Ring		WF14S
57208	Spare Large O Ring		WF13S

Plastic Cage Strainers - FTR1320

Part No	Description	Litres/min	Vetus
57198	38mm Strainer	205	FTR132038
57199	50mm Strainer	365	FTR132050
57202	63mm Strainer	570	FTR132063
57200	Spare Cover & O Ring		FTR13201
57201	Spare Cage		SET0187
57204	Spare O Ring		FTR13202

Fuel Filters

Osculati Fuel Filters

Fitted with conical, self-locking and self-sealing hose adaptor. Comes with two blanks and two 10mm hose connectors.
Height: 145mm / Overhang: 110mm / Cartridge 92Ø mm

Flow l/h at pressure - 0.49 PSI = 182

Flow l/h at pressure - 1.47 PSI = 315

Flow l/h at pressure - 2.45 PSI = 404

Part No	Bowl Type	Osculati
11796	Diesel Plastic	17.660.40
11797	Diesel Aluminium	17.660.41
11799	Petrol + Diesel Clear Bowl	17.664.00
11798	Replacement Cartridge	17.660.45

Delphi 296 Fuel Filters

Single fuel filter with metal settling bowl and bleed screw, complete with interchangeable cartridge. For engines up to 3500cc. Capacity: 50 litres per hour. Thread: M14 X 1.5

Part No	Bowl Type
11750	Metal
11751	Clear Plastic
11752	Replacement Cartridge
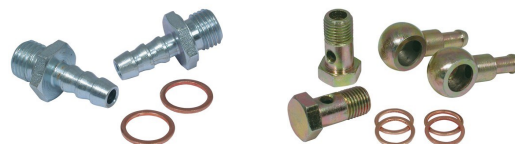
Straight Connector Kit

Part No	Hose ID
11755	8mm
11756	10mm

Swivel Connector Kit

Part No	Hose ID
11760	8mm
11761	10mm

Stud Coupling for Fuel Filters.

Part No	Thread Size	Pipe OD
11765	M14 X 1.5	1/4"
11766	M14 X 1.5	5/16"
11767	M14 X 1.5	3/8"
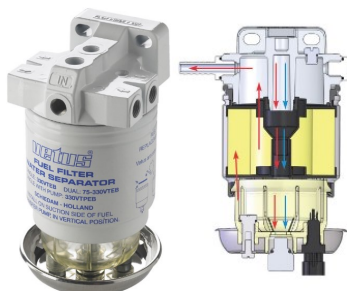
Vetus Water Separator Fuel Filter

SINGLE, 10 MICRON, MAX. 190 L/H

The 330VTEB water separator/fuel filter will take care of an optimum filtration and protects

the engine from damage and excessive wear.

Part No	Description
57210	330VTEB Water Separator Fuel Filter
57209	VT33EB Replacement Filter Element

Vetus WS250

A VETUS fuel filter/water separator fitted between the tank and the fuel lift pump will prevent damage to the engine and ensure easy starting and smooth running. Connection for 9/16" - 18 UNF female thread.

Connection nipples for Ø10mm 3/8" (cutting ring or flare type) can be ordered separately.

Weight 2.27Kg. Filter element can be renewed after 500hrs of use, or one a year. Max capacity: 250l/hr. Recommended max input 150l/hr. Complete with heat deflection shield. Capacity of receiver bowl: ca 270cm³. specially developed for marine use.

Part No	Description
57215	WS250 Water Separator Fuel Filter
57216	Connection Kit Pipe Connections
57217	Connection Kit Flare Connections

Vetus WS750

WS750: connection: 7/8" - 14 UNF female thread. connection nipples for 15mm diameter tubing (cutting ring or flare type) can be supplied. weight: 5.4kg. Filter element to be renewed after 1000 hours of use, or once a year. Maximum capacity: 750 litres/hour. Recommended maximum input: 450 litres/hour. In the case of a rotating fuel injection pump, e.g. as installed on the Vetus Deutz   marine diesel engines the recommended maximum input is increased to 640 litres/hour. Complete with heat deflecting shield capacity of receiver bowl: ca. 800cm^3. Specially developed for marine use.

Part No	Description
57223	WS750FE Spare Filter Element

The WS180 water separator / fuel filter is suitable for both petrol and diesel fuels. Complies with the fire resistance test according to ISO 1008.

The WS720 is suitable for both petrol and diesel fuels. It needs to be mounted vertically and close as possible to the tank.
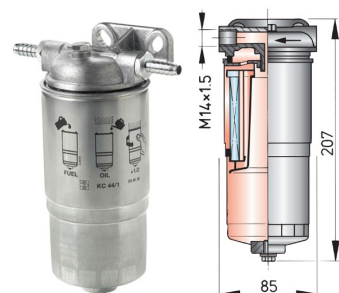
Part No	Description
57211	WS180 Water Separator Fuel Filter
57212	WS720 Water Separator Fuel Filter
57213	WS180FE Spare Filter Element for WS180 & WS720
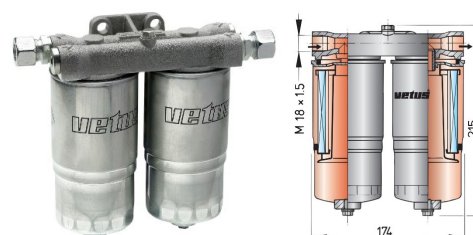
Vetus All Purpose Tanks

Multiple purpose - material ideal for diesel fuel, fresh water and waste water.

These tanks are made of thick walled (5-7mm) high grade polyethylene which is both rust free and less prone to condensation compared with metal tanks. Due to the construction of the tanks, leakage is impossible. Fittings can be installed wherever you choose and can be ordered separately. Tanks are supplied with diesel, fresh water and waste water labels.

Specifications

Tanks are in accordance within the ISO 21487 standard when inspection lid ILY is installed and the supplied diesel sticker is used.

Available in 42, 61, 88, 110, 137, 170, 215, 335 & 390 Litre.

Suitable for diesel (up to 100°C)
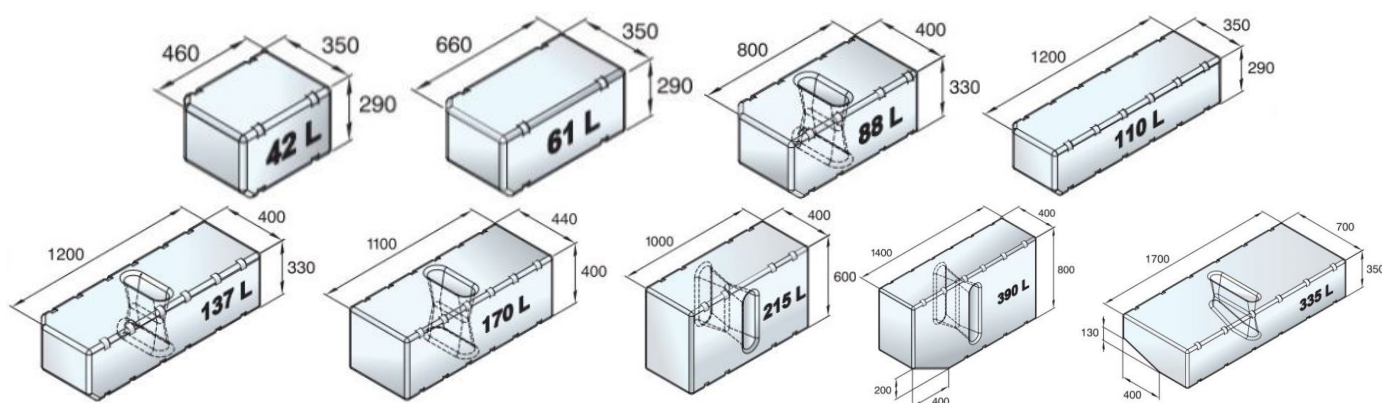
Part No	Description	Vetus
56302	42 Litre	ATANK042
56303	61 Litre	ATANK061
56304	88 Litre	ATANK088
56305	110 Litre	ATANK110
56306	137 Litre	ATANK137
56307	170 Litre	ATANK170
56308	215 Litre	ATANK215
56309	335 Litre	ATANK335
56310	390 Litre	ATANK390
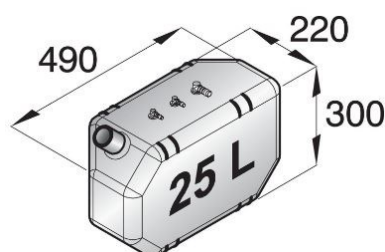
Vetus FTANK25

Vetus diesel fuel tanks are made from high-grade linear polythene, which is both rust free and less prone to condensation compared with metal tanks. The construction of the tank is seamless and therefore, can never leak. The fuel level can be seen from the outside.

The FTANK25 is supplied complete with a fitting kit:

Ø 50mm moulded inlet,

Ø 8mm rotating fuel connectors

Ø 19mm rotating breather connector

2 mounting straps

Part No	Description
56300	25ltr Fuel Tank
56301	FTANK25 Spare connection Kit

All-purpose 100 litre tank, suitable for diesel-, waste- or potable water.

Made out of high-grade polyethylene.

Dimensions: 1010 mm x 390 mm x 315 mm

Overall thickness 8 mm.

Large inspection hole to meet ISO21487 requirements.

38 mm connection for interconnection purpose or draining.

ILT-ready.

Flange in ring cap for easy opening.

Part No	Description	Vetus
56316	100 Litre All Purpose Tank	APT100

Fuel

Waste

Water

Fuel Connection Kit

This fuel connection disc will take care of all fuel related connections
Ø 38 mm fuel fill connection.

Ø 8 / 10 mm fuel suction connection.

Ø 8 / 10 mm fuel return connection.

Ventilation connection Ø 16 mm.

5 hole SAE flange tank level sensor connection.

Ø 8 mm suction connection for marine diesel heaters.

Connects using the ILT120B inspection port.

Part No	Description	Vetus
56311	Fuel Kit	ILTCONF38

Waste Connection Kit

Ø 38 mm connection for discharge (ability to make this a suction connector by mounting a standard Ø 40 mm PVC pipe).

Ø 38 mm inlet connection.

Ø 25 mm inlet connection.

Ø 19 mm inlet connection.

Ventilation connection Ø 19 mm.

5 hole SAE flange tank level sensor connection (suitable for SENSORA, SENSORB and WWSENSORA).

Connects using the ILT120B inspection port.

Part No	Description	Vetus
56312	Waste Kit	ILTCONW

Water Connection Kit

Ø 38 mm fresh water fill connection.

Ø 13 mm fresh water suction connection.

Ventilation connection Ø 16.

5 hole SAE flange tank level sensor connection.

Connects using the ILT120B inspection port.

Part No	Description	Vetus
56313	Water Kit	ILTCOND

Vetus 120mm Inspection Port

A large inspection port for (bio) diesel fuel, fresh water and waste water tanks.

Part No	Description	Vetus
56263	120mm Port	ILT120B

The WTKIT kit includes inspection lid, right angle connection RT38B for filling hose/RT16B for ventilation/RT16B to water pump, 2 mounting straps, T-joint.

Part No	Description	Vetus
56259	Installation Kit	WTKIT

Inspection Lid

For (waste) water tanks only!

- Overall diameter ø 156mm

- Cut out diameter ø 115mm

- Not suitable for fuel tanks.

- Ideal for metal tanks.

Part No	Description	Vetus
56261	Lid Only	WTK02

Suction Pipe

Fitted to the top of fixed tanks.

This suction pipe can be fitted to the top of most of the fixed tanks with a maximum depth of 410mm and suitable for ø 13mm fresh water systems.

Part No	Vetus
56260	WTS44513B

Extraction Pipe For Waste Tanks

Part No	Description	Vetus
56203	780mm Straight	WTS78038S
56206	780mm Right Angle	WTS78038B

Inspection Lid Kit

Complete with gasket, counter flange and fastenings.

Overall diameter ø 156mm

Cut out diameter ø 115mm

Not suitable for fuel tanks.

Part No	Description	Vetus
56262	Lid & Gasket	WTIKIT

Fixed connectors 38 mm for filling and 16 mm for the breather line. Rotating hose and suction connectors 8mm.

362 347
472

362 347
682

Rigid Diesel Fuel Tanks

This range of rigid VETUS tanks are made of high-grade polyethylene. The centre point for a SAE flange gauge sender is incorporated together with five blind bolt holes. The gauge sender should be ordered separately . Tanks are in accordance with the ISO 21487 standard.

Part No	Description	Vetus
56267	40 Litre Tank	FTANK40A
56268	60 Litre Tank	FTANK60A

Basic tank type WTANKC

With easy screw down inspection lid

in the moulding together with 5 blind bolt holes.

Specifications

• Tank capacities of 40, 60 and 80 litres

• Hose connectors for filling line Ø38 mm and breather line Ø16 mm

• Rotating hose connector Ø13 mm with pick-up pipe for water suction

• Supplied with installed screw down inspection lid

362 364
472
40 L

362 364
682
60 L

362 364
892
80 L

Synthetic Drinking Water Tank		
Part No	Description	Vetus
56255	40L	WTANK40C
56256	60L	WTANK60C
56257	80L	WTANK80C
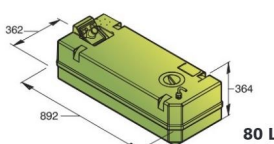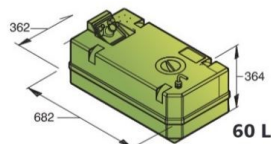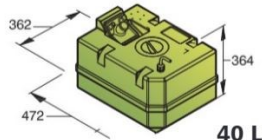
Basic tank including connectors type BTANKC

These tanks are made of odour impermeable synthetic see-through material so the content level can be seen from the outside. The tanks are supplied with connectors, a screw down inspection lid and 2 securing straps. The inlet fitting (type RT..B) should be ordered separately matching the inlet hose diameter.

Waste Water Tank		
Part No	Description	Vetus
56195	25 Litre	BTANK25C
56196	40 Litre	BTANK40C
56197	60 Litre	BTANK60C
56198	80 Litre	BTANK80C

320 25 Litre
430 300

362 373
472 40 Litr

362 373
682 60 Litre

362 373
892 80 Litre
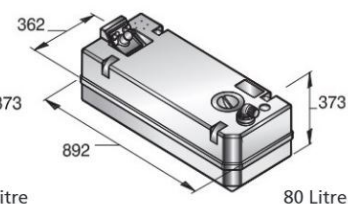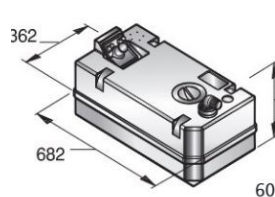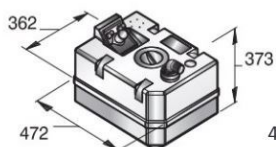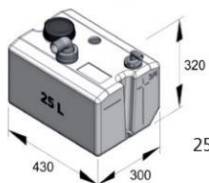
Connections

• Suction pipe with angled Ø38 mm hose connector for deck plate connection

• Angled hose connector Ø38 mm for discharge

• Angled hose connector Ø19 mm for tank ventilation

Bulkhead Waste Water Tank		
Part No	Description	Vetus
56207	25 Litre Horizontal	WW25WH
56208	25 Litre Vertical	WW25W
56210	60 Litre Vertical	WW60W
56211	80 Litre Vertical	WW80W

475 25 L
430 235

340 620
25 L 235

440 665
60 L 350

570 665
80 L 350

Short term waste water storage

These flexible tanks are constructed in the same robust way as the flexible drinking water tanks .However, the material used is suitable to store waste water. These tanks should be pumped and flushed after a day's boating.

Flexible Waste Water Tanks

Part No	Description	Vetus	Part No	Description	Vetus
56775	55 Litre	TANKV55	56777	100 Litre	TANKV100
56776	70 Litre	TANKV70	56778	160 Litre	TANKV160
56780	Repair Kit	REPSETOT			
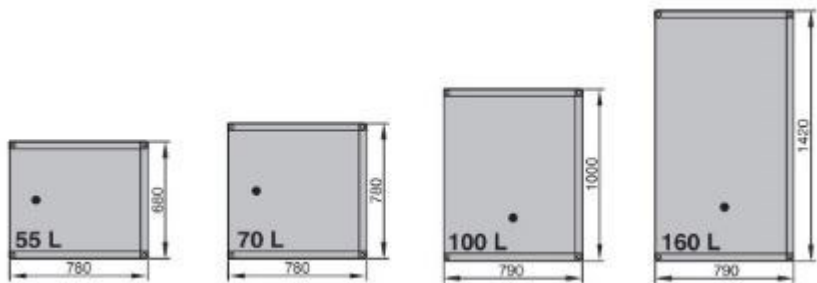
Flexible Water Tanks

The VETUS flexible water tanks consists of three layers

1. A wear resistant layer

2. A reinforcement layer

3. A layer suitable for contact with drinking water

Part No	Description	Vetus	Part No	Description	Vetus
56764	55 Litre	TANKW55	56767	160 Litre	TANKW160
56765	70 Litre	TANKW70	56768	220 Litre	TANKW220
56766	100 Litre	TANKW100	56769	100L - Triangular	TANKW1003
56771	Repair Kit	REPSETWT			
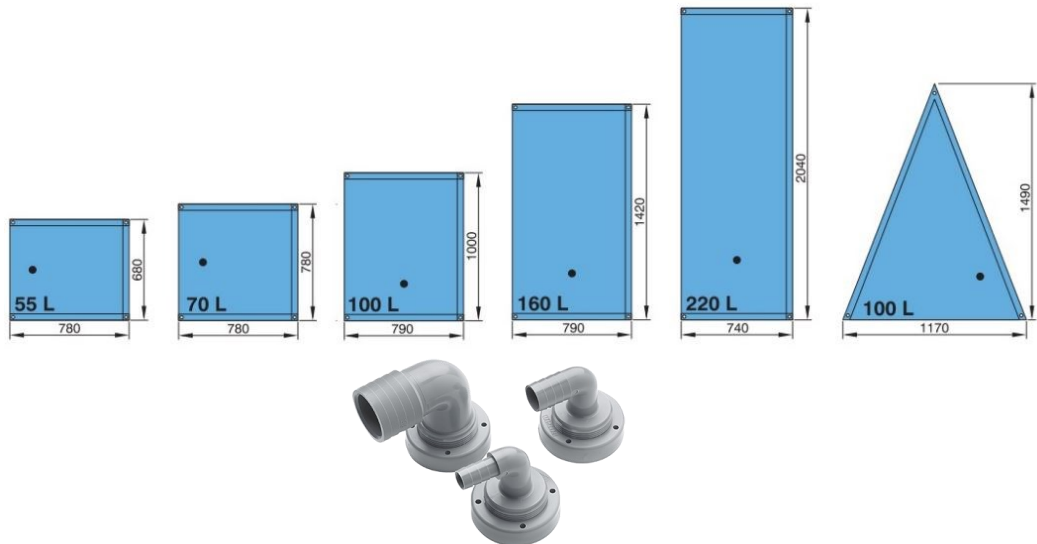
Plastic Hose Connectors

Synthetic fittings for VETUS flexible tanks (type FT) or rigid tanks (type RT). The required hole size for flexible tank is ø 42mm and for rigid tanks ø 43mm .

Part No	Description	Vetus	Part No	Description	Vetus
56232	13mm R/A Rigid Tanks	RT13B	56239	13mm R/A Flexible Tanks	FT13B
56233	16mm R/A Rigid Tanks	RT16B	56240	16mm R/A Flexible Tanks	FT16B
56234	19mm R/A Rigid Tanks	RT19B	56241	19mm R/A Flexible Tanks	FT19B
56235	25mm R/A Rigid Tanks	RT25B	56242	25mm R/A Flexible Tanks	FT25B
56237	38mm R/A Rigid Tanks	RT38B	56244	38mm R/A Flexible Tanks	FT38B

Vetus FTLDB

Interconnection kits for two tanks.

The FTLD connection kit links two fuel tanks. The dimensions of the skin fitting are G 3/4. Two brass skin fittings 3/4" and a coupling are supplied to connect the tanks. Includes two lashing straps to secure the tank.

Part No	Description	Vetus
56315	Interconnection Kit	FTLDB

Tank Spares

Part No	Description	Vetus
56238	Rubber gasket	RT001
56264	Drinking Tank O Ring	WTK002
56265	Large Gasket	WTK05
56266	Spare Tank Cap	UNICAP

Vetus Fuel Connection Kits

Hose connection for filling Ø 38 or 51 mm and a 16 mm tank ventilation connection

Fuel suction pipe according to model selected

Ø8 mm, max. tank depth 440 mm

Ø10 mm, max. tank depth 850 mm

Ø15mm, max. tank depth 970 mm

Fuel return for Ø8, 10, 15 mm hose

Mounting flange for tank level sensors (connection is suitable for sensors with a 5-hole SAE flange)

Terminal tag 6.3 mm for ground wire

2 mounting straps to secure tank

Part No	Description	Vetus
56297	Fuel Connection Kit 38mm / 8mm	FTL3808B
56298	Fuel Connection Kit 38mm / 10mm	FTL3810B
56299	Fuel Connection Kit 51mm / 8mm	FTL5108B
58315	FTL001 Expansion Rubber	
58316	FTL021 Expansion Rubber	

Waste Water installation Kit

Consisting of one inspection lid counter-flange and fastenings, two securing straps, and one wrench for angled fittings.

Overall diameter ø 156mm

Cut out diameter ø 115mm

Part No	Description	Vetus
56200	Waste Water Installation Kit	BTKIT

Vacuum Operated Valve 56mm

This valve is an indispensable safety factor for emptying a waste water tank via shore based pump-out station.

Part No	Description	Vetus
56230	Vacuum Operated Valve	VRF56A

The FUELSAFE overcomes the risk of fuel theft simply and cheaply by making it impossible to insert a siphon hose into the tank through the filling hose.

Part No	Description	Vetus
56326	Anti Fuel Theft device	FUELSAFE

Hole Saw 159mm

Hole saw for plastic, G.R.P. or stainless steel tanks with Ø 159 (6 1/4 ")

Part No	Description	Vetus
56314	Hole Saw 159mm	VSAW159

GREAT VALUE!

Exhaust Waterlock Muffler

Made of high density polyethylene. Suitable for exhaust hose 40/45/50 Ø mm. Capacity 6L. Operating pressure max 0,3 BAR. Length 370mm / 440mm with joints. Width 150mm. Height 190mm / 230mm with joints

Part No	Description
10271	Exhuast Muffler 40/45/50mm
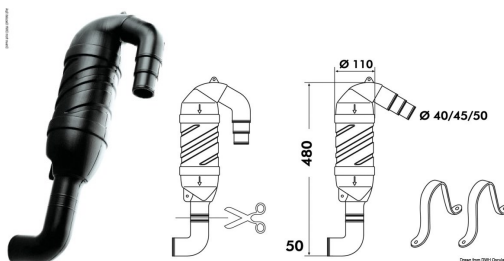
GREAT VALUE!

Gooseneck Downwards Waterlock

40/45/50mm

Siphon with inlet turned downwards. Size 480 x 110mm. Suitable for exhaust hoses 40/45/50mm.

Part No	Description
10272	Gooseneck Waterlock 40/45/50mm

GREAT VALUE!

Horizontal Waterlock Muffler

Available in 3 sizes.

Part No	Description
10273	40mm Horizontal Muffler
10274	45mm Horizontal Muffler
10275	50mm Horizontal Muffler
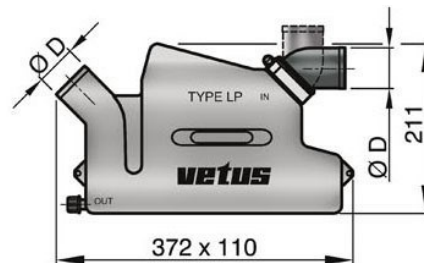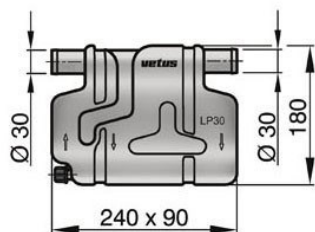
Type WLOCKLP

Suitable for exhaust hose with an internal diameter of 30mm. Provided with a plug for draining during winter time. Capacity 2.3 litres.

WLOCKLP30

Part No	Description
57443	Fixed 30mm

Type WLOCKLR

Waterlock with Rotating Inlet

360° revolving inlet connection which greatly facilitates the installation. Provided with a plug for draining during winter time. Capacity 4.3 litres.

Part No	Description
57445	40mm (WLOCKL40R)
57446	45mm (WLOCKL45R)
57447	50mm (WLOCKL50R)

Spare Hose Tails

Part No	Description
58320	40mm
58321	45mm
58322	50mm
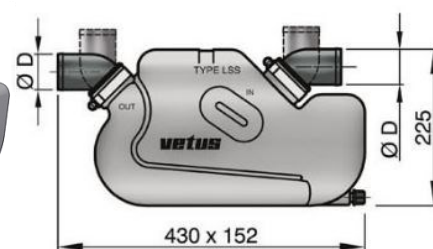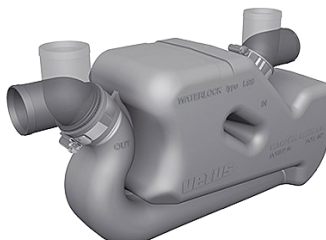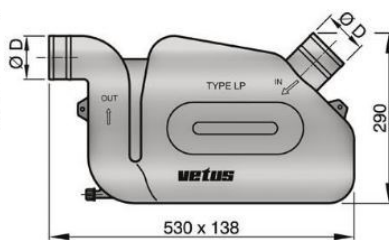
Type WLOCKLS and WLOCKLP

Waterlock for use with long exhaust hoses (4 metres and longer). Provided with a plug for draining during winter time. Capacity 10.5 litres

Part No	Description
57449	50mm Super (WLOCKL50S)
57450	60mm (WLOCKLP60)
57451	75mm (WLOCKLP75)
57452	90mm (WLOCKLP90)

Type LSSA

Waterlock for boats sailing in rough waters. Capacity 5,7 Litres With rotating inlet/outlet for easy installation. Securing strap supplied as standard.

Part No	Description
57460	40mm (LSS40A)
57461	45mm (LSS45A)
57462	50mm (LSS50A)
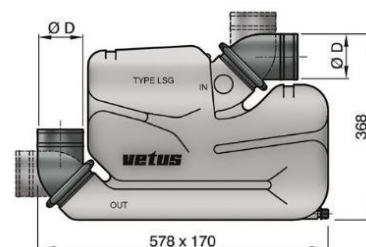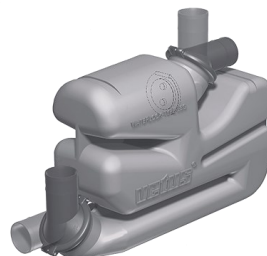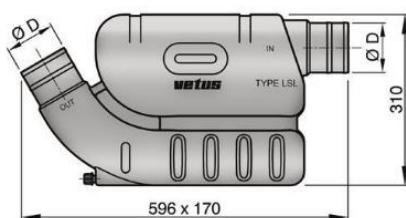
Type LSL

Extra large waterlock designed for long, relatively straight exhaust runs. Capacity 16 Litres. With fixed (non-rotating) inlet and outlet connections.

Part No	Description
57456	60mm (LSL60)
57457	75mm (LSL75)
57458	90mm (LSL90)

Type LSG

Extra large waterlock for boats sailing in rough waters. Capacity 17 Litres with no return valve and rotating inlet/outlet for easy installation.

Part No	Description
57465	75mm (LSG75)
57466	90mm (LSG90)

NLP40, 45, 50.
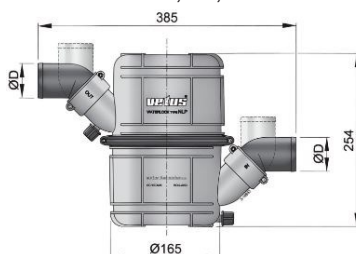
NLP50S, 60, 75, 90.
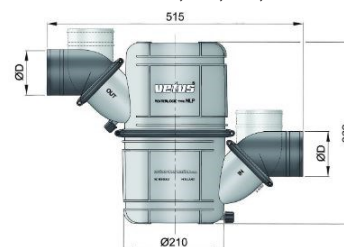
Type NLP

Waterlock/muffler with dual stage construction. Superior silencing of exhaust noise with minimal back pressure. 360° rotatable top chamber and connectors.

Part No	Description	Part No	Description
57434	40mm (NLP40)	57438	60mm (NLP60)
57435	45mm (NLP45)	57439	75mm (NLP75)
57436	50mm (NLP50)	57440	90mm (NLP90)
57437	50mm Super (NLP50S)		

NLPH 40. 45, 50. Capacity 3 Litres.
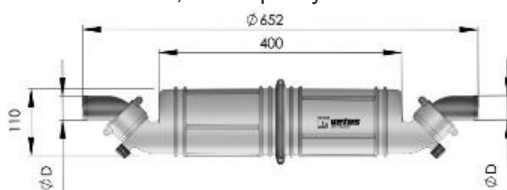
NLPH 60. 75, 90. Capacity 10 Litres.

Type NLPH

Horizontal two chamber waterlock/muffler with rotatable components and hose connections. Simple and time-saving installation.

Part No	Description
57433	40mm (NLPH40)
57424	45mm (NLPH45)
57441	50mm (NLPH50)
57454	75mm (NLPH75)
57453	90mm (NLPH90)

Spare Hose Connector

This is the rotating hose connection for the NLP type waterlocks

Part No	Description
58320	40mm US001
58321	45mm US002
58322	50mm US003
58323	Spare O Ring

Plumbing

Spare Hose Connector

This is the rotating hose connection of the NLP/S-NLP/HD-LSG-LGS waterlocks.

Part No	Description
57420	50mm SET0001
57421	60mm SET0002
57422	75mm SET0003
57423	90mm SET0004
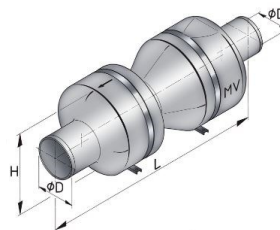
Type MV

Plastic muffler with check valve, developed for fast craft with powerful engines. Achieves tremendous reduction of exhaust noise.

Part No	Description	D (mm)	H (mm)	L (mm)
57400	90mm (MV090) 11.5 Ltr Capacity	90	210	702
57401	100mm (MV100) 11.5 Ltr Capacity	100	210	702
57402	125mm (MV125) 37 Ltr Capacity	125	320	910
57403	150mm (MV150) 37 Ltr Capacity	150	320	910

Type DEMPMP

This muffler creates additional mixing of the water inside the exhaust line which results in even better noise reduction.

Part No	Description	Part No	Description
57470	40mm (DEMPMP40)	57474	75mm (DEMPMP75)
57471	45mm (DEMPMP45)	57475	90mm (DEMPMP90)
57472	50mm (DEMPMP50)	57476	100mm (DEMPMP100)
57473	60mm (DEMPMP60)		

DEMPMP40, 45, 50, 60.
368 x 108 — 158

DEMPMP75, 90.
456 x 130 — 180
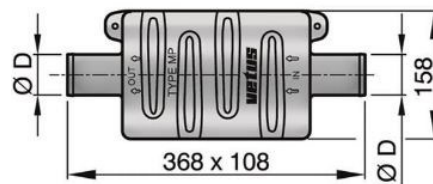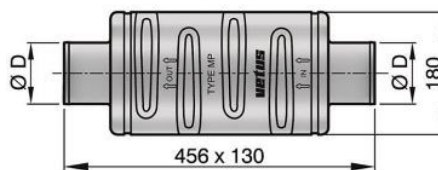
DEMPMP100.
580 x 168 — 158
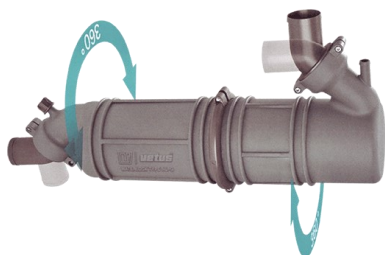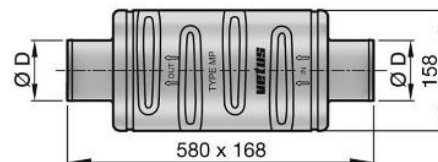
Type NLPG

Combines the functions of a muffler and gooseneck. Saves installation time and space whilst maintaining the essential qualities of a good exhaust system.

Part No	Description
57444	40mm (NLPG40)
57442	50mm (NLPG50)
57501	60mm (NLPG60)
57502	75mm (NLPG75)
57503	90mm (NLPG90)

NLPG40, 45, 50. 3 litres capacity
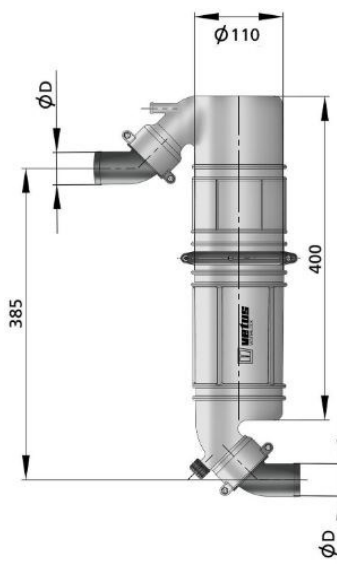
NLPG60, 75, 90. 10 litres capacity
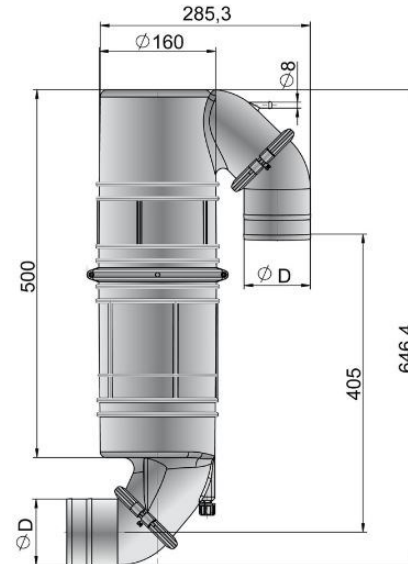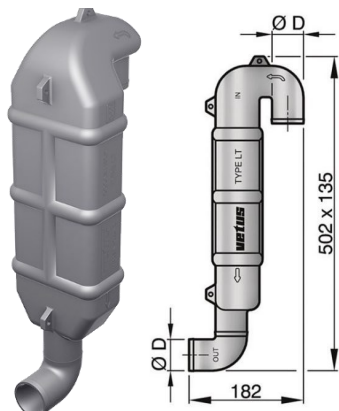
Type LT

Plastic gooseneck for marine exhaust systems with water injection. Supplied with stainless steel fastening brackets.

Part No	Description	L (mm)	H (mm)	B (mm)	D (mm)
57484	LT65/65	155	500	235	65
57485	LT65/75	155	500	235	65/75
57486	LT75/75	155	500	235	75
57487	LT90/90	210	525	300	90
57488	LT90/110	210	525	300	90/110
57489	LT110	210	525	300	110
57490	LT102	210	525	300	102
57491	LT127	275	565	380	380
57492	LT152	275	565	380	380
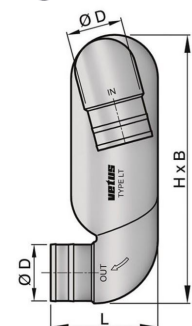
Type WLOCKLT

Gooseneck for exhaust hose . Raises the exhaust hose above the waterline so that water cannot backfill the exhaust system.

Part No	Description
57479	40mm (WLOCKLT40)
57480	45mm (WLOCKLT45)
57481	50mm (WLOCKLT50)
57482	60mm (WLOCKLT60)

Rubber Transom Exhaust

Transom exhaust connection in EPDM rubber with high gloss polished stainless steel mounting ring. Can be mounted to the transom easily and flexibly.

Part No	Description
57545	40mm (TRC40R)
57546	45mm (TRC45R)
57547	50mm (TRC50R)
57548	60mm (TRC60R)
57549	75/90mm (TRC7590R)

Exhaust Temperature Alarm

Part No	Description
56071	12V Black
56072	24V Black

Exhaust Temperature Alarm

Part No	Description
56073	12V White
56074	24V White
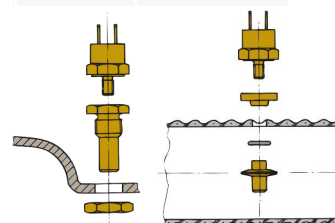
Exhaust Sensor

Part No	Description	Vetus
56075	Hose Sensor	XHSH
56076	Silencer Sensor	XHSM

Plastic Transom & Check Valve

The exhaust hose can be fitted directly to this transom connection. High quality synthetic materials, integrated rubber check valve.

Part No	Description
57551	40mm (TRC40PV)
57552	45mm (TRC45PV)
57553	50mm (TRC50PV)
57554	60mm (TRC60PV)
57555	75mm (TRC75PV)
57556	90mm (TRC90PV)

Stainless Steel Transom & Check Valve

The exhaust hose can be fitted directly to this transom connection. High quality stainless steel AISI 316 with high gloss polished cover.

Part No	Description
57558	40mm (TRC40SV)
57559	45mm (TRC45SV)
57560	50mm (TRC50SV)
57561	60mm (TRC60SV)
57562	75mm (TRC75SV)
57563	90mm (TRC90SV)

Vetus TC125 127mm

The exhaust hose can be fitted directly to this transom connection. Made of reinforced black synthetic material, with decorative stainless steel band.

Part No	Vetus
57550	TC125

Osculati Bilge Pumps

Osculati 550 Europump 19mm

Non automatic.

CE certified by RINA in compliance with Law 94/25, directive ISO 8846. 12V.

Flow rate = 32 Litre/min - max.

Flow rate = 25 Litre/min with 2m head.

4 Amp current draw.

4.5m Max head

Part No	Description	Osculati
96450	Europump 550 12V	16.122.02

Osculati 800 Europump 19mm

Non automatic.

CE certified by RINA in compliance with Law 94/25, directive ISO 8846. 12V.

Flow rate = 51Litre/min - max.

Flow rate = 25 Litre/min with 2m head.

5.5Amp current draw.

4.5m Max head.

Part No	Description	Osculati
96451	Europump 800 12V	16.122.05

Osculati Float Switch 12/24V

Max current draw 12V = 20 Amps.

Max current draw 24V = 10Amps.

Activation level 51mm.

Deactivation level 19mm

Part No	Description	Osculati
96452	Float Switch 12/24V	16.603.50

Osculati Rocker Bilge Switch

Universal for any pump with floating or electronic switch. Fitted with: Marina dual LED toggle switch, 3 positions (automatic, off, manual with spring return to off to prevent leaving the pump on), safety fuse.
75 x 60mm.

For pumps 12 V. Current draw 25 Amps

For pumps 24 volt. Current draw 15 Amps

Part No	Description	Osculati
96453	12V Bilge Panel Switch	16.606.12
96454	24V Bilge Panel Switch	16.606.24

Osculati Clampshell Automatic Europumps

Very compact, with built-in electronic level sensor. ABS body, stainless steel shaft. Reduced current draw. Removable from plug-in base. CE certified by RINA in compliance with Law 94/25, directive ISO 28846/28849.

Part No	Description	Hose adaptor	Current Draw (Amp)	Flow Ltr/Min	Head (M)	Osculati
96140	G600 12V Europump II	19mm	2.5	38	2.5	16.124.01
96141	G750 12V Europump II	19mm	3	48	3	16.124.03
96142	G750 24V Europump II	19mm	1.6	48	3	16.124.04
96143	G1100 12V Europump II	22mm	4	70	3.2	16.124.05
96144	G1100 24V Europump II	22mm	2	70	3.2	16.124.06

Rule LoPro 12V Manual Bilge Pump

Connections: For 19mm (3/4"), 25mm (1") or 28mm (1 1/8") bore hose.

Dimensions: 193mm long, 59mm diameter.

Current Draw: 4 Amps

Fuse Size: 7.5 Amps

Output: Up to 56 litres/minute (12.5 gallons/minute).

Max. recommended discharge head 3m.

Fully rotating discharge body for installation flexibility.

Part No	Description	Rule
75225	Rule Lopro 900gph Bilge Pump	LP900D

Rule LoPro Automatic Bilge Pump 900GPH 12V

High water mode: The pump starts when the water level reaches 50mm (2")

Low water mode : Turn the motor cartridge 180º and the sensor is at 33mm (1.3")

Full Electronic model : The pump automatically turns on every 2.5 minutes to check for water,
If water is detected the pump runs until the water is gone.

Dimensions: 237mm long, 59mm diameter.

Part No	Description	Model	Voltage	Current Draw	Litres/Min	Hose Connection
75234	Lopro Auto 900GPH 12V Bilge Pump	LP900S	12V	4 amps	56	19/25/28mm

Part No	Description	Rule
75145	Rule 360 12V + float switch.	24DA-35A
75150	Rule 360 12V	24DA
75155	Rule 500 12V	25DA
75160	Rule 800 12V	20DA
75162	Rule 800 12V Square	20F
75165	Rule 1100 12V	27DA
75170	Rule 1500 12V	02
75175	Rule 1500 24V	03
75180	Rule 2000 12V	10
75185	Rule 2000 24V	12
75190	Rule 3700 12V	14A
75192	Rule 3700 24V	16A
75206	Rule 4000 12V	56D

Rule Non Automatic Bilge Pumps

These pumps are totally submersible and ignition protected to all existing safety standards.

Cool running motors and stainless steel shafts for long life.

Snap lock strainer base for easy installation and removal.

Silent, vibration free running.

No burn-out if run dry.

Model	360	500	800	1100	1500	2000	3700	4000
Voltage	12V	12V	12V	12V	12V/24V	12V/24V	12V/24V	12V
Fuse Size	2.5A	2.5A	5A	6A	9A/4A	15A/10A	20A/12A	25A/15A
Litres Hour Open Flow	1362 Litres	1892 Litres	3027 Litres	4163 Litres	5676 Litres	7569 Litres	14000 Litres	15100 Litres
Hose Connection	19mm (3/4")	19mm (3/4")	19mm (3/4")	28mm (1 1/8")	28mm (1 1/8")	28mm (1 1/8")	38mm (1 1/2")	50mm (2")
Height	90mm	90mm	95mm	110mm	153mm	155mm	180mm	197mm
Diameter	60mm	60mm	60mm	60mm	100mm	105mm	135mm	135mm

Rule Mate Automatic Bilge Pumps

The Rule-Mate series of automated bilge pumps feature a pump and a non-mercury float switch in a single, compact housing. When the float rises, the pump turns on. There is no on/off cycling and, therefore, no power use until the pump comes on. The pump remains on until the float drops and the pump senses no load against the impeller.

Model	500	800	1100 12V	1100 24
Part No	75196	75197	75198	75200
Rule No	RM500B	RM800B	RM1100A	RM1100A-24
Voltage	12V	12V	12V	24V
Fuse Size	2.5A	2.5A	6A	6A
Litres Per Hour Open Flow	1892 Litres	2838 Litres	4163 Litres	4163 Litres
Hose Connection	19mm (3/4")	19mm (3/4")	28mm (1 1/8")	28mm (1 1/8")
Dimensions	123mm long x100mm high x 55mm wide			

Rule Automatic Bilge Pumps

Electronic operation on the principle of impeller resistance. Float switches are not required. The pump will turn on every 2 1/2 minutes for about one second to sense for water. If water is present, the pump will sense resistance and continue to run until all water is removed. Thereafter, it will check for water every 2 1/2 minutes. Power use in the checking mode is minimal.

Model	500	1100	2000	3700	4000
Part No	75210	75212	75214	75216	75218
Rule no	25SA	27SA	53S	55S	56S
Voltage	12V	12V	12V	12V	12V
Fuse Size	2.5A	6A	15A	25A	25A
Litres Per Hour Open Flow	1892 Litres	4163 Litres	7567 Litres	14000 Litres	15100 Litres
Hose Connection	19mm (3/4")	28mm (1 1/8")	28mm (1 1/8")	38mm (1 1/2")	50mm (2")
Height x Diameter	100 x 60mm	115 x 60mm	197 x 120mm	210 x 135mm	235 x 135mm

Rule-A-Matic Switch (35)   Rule-A-Matic Plus Switch (40)   Superswitch (37)

Float Switches

These switches are designed for automatic bilge pump control without rapid on / off cycling.

Model	Rule-A-Matic (35)	Rule-A-Matic Plus (40)	Superswitch (37)
Part No	75195	75221	75220
Rule No	35A	40A	37A
Voltage	12V / 24V	12V / 24V	12V / 24V
Max Current	14A	20A	20A
Dimensions	115 x 45 x 85mm	120 x 63 x 66mm	125 x 50 x 70mm

Rule Eco Float Switches 12/24V

The Rule ECO-Switch is an ecologically sound automatic bilge pump control switch. Featuring a non-mercury design, the pump operates with simple air pressure. As water rises in the bilge, air rises in the air tube that is attached to the switch. This air pressure activates the switch which controls your pump. There are no moving internal parts, all wiring is out of the water, and there are no submerged electrical connections at all. Offering complete reliability and outstanding performance, the Rule ECO-Switch offers a viable alternative to traditional float switches.

Part No	Description	Rule
75226	Rule Eco-Switch 12V	39
75228	Rule Eco-Switch 24V	39 - 24
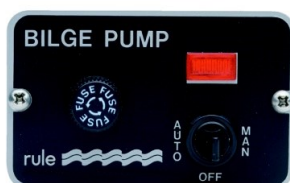
Model 41

Model 43 & 44

Model 45

Bilge Pump Switch Panels

These switches are designed for use with automatically controlled pumps. 3 positions: OFF / ON / MANUAL. Failsafe feature prevents pump being left on when used manually.

Rule Model	41	43	44	45
Part No	75194	75191	75199	75193
Voltage	12V	12V	24V	12/24V
Max Current	20A	20A	20A	20A
Dimensions	83 x 50mm	75 x 62mm	75 x 62mm	57 x 50mm

Rule Bilge Alarm

This device consists of a Rule-A-Matic Plus float switch with an alarm module. It warns of high water levels in the bilge using both a visual and an 85dB audible alarm. Max switching current: 20A, Gauge Diameter: 60mm

Part No	Description	Rule
75222	Rule Bilge Alarm 12V	33ALA
75224	Rule Bilge Alarm 24V	32ALA

Whale Automatic Electric Field Sensor Switch

Automatic Switch with Electric Field Sensor Technology with 30 second time delay. Electric field sensor automatically senses water levels and switches on the bilge pumps. Nylon material - withstands high temperatures. Automatically switches on when 51mm (2") of water is sensed and turns off when water drops below 13mm (½")

• BE9006 model - built in 30 second off delay for efficient operation, prevents cycle in small sump installations or enables lower drain than 13mm (1/2")

Part No: 75261

Attwood Float Switch 6-32V

With protective cover. For use with pumps drawing less than 10 amps 6-32V.

Part No: 75080

Attwood 3 Way Bilge Switch

3 positions: Auto/ Off/ Manual.

6 - 32V, 10 amp Max.

Part No: 75100

Whale®

Supersub Manual Non Automatic Submersible Bilge Pumps

Ideal bilge pump for narrow bilges. Fits under engines. Very low power consumption. Easy installation (multi-position mounting), (2 position outlet hose). Easy to clean (snap fit assembly). Leaves the bilge almost dry.

Supersub 500 : maximum overall height 75mm x maximum overall width 54mm x overall length 183mm

Supersub 1100 : maximum overall height 133mm x maximum overall width 54mm x overall length 215mm

Part No	Description	Model	Voltage	Current Draw	Flow Rate Litres/min	Flow Rate Litres/min 1m Head	Hose Connections
73250	Whale Supersub 500 12V	SS5012	12v	2.4 Amps	40	34	19mm
73252	Whale Supersub1100 12V	SS1012	12v	4.3 Amps	66	47	25/28mm
73253	Whale Supersub 1100 24V	SS1024	24v	2.2 Amps	66	47	25/28mm

Whale®

Supersub Smart Automatic Submersible Bilge Pumps

Low profile automatic submersible bilge pumps sense bilge water level and switch on and off automatically. Fits deep down in confined bilge areas under engines or cockpit floors.

Sensor senses for the presence of water.

1100 models also have a built in non return valve.

Height: 75mm x Width 54mm x Overall Length 212mm

Part No	Description	Model	Voltage	Current Draw	Litres/min	Litres/min 1m Head	Hose Connections
73251	Whale Supersub 650 Auto 12V	SS5212	12V	3.4 Amps	40	34	19/25mm Stepped Port
73254	Whale Supersub 1100 Auto 12V	SS1212	12V	5 Amps	66	47	25/28mm Stepped Port
73255	Whale Supersub 1100 Auto 24V	SS1224	24V	2.2 Amps	66	47	25/28mm Stepped Port
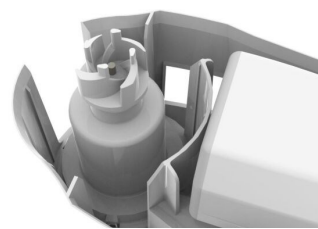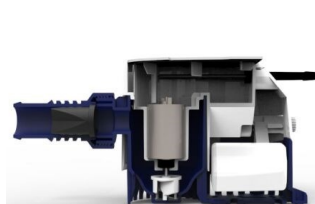
attwood®

Sahara Mk 2 Automatic Bilge Pumps

A new and improved version of attwood's famous sahara bilge pump. Patented X-Air™ Impeller ejects trapped air in the pump and pipework. 90° rotatable elbow outlet allows users to install the pump anywhere in a full 360° orientation. SteadySwitch™: Buoyancy control reduces cycling, draining the bilge not the battery.

Part No	Description	Voltage	Fuse Size	Litres Hour w/o Check Valve	Litres Hour with Check Valve	Hose Connections
75050	500 Sahara Mk2 12V	12V	3 Amps	1530	1368	19/25mm Stepped Port
75052	800 Sahara Mk2 12V	12V	5 Amps	2314	2274	19/25mm Stepped Port
75053	800 Sahara Mk2 24V	24V	2 Amps	2314	2274	19/25mm Stepped Port
75054	1200 Sahara Mk2 12V	12V	6 Amps	4140	3000	25/28mm Stepped Port

Attwood Heavy Duty Non Automatic Bilge Pumps

High capacity pumps with durable, rugged construction and 28mm (1 1/8") outlets. Heavy duty motor and pump design assure long life. Large filter area prevents clogging from bilge debris. These pumps include 36" of 16-gauge caulked and tinned copper wire. Backed by a 3 year warranty. 165 x 132mm (6 1/2" X 5 3/16")

Part No	Description	Model	Voltage	Current Draw	Litres/Hour	Litres/Hour 1m Head	Hose Connection
75010	Heavy Duty 1700	1700	12V	6 Amps	6450	4920	28mm Port
75020	Heavy Duty 2000	2000	12V	8 Amps	7600	5867	28mm Port

Orca Non Automatic Bilge Pumps

These tough and compact pumps combine high performance with low current draw. They are also easy to install and maintain. As well as the standard mechanical float switch, there is also an electric field sensor switch available. It is suitable for 12 and 24 volt bilge pumps with up to 20 amp switching capacity. It senses water level and automatically controls the pump. No toxic mercury. No moving parts.

Orca 500 Dimensions: Height 83mm x Width 102mm x Depth 78.5mm

Orca 950 Dimensions: Height 109mm x Width 135mm x Depth 103mm

Orca 1300 Dimensions: Height 129mm x Width 168mm x Depth 121mm

Part No	Description	Model	Voltage	Current Draw	Litres/Min	Litres/Min 1m Head	Hose Connection
75256	Orca 500	BE0500	12V	1.5 amps	32	26	19mm
75257	Orca 950	BE0950	12V	3.5 amps	57	52	19mm
75258	Orca 1300	BE1450	12V	5 amps	82	65	28mm
75259	Orca 1300 24V	BE1454	24V	2.5 amps	82	65	28mm
75260	Orca 2000 12V	BE2002	12V	10 amps	130	70	28mm

Johnson Bilge Pumps

L750 Dimensions: Height 110mm x Width 70mm

L800 Dimensions: Height 105mm x Width 82mm x Length 142mm

L2200 Dimensions: Height 177 x Width 108mm

Part No	Description	Model	Voltage	Current Draw	Litres/Min	Litres/Min 1m Head	Hose Connection
75110	L750 Submersible Bilge Pump	L750	12V	3 Amps	78.8	60	28mm
75111	L800 Ultima Sensing Pump	L800	12V	3 Amps	38	51	19mm
75112	L2200 Heavy Duty Bilge Pump	L2200	24V	12 Amps	130	120	28/32mm

Part No	Description
73059	EF9910 Straight Connector
73060	EF9920 Straight Connector

Universal Automatic Pressure Pumps

Extremely quiet automatic pressure pumps with integral pressure switches. Fully adjustable and flexible feet for universal mounting arrangement and vibration absorption.

3 model ranges with flow rates of 8, 12 and 18 litres. 2 year warranty.

Part No	73040	73042	73043	73044	73045	73046	73047	73048
Model	UF0812	UF0815	UF1212	UF1214	UF1215	UF1225	UF1815	UF1825
Voltage	12V	12V	12V	12V	12V	24V	12V	24V
Max Outlets	2 to 3	2 to 3	3 to 4	3 to 4	3 to 4	3 to 4	4 to 6	4 to 6
Flow Rate	8 ltr / min	8 ltr / min	12 ltr / min	12 ltr / min	12 ltr / min	12 ltr / min	18 ltr / min	18 ltr / min
Cut out pressure	15psi	45psi	15psi	30psi	45psi	45psi	45psi	45psi
Fuse Size	5A	5A	5A	8A	8A	4A	12A	8A
Hose Connections	13mm (1/2")	13mm (1/2")	13mm (1/2")	13mm (1/2")	13mm (1/2")	13mm (1/2")	19mm (3/4")	19mm (3/4")
Max Lift	3m	3m	3m	3m	3m	3m	3m	3m
Max Head	10m	30m	10m	20m	30m	30m	30m	30m

Jabsco Par Max Freshwater Delivery Pumps

Jabsco's updated and improved lineup of freshwater supply pumps are designed to provide years of satisfactory service in applications both large and small.

Standard models provide good performance in an economical footprint. These configurations are available in 1-3 GPM, perfect for vessels with 1-3 outlets. A plastic housing protects the motors on these units from corrosion.

HD (Heavy Duty) models include a wider diameter motor with a powder coated shell, cast aluminum endbells and lower housing to improve pressure capability and life. Available in configurations up to 6 GPM (23 LPM) and 60 PSI (4.1 BAR), these pumps deliver exceptional performance.

Part No	75280	75281	75282	75283	75286	75287
Model	Par Max 2	Par Max 2	Par Max 3	Par Max 3	Par Max HD4	Par Max HD4
Voltage	12V	24V	12V	24V	12V	24V
Flow Rate	7.6 ltr / min	7.6 ltr / min	11 ltr / min	11 ltr / min	15ltr / min	15 ltr / min
Cut out pressure	35psi	35psi	25psi	25psi	25psi	25psi
Fuse Size	10A	5A	10A	5A	12A	5A
Hose Connections	13mm (1/2")	13mm (1/2")	13mm (1/2")	13mm (1/2")	13mm (1/2")	13mm (1/2")

Submersible Water Pumps

Submersible, self-venting pumps designed to be dropped into a water tank. Simple, compact and low cost. Suitable for use with pressure switches and micro switch systems. Very quiet with low power consumption.

Part No	73096	73097
Whale No	GP1352	GP1652
Model	Premium 881	High Flow 921
Voltage	12V	12V
Fuse Size	5A	5A
Weight	150g	150g
Hose Connections	10mm or 13mm (3/8" or 1/2")	
Ltr/min @ 0m head / Amps	13.2ltr / 3.6A	15.8ltr / 3.8A
Ltr/min @ 1m head / Amps	11.75ltr / 3.3A	14.8ltr / 3.7A
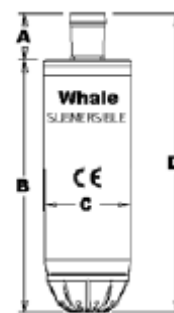
A - 20mm
B - 109mm
C - 36mm
D - 129mm

Premium pump/ High Flow pump

In-Line Booster Pumps

Simple, compact and low cost pump for boosting pressure in manual or electric pump systems. Fits unsupported into pipework. Low current draw and low noise.

Part No	73099	73098
Whale No	GP1392	GP1692
Model	Premium 991	High Flow 925
Voltage	12V	12V
Fuse Size	5A	5A
Weight	150g	150g
Hose Connections	10mm or 13mm (3/8" or 1/2")	
Ltr/min @ 0m head / Amps	13.2ltr / 3.6A	15.8ltr / 3.8A
Ltr/min @ 1m head / Amps	11.75ltr / 3.3A	14.8ltr / 3.7A
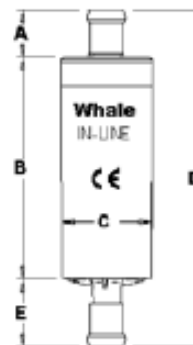
A - 20mm
B - 88mm
C - 36mm
D - 134mm
E - 27mm

In-line pump

Jabsco HotShot 3 Series Marine Washdown Pump

Years of clean decks and satisfaction in the form of robust and reliable high-flow and high-pressure diaphragm pumps. This kit includes a strainer, hose connectors and a trigger nozzle,

12V

3 GPM (11 LPM)

50 PSI (3.4 BAR)

Part No	Description
75284	12V Jabsco HotShot 3 Washdown Pump

Washdown Quick Release Connector

Flush mount quick release connector in AISI316 Stainless Steel

Connections: Deck fitting: 13mm (1/2" BSP) female Bayonet: 19mm (3/4" BSP) Male

Dimensions: 73mm diameter, 95mm high

Connects and disconnects under full pressure

Positive lock bayonet connector

For use with HoseCoil Washdown hoses

Part No	Description
75250	Quick Release Washdown Connector

Jabsco Self-priming diaphragm pump 12 volt d.c.

Connections for 19mm (¾") bore hose

Dimensions: 294 mm long, 159mm wide, 132mm high

Fuse Size: 10(amp)

Maximum Current: 8(amps)

Output: up to 16 litres/minute (3.5 gallons/minute). Maximum recommended total head 6m

Robust, quiet single diaphragm design

No strainer required

Single diaphragm design allows extended dry running

Self-primes up to 3m (9.5ft) vertical lift

Multi-positional ports for easy mounting

Rated for up to 30 minutes continuous running

Part No	Description
75249	Self Priming 12V Diaphragm Pump
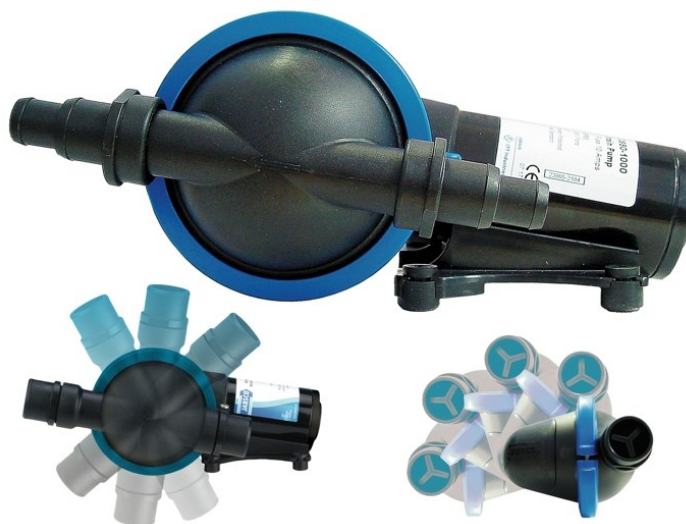
0.6L Jabsco Accumulator Tank

Connections: for 13mm (½") bore hose or threaded ports.
Dimensions: 214mm long, 119mm wide, 110mm deep.
Output: volume nominal 0.6 litre, working capacity up to approximately 0.3 litres.
Plastic vessel with internal membrane. May be mounted in any attitude. Compact size for small pressure systems (typically 1 - 2 outlets).
Supplied with 2 snap-in connectors for 13mm (½") bore hose.

Part No	Description
75240	Accumulator Tank 0.6L

1L Jabsco Accumulator Tank

Connections for 13mm (½") bore hose or threaded ports.
Dimensions: 340mm long, 120mm wide, 110mm deep.
Output: volume nominal 1 litre, working capacity up to approximately 0.5 litres
Plastic vessel with internal membrane. May be mounted in any attitude. Compact size for small pressure systems (typically 1 - 2 outlets).
Supplied with 2 snap-in connectors for 13mm (½") bore hose

Part No	Description
75241	Accumulator Tank 1L

2L Jabsco Accumulator Tank

Connections: ½" BSP external threaded.
Dimensions: 230mm high, 125mm diameter.
Output: nominal 2 litres, working capacity up to approximately 1 litre. Enamelled steel vessel with stainless steel flange and internal rubber membrane. For small to medium-sized pressure systems. May be mounted in any attitude. Stainless steel and rubber wetted parts. Maximum Recommended Working Pressure - 4 bar (60psi)

Part No	Description
75243	Accumulator Tank 2L

8L Jabsco Accumlator Tank

Connections: - ¾" BSP external threaded.
Dimensions: - 330mm high, 205mm diameter.
Output: - nominal 8 litres, working capacity up to approximately 4 litres. Enamelled steel vessel with stainless steel flange and internal rubber membrane. For small to medium-sized pressure systems. May be mounted in any attitude. Stainless steel and rubber wetted parts. Optional bracket kit for mounting on any flat surface. Maximum Recommended Working Pressure - 4 bar (60psi)

Part No	Description
75251	Accumulator Tank 8L

Accumulator Tank Bracket Kit

Fit 2 litre, 5 litre and 8 litre tanks

Part No	Description
75244	Accumulator Bracket Kit
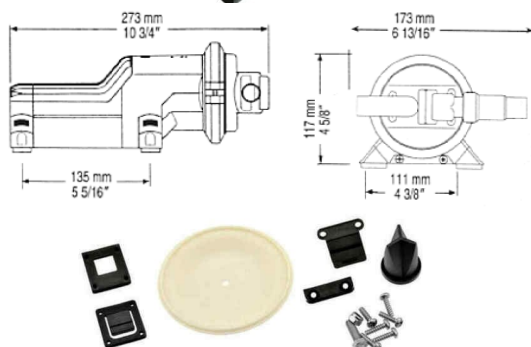
Gulper 220 Service Kit AK1550

6 x screw No.6 x 1/2" (valve plates), 1 x body, 1x inlet valve, 1 x outlet valve, 1 x diaphragm, 1 x nut nylon M5, 1 x screw M5 x 16 (clamping plate), 1 x outlet valve tricuspid, 1 x Inlet valve plate.

Part No	Description
73142	Service Kit AK1550

AK1005 Service Kit

Whale Grey Waste Tank Lid Replacement With Sensor.

Part No	Description
73076	AK1005 Service Kit

Gulper 220 Shower Drain & Waste Water Pump

Specially designed to pump waste water at up to 14 litres per minute with low power consumption and minimal noise. Has a large single diaphragm and virtually unblockable valves. It is self-priming up to 3m, will run dry without damage and will pump a mixture of air and water. Can be mounted almost anywhere and is easy to install in confined places.

Part No	73092	73093
Voltage	12V	24V
Fuse Size	5A	2.5A
Weight	1.75Kg	
Hose Connections	19mm (3/4")	
Max Head	3m	
Max Lift	3m	
Ltr/min @ 0m Lift, 1m Head	13.4 ltr / 3.5 amps	13.4 ltr / 1.75 amps
Ltr/min @ 1m Lift, 1m Head	12.6 ltr / 4 amps	12.6 ltr / 2 amps

Grey Waste Tank

Designed to collect waste water from showers, sinks, ice-makers etc and, in conjunction with a Gulper 220 pump, automatically discharges the water through a single skinfitting. The tank contains a relay protected float switch to activate the pump when it fills with water. 4 inlet spigots each with two different dimensions to enable a variety of different hose sizes to be connected.

Part No	73077
Inlet hose connections	13mm (1/2") x 1, 19mm (3/4") x 3 25mm (1") x 3, 38mm (1 1/2") x 1
Outlet hose connection	19mm (3/4") x 1
Dimensions	330mm X 250mm X 170mm
Capacity	9 Litres
Float Switch	Max current: 15A. 6 - 32V only
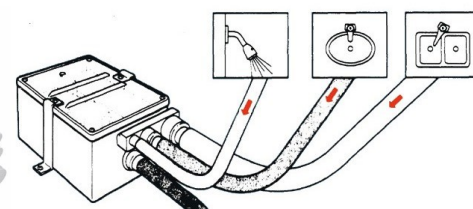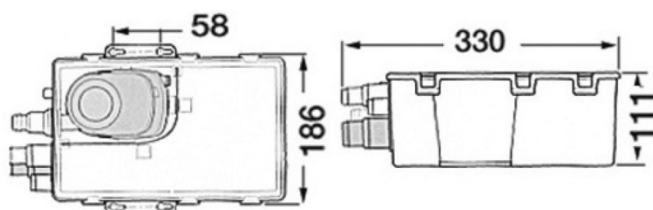
Attwood Sahara Shower Sump Systems

Designed to centralize all drains (showers, sinks, kitchens, bathrooms, etc). Fitted with check valve to prevent bad odours. Quick inspection snap cover.

Part No	Description	Current Draw	Max Flow Litres Min	Max Head	Dimensions
75090	12V Sump Waste Tank	2.5 Amps	41	3M	330mm x 186mm x 111mm h
75091	24V Sump Waste Tank	1.3 Amps	41	3M	330mm x 186mm x 111mm h

Jabsco Manual Twist n Lock Toilet Compact Bowl (29090-5000)

Connections: for 19mm (¾") bore inlet hose, 38mm (1½") bore discharge hose
Dimensions: 455mm wide, 425mm deep, 345mm high (compare with regular size bowl model)
White vitreous china bowl, enameled wooden seat and cover.
Reversible pump mounting for left or right-handed installation.
Crevice-free contours and smooth moldings for added hygiene.
Multi-angled discharge elbow for ease of installation.
Corrosion-resistant materials for fresh or salt water service.
All fastenings face front or top for ease of maintenance.
Weight: 10.80 Kg

Part No
75233

Jabsco Toilet Cleaner 1ltr

Part No
61109

Jabsco Manual Twist n Lock Toilet Regular Bowl (29120-5000)

Connections: for 19mm (¾") bore inlet hose, 38mm (1½") bore discharge hose
Dimensions: 470mm wide, 485mm deep, 345mm high (compare with compact bowl model)
White vitreous china bowl, enameled wooden seat and cover. Reversible pump mounting for left or right-handed installation. Crevice-free contours and smooth moldings for added hygiene. Multi-angled discharge elbow for ease of installation. Corrosion-resistant materials for fresh or salt water service. All fastenings face front or top for ease of maintenance.
Weight: 13 Kg

Part No
75230

Jabsco Joker Valve

29092-1000

Part No
75236

Jabsco Twist n' Lock' Pump Assembly (29040-3000)

For 29090 & 29120 series toilets. Includes base valve gasket.
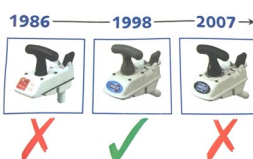
Part No
75229

Jabsco Service Kit 1998-2006 (29045-2000)

Service Kit (includes seal & gaskets) For 2000 series toilets and 29090-2 & 29120-2 series toilets

Part No
75235

Jabsco Service Kit 2007 onwards (29045-3000)

Service Kit (includes seal & gaskets) For 3000 'Twist n' Lock' Series Toilets

For 29090-3 & 29120-3 series toilets

Part No
75231

Jabsco Regular Toilet Seat Wood (29127-1000) Includes Hinges

Part No
75232

Jabsco Compact Toilet Seat Wood (29097-1000) Includes Hinges

Part No
75239

Jabsco Hinge Set 29098-1000

Hinge Set - For wooden Seat/Lid Assembly

Part No
75237

Jabsco Hinge Set 29098-2000

Hinge Set - For wooden Seat/Lid Assembly

For current regular size.

Part No
75238

Manual To Electric Toilet Conversion Kit

Used to convert manual Jabsco toilets into electric toilets. Complete support that replaces the manual pump. Inlet/outlet pipes shall not be replaced.

Part No
75255

Gulper Toilet Waste Pumps

Designed to pump toilet waste at up to 18 litres per minute with minimal noise and is virtually unblock able. It is self-priming up to 3m, will run dry without damage, will pump a mixture of air and waste and will also pump unmacerated waste. Can be mounted almost anywhere and is easy to install in confined places. Features a rotatable inlet / outlet body to suit installation needs.

Part No	73094	73095
Whale No	BP2552B	BP2554B
Voltage	12V	24V
Fuse Size	15A	10A
Weight	2.12Kg	
Hose Connections	38mm (1 1/2")	
Max Head	3m	
Max Lift	3m	
Max Lift & Head	3m	
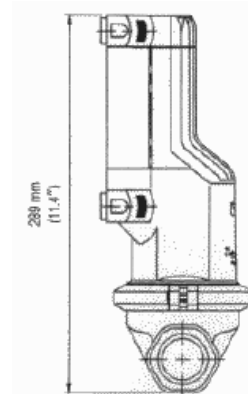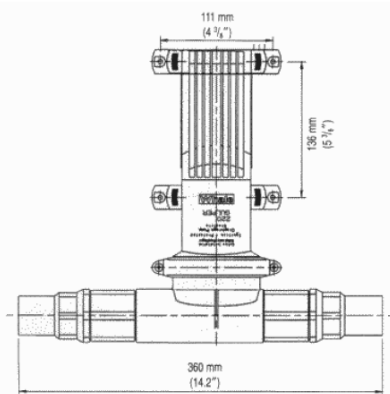
Part No	Description
73141	Service Kit AK1557

Gulper 320 High Capacity Waste Water Pump

High capacity pump (24ltr /min) for fast drainage in grey waste systems. The gulper 320 incorporates non-choke valves with the capability to pump an air / water mixture and to run dry without suffering damage. Installation is easy, thanks to a new three foot design and the 'Ezi-clamp' locking ring which allows the head to be quickly twisted into the desired position. There are also new barbed connections for connection to either 1" (25mm) or 3/4" (19mm) hoses.

Part No	73069	73070
Whale No	BP2052	BP2054
Voltage	12V	24V
Fuse Size	10A	5A
Weight	1.59Kg	
Hose Connections	19mm (3/4") & 25mm (1")	
Ltr/min @ 0m Lift, 1m Head, 19mm hose	22.8 ltr / 7.5 amps	22.8 ltr / 3.25 amps
Ltr/min @ 1m Lift, 1m Head, 19mm hose	20.8ltr / 7.5 amps	12.6 ltr / 3.25amps
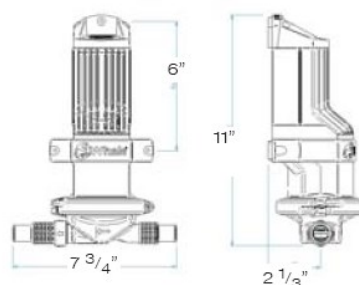
Part No	Description
73071	Gulper 320 Service Kit AK2050

Teak Toilet Paper Holder

Traditional, stylish and practical.

Part No
96415
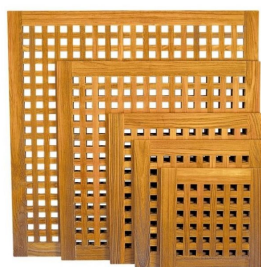
Square Teak Grating

Available in 2 sizes.

Part No	Description
96404	400 x 400mm
96410	800 x 800mm

Whale IC Grey Water Two Way Manifold WM1982B

Two way manifold with Whale Intelligent Control built in. The IC manifold can be used with a Whale Gulper pump to create a grey water disposal system. The manifold accepts two waste inputs and senses water through the wall. This relays information to the Gulper IC pump to turn on and pump the waste water.

This Whale WM1982B IC manifold is supplied with 2 metres of cable and has 19mm ports.

Part No	Description
75262	Whale IC Grey Water Two Way Manifold

Flow capacity	3.7 gpm (14 lpm)
Max Pressure	60 psi (4.3 bar)
Height	9" (228.6mm)
Max Diameter	4" (101.6mm)
Depth inc ports	5 1/2" (139.7mm)
Hose Connections	1/2" (13mm)

Aqua Filta Water Filter

Aqua Filta is an activated carbon water filter that removes chlorine, unpleasant smells, tastes and colours from marine water systems and uses specially silver-impregnated carbon to inhibit bacterial growth in the filter bed. Aqua Filta absorbs dissolved impurities but retains beneficial mineral salts, thus freshening and cleansing water to make it natural tasting, sweet smelling and crystal clear. The filter head is permanently fixed and the replaceable cartridges can be changed quickly and easily. The inlet / outlet ports can be rotated through 180° to allow installation in confined spaces.

Part No	Description
74300	Aqua Filta
74301	Replacement Cartridge

Aqua Midi Water Purification Tablets

Rapid dissolving effervescent tablets for treating stored water. Each tablet purifies 25 lts of water. Tablets are foil wrapped to remain stable for 5 years or more. The formulation contains dichloroisocyanurate, an organic chlorine donor with superior disinfection capacity. Manufactured to strict specifications to ensure an accurate dose. Convenient, simple to use method of purifying stored water.

Part No	Description
74302	Pack of 32 water purification tablets

Aqua-Source Clean In-Line Filter

An easy to install in-line water filter designed to remove unpleasant tastes and odours. Contains silver to inhibit bacterial growth. The filter is slim, compact and will last one full season or 4500 Litres. Suitable for use with pressures of up to 4 bar (60psi). Available to fit 3/8" hose or 15mm Quick Connect.

Part No	Description
73156	Aquasource Water Filter 12mm
73157	Aquasource Water Filter 15mm

Tuckaway and Telescopic Faucets / Taps

Simple, lightweight faucets suitable for use with Whale foot or electric pumps. Not suitable for pressurised water   systems.
13mm (1/2") hose connections.

Part No	Description	Whale No
73091	Tuckaway Faucet	FT1268
73090	Telescopic Faucet	FT1152

Tuckaway Faucet

Telescopic Faucet

Flipper Pump Tap MK 4

A self-priming freshwater pump with swivelling outlet and light 'to and fro' pumping action. Ideal for use with two sinks. Output of 7 litres per minute. 5 year warranty.

Part No	Description	Whale No
73082	Flipper Pump	GP0418
73083	Service Kit MK3/MK4	AK0405

V Pump Tap Mk 6

Vertical, self-priming freshwater and saltwater pump with angled spout and adjustable height. Ideal where space is limited. Narrow base allows installation between two sinks. Delivers a smooth discharge on each stroke.

Part No	Description	Whale No
73080	V Pump Mk 6	GP0650
73081	Service Kit	AK0618
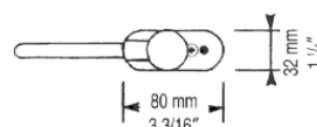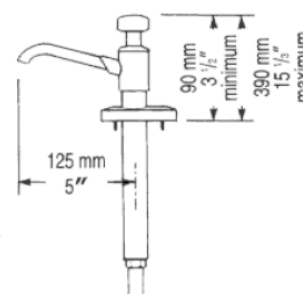
Babyfoot Pump Mk 2

Compact , low-cost, self-priming freshwater foot pump. Easy to install and useful in restricted spaces. Angled foot operation for more comfortable pumping. Can be used to prime Whale in-line booster pumps.

Part No	Description	Whale
73088	Babyfoot Pump Mk 2	GP4618
73089	Service Kit	AK4615
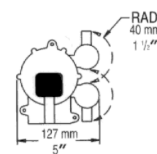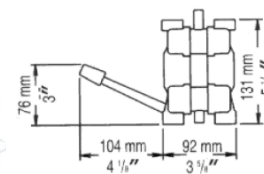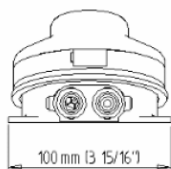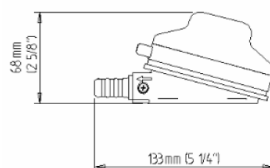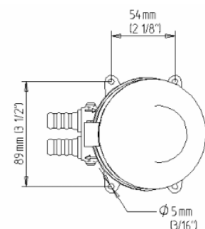
Gusher Galley Pump Mk 3

Self-priming galley pump with smooth, double action. Multi-directional inlet and outlet nozzles. 16 litres per minute. Can be used to prime Whale in-line booster pumps.

Part No	Description	Whale
73084	Galley Pump Mk 3	GP0550
73085	Service Kit	AK0553
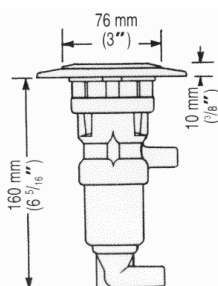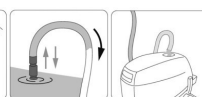
Tip-Toe Pump Mk 4

Self-priming freshwater foot pump designed for neat thru-floor mounting. The plunger locks down flush with the floor when not in use. Comfortable for bare foot use and has an easy, smooth action.

Part No	Description
73086	Tip-Toe Pump Mk 4 GP1309
73087	Service Kit AK1304

Top Entry   Side Entry

Strum Boxes

Stops bilge debris from entering suction hoses and incorporates a non-return valve to prevent drain-back. Available in either top entry or side entry versions. Suitable for 25mm (1") or 38mm (1 1/2") hose.

Part No	Description
73031	Top Entry Strum Box SB5865
73030	Side Entry Strum Box SB4222

Manual Siphon Pump

This siphon pump easily transfers any liquid (water, diesel, petrol, etc.) from a container to another preventing dirt and fatigue. Place the pump into the container with the liquid and the end of its hose into the transfer container; take care to place the second container at a slightly lower level. Stir the pump in the liquid to let it rise up to the hose gooseneck and make it fall into the other container. Disconnect the pump from the hose to stop the flow. Made of copper and supplied with 1.7-m hose. No electricity required, fast, safe and clean. minimum Ø hose mm 14. Tube Ø 15mm. Flow 10 l/min.

Part No	Description
90559	Manual Siphon Pump

Pipe Connectors

Elbows are designed to fit onto pump spigots to allow a hose to connect to the pump at 90°. The Y connector enables two pumps to discharge through a single line.

Part No	Description
73037	25mm (1") Elbow (EB3364)
73036	38mm (1 1/2") Elbow (EB3488)
73035	38mm (1 1/2") 'Y' Piece (YP6114)

Whale Easy Bailer Pumps

Whale's hand held pump for easy bail out on board small boats. Portable light weight design. Suitable for bilge water or diesel transfer. Easy to use pump action handle. Flexible hose can be easily directed to hard to reach bilge areas.

Part No	Description
73062	Short Pump (470mm) Easy Bailer 35
73063	Long Pump (673mm) Easy Bailer 55

Performance Data

Lift	Head	45 Strokes / Min	70 Strokes / Min
0m	0.5m	19 ltr	31.4 ltr
1m	0.5m	19 ltr	31 ltr

Vetus Single action plunger pump

Sturdy plunger pump suitable for fresh water, seawater or other fluids normally present in the bilge.
Material: durable plastic (PP).
Temperature resistant to max. 60 °C
Ergonomically shaped handle.
Self priming.
Hose length: 980mm
Hose I.D.: 28mm.

Part No	Description
58631	0.5 Litre Stirrup Pump
58632	0.8 Litre Stirrup Pump

Soft Motor Flusher

Rectangular motor flusher with hose adaptor. Moulded rubber PVC on 8mm painted steel handle. Helps extend engine life by preventing corrosion by standing sea water, sand and silt.
Designed for outboard engines with side water inlets.
No tools required.

Part No	Description
76164	Motor Flusher (Soft)

Heavy Duty Motor Flusher

Heavy duty, twin sided, Rectangular motor flusher with hose adaptor. Moulded rubber PVC on 8mm painted steel handle. Helps extend engine life by preventing corrosion by standing sea water, sand and silt. Designed for outboard engines with side water inlets. No tools required.

Part No	Description
76154	Motor Flusher (Heavy Duty)

Passivated Steel Sump Pump

A simple and convenient solution to changing oil, especially on engines with inaccessible drain plugs. Also ideal for transferring diesel between tanks or to fill small day tanks. 15 strokes per litre.

Barrel Diameter: 29mm.

Part No	Description
74205	Sump Pump

Brass Oil change hand pump 300mm long .

Part No	Description
76152	Brass Oil Change Pump

Rule Hi Speed Dinghy Inflator 12V

Dimensions: 135mm high, 55mm hand grip diameter. Maximum Current: 25(amps). Inflates a 4 man dinghy in less than 2 minutes using a powerful 300w motor. Supplied with nozzles for all major inflatable boats and valve types. Deflates a dinghy flat and ready to pack. One handed operation. Airflow 550L / Minute (20ft/min) 25 Amps Max. Air release valve protects from overinflating and overheating 3m (10ft) cable with battery clips.

Part No	Description	Rule
75274	Rule Hi Speed Dinghy Inflator 12V	ID20
75276	Rule Inflator Adaptor Kit	ID20K

653-0001-P

Jabsco Neoprene Impeller & Gasket Kit
6 blades, pin drive, shaft diameter 12mm, impeller diameter 51mm, impeller width 22mm.
Replaces Johnson 09-810B Impeller

Part No	Description
75300	653-0001-P

673-0001-P

Jabsco Neoprene Impeller & Gasket Kit
6 blades, pin drive, shaft diameter 12.7mm
impeller diameter 50.8mm impeller width 22mm
Directly replaces Johnson 09-1026B impeller & Volvo 875808 & 804696 impellers
Also Perkins 24880194 Impeller, Vetus IMP00101 Impeller, Lombardini LDW1204M, LDW602M, LDW903 Impellers .

Part No	Description
75302	673-0001-P

920-0001-P

Jabsco Neoprene Flexible Impeller Kit

Includes gasket & impeller lubricant. neoprene impeller, 8 Blades. Splined drive, shaft diameter 16mm (5/8")

This Jabsco Impeller directly replaces the following :
Johnson 09-1028B impeller, Volvo 801277, 825941, 877061-2 impellers, Perkins 0460024, 24880178 impeller, Cummins 650607 impeller.

Part No	Description
75304	920-0001-P

1210-0001-P

Jabsco Flexible Neoprene Impeller & Gasket Kit
12 blades, splined drive,
shaft diameter 5/8" (16mm) impeller diameter impeller diameter 57.1mm, width 31.5mm
This Jabsco impeller directly replaces the following:
Onan 132-0162 impeller Johnson 09-1027B impeller, Volvo impellers 860203, 3856039-7, 875811-2, Perkins 0460038 impeller, Yanmar 129470-42530 impeller

Part No	Description
75306	1210-0001-P

1414-0001-P

Jabsco Neoprene Impeller & Gasket Kit
6 blades, comes with gasket single flat drive, shaft diameter 8mm impeller diameter 32mm
impeller depth 12mm
(Not to be used in Yanmar 1GM10)

Part No	Description
75308	1414-0001-P

4528-0001-P

Jabsco Neoprene Flexible Impeller
6 Blades, comes with gasket
pin drive, shaft diameter 9.5mm impeller diameter 40mm, blade length 19mm
Fits 22830-2201 Jabsco pump, along with other pumps.
This Jabsco impeller directly replaces :
Johnson 09-806B impeller ,Volvo 803729 impeller, Perkins 24990272 impeller,
Onan 132-0859 ,Sherwood 9979, Yammar 104211-42070

Part No	Description
75310	4528-0001-P

4568-0001-P

Jabsco Neoprene Impeller & Gasket Kit
Fits Jabsco 4900 series pump.
Key drive, shaft diameter 5/8" (16mm).
Overall impeller diameter 57.1mm.
Width 31.5mm. This Jabsco impeller directly replaces:
Johnson 09-801B impeller,
Volvo 831182, 875575-3 impellers
Yanmar 124310-46090 impeller.

Part No	Description
75312	4568-0001-P

6303-0003-P

Jabsco Nitrile Flexible Impeller & Gasket Kit
Oil resistant. Single flat drive, plastic insert. Shaft diameter 8mm, diameter 51mm, depth 22mm, Replaces Johnson 09-824P impeller. Fits Jabsco 23680 Water Puppy pump.

Part No	Description
75314	6303-0003-P

17937-0001-P

Jabsco Neoprene Flexible impeller Kit
Spline drive, c/w spline seal and gasket.
Diameter 65mm,10 blades ,Blade length 51mm. Fits most 1" ported pumps Jabsco & Johnson. This Jabsco impeller will replace The following :
Yanmar :127610-42200, Perkins : 0460024 & 24880031Volvo : 801277 & 877061-2 & 825941
Caterpillar : 7C-3286
Sherwood :18200

Part No	Description
75316	17937-0001-P

21414-0001-P

Jabsco Neoprene Impeller & Gasket Kit
6 blades, single flat drive,
Shaft diameter 8mm impeller diameter 32mm Impeller depth 12mm
(Fitted To Yanmar 1GM10)

Part No	Description
75318	21414-0001-P

18777-0001-P

Jabsco Neoprene Impeller & Gasket Kit
Directly replaces 22120-0001 impeller spline drive, 10 blades,
Shaft diameter 16mm, impeller diameter 57mm, impeller depth 51mm .

Part No	Description
75320	18777-0001-P

22405-0001-P

Jabsco Neoprene Impeller & Gasket Kit
6 blades, pin drive, shaft diameter 12mm. Impeller diameter 40mm, Width 19mm. Directly replaces Johnson 09-808 impeller and Volvo 833995 & 875583-7.

Part No	Description
75322	22405-0001-P

Bilge Pumps - Manual

Whale®
WATER SYSTEMS SPECIALIST

Gusher Urchin

Compact, lightweight bilge / waste water pump for small to medium sized boats. Pumps up to 43 litres per minute. Has dual size nozzles to fit either 1" (25mm) or 1 1/2" (38mm) hose and can be used for diesel transfer when fitted with nitrile rubber internals. Max priming height: 4m, Max head: 3m. Available in three variants to suit your requirements. 5 year warranty.

Part No	Description
73013	On Bulkhead Fixed Handle (BP9005)
73014	On Bulkhead Removable Handle (BP9021)
73015	Thru Deck / Bulkhead (BP9013)

Performance Data			
Lift	Head	60 Strokes / Min	70 Strokes / Min
1" (25mm) Hose Bore			
1m	0.5m	34L	43L
2m	0.5m	33L	40L
1 1/2" (38mm) Hose Bore			
1m	0.5m	50L	55L
2m	0.5m	48L	53L

301mm · 249mm · 227mm
On Bulkhead Fixed Handle

235mm · 399mm · 226mm
On Bulkhead Removable Handle
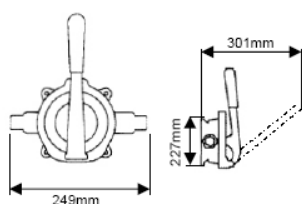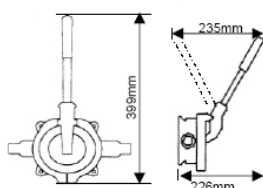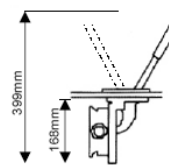
399mm · 168mm
Thru Deck / Bulkhead

Gusher Urchin Service Kits

AK9003 Neoprene

Contains:
1 x Diaphragm
1 x Inlet Valve
1 x Outlet Valve
2 x Circlips Small
2 x Circlips Large

AK9011 Nitrile

AS9061

Contains:
1 x Short Fulcrum Pin
1 x Fork
2 x Circlips Small
2 x Circlips Large
1 x Long Fulcrum Pin (underdeck)
1 x Fulcrum Pin (removable handle)

AS9062

Contains:
1 x Clamping Ring
1 x Pinching Screw
1 x Nut
2 x Circlips Small
2 x Circlips Large

AS9064

Contains:
1 x Underdeck Clamping Ring
1 x Pinching Screw
4 x Inserts
1 x Nut
2 x Circlips Small
4 x Circlips Large

AS9066
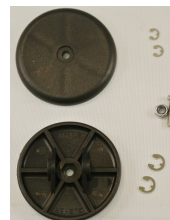
Contains:
1 x Clamping Nut Nyloc
1 x Inner Clamping Plate
1 x Outer Clamping Plate
1 x Clamping Screw
2 x Circlips Small
2 x Circlips Large

AS8680

Contains:
1 x Stainless Steel Handle 240mm
1 x Lanyard

AS9060

Contains:
1 x Lever Sleeve (Black)
1 x Lever
1 x Short Fulcrum Pin
2 x Circlips Small
2 x Circlips Large
1 x Fulcrum Pin

Part No	Whale	Description
73016	AK9003	Service Kit (Neoprene)
73017	AK9011	Service Kit (Nitrile)
73117	AS9061	Fork Assembly
73118	AS9062	Clamping Ring Kit (Std)
73122	AS9064	Clamping Ring Kit (Underdeck)
73120	AS9066	Inner / Outer Clamping Plate Kit
73121	AS8680	Handle Assembly
73139	AS9060	Lever Kit (Std)

Gusher Titan

Easy to install, self-priming and lightweight bilge / waste pump constructed from corrosion resistant materials. Spring assisted outlet valve for easy priming. Max output of 105 L / min. Available in either bulkhead or deck mounting models. Suitable for pumping diesel when fitted with nitrile rubber internals. 5 year warranty. Hose connections: 38mm (1 1/2"). Max priming height: 4m, max head: 4m.
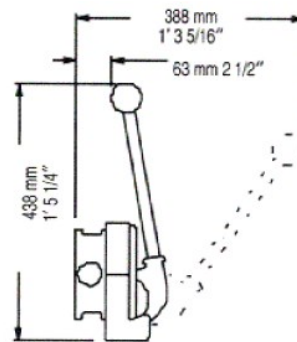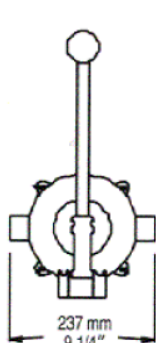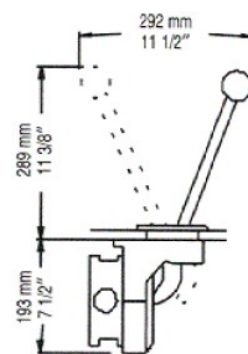
Part No	Description
73008	Bulkhead Pump (BP4402)
73009	Thru-Deck Pump (BP4410)

Performance Data

Lift	Head	45 Strokes / Min	70 Strokes / Min
1m	0.5m	67 L	105 L
2m	0.5m	65 L	98 L

Bulkhead Mounting

Thru-Deck Mounting

Gusher Titan Service Kits

AK4400 Neoprene

Contains:
4 x Circlips
6 x Screws
1 x Outlet Valve Spring
1 x Clamping Nut
1 x Outlet Valve Plate
1 x Inlet Valve Plate
1 x Outlet Valve
1 x Inlet Valve
1 x Diaphragm

AK4419 Nitrile

AS4406

Contains:
4 x Circlips
1 x Standard Operating Lever
1 x Lever Fulcrum Pin
1 x Standard Fulcrum Pin

AS4407

Contains:
2 x Nuts
2 x Screws
1 x Top Clamping Ring
1 x Bottom Clamping Ring
4 x Circlips

AS4412

Contains:
1 x Clamping Bolt
1 x Clamping Nut
1 x Outer Clamping Plate
1 x Inner Clamping Plate
4 x Circlips

AS4409

Contains:
2 x Nuts
4 x Circlips
4 x Inserts for Underdeck Clamping Ring
2 x Screws
1 x Underdeck Clamping Ring
1 x Top Clamping Ring

AS4408

Contains:
4 x Circlips
1 x Underdeck Operating Lever
1 x Underdeck Fulcrum Pin
1 x Lever Fulcrum Pin

Part No	Whale	Description
73011	AK4400	Service Kit (Neoprene)
73012	AK4419	Service Kit (Nitrile)
73007	DP8904	Deck Plate & Cover
73112	AS4406	Lever Kit
73113	AS4407	Clamping Ring Kit
73114	AS4412	Clamping Plate Kit
73115	AS4408	Under Deck Lever Kit
73116	AS4409	Under Deck Clamping Ring

DP8904

The Whale DP8904 deck plate is suitable for use with the following Whale pumps: Gusher Urchin BP9005, Gusher Urchin BP9013, Gusher 10 BP3708, Gusher 10 BP3740, Gusher Titan BP4402 and Gusher Titan BP4410.

Pumps

Gusher 10

Robust, self-priming, die cast alloy bilge pump with non-choke valves. Easy to install and maintain. Approved for use in lifeboats and also suitable for diesel transfer when fitted with nitrile rubber internals. Available in either bulkhead / on-deck mounting or thru-deck. Hose connections: 38mm (1 1/2"). Max priming height: 4m, max head: 4m.

Part No	Description
73004	Thru-Deck Mounting (Bulkhead) (BP3740)
73005	Deck / Bulkhead Mounting Pump (BP3708)
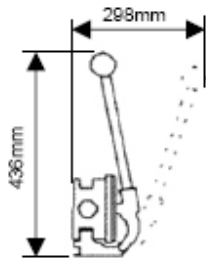
Bulkhead / Deck Mounting
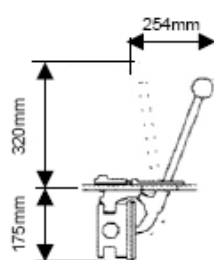
Thru-Deck Mounting
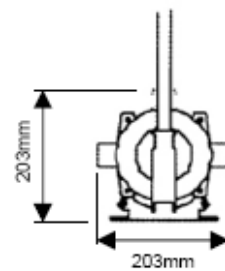
Performance Data

Lift	Head	60 Strokes / Min	70 Strokes / Min
1m	0.5m	74L	85L
2m	0.5m	73L	81L

Part No	Whale	Description
73019	AK3706	Service Kit (Neoprene)
73020	AK3714	Service Kit (Nitrile)
73007	DP8904	Deck Plate
73108	AS3719	Eyebolt & clamping plate
73109	AS3780	Fork Assembly
73110	AS4405	Handle Assembly
73111	AS3723	Outlet Valve Plate
73068	AK3528	Service Kit (Nitrile)

Gusher 10 Service Kits

AK3706 Neoprene

AK3714 Nitrile

Contains:
2 x Valves (Mk. 2 pump only)
4 x Screws
2 x Bridge Pieces
1 x Diaphragm
1 x Buffer
2 x Valves (Mk.3 pump only)
1 x Gasket (Mk. 3 pump only)

DP8904

The Whale DP8904 deck plate is suitable for use with the following Whale pumps: Gusher Urchin BP9005, Gusher Urchin BP9013, Gusher 10 BP3708, Gusher 10 BP3740, Gusher Titan BP4402 and Gusher Titan BP4410.

AS3719

Contains:
2 x Clamping Plates
1 x Nut
1 x Fulcrum Bush
1 x Eyebolt
1 x Buffer
1 x Label

AS3780

Contains:

1 x Fork
1 x Insert Fork
2 x Bolts
2 x Fulcrum Sleeves
2 x Nylocs

AS4405

Contains:

1 x Handle Assembly
1x 330mm Lanyard

AS3723

Contains:
4 x Screws
1 x Bridge Piece
1 x Valve
1 x Valve Plate
1 x Gasket

Gusher 30

High capacity, dual-action die-cast alloy bilge pump with a maximum output of over 160 litres per minute. Fitted with nitrile rubber internals to cope with oily bilge water, effluent and diesel. Twin diaphagms ensure the pump continues working if one is damaged. Can be mounted on deck, bulkhead or under-deck. Approved as an emergency fire pump by Lloyds register. 5 year warranty. Hose connections: 38mm (1 1/2"). Max priming height: 4m, max head: 4m.

Part No	Description
73000	Deck Mount Pump (BP3000)
73001	Bulkhead Pump (BP3010)
73002	Thru-Deck Pump (BP3020)
73003	Service Kit (Nitrile) AK3051

Performance Data

Lift	Head	60 Strokes / Min	70 Strokes / Min
0m	0.5m	141 L	163 L
1m	0.5m	136 L	159 L
2m	0.5m	136 L	159 L
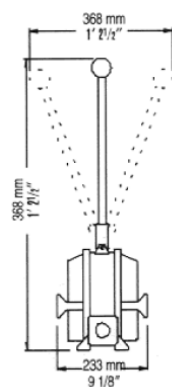
On-Deck Mounting
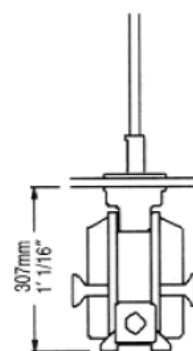
Thru-Deck Mounting
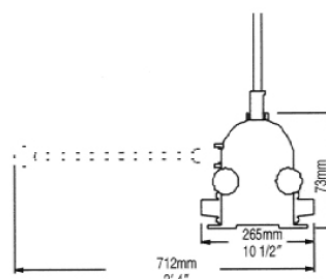
Bulkhead Mounting

Gusher 30 Service Kits

AK3051 Nitrile

Contains:
2 x Screws No. 6 x 1 1/4
2 x Diaphragms
2 x Inlet valves & Gaskets
1 x Outlet Valve
2 x Valve Retainers
2 x Valve Chamber Gaskets
4 x Washers Nylon M10
2 x Buffers

AS3015

Contains:
1 x Fork Insert
1 x Lever & Bush
2 x Buffers
1 x Nyloc M6
1 x Nyloc M8
2 x Clamping Screws
1 x Connecting Rod & Bush
1 x Lever Fulcrum Bolt
1 x Body Fulcrum Bolt

AS3016

Contains:
2 x Nylocs M8
2 x Studs
2 x Washers Nylon M10
2 x Hand Wheel Nuts

AS3020

Contains:
4 x Nuts M6
4 x Washers M6
1 x Lid
1 x Deckplate
1 x O Ring (Deckplate Lid)
4 x Nyloc Nuts M6
1 x Gaiter
1 x Underdeck Bracket
4 x Screws Hex Head M6 x 20
4 x Screws M6 x 50

AS3014
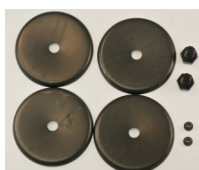
Contains:
4 x Clamping Plates
2 x Clamping Screws
2 x Buffers

AS3095

Contains:
1 x Handle Assembly
Stainless Steel 450mm

Part No	Whale	Description
73003	AK3051	Service Kit (Nitrile)
73100	AS3015	Lever Assembly
73101	AS3016	Hand Wheel & Stud
73105	AS3020	Deck Plate Kit
73106	AS3014	Clamping Plate Kit
73107	AS3095	Handle Assembly

MK V Universal Bilge/Water Transfer Pump

Lightweight and robust plastic bodied pump suitable for a number of applications. It has a rotatable body and inlet / outlet to suit hose direction, and it has easy access for inspection / cleaning. Also features a protected diaphragm and inspection port, non-choke valves and odour proof seals. Suitable for pumping diesel and is approved by Lloyds (MSA) and USCG as a lifeboat bilge pump. Can be installed on deck, thru-deck, on bulkhead or thru-bulkhead. 5 year warranty. Hose connections: 38mm (1 1/2"). Max lift: 4.5m, max head: 4.5m

Part No	Description
73050	Mk V Pump BP0510
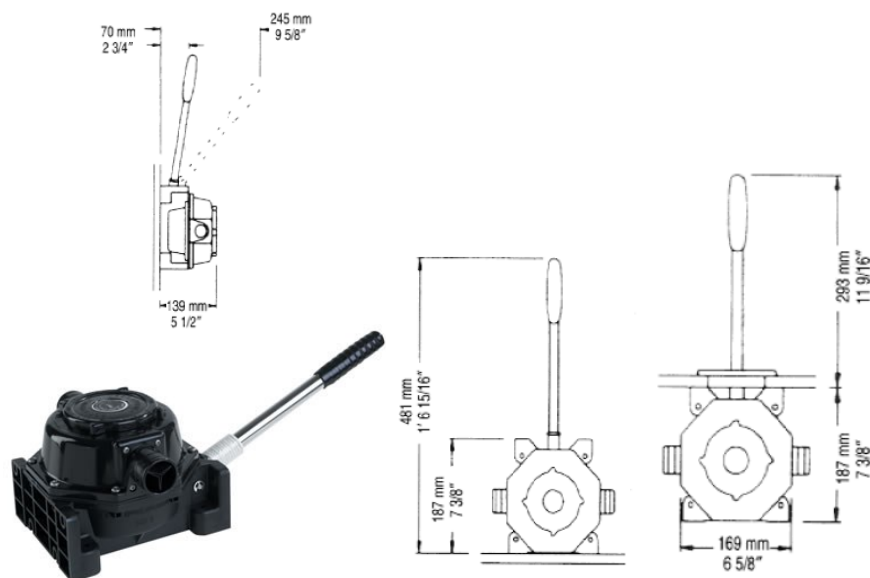
Performance Data

Lift	Head	60 Strokes / Min	80 Strokes / Min
1m	0.5m	56 L	75 L

Mk V Universal Service Kits

AK8050

Contains:
1 x Inlet Valve Plate
1 x Inlet Valve
2 x Valve Screws Short
1 x Top Cover Seal
1 x Diaphragm
1 x Outlet Valve
2 x Valve Screws Long
2 x Circlips Small
2 x Circlips Large
8 x Screws M5 x 25
8 x Nuts M5

Part No	Whale	Description
73052	AK8050	Service Kit (Nitrile)
73049	DP9906	Deck Plate Kit & Lid
73150	AS0511	Handle Assembly
73123	AS0522	Front Cover
73124	AS0521	Rocker Arm
73125	AS0561	Diaphragm Plate
73126	AS0531	Underdeck Rocker Arm

AK0522

Contains:
1 x Top Cover
1 x Front Cover/Body Black
1 x Inlet Valve Plate
1 x Inlet Valve
2 x Valve Screws Short
1 x Top Cover Seal
8 x Assembly Screws
1 x Outlet Valve
2 x Valve Screws Long

AK0521

Contains:
1 x Rocker Arm
1 x Pivot Arm
1 x Rocker Arm Nut
1 x Pivot Pin
1 x Hinge Pin
2 x Circlips Large
2 x Circlips Small

AS0511

Contains:
1 x Stainless Steel Handle
1 x Lanyard

AK0561

Contains:
1 x Pivot Arm
2 x Diaphragm Plates
1 x Rocker Arm Nut
2 x Circlips Small

AK0531

Contains:
1 x Pivot Bush
1 x Underdeck Rocker Arm
1 x Fork Insert
1 x Pivot Arm
1 x Rocker Arm Nut
1 x Hinge Pin
2 x Circlips Large
2 x Circlips Small
1 x Pivot Pin

MK V Double Action Bilge/Water Transfer Pump

Lightweight and robust plastic bodied pump ideal for larger craft where high output is required.
Available in 3 models for mounting on-deck, thru-deck or on-bulkhead. Due to the twin inlet / diaphragm design, two bilge compartments can be emptied simultaneously. Approved by Lloyds (MSA) and USCG as a lifeboat bilge pump. 5 year warranty.
Max output: 150 Litres min approx. Hose connections: 38mm (1 1/2"). Max lift: 4.5m, max head: 4.5m.

Part No	Description
73053	Deck Mount Pump MH5570
73054	Bulkhead Mount Pump MH5550
73055	Thru Deck Pump MH5560

Performance Data

Lift	Head	60 Strokes / Min	80 Strokes / Min
1m	0.5m	110 ltr approx	150 ltr approx
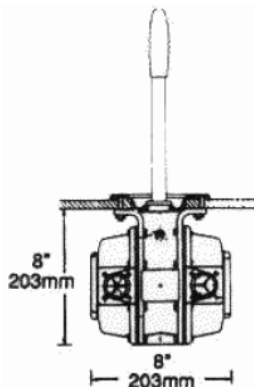
Thru-Deck Mounting
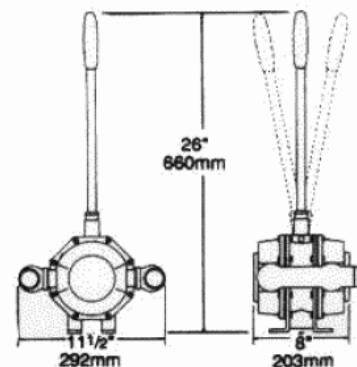
Deck Mounting
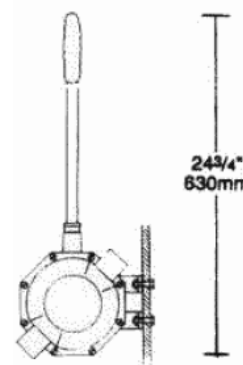
Bulkhead Mounting

AK8060

Contains:
2 x Inlet Valve Plates & Valve
4 x Valve Screws Short
2 x Top Cover Seals
2 x Diaphragms
2 x Outlet Valves
4 x Valve Screws Long
2 x Circlips Large
4 x Circlips Small

Part No	Whale	Description
73056	AK8060	Service Kit (Nitrile)
73140	AS3725	Kit for Deck Plates
73051	MH9905	Henderson Deck Plate
73102	AK0502	Service Kit Galley Pump MK1 & 2
73129	AS0354	Compac 50 Inlet/Outlet Body Assembly
73108	AS3719	Gusher 10 Eyebolt & Clamping Plate

Vetus Manual Membrane Pump

A high quality membrane pump suitable for pumping/transferring bilge water, seawater or diesel.

3 m (10 ft) of maximum suction lift

4 m (13 ft) of maximum discharge head

Hose diameter 32mm (1 1/4") Ø

Suitable for boats up to 12 m (ISO 15083)

Part No	Description
58630	Vetus Membrane Pump

Compac 50 Low Profile Under Deck Bilge Pump

Low profile bilge pump for use underdeck or thru-bulkhead where space is limited. Only 119mm (4 3/4") deep and has rotatable inlet and outlet nozzles for flexibility. Easy to fit and maintain and is supplied complete with deck plate.
Suitable for pumping diesel. 5 year warranty.
Max output of 49 ltrs / min. Hose connections: 25mm (1"). Max lift: 3m, Max head: 4m.

Part No	Description
73057	Compac 50 Pump BP0350

199 mm
7 13/16"

121 mm
4 3/4"

196 mm
7 11/16"
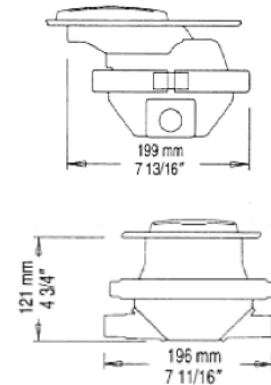
Performance Data			
Lift	Head	60 Strokes / Min	80 Strokes / Min
1m	0.5m	39 L	49 L

Compac 50 Service Kits

AK8035 Nitrile

Contains:
1 x Inlet Valve
1 x Outlet Valve
1 x Gaiter (Deckplate)
4 x Screws 6 x 1/2
4 x Circlips
1 x Diaphragm

AS0352

Contains:
1 x Rocker Arm
1 x Inner Clamping Plate
1x Outer Clamping Plate
1 x Fulcrum Pin (Short)
1 x Fulcrum Pin (Long)
4 x Circlips
1 x Nyloc M8
1 x Screw M8 x 20

AS0353

Contains:
2 x Clamping Rings
2 x M6 Nuts
2 x Screws M6 x 40

Part No	Whale	Description
73058	AK8035	Service Kit (Nitrile)
73127	AS0352	Rocker Arm
73128	AS0353	Clamping Plate
73130	AS0355	Handle Assembly
73131	AS0356	Deck Plate

Sanitation Pump

Lightweight and robust plastic bodied pump designed for pumping toilet waste.
It can be mounted in various orientations and positions, and has easy access for inspection and cleaning. Also features large, non-choke valves and odour proof seals. Available in bulkhead and under deck versions. 5 year warranty.
Hose connections: 38mm (1 1/2"). Max lift: 4.5m, max head: 4.5m.

Part No	Description
73078	Bulkhead Mount Pump BP0527
73079	Under deck Mount Pump BP0535
73052	Service Kit AK8050
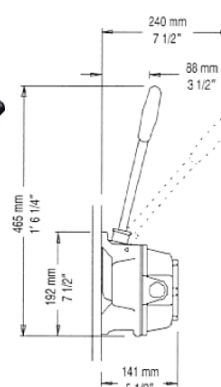
240 mm
7 1/2"

88 mm
3 1/2"

193 mm
7 1/2"

465 mm
1' 6 1/4"

293 mm
11 1/2"

192 mm
7 1/2"

141 mm
5 1/2"

141 mm
5 1/2"

192 mm
7 1/2"
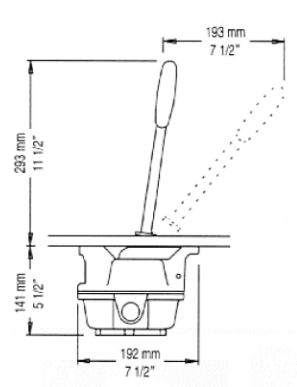
Bulkhead Mounting   Thru-Deck Mounting

Performance Data			
Lift	Head	60 Strokes / Min	80 Strokes / Min
1m	0.5m	56 L	75 L

Chimp Service Kits

AK8010 Neoprene MK1

Contains:
1 x Adhesive
1 x Inlet Valve Plate
1 x Outlet Valve Plate
1 x Diaphragm
1 x Inlet Valve
1 x Outlet Valve
4 x Nuts
4 x Screws M5 x 25
4 x Circlips

Part No	Whale	Description
73066	AK8010	Service Kit Mk 1 (Neoprene)
73067	AK8018	Service Kit Mk 1 (Nitrile)
73064	AK8015	Service Kit Mk 2 (Neoprene)
73137	AS0128	Clamp Plate Kit Mk 2

AK8015 Neoprene MK2

Contains:
1 x Diaphragm
1 x Inlet Valve
1 x Outlet Valve
4 x Circlips

AS0128 MK2

Contains:
1 x Diaphragm Stud
2 x Diaphragm Plates
1 x Diaphragm Nut
4 x Circlips

Gusher 25

AK3528

Contains:
1 x Adhesive
2 x Buffers
2 x Outlet Valves
2 x O Rings
2 x Nitrile cords
2 x Inlet Valves
4 x Screws 2BA
2 x Small Bridge Pieces
2 x Diaphragms (Nitrile)
2 x Large Bridge Pieces

Part No	Whale	Description
73068	AK3528	Service Kit (Nitrile)

PPE & Workwear

Disposable Nitrile Gloves

These gloves are chemical resistant, and are blue in colour.
They are powder free, non sterile and ambidextrous.

Sold in boxes of 100

Part No	Size
60356	Medium
60357	Large
60358	Extra Large

Disposable Latex Gloves

General purpose gloves for minimal risks only.
Ambidextrous and non-sterile.

Sold in boxes of 100

Part No	Size
60353	Medium (100)
60354	Large (100)
60355	Xtra Large (95)

3M Disposable Suits

Protects skin from hazardous dusts and limited liquid splashes

Elasticated hood, ankles, cuffs and waist

2-way zip with storm flap

Breathable fabric with low linting

Part No	Size
60341	Medium
60342	Large
60343	Xtra Large
64035	3XL

Household Rubber Gloves

Medium weight, household 'Marigold' style rubber gloves which have a soft flock lining for added comfort.

Part No	Size (Sold in pairs)
60335	Medium
60336	Large

Nitrile Gripper Gloves

Versatile gloves ideal for light detailed assembly, inspection, light fabrication and small parts handling .

Part No	Size (Sold in pairs)
60350	Medium
60351	Large
60352	Xtra Large

Vetus Deck Overshoes

These sturdy shoe covers have a rubber-ized traction sole and uppers made of heavy duty polyester-lined PVC. Unlike other shoe covers, Pantheren covers will not tear easily, and shed water. These are excellent, re-usable shoe covers for any work requiring repeated entry and exit of homes or boats.

Part No	Description
58310	Vetus Deck Overshoe Pair

3M Premium Safety Goggles

Manufactured to EN 166 349-B standard. For protection against medium energy impact hazards, dust, liquid splashes and molten metal spray.

Part No	Description
64034	Premium Safety Googles

3M 1100 Ear Plugs

Soft polyurethane foam offers maximum wearer comfort

Smooth, dirt-resistant surface

Tapered design fits most ear canals

SNR = 37dB

Part No	Description
64027	Pair of 3M ear plugs

WWW.SEAWARE.CO.UK INFO@SEAWARE.CO.UK 01326 377998

3M Ear Defenders H510AGU

Peltor Optime 1

The ear defender is ideal for use in environments with moderate industrial noise such as workshops, sheet-metal shops and printing works.

Part No	Description
64029	Ear Defenders H510AGU

3M Peltor X4 Ear Defenders

The 3M Peltor X4 Ear Defenders can attenuate sound by as much as 33dB whilst maintaining a sleek, low profile, aesthetically pleasing design.

Part No	Description
64030	Peltor X4 Ear Defenders
64031	Hygiene Kit

Swarfega Original Green

Advanced smooth gel rapid hand cleaner, quickly removes ingrained oil grease and many oil based paints.

Part No	Size
61605	500gm
61610	1Kg
61615	4.5kg

Swarfega Orange Gel

Advanced rapid gel hand cleaner with non abrasive micro-polymer granules for deep down cleaning to remove the most stubborn of soiling's without damage to skin.

Part No	Size
61618	500gm
61619	4.5Kg

Prep - Heavy Duty Trade Wipes

Safe Guard wipes are tough, fast, safe and convenient wipes designed to remove a wide range of soils such as paint, silicones, mastics, inks, adhesives, oils, greases and general dirt. They are ideal for cleaning the hands, work tools and hard surfaces.

Contains ingredients to moisturise hands and prevent dryness. Enhanced formulation has anti-bacterial action and will remove bacteria from hands and surfaces. Effective against MRSA, Salmonella, Listeria and E-Coli. Tested by an independent laboratory to PrEN:12054 & BS 1276 standards.

Part No	Description
60292	Heavy Duty Trade Wipes (Tub of 80)

Loctite 7850 Hand Cleaner

Made from citrus rinds. Biodegradable and contains no synthetic solvents, mineral oil or petroleum distillate. Contains fine pumice for deep cleaning. Leaves hands smelling fresh and natural.

400ml
60625

Loctite 7855 Hand Cleaner

Removes paints, resins, enamels, silicones, adhesives and sealants. Contains no harmful solvents. Aloe, Jojoba and vitamin E moisturise the skin and prevent irritation.

400ml	1.75 Ltr
60622	60623

3M AURA 9312 (FFP1)

The 3M™ Aura™ 9300+ Series Disposable Respirator 06910+ provides lightweight, comfortable and effective protection against dust and mist. The convex shape, twin strap design, nose foam and nose clip ensure comfortable wear over a range of face sizes.

Sold each or in boxes of 20.

Part No
63980

3M 8822 Dust/Mist

Respirator With Valve **(FFP2)**

Valved Particulate Respirator designed with a soft Comfortable inner face-piece, featuring a patented exhalation valve that prevents heat and moisture build-up. Protects against: fine dusts, fibres, oil and water based mist. Approved to EN149:2001 FFP2. Nominal protection factor 12. Assigned protection factor 10. Sold each or in boxes of 10.

Part No
63986

3M 9322 Three-Panel

Dust/Mist Respirator With Valve **(FFP2)**

Valved Dust/Mist Respirator, for use in hot and humid areas where FFP2 protection is required. The 9322 has a unique 3 panel construction that offers the user increased comfort and is an individually wrapped foldable product. Also features the 3M cool flow valve. Approved to EN149:2001 FFP2. Nominal protection factor 12. Assigned protection factor 10. Sold individually or in packs of 10.

Part No
63989

3M 8825 Dust/Mist/Metal Fumes Respirator **(FFP2)**

This valved respirator protects against fine dust, oil based mists and particulate metal fumes. Approved to EN149:2001 FFP2D. Nominal protection factor 12. Assigned protection factor 10.

Sold each or in boxes of 5.

Part No
63992

The HIGHER the number, the GREATER the protection.

FFP1	FFP2	FFP2	FFP3
EN 149:2001+A1:2009	EN 149:2001+A1:2009	EN 149:2001+A1:2009	EN 149:2001+A1:2009

FFP1 reduces the wearer's exposure to airborne particles by a **FACTOR OF 4**

FFP2 reduces the wearer's exposure to airborne particles by a **FACTOR OF 10**

FFP3 reduces the wearer's exposure to airborne particles by a **FACTOR OF 20**

3M 9332 Dust/Mist/Metal Fumes

Respirator With Valve **(FFP3)**

• Provides comfort and style without compromising performance
• Extensive European field trials have proved the superiority of this range over more traditional respirators
• Three-panel design for improved comfort, fit and communication
• Reliable, effective protection against fine particulates
• 3M Cool Flow valve reduces heat build-up to offer comfortable protection, particularly in hot and humid conditions
• Individually packed, foldable design prevent contamination before use and allows easy storage
• Even-tensioned straps relieve pressure for a comfortable and secure fit
• Red colour coded straps denoting FFP3 protection level.
Maximum use level: Assigned Protection Factor: 20 x WEL
(Nominal Protection Factor 50 x WEL)

Part No
63993

3M 4251 Respirator FFA1P2R D

Re-Usable 4000 Series Half Mask Respirators. These masks are available in two grades and are designed to give protection against fine dusts, oil, water based mists and organic vapours. Bonded carbon allows the gas/vapour filter to be moulded around the face to improve vision and balance. Textured face seal to provide a more comfortable fit. Parabolic exhalation valve gives easier breathing and reduces heat build up.

The 4251 mask is approved to EN 405: 2002 FFA1P2D. Assigned protection factor for Gases & Vapours: 10 or 1000ppm which ever is the lower. Assigned protection factor for Particulates: 10

Part No
63994

3M 4255 Respirator FFA2P3D

Re-Usable 4000 Series Half Mask Respirators. These masks are available in two grades and are designed to give protection against fine dusts, oil, water based mists and organic vapours. Bonded carbon allows the gas/vapour filter to be moulded around the face to improve vision and balance. Textured face seal to provide a more comfortable fit. Parabolic exhalation valve gives easier breathing and reduces heat build up.

The 4255 mask is approved to EN 405: 2002 FFA2P3D. Assigned protection factor for Gases & Vapours: 10 or 5000ppm which ever is the lower. Assigned protection factor for Particulates: 20.

Part No
63995

3M 6000 Half-Mask Respirators

A low-maintenance, comfortable, reusable respirator which can be used with 2000, 5000 and 6000 series cartridges, filters, adaptors and retainers.

These masks are light-weight and feature a soft, contouring face piece. The 6-point head strap system can be easily disassembled and cleaned.

Filters must be purchased separately. (See next page)

Part No	Size
63997	Small Half Mask
63998	Medium Half Mask
63999	Large Half Mask

3M 6000 Soft Fit Half-Mask Respirators

With a Ready-to-Use Respiratory kit you have a safe solution for Painting. This ready to use kit contains a medium size reusable half mask with a set of A2P2 R filters to protect against organic vapours and particulates. Soft silicone face piece for comfort and durability with Cool Flow valve for reduced heat and moisture build up. Low profile, twin filter design half mask for a balanced secure fit.

Part No	Size
64000	Medium (6782)
64001	Large (6783)

3M 6000 Full Mask Respirators

A low-maintenance, comfortable, reusable respirator which can be used with 2000, 5000 and 6000 series cartridges, filters, adaptors and retainers.

These masks are light-weight (450g) and feature a soft, contouring hypo-allergenic face-piece.

The polycarbonate lens is scratch and impact resistant to EN166:B and offers a wide field of vision.

Filters must be purchased separately.

Part No	Size
64003	Large (6900)
64004	Medium (6800)
63985	Spare Face Shield Cover

3M 2125 P2 Particulate Filters Pack of 2

Versatility: can be used on all 3M 6000, 7000 and 7500 Series Half Masks and Full Face Masks
Maximum use concentration: 10xWEL
Standard: EN143

Part No

64007

3M 6051 A1 Filters Pack of 2

3M 6051 A1 Filters protect against organic gases and vapours.

Filters are specially designed and shaped to give "swept-back" position to enable excellent field of vision and balance. Class 1

Standard: EN14387

Part No

64006

3M 6059 ABEK1 Filters Pack of 2

Compatible with 3M 6000 & 7500 series full and half face masks
EN Standard - EN141
Hazard - Organic Vapours, Inorganic, Acid gases and Ammonia

Part No

64013

3M 2135 P3 Particulate Filters Pack of 2

Versatility: can be used on all 3M 6000, 7000 and 7500 Series Half Masks and Full Face Masks
Maximum use concentration: 20xWEL (half mask) or 40xWEL (full face mask)
Standard: EN143

Part No

64014

3M 06915 Organic Vapours/ Gas Filters A2 Pack of 2

The 06915 has a filter type of A1 which will protect against organic vapours. Each filter is lightweight for optimal weight distribution, the unique shape gives unobstructed field of vision. Class 2

Part No

64005

3M 501

Filter Retainer Pack of 2

These retainers fit over the 6000 Series gas and vapour filters to provide a combination dust and gas filter
The 501 Retainer is needed to hold the 5000 series filter on the front of the 6000 series filter

Part No

64012

3M 6035 (P3)

Pack of 2

Solid top design reduces chance of premature clogging. Unique easy to check seal promotes enhanced respirator fit. High temperature cover protects filter media from heat, sparks or physical damage. Bayonet fitting ensures precise & safer locking

Part No

64015

3M 5925 (P2)

Pack of 2

The 3M™ 5925 is a soft, lightweight filter pack, which is designed for use with the 6000 series cartridges and the 3M 501 retainer. They provide the user with a high protection from contaminated environments and a wide range of industrial contaminants. With a filter type of P2, it can protect you against solid, liquid particles and gases with effective filtration efficiency.

Part No

64010

3M 5935 (P3)

Pack of 2

3M™ Particulate Filter 5935 offers P3 R protection against solid and liquid particles, they can be used with 6000 series filters for combined gas and particulate protection in conjunction with a 501 filter retainer .

Part No

64011

Maxwell Up/Down Remote Panel

Push button type. AWPanel / P102983

Easy to use, panel-mounted Up/Down switches for remote windlass operation from the helm, fly bridge or cockpit. Suitable for use with dual-directional solenoids. Manufactured from marine-grade materials.

Splash proof

Suitable for 12 and 24 Volt DC use.

Part No	Description
55377	Up/Down Remote Panel

Maxwell Up/Down Anchor Windlass Switch P102938

Easy to use, panel-mounted Up/Down switches for remote windlass operation from the helm, fly bridge or cockpit. Suitable for use with dual-directional solenoids. Manufactured from marine-grade materials.

Splash proof

Suitable for 12 and 24 Volt DC use.

Part No	Description
55420	Up/Down Anchor Switch

Maxwell Circuit Breaker / Isolator Panel

Used primarily for windlasses and capstans.

For protection of the main conductor circuit.

Allows battery to be isolated when winch is not in use.

Can be used with 12V or 24V systems.

Part No	Description
55421	40 Amp P100789
55422	70 Amp P102903
55423	80 Amp P100790
55424	135 Amp P100791

Vetus Watertight Foot Switch Black or White

New Maxwell Compact up and down Windlass Footswitch with Black cover. Designed for use with a solenoid on 12 or 24v systems. Grey activation button is reversible to denote direction and can be operated by hand with the cover in place, or by foot with the cover flipped open.

Part No	Description
55364	Foot Switch Black P104810
55361	Foot Switch White P104809

Talamex Winch Handle

All-round plastic winch handle with lock-in mechanism and ball bearing-mounted grip.
Light in weight and floats!
Length 250 mm

Part No	Description
25200	Winch Handle

Talamex Winch Handle Holder

Talamex winch handle holder in white plastic. Equipped with 4 mounting holes on the back. Also 4 openings on the side for attachment by band of max. 25 mm wide.
Hxwxd: 250x90x55mm

Part No	Description
25201	Winch Handle Holder

Blue Winch Key

122mm & chain

| Part No	Description
76166	Blue Winch Key

P102550
55410
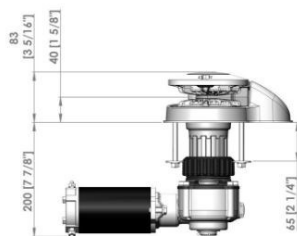
P102552
55411

RC8-6 65TDC 6MM~1/4" 12V (with or without capstan)

Suitable for 6 mm/7 mm (1/4") chain and 12 mm (1/2") nylon rope. The combined stainless steel and chromed bronze RC8 automatic rope/chain anchor winch is Maxwell's mid-range version of the vertical RC Series Windlass range.
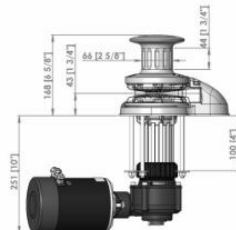
Part No	Description	Voltage (V)	Motor (W)	Maximum Pull / Lift (KG)	Static Hold (KG)	Chain Short Link (mm)	Net Weight, Electric (KG)	Rope Size (Nylon) mm	Chain Speed (Anchor Retrieval) (m)	Rope Speed (Anchor Retrieval) (m)
55410	Without Capstan	12V	600	350	1200	6/7	12.5	12	28 m/min	24 m/min
55411	With Capstan	12V	600	350	1200	6/7	12.5	12	28 m/min	24 m/min

P102558
55412
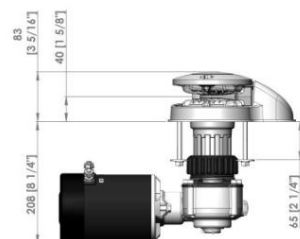
P102560
55413
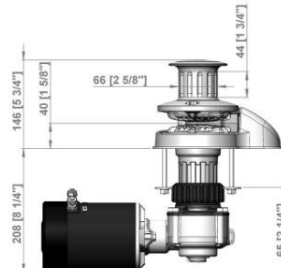
RC8-8 65TDC 8MM~5/16" 12V (with or without capstan)

Suitable for 8mm (5/16") chain and 14-16 mm (1/2") nylon rope. The combined stainless steel and chromed bronze RC8 automatic rope/chain anchor winch is Maxwell's mid-range version of the vertical RC Series Windlass range.

Part No	Description	Voltage (V)	Motor (W)	Maximum Pull / Lift (KG)	Static Hold (KG)	Chain Short Link (mm)	Net Weight, Electric (KG)	Rope Size (Nylon) mm	Chain Speed (Anchor Retrieval) (m)	Rope Speed (Anchor Retrieval) (m)
55412	Without Capstan	12V	1000	600	1200	8	16.5	14-16	32 m/min	28 m/min
55413	With Capstan	12V	1000	600	1200	8	16.5	14-16	32 m/min	28 m/min

P102571
55414
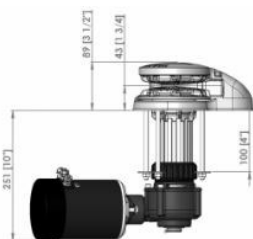
P102573
55415

RC10-8 100TDC 8MM~5/16" 12V 56:1 (with or without capstan)

Suitable for 8mm (5/16") chain and 14-16 mm (1/2") nylon rope. The combined stainless steel and chromed bronze RC10 automatic rope/chain anchor winch is Maxwell's mid-range version of the vertical RC Series Windlass range.

Part No	Description	Voltage (V)	Motor (W)	Maximum Pull / Lift (KG)	Static Hold (KG)	Chain Short Link (mm)	Net Weight, Electric (KG)	Rope Size (Nylon) mm	Chain Speed (Anchor Retrieval) (m)	Rope Speed (Anchor Retrieval) (m)
55414	Without Capstan	12V	1000	700	1500	8	19	14-16	24 m/min	20 m/min
55415	With Capstan	12V	1000	700	1500	8	19	14-16	24 m/min	20 m/min

P102575
55416

P102577
55417
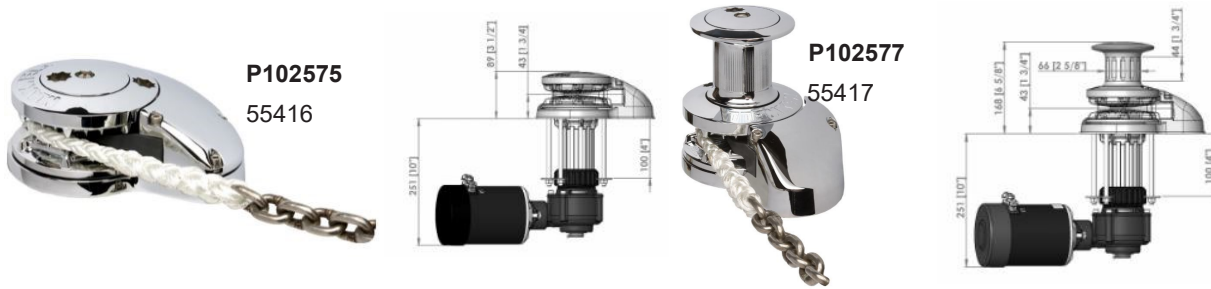
RC10-10 100TDC 10MM~3/8" 12V 56:1 (with or without capstan)

Suitable for 10mm (3/8") chain and 16 mm (5/8") nylon rope. The combined stainless steel and chromed bronze RC10 automatic rope/chain anchor winch is Maxwell's mid-range version of the vertical RC Series Windlass range.

Part No	Description	Voltage (V)	Motor (W)	Maximum Pull / Lift (KG)	Static Hold (KG)	Chain Short Link (mm)	Net Weight, Electric (KG)	Rope Size (Nylon) mm	Chain Speed (Anchor Retrieval) (m)	Rope Speed (Anchor Retrieval) (m)
55416	Without Capstan	12V	1200	850	1500	10	20	16	24 m/min	20 m/min
55417	With Capstan	12V	1200	850	1500	10	20	16	24 m/min	20 m/min

P100240
55418

Horizontal HRC 10-8 SCW/SD 12V (8mm-5/16")

The HRC10 Horizontal Series windlasses proudly follow in the highly successful footsteps of Maxwell's previous, fully automatic rope/chain anchor winches. The all new HRC10 fully automatic horizontal windlass series is designed to effortlessly retrieve and deploy 8 mm (5/16") and 14 mm (9/16") or 16 mm (5/8") three strand or 8-brait (plait) rope.

Part No	Description	Voltage (V)	Motor (W)	Maximum Pull / Lift (KG)	Static Hold (KG)	Chain Short Link (mm)	Net Weight, Electric (KG)	Rope Size (Nylon) mm	Chain Speed (Anchor Retrieval) (m)	Rope Speed (Anchor Retrieval) (m)
55418	Horizontal 10—8	12	1000	700	1500	8	19	14-16	24	20

P100242
55419

Horizontal HRC 10-10 SCW/SD 12V (10mm-3/8")

The HRC10 Horizontal Series windlasses proudly follow in the highly successful footsteps of Maxwell's previous, fully automatic rope/chain anchor winches. The all new HRC10 fully automatic horizontal windlass series is designed to effortlessly retrieve and deploy 10 mm (3/8") short link chain and 16 mm (5/8") three strand or 8-brait (plait) rope.

Part No	Description	Voltage (V)	Motor (W)	Maximum Pull / Lift (KG)	Static Hold (KG)	Chain Short Link (mm)	Net Weight, Electric (KG)	Rope Size (Nylon) mm	Chain Speed (Anchor Retrieval) (m)	Rope Speed (Anchor Retrieval) (m)
55419	Horizontal 10—10	12	1200	850	1500	10	20	16	24	20

Anchors

Rocna Anchor

The roll-bar ensures that the anchor always arrives at the ideal angle for penetration, and the setting skids guide the fluke tip which acts as a sharp chisel cutting into the seabed. With a third of the anchor's weight on its fluke tip, an instant reliable set is ensured with every use.

Part No	Weight (Kg)	Length (mm)	Fluke Area cm²
30006	6kg	630	590
30007	10kg	724	795
30008	15kg	830	1030
30009	20kg	864	1140
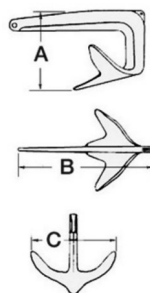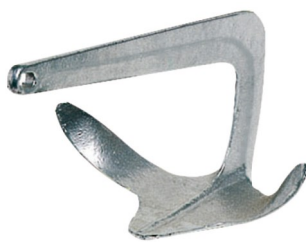
Trefoil Bruce Anchor

Trefoil® anchor made of hot-galvanized cast steel, With progressive penetration system.

Part No	Weight	A mm	B mm	C mm
30120	10kg	320	583	375

Holdfast/Danforth Anchor

Tests carried out by the Admiralty have shown that the Holdfast anchor has at least double the holding power of other anchors of equivalent weights.

Part No	Weight (Kg)	Length (mm)	Width (mm)
30010	2.5	525	370
30020	4.5	570	430
30030	7	600	540
30040	10	-	-
30050	14	865	620

Folding Grapnel Anchor

A handy anchor for small craft where space is limited.

Part No	Weight (Kg)	Length (mm)	Width (mm)
30000	1.5	310	290
30001	2.5	355	315
30002	3.2	395	330
30003	4.0	445	400
30004	6.0	535	490
30005	8.0	585	545

Plough Anchor

A popular anchor which is easy to handle and stow. Made in best quality malleable iron and hot dip galvanized. Fitted with an eye on the horn for tripping.

Part No	Weight (Kg)	Plough Length (mm)	Plough Width (mm)	Arm Length (mm)
30070	5	330	240	470
30080	7.5	340	260	550
30090	10	390	270	645
30100	12.5	400	280	665
30110	15	445	305	760
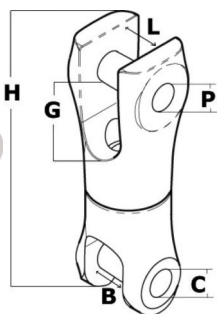
Anchor Swivelling Connector AISI 316

Made of precision-cast AISI 316 stainless steel without protrusions, used to connect the chain to the anchor. It lets the anchor chain slide smoothly through the bow roller and avoids entangling of the shackle. New reinforced model with additional finish, exclusively made by Osculati.

Part No	Chain Ø mm	B mm	C mm	G mm	H mm	L mm	P mm
30182	6/8	10	7	21	95	16	9
30183	9/10	12	11	28	120	21	11

Twist Chain/Anchor Swivel Connector

Made of mirror-polished AISI 316 stainless steel. With the latest asymmetric anchors (Bruce, Delta, Trefoil® etc.), when the anchor is raised, it most probably turns the wrong side. The Twist swivelling connector turns the anchor correctly and it reeves into the roller or hawsehole. A shackle connects the fixed eye to the anchor.

- Lato ancora
- Anchor side

Part No	Chain Ø mm	A mm	B mm	C mm
30185	6/8	120	60	28

Chain Stopper

The chain stopper device prevents the anchor chain releasing prematurely while the boat is in use. It also prevents shock/abnormal loading of the windlass while the boat is at anchor. The Chain Stopper can be disengaged with a simple movement.

Part No	Chain Ø mm	Base mm	Overhang mm
30170	6/8	60 x 50	47
30171	10/12	80 x 70	63

Chain Claw Gripper

Designed to be hooked to the chain link, it relieves tension from the chain, and therefore prevents abnormal loads on the windlass. Made of polished precision-cast AISI 316 stainless steel.

Part No	Chain Ø mm
30172	6/8
30173	10/12

Chain Pipe 90° AISI316

Part No	For chain-Ø	Diameter	Height (H)	Inside diameter (iD)	Length
30236	6-8 mm	95mm	110mm	60mm	105mm
30237	10-13 mm	95mm	110mm	60mm	130mm

Galvanised Calibrated Short & Mid Link Chain

Hot dipped Galvanised Chain. Not suitable for lifting.
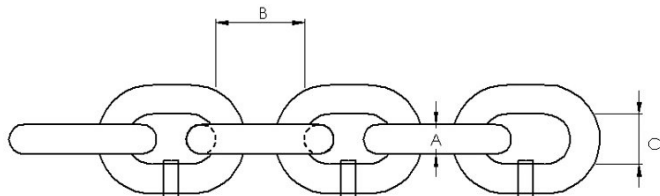
Sold by the metre.

Part No	Size	Link	Grade	A	B	C	Service Load	Max Breaking Load	Max Length
30195	6mm (1/4")	Short	30	6mm	18.5mm	8mm	400kg	1.6 Tons	500m
30205	8mm (5/16")	Short	40 EN818-3	8mm	24mm	12mm	1 Tons	4 Tons	350m
30215	10mm (3/8")	Short	40 EN818-3	10mm	30mm	15mm	1.6 Tons	6.4 Tons	250m
30225	12mm (1/2")	Short	30	12mm	36mm	16mm	1.75 Tons	7 Tons	150m
30227	12mm (1/2")	Mid	3	12mm	48mm	22mm	1.25 Tons	5 Tons	175m
30229	16mm (5/8")	Mid	30	16mm	64mm	24mm	2.5 Tons	10 Tons	100m

Long Link Stainless Steel Chain

Stainless Steel 5mm Long Link Chain. Sold by the metre up to a maximum of 50m. A4 316 Marine Grade Din763 standard. Sold by the metre up to a maximum length of 50m.

Part No	Chain Ø mm
30190	5mm

Chain Connector/Rapid Links

AISI 316 Stainless Steel

Part No	Ø mm	Inner Length mm	Inner Width mm	Breaking Load kg
30233	6	21.0	11.0	950
30234	8	24.0	11.8	1360
30235	10	30.5	14.5	2080

Monel Seizing Wire

Part No	Decription
33870	0.9mm x 10m Spool

Forged Hot Dipped Galvanised Mooring Swivel

It is recommended that the swivel be a size larger than the chain.

Part No	Size
30550	12mm (1/2")
30551	16mm (5/8")
30552	19mm (3/4")
30553	22mm (7/8")
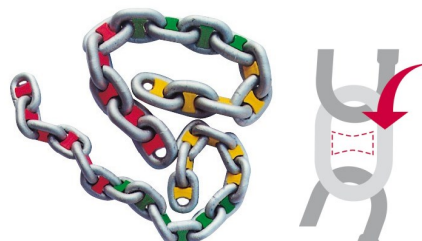
Chain rainbow markers
Package of assorted chain rainbow markers to mark a whole length of chain. The kit includes markers in 5 colours (white, blue, yellow, red and green).

Part No	Description
30240	8mm Assorted Chain Markers Pack of 50
30241	10mm Assorted Chain Marker (Pack of 40)
30242	8mm White Pack of 10
30243	8mm Blue Pack of 10
30244	8mm Yellow Pack of 10
30245	8mm Red Pack of 10
30246	8mm Green Pack of 10
30247	10mm White Pack of 8
30248	10mm Blue Pack of 8
30249	10mm Yellow Pack of 8
30250	10mm Red Pack of 8
30251	10mm Green Pack of 8
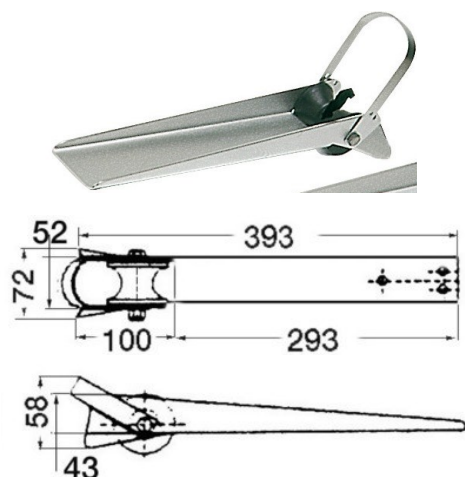
Bow Roller

AISI 316 Stainless Steel

Made of satin-finish stainless steel, suitable for mounting over or under the dolphin striker.

Part No	Length mm	Width mm
23127	393	52

Bow Roller

AISI 316 Stainless Steel

210 x 57 mm

Stainless steel, Chromelux® finish, fitted with nylon sheave and upper safety pin.

Part No	Length mm	Width mm	Height mm
23124	210	57	70
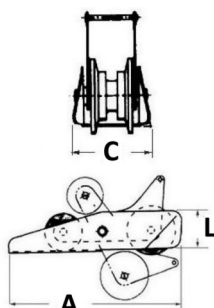
Hinged Bow Roller

AISI 316 Stainless Steel

Made of stainless steel, suitable for all anchors up to 14kg. Nylon sheave.

Part No	Length mm	Width mm	Height mm
23125	320	90	70
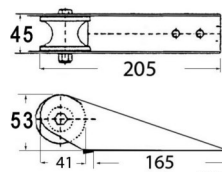
Bow Roller

AISI 316 Stainless Steel

Mirror-polished stainless steel with thermopolymer sheave.

Part No	Length mm	Width mm	Height mm
23126	205	45	53
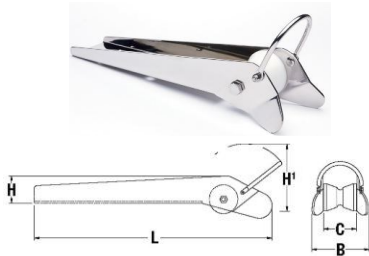
Maxwell Fixed Bow Roller (ARWU-04)

P104345

High gloss polished 316 stainless steel.

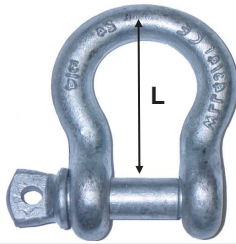| Part No	Length mm	B mm	C mm	H mm	H1 mm
55150	460	134	75	65	155

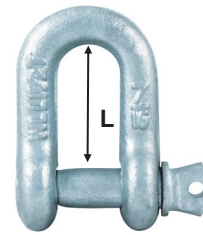Standard Roller (23120)   Roller with drop-nose pin (23122)
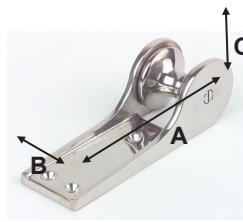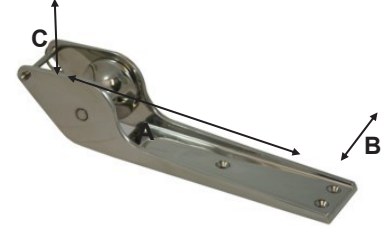
High quality bow rollers cast in 316 stainless steel. One roller is plain and the other incorporates a drop-nose pin.

Part No	Type	Roller Diameter	A	B	C
23120	Standard	60mm	200mm	62mm	68mm
23122	Dropnose Pin	60mm	300mm	75mm	68mm

Galvanized alloy steel U.S. fed spec. RR-C-271 screw pin.

Bow Shackles

Part No	Shackle Thickness	Pin Thickness	L	Jaw width	Safe Working Load (Tonnes)
30430	3/16"	-	-	-	-
30440	1/4"	5/16"	29mm	12mm	0.50T
30450	5/16"	3/8"	31mm	13.5mm	0.75T
30460	3/8"	7/16"	36mm	17mm	1.00T
30470	1/2"	5/8"	48mm	21mm	2.00T
30480	5/8"	3/4"	61mm	27mm	3.25T
30490	3/4"	7/8"	72mm	31mm	4.75T
30495	7/8"	1"	83mm	36mm	6.50T

Dee Shackles

Part No	Shackle Thickness	Pin Thickness	L	Jaw Width	Safe Working Load (Tonnes)
30350	3/16"	-	-	-	-
30360	1/4"	5/16"	23mm	12mm	0.50T
30370	5/16"	3/8"	27mm	13.5mm	0.75T
30380	3/8"	7/16"	31mm	17mm	1.00T
30390	1/2"	5/8"	42mm	21mm	2.00T
30400	5/8"	3/4"	51mm	27mm	3.25T
30410	3/4"	7/8"	59mm	31mm	4.75T
30420	7/8"	1"	72mm	36mm	6.50T
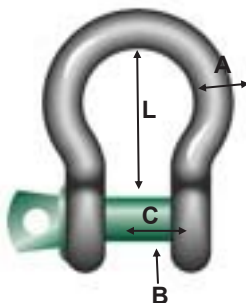
These galvanised green pin shackles are tested and certified in accordance with EN-13889 (Grade 6).

The oversized pin is stamped with the safe working load. Dimensions in mm.

Tested Green Pin Bow Shackles

Part No	Shackle Thickness	Pin Thickness	Jaw-Width	L	Safe Working Load (Tonnes)
30290	10 (3/8")	11	17	36.5	1.00
30291	13.5 (1/2")	16	22	51	2.00
30292	16 (5/8")	19	27	64	3.25
30293	19 (3/4")	22	31	76	4.75
30294	22 (7/8")	25	36	83	6.50
30295	25 (1")	28	43	95	8.50

Tested Green Pin Dee Shackles

Part No	Shackle Thickness	Pin Thickness	Jaw-Width	L	Safe Working Load (Tonnes)
30282	10 (3/8")	11	17	31	1.00
30283	13.5 (1/2")	16	22	43	2.00
30284	16 (5/8")	19	27	51	3.25
30285	19 (3/4")	22	31	59	4.75
30286	22 (7/8")	25	36	73	6.50
30287	25 (1")	28	43	85	8.50

Bow Shackles
AISI 316 Stainless Steel

Part No	Diameter	Length	Jaw Width	Minimum Breaking Load (KN)
30422	5mm	20mm	10mm	9.1
30423	6mm	24mm	12mm	13.2
30424	8mm	32mm	16mm	23.7
30425	10mm	40mm	20mm	37.3
30426	12mm	48mm	24mm	54.9
30427	16mm	64mm	32mm	97.7

Dee Shackles
AISI 316 Stainless Steel

Part No	Diameter	Length	Jaw Width	Minimum Breaking Load (KN)
30341	5mm	20mm	10mm	9.1
30342	6mm	24mm	12mm	13.2
30343	8mm	32mm	16mm	23.7
30344	10mm	40mm	20mm	37.3
30345	12mm	48mm	24mm	54.9
30346	16mm	64mm	32mm	97.7
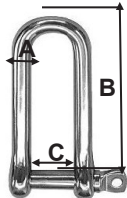
Long Dee Shackles
AISI 316 Stainless Steel

Part No	Diameter	Length	Jaw Width	M.B.L (KN)
30522	5mm	40mm	10mm	9.1
30523	6mm	48mm	12mm	13.2
30524	8mm	64mm	16mm	23.7
30525	10mm	80mm	20mm	37.3
30526	12mm	96mm	24mm	54.9

Flat Dee Locking Shackles
AISI 316 Stainless Steel

Part No	Diameter	B mm	C mm
30535	5mm	50	10
30536	6mm	57	13
30537	8mm	79	16

Flat Dee Locking Shackles With Bar
AISI 316 Stainless Steel

Part No	Diameter	Length	Jaw Width	M.B.L (KN)
30540	5mm	40mm	12mm	9.1
30541	6mm	48mm	15mm	13.2
30542	8mm	64mm	20mm	23.7
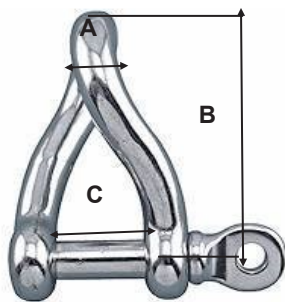
Twisted Shackles
AISI 316 Stainless Steel

Part No	Diameter	Length	Width	M.B.L (KN)
30528	5mm	30mm	10mm	9.1
30529	6mm	36mm	12mm	13.2
30530	8mm	48mm	16mm	23.7
30531	10mm	60mm	20mm	37.3
30532	12mm	72mm	24mm	54.9

Snap Shackles Fixed
AISI 316 Stainless Steel

Part No	Overall Length	Top Gap	Bottom Gap	M.B.L. (KN)
30860	52mm	13mm	9mm	12.7
30861	66mm	16mm	12mm	17.6
30862	96mm	22mm	16mm	32.6

Snap Shackles Swivelling
AISI 316 Stainless Steel

Part No	Overall Length	Top Gap	Bottom Gap	M.B.L. (KN)
30865	70mm	13mm	12mm	6.4
30866	87mm	16mm	16mm	8.8
30867	128mm	22mm	23mm	16.3
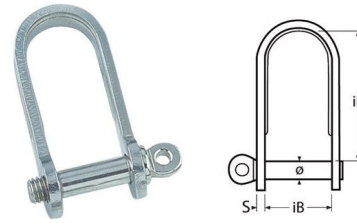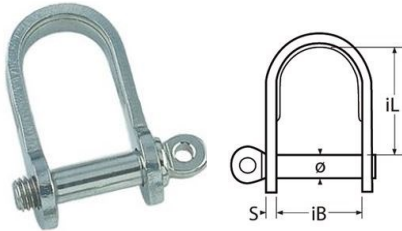
Flat Dee Shackles

AISI 316 Stainless Steel

Part No	Pin Diameter	Jaw Width	Inside Length	Shackle Thickness	Breaking Load KG
30330	4mm	10mm	18mm	1.9mm	800
30331	5mm	12mm	20mm	2mm	900

Flat Long Dee Shackles

AISI 316 Stainless Steel

Part No	Pin Diameter	Jaw Width	Inside Length	Shackle Thickness	Breaking Load KG
30335	4mm	12mm	24mm	4mm	800
30336	5mm	12mm	21mm	2mm	900
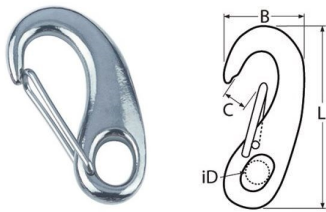
Spring Hook "Surf - Snap"

AISI 316 Stainless Steel

Part No	Width (B)	Inside Diameter (iD)	Length (L)	Width of Opening (C)
30924	24mm	7mm	50mm	10mm
30923	30mm	10mm	70mm	13mm
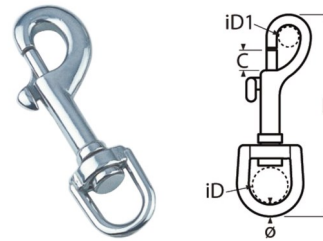
Swivel Eye Bolt Snap

AISI 316 Stainless Steel

Part No	Length (L)	Inside Diameter (id)	Inside Diameter 1(iD1)	Material Diameter (ø)	Width of Opening (C)
30925	64mm	10mm	7mm	3mm	7mm
30926	87mm	16mm	9mm	5mm	9mm

316 Stainless

Carbine Hook + Eye

AISI 316 Stainless Steel

Part No	Diameter	Overall Length	Eyelet	M.B.L. (KN)
30850	5mm	50mm	6mm	3.4
30851	6mm	60mm	7mm	5.1
30852	8mm	80mm	9mm	7.8
30853	10mm	100mm	12mm	11.8
30855	11mm	120mm	14.5mm	13.9
30854	12mm	140mm	18mm	16.5

316 Stainless

Stainless Steel Eyebolts

Comes with a washer and nut.

AISI 316 Stainless Steel

Part No	Thread	Thread Length	Ring Thickness	Ring I.D	M.B.L. (KN)
30838	M6	40	5mm	15mm	8.2
30839	M6	60	5mm	15mm	8.2
30840	M6	80	5mm	15mm	8.2
30836	M8	80	6mm	20mm	14.5
30841	M8	100	6mm	20mm	14.5
30842	M10	100	8mm	25mm	22.6
30837	M10	120	8mm	25mm	22.6
30843	M12	120	10mm	30mm	32.6

Carbine Hook + Eyelet + Screw Gate

AISI 316 Stainless Steel

Part No	Diameter	Overall Length	Eyelet	M.B.L. (KN)
30844	5mm	50mm	6mm	3.4
30845	6mm	60mm	7mm	5.1
30846	8mm	80mm	10mm	7.8
30847	10mm	100mm	13mm	11.8
30848	11mm	120mm	18mm	13.9
30858	12mm	140mm	18mm	1100kg
30859	13mm	160mm	20mm	1300kg
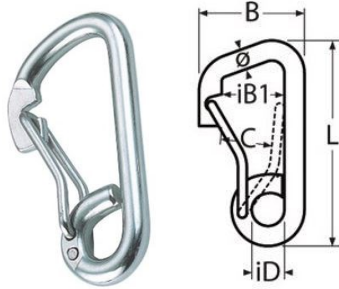
316 Stainless

Spring Hook with Bow

AISI 316 Stainless Steel

Part No	Width (B)	Inside Diameter (iD)	Inside Width (iB1)	Length (L)	Width of Opening (C)	Breaking Load KG
30849	97mm	25mm	53mm	165mm	27mm	2820

Stainless Steel Screw Eye

AISI 316 Stainless Steel

Part No	Thread	Bolt Length	Ring I.D
30890	M6	60mm	14mm
30892	M6	80mm	14mm
30894	M8	60mm	14mm
30896	M8	80mm	14mm
30902	M10	80mm	18mm
30904	M10	100mm	18mm
30906	M10	120mm	18mm
30908	M12	80mm	25mm
30910	M12	100mm	25mm
30912	M12	120mm	25mm
30914	M12	140mm	25mm

Screw Eye Hook

AISI 316 Stainless Steel

Part No	Length (L1)	Inside Diameter (id)	Material Diameter (ø)
30928	25mm	12mm	3.9mm

316 Stainless

Eye Nuts

AISI 316 Stainless Steel

Part No	Thread	Ring I.D	Height
34004	M6	16mm	28mm
34005	M8	20mm	33mm
34010	M10	25mm	42mm
34015	M12	30mm	51mm
34017	M16	35mm	60mm

Stainless Steel Studding 1m lengths

Size	A2 Grade (308)	A4 Grade (316)
M4 x 1m	80910	80911
M5 x 1m	80912	80913
M6 x 1m	80914	80915
M8 x 1m	80916	80917
M10 x 1m	80918	80919
M12 x 1m	80920	80921
M14 x 1m	81151	-
M16 x 1m	80922	80923
M20 x 1m	80924	80925
M24 x 1m	80926	80927

Galvanised Eyebolt

Comes with a washer and a nut.

Part No	Thread	Bolt Length	Length of thread	Ring I.D
30600	M6	65mm	30mm	10mm
30610	M8	110mm	70mm	12mm
30620	M10	115mm	75mm	13mm
30630	M12	135mm	90mm	14mm
30640	M16	150mm	100mm	25mm

Ring Bolt SS

Comes with a nut and washer.

AISI 316 Stainless Steel

Part No	Thread	Length	Ring Diameter	Ring I.D
34035	M6	80mm	6mm	35mm
34040	M8	60mm	8mm	50mm
34045	M10	100mm	10mm	50mm
34050	M12	120mm	12mm	60mm
34051	M12	60mm	12mm	60mm

Galvanized Ring Bolt

Comes with a nut and washer.

Part No	Thread	Length	Ring ID	Ring Diameter
30650	M6	65mm	40mm	5mm
30660	M8	110mm	50mm	8mm
30670	M10	115mm	63mm	10mm
30680	M12	135mm	63mm	12mm
30690	M16	150mm	74mm	16mm

304 Stainless

U Bolt SS

Comes with a plate plus nuts and washers.

AISI 316 Stainless Steel

Part No	Thread	Overall Length	Centres	Thread Length
34090	M4	60mm	30mm	30mm
34095	M5	80mm	35mm	40mm
34110	M6	90mm	35mm	40mm
34120	M8	80mm	35mm	40mm
34125	M8	100mm	35mm	50mm
34130	M10	90mm	50mm	40mm
34132	M10	102mm	40mm	60mm
34135	M10	130mm	50mm	55mm
34136	M12	120mm	47mm	78mm
34137	M12	150mm	60mm	65mm

Ring Plate SS

AISI 304 Stainless Steel

Part No	Loop Diameter	Base Width	Base Length	Ring ID
34052	5mm	30mm	35mm	30mm
34053	6mm	35mm	40mm	35mm
34054	8mm	40mm	50mm	45mm
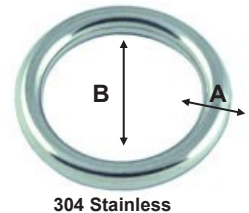
Stainless Steel Ring

AISI 304 Stainless Steel

Part No	A	B
30879	5mm	40mm
30880	6mm	45mm
30882	8mm	50mm
30884	10mm	75mm

Fender Eye

Plate with ring.

Made of AISI 316 stainless steel.

Base 27x30mm

Size 19mm

Part No	Description
96095	Eye plate with ring
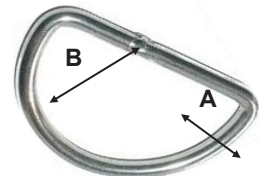
Stainless Steel Dee Rings

AISI 304 Stainless Steel

Part No	A	B
30930	5mm	35mm
30935	6mm	45mm
30940	8mm	55mm

SS Swivelling Half Ring

Made of high strength polished stainless steel .

Part No	Description	Ring Section Ø	Breaking Load kg
96313	Swivelling Half Ring 28 x 54mm	6.8mm	1500
96314	Swivelling Half Ring 45 x 66mm	9.2mm	2200

304 Stainless

304 Stainless

304 Stainless

Eye Pads

AISI 304

Part No	Loop Thickness	Base Size
34056	6mm	60 X 20mm
34057	8mm	80 X 25mm
34058	9mm	110 X 32mm

Eye Plates

AISI 304

Part No	Loop Thickness	Base Size
34020	5mm	30 X 35mm
34025	6mm	35 X 40mm
34030	8mm	40 X 50mm

Round Eye Plates

AISI 304

Part No	Loop Thickness	Base Diameter
34031	5mm	33mm
34032	6mm	40mm
34033	8mm	50mm

Turnbuckle Rigging Screws Fork & Fork

AISI 316 Stainless Steel Machined

Part No	Thread	Pin Diameter	Length	Jaw Width	Breaking Load kg
34140	M5	5mm	135 - 195mm	6.5mm	460
34145	M6	6mm	160 - 230mm	7.5mm	910
34150	M8	8mm	180 - 255mm	11mm	1330
34155	M10	10mm	210 - 300mm	12mm	2180
34160	M12	12mm	270 - 380mm	14mm	2300
34165	M14	14mm	295 - 415mm	17mm	2190
34170	M16	16mm	340 - 480mm	17mm	5310

Swageless Eye Terminal SS AISI 316

Part No	To fit wire (mm)	Eye Diameter (mm)
34180	4mm	8mm
34182	5mm	10mm
34184	6mm	12.75mm
34186	8mm	16mm

Swageless Fork Terminal SS AISI 316

Part No	To fit wire (mm)	Pin Diameter (mm)
34190	4mm	6mm
34192	5mm	8mm
34194	6mm	10mm
34196	8mm	12mm

Galvanised Rigging Screws

Quality galvanised rigging screw twin jaw.

Part No	Thread Diameter	Body Length	Jaw Width
30740	M10	150mm	10mm
30750	M12	195mm	13mm
30760	M16	230mm	18mm

Copper Ferrule

Part No	To fit wire
33710	1.5mm
33715	2.0mm
33720	2.5mm
33725	3.0mm
33730	3.5mm
33735	4,0mm
33740	4.5mm
33745	5.0mm
33750	6.0mm

Aluminium Ferrule

Part No	To fit wire
33760	2.0mm
33765	3.0mm
33770	4.0mm
33775	5.0mm
33780	6.0mm

Stainless Steel Wire Rope Grips (Bulldog Grips)

AISI 316

Part No	To fit wire	Thread Size	Grip Height	Grip Width
33845	2mm	M3	9mm	16mm
33850	3mm	M3	10mm	21mm
33855	4mm	M4	10mm	21mm
33860	5mm	M5	10mm	23mm
33865	6mm	M6	11mm	26mm

Electro Galvanized Wire Rope Grip

Din 741

Part No	To fit wire	Thread Size	Grip Height	Grip Width
30500	5mm	M5	10mm	24mm
30505	6mm	M5	11mm	26mm
30510	8mm	M6	15mm	30mm
30515	10mm	M8	19mm	37mm
30520	12mm	M10	23mm	44mm

Stainless Steel Duplex Wire Rope Grips

AISI 316

Part No	To fit wire (mm)	Length	Width
33820	2mm	30mm	12mm
33825	3mm	36mm	14mm
33830	4mm	40mm	18mm
33835	5mm	50mm	20mm
33840	6mm	60mm	24mm

Stainless Steel Thimble

AISI 316

Part No	To fit wire	Length I.D	Width I.D
33790	2mm	12mm	7mm
33795	3mm	17mm	10mm
33800	4mm	18mm	11mm
33805	5mm	20mm	13mm
33810	6mm	26mm	15mm
33812	8mm	33mm	18mm
33814	10mm	43mm	23mm
33815	12mm	48mm	27mm
33816	16mm	57mm	38mm

Galvanised Thimble

B.S.464/1

Part No	To fit wire	Length I.D	Width I,D
30770	6mm	27mm	16mm
30780	8mm	33mm	22mm
30790	10mm	38mm	25mm
30800	12mm	44mm	31mm
30810	16mm	58mm	41mm
30820	20mm	73mm	50mm
30830	24mm	108mm	69mm
30831	29mm	-	-
30833	36mm	-	-

Pelican Hook Stainless Steel

AISI 316

Part No	Length	Width
30920	100mm	40mm
30922	150mm	49mm

Lacing Button

AISI 316 stainless steel.

Lacing button for tarpaulin.

Part No	Description
96073	19mm Head x 12.5mm Length (M4 Hole)

Wire Eye Strap

AISI 316. Made of stainless steel, forged and polished.

Part No	Description	Length	Centres
23300	5mm Wire Eye	50mm	37mm
23301	6mm Wire Eye	61mm	46mm
23302	8mm Wire Eye	67mm	49mm
23303	10mm Wire Eye	84mm	61mm

Sheet Eye Strap

AISI 316

Part No	Centres	Eye Width	Height	Hole Ø mm
23310	28mm	11mm	12mm	4mm
23311	34mm	15mm	14mm	5mm
23312	44mm	20mm	19mm	5mm

Cast Wire Eye Strap

Stainless Steel AISI 316.

Part No	Thickness	Length	Height	Centres
76216	5mm	48mm	15mm	35mm

Eye Strap

A2 304 Stainless Steel
16mm Diameter
60mm Overall

Part No	Description
76162	16mm Eye Strap
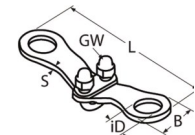
Wire Rope Cleat

Stainless steel A4 AISI 316.

Width (B) : 30mm.
Wire rope diameter (DS-Ø) : 8 + 10mm Thread

(GW) :M6 Thread

Length (L) :110mm

Thickness (S) :3mm

Part No	Description
33866	8-10mm A4 316

Part No	Description	Hole Pitch	Hole Diameter
20286	Large lacing hook	12.7mm	4mm
20287	Small lacing hook	15.7mm	4mm

Part No	Description	Hole Pitch	Hole Diameter
20288	Long lacing hook	12.7mm	4mm
20289	Heavy duty short lacing hook	12.7mm	4mm
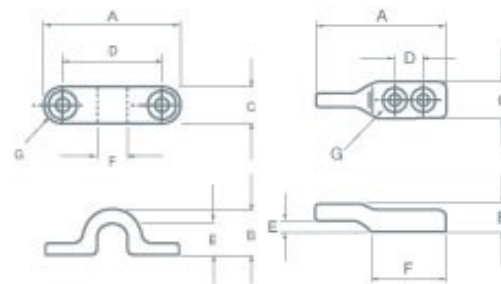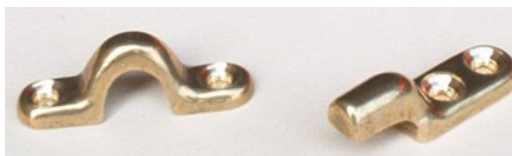
Brass Lacing Hooks & Eyes

Part No	Description	A	B	C	D	E	F	G
20297	Brass Hook	42mm	14mm	13mm	11mm	7mm	28mm	2.5mm
20298	Brass Eye	44mm	15mm	11.5mm	32mm	10mm	12.5mm	2.5mm

Stainless Steel 316 Dropnose Pins

Made of stainless steel; with spring locking mechanism and safety tooth.

Part No	Dimensions (mm)	Part No	Dimensions (mm)
23107	6mm x 50mm	23115	10mm x 50mm
23108	6mm x 80mm	23116	10mm x 80mm
23111	8mm x 50mm	23117	10mm x 100mm
23112	8mm x 80mm	23118	10mm x 120mm
23113	8mm x 100mm		

A2 Grade (308)	Diameter (mm)
33875	10mm
33876	14mm
33877	19mm
33878	28mm

A4 Grade (316)	Dimensions (mm)	A4 Grade (316)	Dimensions (mm)	A4 Grade (316)	Dimensions (mm)
33905	4.75 X 16mm	33915	7.9 X 19mm	33922	9.5 X 32mm
33907	4.75 X 19mm	33916	7.9 X 25mm	33923	9.5 X 38mm
33908	4.75 X 25mm	33917	7.9 X 32mm	33924	12.7 X 25mm
33910	6.35 X 18.5mm	33918	7.9 X 38mm	33925	12.7 X 31.8mm
33912	6.35 X 25mm	33920	9.5 X 19mm	-	
33913	6.35 X 35mm	33921	9.5 X 25mm	-	

Stainless Steel R Clips

A4 Grade (316)	Description
33880	2mm X 48mm
33882	3mm X 70mm
33883	4mm X 76mm
33884	5mm X 100mm
33885	6mm X 125mm

LOOP® THIMBLES - Low Friction Rings

KOHLHOFF LOOP® Thimbles are simple thimbles which can be spliced into control lines. They are used to deflect sheets and control lines, or for lashings. KOHLHOFF LOOP® Thimbles are available in 6 different sizes. They are made of high strength aluminium.

Part No	A	B	C	Max Rope (B)	Weight/g	MWL/kg
53800	20mm	12mm	7mm	6mm	2	150kg
53801	24mm	11mm	11mm	8mm	5	1150kg
53802	30mm	12mm	13.5mm	10mm	7	1750kg
53803	40mm	20mm	17.5mm	12mm	12	2500kg
53804	50mm	25mm	22mm	18mm	39	4000kg
53805	60mm	30mm	26mm	24mm	64	5000kg

Mast Beads - Parrel Beads

Sold Individually
Made from Ash Wood

Part No	Description
20295	35mm mast beads
20296	25mm mast beads

Cam Strap

Various colours and lengths.

Part No	Description
53820	1.5M Yellow
53822	3.5M Orange
53824	5M Green

Kingfisher Webbing

Available in two colours and two widths. Sold by the metre.

Width	Blue	Black
25mm	37682	37684
50mm	37694	37696

Stainless Steel Flat Eye Strap AISI316

Part No	Description	Dimensions	Centres
96317	30mm Flat Eye Strap	48 x 15mm	38mm
96318	50mm Flat Eye Strap	68.5 x 15mm	55mm
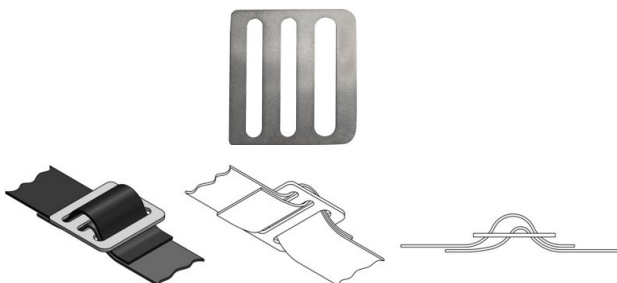
3 slit AISI 304 buckle

Part No	Description
96319	For straps up to 30mm
96320	For straps up to 50mm

White Nylon Eye Strap

Part No	Description
96340	30mm Wide
96341	40mm Wide
96342	50mm Wide

These fenders use a specially designed Majoni adaptor to inflate with a bicycle pump or car pump.
The recommended pressure is 0.2 bar / 2.p psi which allows you to give a little visible pressure to the fender with your flat hand.

Star Fender White

Easy to inflate by ball-valve.
Strong eyes.

Part No	Description	Length	Diameter
34200	Star Fender 1 White	45cm	12cm
34201	Star Fender 2 White	58cm	15cm
34202	Star Fender 3 White	62cm	21cm
34203	Star Fender 4 White	72cm	24cm
34204	Star Fender 5 White	90cm	30cm

Star Fender Navy

Easy to inflate by ball-valve.
Strong eyes.

Part No	Description	Length	Diameter
34209	Star Fender 1 Navy	45cm	12cm
34210	Star Fender 2 Navy	58cm	15cm
34211	Star Fender 3 Navy	62cm	21cm
34212	Star Fender 4 Navy	72cm	24cm
34213	Star Fender 5 Navy	90cm	30cm

Star Fender Socks

• Pulled over the fender to prevent scratching of the hull.
• Made of 100% acrylic, washable
• UV resistant
• Suits all Majoni "STAR" and "DROP" fenders.

Part No	Description
34215	Navy Fender Sock Fits Star 1 Navy
34216	Navy Fender Sock Fits Star 2 Navy
34217	Navy Fender Sock Fits Star 3 Navy
34218	Navy Fender Sock Fits Star 4 Navy
34219	Navy Fender Sock Fits Star 5 Navy

Heavy Duty Fender White

Extra strong heavy duty fenders with black head and ball valve. Head of the fender is massive so that they can be extra loaded.

Part No	Description	Length	Diameter
34224	Heavy Duty Fender White	54cm	13cm
34225	Heavy Duty Fender White	65cm	15cm
34226	Heavy Duty Fender White	75cm	20cm
34227	Heavy Duty Fender White	85cm	25cm

Heavy Duty Fender Navy

Extra strong heavy duty fenders with black head and ball valve. Head of the fender is massive so that they can be extra loaded.

Part No	Description	Length	Diameter
34233	Heavy Duty Fender 1 Navy	54cm	13cm
34234	Heavy Duty Fender 2 Navy	65cm	15cm
34235	Heavy Duty Fender 3 Navy	75cm	20cm
34236	Heavy Duty Fender 4 Navy	85cm	25cm

Mega Fender

The Talamex Mega Fender by Majoni is a tough, double ended marine fender for vertical or horizontal use in two extra large sizes

Part No	Description	Length	Diameter
34359	Mega Fender White	110cm	35cm
34360	Mega Fender White	140cm	45cm
34361	Mega Fender Blue	110cm	35cm
34362	Mega Fender Blue	140cm	45cm

Pick Up Buoy

Anchor Marine Pick Up Buoy

Well designed mooring buoys, which are easy to grab by hand or with a boathook. The thimbled eye at the bottom ensures a strong line attachment. Signal Orange.

Part No	Description
34400	8" Signal Orange Pick Up Buoy
34401	12" Signal Orange Pick Up Buoy

Pick Up Fender

Part No	Description	Length	Diameter
34328	Pick Up Fender Orange	35cm	15cm
34329	Pick Up Fender Orange	40cm	18cm

Bow Fender

Part No	Description	Width	Length
34323	Bow Fender White	33cm	34cm
34324	Bow Fender White	52cm	51cm
34325	Bow Fender Navy	33cm	34cm
34326	Bow Fender Navy	52cm	51cm

Stair Fenders

Part No	Description	Width	Diameter	Height
34376	2 Stair Fender White	25cm	12cm	55cm
34379	2 Stair Fender Blue	25cm	12cm	55cm
34377	3 Stair Fender White	25cm	12cm	75cm
34378	3 Stair Fender Blue	25cm	12cm	75cm

MAJONI

Dumpy Fenders

Practical and compact inflatable fender.

Part No	Description	Length	Diameter
34272	Dumpy Fender White	30cm	15cm
34273	Dumpy Fender White	36cm	18cm
34279	Dumpy Fender Navy	30cm	15cm
34280	Dumpy Fender Navy	36cm	18cm

Bow Fender White V Shape

Bow fender specially designed for extra protection at the bow of modern steep bow yachts.

Part No	Description	Width	Length
34327	Bow Fender White V Shape	14cm	60cm

Angled Fenders

Part No	Description
34380	White Angle Fender Diameter 15cm x Length 32cm
34381	Navy Angle Fender Diameter 15cm x Length 32cm

Heavy Duty Marker Buoy Orange

Extra strong heavy duty marker buoys fitted with a ball valve. Head of the fender is solid and also has stainless steel tubing for extra high load.

Part No	Description	Height	Diameter
34307	Heavy Duty Marker Buoy	48cm	35cm
34308	Heavy Duty Marker Buoy	62cm	45cm
34309	Heavy Duty Marker Buoy	73cm	55cm
34310	Heavy Duty Marker Buoy	88cm	65cm
34311	Heavy Duty Marker Buoy	105cm	85cm

Marker Buoy White

Part No	Description	Height	Diameter
34291	Marker Buoy White	48cm	35cm
34292	Marker Buoy White	62cm	45cm
34293	Marker Buoy White	73cm	55cm
34294	Marker Buoy White	88cm	65cm

Marker Buoy Orange

Part No	Description	Height	Diameter
34299	Marker Buoy Orange	48cm	35cm
34300	Marker Buoy Orange	62cm	45cm
34301	Marker Buoy Orange	73cm	55cm
34302	Marker Buoy Orange	88cm	65cm

Marker Buoy Yellow

Part No	Description	Height	Diameter
34303	Marker Buoy Yellow	21cm	15cm
34304	Marker Buoy Yellow	28cm	21cm
34305	Marker Buoy Yellow	36cm	26cm
34306	Marker Buoy Yellow	40cm	35cm

Short Orange Mooring Buoys

Part No	Description	Height	Diameter
34363	Short Orange Mooring Buoy	60cm	30cm
34364	Short Orange Mooring Buoy	80cm	40cm
34365	Short Orange Mooring Buoy	90cm	50cm
34366	Short Orange Mooring Buoy	100cm	60cm

Long Orange Mooring Buoys

Lollipop Type

Part No	Description	Height	Diameter
34367	Long Orange Mooring Buoy	115cm	40cm
34368	Long Orange Mooring Buoy	140cm	50cm
34369	Long Orange Mooring Buoy	165cm	60cm

Dock Fenders

In strong winds and strong currents safe and secure docking. Inflatable dock fender, UV resistible PVC.
6-screw attachment .
W x H x D cm
110 x 24 x 24

Part No	Description
34383	White Dock Fender
34384	Navy Dock Fender

Dock Corner Fenders Bow

For corners and roundings.
Bendable till 90°
Inflatable, UV resistible PVC.
3-screw attachment

W x H x D cm
100 x 19 x 19

Part No	Description
34385	White Dock Fender
34386	Navy Dock Fender

Flexible White Dock Fender

Special fender for swimming and jetties. Inflatable fender is foldable in two positions. Therefore it is also suitable for corners.
8 screw attachment system.

W x H x D cm

100 x 12 x 7

Part No	Description
34382	White Flexible Dock Fender

Flat fenders

Made of an EVA 100+PE 30 sandwich (closed cell materials). They are floating and oil-resistant. Very sturdy and elastic, they can be used as emergency cushions or floating aids

Part No	Description
96070	Flat Fender 48 x 18 x 5cm
96071	Flat Fender 65 x 31 x 8cm
96072	Flat Fender 95 x 31 x 8cm

Rubber Mooring Snubber

Simply run mooring line through the ends and put three or four turns around the snubber to reduce sudden loads on cleats.

Part No	Description
76384	Mooring Snubber for 14mm Rope

Adapter Valve Majoni
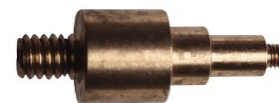
Part No	Description
34375	Adapter Valve

Spare Valve Majoni

Part No	Description
34374	Spare Valve

Aluminium Alloy Boathooks

High quality aluminium boathooks available in fixed lengths of 4ft and 6ft and also in a telescopic design with a variable reach from 3ft to 8ft.

Part No	Description
90581	4ft Fixed
90582	6ft Fixed
90580	3 - 8ft Telescopic

Fixed type

Telescopic Type

Aluminium Boat Hooks

Part No	Description
90574	Telescopic Anodised aluminium with PVC hook. Floats. 1.2M - 2.2M
90575	Talamex Telescopic Boathook 1.2 - 2.1M
90576	1.6M Fixed Anodised aluminium with PVC hook.
90577	1.8M Fixed Anodised aluminium with PVC hook.

Wooden Boat Hooks

A conical flagpole in pine
Truck with holes
Finished with special varnish

Part No	Type
90578	Plastic Head Wooden Pine Boathook 1.2M
90579	Stainless Steel Head Wooden Pine Boathook 2.4M

8" Stainless Steel Boathook Head

Hook length: 1 3/4" (45mm)

Internal dia. at open end: 1 1/4" (32mm)

Part No	20291
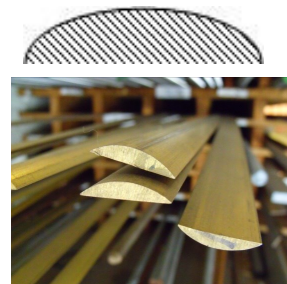
Rubbing Strakes
Stainless steel mirror polished (304).
3/4" & 1" Wide Rubbing Strakes, with a hole size of 8.

Part No	Description	Part No	Description
76390	3/4" X 8"	76062	1" X 12"
76392	3/4" X 12"	76064	1" X 18"
76394	3/4" X 18"	76066	1" X 24"
76396	3/4" X 24"		

Plastic Convex / Keel Band

Tough, grey plastic convex in 10' (3.05m) lengths.

These plastic strips are usually stuck on with adhesive and screwed every 4 inches or so.

Part No	Description
91060	1" X 1/4" X 10' (25mm X 6mm X 3m)
91061	1 1/2" X 1/4" X 10' (38mm X 6mm X 3m)

Brass Convex

Often referred to as half round or keel band.

Part No	Size (Width x Depth x Length)
90990	6mm x 3mm x 3m
90995	10mm x 5mm x 3m
91010	15mm x 5mm x 3m
91020	3/4" X 3/16" X 10' (19mm X 5mm X 3m)
91030	3/4" X 1/4" X 10' (19mm X 6mm X 3m)
91035	19.05mm x 9.53mm x 3m
91040	1" x 3/16 x 3m
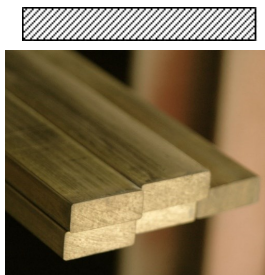
Brass Flat Strip

Part No	Size
90974	3/4" X 1/8" X 10' (19mm X 3.2mm X 3m)
90975	1" X 1/8" X 10' (25mm X 3.2mm X 3m)
90976	1 1/4" X 1/8" X 10' (32mm X 3.2mm X 3m)
90980	1 1/2" X 1/8" X 10' (38mm X 3.2mm X 3m)

Metal rod

Available in 3m lengths and in various types of material.

Size	Brass	Copper	Bronze
3/16 X 10' (5mm X 3m)	91254	-	-
1/4" X 10' (6mm X 3m)	91255	91180	91279
5/16" X 10' (8mm X 3m)	91260	91190	91280
3/8" X 10' (10mm X 3m)	91265	91200	91282
1/2" X 10' (12mm X 3m)	91270	91210	91284
5/8" X 10' (16mm X 3m)	91275	91220	91286
3/4" X 10' (19mm X 3m)	-	-	91288
7/8" X 10' (22mm X 3m)	-	-	91290

Sailmakers Palms

Part No	Description
35203	Left Handed
35204	Right Handed

Selma Splicing Set

• Stainless Steel
• For splicing modern rope constructions.
• 4 Needles: Ø: 1 x 4mm, 1 x 5.5mm, 1 x 7.5mm, 1 x 10mm

Part No	Description
35202	Selma Splicing Set 4 Needles

Kevlar Scissors

These compact shears are designed to cut Kevlar and other tough materials. With a carbon steel blade, the scissors deliver a strong and precise cut. The compact design ensures excellent handling and control, while giving you the leverage you need for heavy-duty applications. These 6 1/4 inch shears are also ideal for cutting everyday fabrics and materials, and so are a highly versatile tool.

Part No	Description
35205	6 1/4" Kevlar Scissors

Splice Fids

Stainless steel with wooden handle.

Part No	Description
35200	170mm Up to 16mm Rope
35199	265mm Over 16mm Rope

Sailmaker Needles

5 different needles per pack:

Upholsterers
Leather
Sail Tent
Carpet
Sack

Part No	Description
35201	5 Sailmakers Needles

Bungee Cords

Quality bungee cords available in 5 lengths.

Part No	Description
91650	12" (305mm)
91655	15" (381mm)
91660	18" (457mm)
91665	24" (610mm)
91670	36" (914mm)

Shockcord

Kingfisher's shockcords have a braided cover and a natural rubber core. The ropes are made to have 100% stretch, have good abrasion resistance and are used for many applications.

Diameter (mm)	White & Blue Fleck	Black
3	37550	37596
4	37552	37598
5	37554	37600
6	37556	37602
8	37560	37604
10	37562	37606
12	37564	-

Shockcord Snaphooks

Black plastic hooks that attach cleverly to the end of shockcord or bungee ropes.

Part No	Suitable for sizes
91680	5 - 6mm
91682	8mm
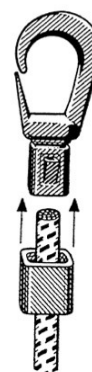
Shockcord Ball loops

Part No	Description
39157	75mm long
39158	100mm long
39159	150mm long

8 Plait Standard Polyester Cord

Standard polyester cord is an ideal mouse line and general purpose rope. Polyester has a specific gravity of 1.38 which means it will not float. Polyester has no strength loss when wet, it is flexible and has good abrasion resistance. Polyester fibres also have good resistance to chemicals and have a melting point of 295°C.

Part No	Description	Min Break Strength (kgs)
37641	8 Plait White Cord 1.5mm	70
37642	8 Plait White Cord 2mm	115
37645	8 Plait White Cord 3mm	185
37646	8 Plait Black Cord 3mm	185
37650	8 Plait White Cord 4mm	340
37651	8 Plait Black Cord 5mm	540
37652	8 Plait White Cord 5mm	540

RIG12 Dyneema Core

Rig12 is a 12 strand Dyneema® SK78 single braid with PU Coating for improved protection against abrasion and the elements. This low stretch line is very easy to splice and is ideal for halyards, control lines, lashings and strops.

Diameter (mm)	Black	Breaking Strain (kg)
2	39050	450
2.5	39051	670
3	39052	900
4	39053	1400
5	39054	2400
6	39055	3200
8	39056	5600

Floatline - 8 Plait Polypropylene Rope

Floatline is single 8 plait braided multi-filament Polypropylene rope with no core. This rope is made in bright colours for high visibility, floats and is an ideal safety rope.

Diameter (mm)	Yellow & Red	Breaking Strain (kg)
6	39110	550
8	39111	870
10	39112	1300

3 Strand Polyester

3 Strand Polyester is soft, strong and is an ideal mooring rope, it is also very easy to splice. All our polyester ropes are now heat set to give better balance and lower stretch.

Diameter (mm)	White	Navy	Breaking Strain (kg)
6	39121	-	650
8	39122	39132	1150
10	39123	39133	1850
12	39124	39134	3000
14	39125	39135	3400
16	39126	39136	5000
18	39127	-	6400
20	39128	39138	8400
24	39129	-	11500

Classic Buff 3 Strand Polyester

3 Strand Polyester classic, is produced using Matt Polyester yarns this makes the product feel very traditional. This rope is easy to splice and is very soft and strong and is ideal for rigging on classic sailing yachts.

Diameter (mm)	Classic Beige	Breaking Strain (kg)
6	39140	556
8	39141	1016
10	39142	1426
12	39143	1900
14	39144	2800
16	39145	3450
18	39146	4300
20	39147	5800

3 strand Nylon

This rope is an ideal anchor and mooring rope. It is high strength yet flexible, splices easily and coils neatly.

Diameter (mm)	White	Breaking Strain (kg)
10	39150	2080
12	39151	3800
14	39152	4800
16	39153	5900
18	39154	6800
20	39155	8400
24	39156	12400

White 8 Strand Anchorplait Rope

This rope is made from Nylon and is an ideal anchor and mooring rope. It is high strength yet flexible, splices to chain easily and coils neatly.

Diameter (mm)	White	Breaking Strain (kg)
14	39160	4800
16	39161	5900
18	39162	6800

Kingfisher Webbing

Available in two colours and two widths. Sold by the metre.

Width (mm)	Blue	Black
25	37682	37684
50	37694	37696

Kingfisher Guardrail Netting
1m wide
50mm mesh

Part No	Description
39179	1m wide

Kingfisher Pre spliced Navy Dockline

Dockline is a braided mooring line, it has a polyester cover and a braided nylon core. Due to the construction of the rope it has a good abrasion resistance while also being very strong and comfortable to handle.

Part No	Diameter mm	Length M
39180	12mm	5M
39181	12mm	10M
39182	14mm	10M
39183	16mm	10M

kingfisher
YACHT ROPES™

ROPES TESTED TO THE LIMIT

All our ropes are tested to the limit. On the water, in some of the world's greatest yacht races, and off the water at the factory where we test all ropes to destruction. We always publish minimum spliced breaking loads as the only loads that are achievable by, and relevant to, the user.

YACHTROPES.CO.UK

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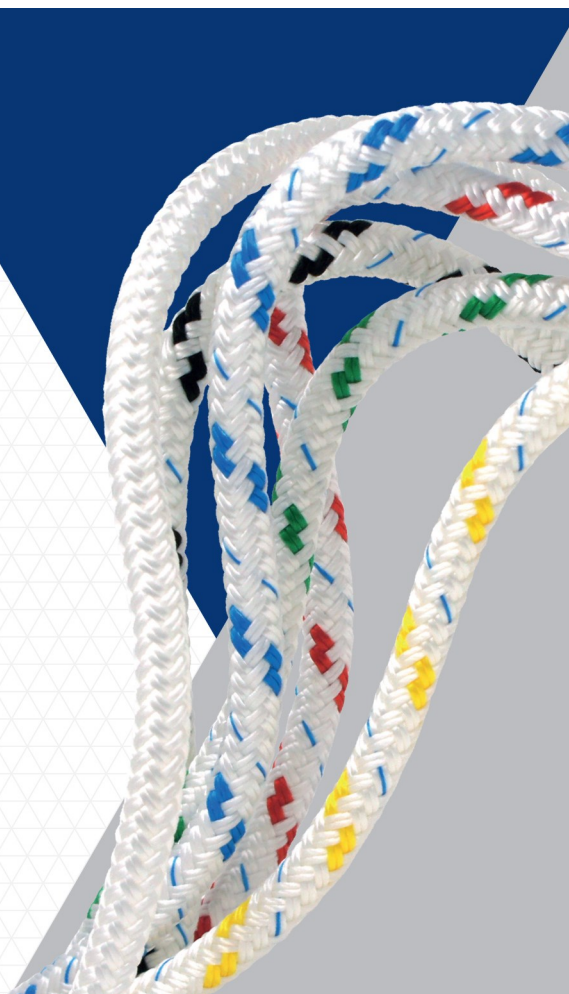
Braid on Braid

Kingfisher's heat set Braid on Braid Polyester is an ideal cruising rope. It is good on the hands and easy to splice. Braid on Braid has a low stretch braided Polyester core with an abrasion resistant braided Polyester cover. After braiding, the rope is heat set under load to reduce stretch. It is ideal for sheets, halyards, control lines and many general purpose applications. Sold by the metre.

Diameter (mm)	Red Fleck	Blue Fleck	Yellow Fleck	Green Fleck	Solid White	Solid Navy	Solid Beige	Solid Red	Breaking Strain (kg)
6	39000	39004	39008	39012	39016	39020	39024	39028	820
8	39001	39005	39009	39013	39017	39021	39025	39029	1300
10	39002	39006	39010	39014	39018	39022	39026	-	2400
12	39003	39007	-	39015	39019	39023	39027	-	3200

Dyneema Cruise

This rope is made with a HT Polyester braided cover, and a braided Dyneema® core, all lines have intermediate covers to reduce core / cover slippage. This rope has been designed as an upgrade to our 100% Polyester ropes and is lighter with higher strength and lower stretch.

Diameter (mm)	Blue	Red	Green	Black	Breaking Strain (kg)
6	39030	39034	39038	39041	1100
8	39031	39035	39039	39042	2100
10	39032	39036	39040	39043	3400
12	39033	39037	-	-	5200

Evolution Race 78 - Dinghy Dyneema

This rope has a high performance Dyneema® SK78 12 strand coated core that is high strength, low stretch and low creep. It has a hard wearing HT braided Polyester cover and is easy to splice.

Diameter (mm)	Red	Blue	Yellow	Gold	Breaking Strain (kg)
2	39060	39065	39070	39075	200
3	39061	39066	39071	39076	370
4	39062	39067	39072	39077	820
5	39063	39068	39073	39078	1275
6	39064	39069	39074	39079	1885

Evolution Performance - Control Lines/Sheets/Halyards/Dinghies/Small Boats

Evolution Performance has a low stretch Polyester core with hard wearing 16 plait Polyester cover. It is ideal for control lines, sheets and halyards on dinghies and small sailboats. Similar to sprintline.

Diameter (mm)	Red	Blue	White	Black	Purple	Yellow	Orange	Breaking Strain (kg)
3	39080	39084	39088	39092	39096	39100	39104	175
4	39081	39085	39089	39093	39097	39101	39105	365
5	39082	39086	39090	39094	39098	39102	39106	500
6	39083	39087	39091	39095	39099	39103	39107	800

Evolution Performance Mini Spools

Evolution Performance is a low stretch polyester rope with a hardwearing cover.

Diameter (mm)	White	Red	Blue	Yellow	Orange	Purple	Black
3	39166	39167	39168	39169	39170	39171	39172

Braided Whipping Twine
Waxed polyester braided whipping twine.

Diameter (mm)	White	Red	Blue	Black	Classic/ Beige
1	39173	39175	39176	39177	39178
1.4	39174	-	-	-	-

RWO *Performance Sailing Equipment*

Plastic Body Blocks for 6mm Rope (Plain Bearing)

53300 53301 53302 53303 53304 53305 53306

6mm Plain Bearing RWO Blocks

Series 19 Micro Blocks offer a compact, comprehensive range for small lines everywhere. The bearings ensure longer life, even under arduous seawater sailing conditions

Part No	RWO	Description	Sheave Diameter (mm)	Working Load (kg)	Breaking Load (kg)
53300	R7101	19mm Plain Bearing Looptop Single	19	285	570
53301	R7129	19mm Plain Bearing Looptop Single + Fork	19	285	570
53302	R7102	19mm Plain Bearing Looptop Single +Becket	19	285	570
53303	R7111	19mm Plain Bearing Looptop Double	19	285	570
53304	R7112	19mm Plain Bearing Looptop Double + Becket	19	285	570
53305	R7114	19mm Plain Bearing Looptop Triple	19	285	570
53306	R7115	19mm Plain Bearing Looptop Triple + Becket	19	285	570

Plastic Body Blocks for 6mm Rope (Ball Bearing)

53316 53317 53318 53319 53320 53321 53322

6mm Ball Bearing RWO Blocks

Series 19 Micro Blocks offer a compact, comprehensive range for small lines everywhere. The bearings ensure longer life, even under arduous seawater sailing conditions.

Part No	RWO	Description	Sheave Diameter (mm)	Working Load (kg)	Breaking Load (kg)
53316	R5101	19mm Ball Bearing Looptop Single	19	130	450
53317	R5129	19mm Ball Bearing Single + Fork	19	130	450
53318	R5102	19mm Ball Bearing Looptop Single + Becket	19	130	450
53319	R5111	19mm Ball Bearing Double	19	130	450
53320	R5112	19mm Ball Bearing Double + Becket	19	130	450
53321	R5120	19mm Ball Bearing Triple	19	130	450
53322	R5122	19mm Ball Bearing Triple + Becket	19	130	450

Plastic Body Blocks for 8mm Rope (Plain Bearing)

53331 53332 53333 53334 53335 53336

8mm Plain Bearing RWO Blocks

Series 28 blocks are available in a wide range of configurations and offer the primary demands in design, high performance and strength with a compact design.

Part No	RWO	Description	Sheave Diameter (mm)	Working Load (kg)	Breaking Load (kg)
53331	R7206	28mm Plain Bearing Single Cheek Block	28mm	430	850
53332	R7229	28mm Plain Bearing Single	28mm	430	850
53333	R7230	28mm Plain Bearing Single + Becket	28mm	430	850
53334	R7211	28mm Plain Bearing Double	28mm	430	850
53335	R7214	28mm Plain Bearing Triple	28mm	430	850
53336	R7215	28mm Plain Bearing Triple + Becket	28mm	430	850

Plastic Body Blocks for 8mm Rope (Ball Bearing)

53345 53346 53347 53348 53349 53350 53351

Part No	RWO	Description	Sheave Diameter (mm)	Working Load (kg)	Breaking Load (kg)
53345	R5207	28mm Ball Bearing Single + Swivel	28mm	140	850
53346	R5201	28mm Ball Bearing Looptop Single	28mm	140	850
53347	R5202	28mm Ball Bearing Looptop Single + Becket	28mm	140	850
53348	R5211	28mm Ball Bearing Double	28mm	140	850
53349	R5212	28mm Ball Bearing Double + Becket	28mm	140	850
53350	R5221	28mm Ball Bearing Triple	28mm	140	850
53351	R5222	28mm Ball Bearing Triple + Becket	28mm	140	850

Plastic Body Blocks for 10mm Rope (Plain Bearing)

| 53361 | 53362 | 53363 | 53364 | 53365 | 53366 | 53367 |

10mm Plain Baring RWO Blocks

Series 38 Blocks are available in a wide range of configurations and offer the primary demands in design, high performance and strength with a compact size.

Part No	RWO	Description	Sheave Diameter (mm)	Working Load (kg)	Breaking Load (kg)
53361	R7303	38mm Plain Bearing Single	38mm	450	900
53362	R7304	38mm Plain Bearing Single + Becket	38mm	450	900
53363	R7311	38mm Plain Bearing Double	38mm	450	900
53364	R7312	38mm Plain Bearing Double + Becket	38mm	450	900
53365	R7314	38mm Plain Bearing Triple	38mm	450	900
53366	R7315	38mm Plain Bearing Triple + Becket	38mm	450	900
53367	R7307	38mm Plain Bearing Single Swivel	38mm	450	900

Plastic Body Blocks for 10mm Rope (Ball Bearing)

| 53378 | 53379 | 53380 | 53381 | 53382 | 53383 |

10mm Ball Bearing RWO Blocks

Series 38 Blocks are available in a wide range of configurations and offer the primary demands in design, high performance and strength with a compact size.

Part No	RWO	Description	Sheave Diameter (mm)	Working Load (kg)	Breaking Load (kg)
53378	R5303	38mm Ball Bearing Single + Swivel	38mm	230	900
53379	R5304	38mm Ball Bearing Single + Swivel + Becket	38mm	230	900
53380	R5311	38mm Ball Bearing Double + Swivel	38mm	230	900
53381	R5312	38mm Ball Bearing Double + Swivel + Becket	38mm	230	900
53382	R5321	38mm Ball Bearing Triple + Swivel	38mm	230	900
53383	R5322	38mm Ball Bearing Triple + Swivel + Becket	38mm	230	900

Plastic Body Blocks for 10mm Rope (Plain Bearing)

53401

53402

53393

53394

53395

53396

53397

53398

53399

53400

10mm Plain Bearing RWO Blocks

Series 45 Blocks are available in numerous versions including a matching ratchet block.

Part No	RWO	Description	Sheave Diameter (mm)	Working Load (kg)	Breaking Load (kg)
53393	R7401	45mm Plain Bearing Looptop Single	45	600	1200
53394	R7402	45mm Plain Bearing Looptop Single + Becket	45	600	1200
53395	R7403	45mm Plain Bearing Single + Swivel	45	600	1200
53396	R7404	45mm Plain Bearing Single + Swivel + Becket	45	600	1200
53397	R7411	45mm Plain Bearing Double	45	600	1200
53398	R7413	45mm Plain Bearing Double + Becket	45	600	1200
53399	R7416	45mm Plain Bearing Triple	45	600	1200
53400	R7415	45mm Plain Bearing Triple + Becket	45	600	1200
53401	R7421	45mm Plain Bearing Fiddle + Swivel	45	600	1200
53402	R6353	Becket For 45mm Fiddle	45	600	1200

Plastic Body Blocks for 10mm Rope (Ball Bearing)

53412

53413

53414

53415

53416

Part No	RWO	Description	Sheave Diameter (mm)	Working Load (kg)	Breaking Load (kg)
53412	R5403	45mm Ball Bearing Single + Swivel	45	225	900
53413	R5404	45mm Ball Bearing Single + Swivel + Becket	45	225	900
53414	R5411	45mm Ball Bearing Double + Swivel	45	225	900
53415	R5412	45mm Ball Bearing Double + Swivel + Becket	45	225	900
53416	R5421	45mm Ball Bearing Fiddle	45	225	900

RWO
Performance Sailing Equipment

Plastic Body Blocks for 12mm Rope (Plain Bearing)

| 53426 | 53427 | 53428 | 53429 | 53430 | 53431 | 53432 | 53433 |

12mm Plain Bearing RWO Blocks

Series 57 Blocks are available in numerous versions and are useful wherever a powerful compact multitackle is required.

Part No	RWO	Description	Sheave Diameter (mm)	Working Load (kg)	Breaking Load (kg)
53426	R7503	57mm Plain Bearing Single + Swivel	57	850	1700
53427	R7504	57mm Plain Bearing Single + Swivel + Becket	57	850	1700
53428	R7511	57mm Plain Bearing Double + Swivel	57	850	1700
53429	R7512	57mm Plain Bearing Double + Swivel + Becket	57	850	1700
53430	R7514	57mm Plain Bearing Triple + Swivel	57	850	1700
53431	R7515	57mm Plain Bearing Triple + Swivel + Becket	57	850	1700
53432	R7521	57mm Plain Bearing Fiddle + Swivel	57	850	1700
53433	R6390	Becket for 53432	N/A	N/A	N/A

Plastic Body Blocks for 12mm Rope (Ball Bearing)

| 53443 | 53444 | 53445 | 53446 | 53447 | 53448 |

Part No	RWO	Description	Sheave Diameter (mm)	Working Load (kg)	Breaking Load (kg)
53443	R5500	57mm Ball Bearing Single + Swivel	57	230	900
53444	R5501	57mm Ball Bearing Single + Swivel + Becket	57	230	900
53445	R5511	57mm Ball Bearing Double + Swivel	57	230	900
53446	R5512	57mm Ball Bearing Double + Swivel + Becket	57	230	900
53447	R5514	57mm Ball Bearing Triple + Swivel	57	230	900
53448	R5521	57mm Ball Bearing Fiddle	57	230	900

RWO
Performance Sailing Equipment

Plastic Body Blocks for 14mm Rope (Plain Bearing)

53458   53459   53460   53461

14mm Plain Bearing RWO Blocks

Series 76 Plain Bearing Blocks are robust, strong and reliable.

Part No	RWO	Description	Sheave Diameter (mm)	Working Load (kg)	Breaking Load (kg)
53458	R7603	76mm Plain Bearing Single + Swivel	76mm	1500	3000
53459	R7604	76mm Plain Bearing Single + Swivel + Becket	76mm	1500	3000
53460	R7611	76mm Plain Bearing Double + Swivel	76mm	1500	3000
53461	R7612	76mm Plain Bearing Double + Swivel + Becket	76mm	1500	3000

Plastic Body Blocks for 14mm Rope (Ball Bearing)

53471   53472   53473   53474   53475

14mm Ball Bearing RWO Blocks

Series 76 Ball Bearing Blocks are available in many versions and are used wherever a powerful tackle is required.

Part No	RWO	Description	Sheave Diameter (mm)	Working Load (kg)	Breaking Load (kg)
53471	R5600	76mm Ball Bearing Single + Swivel	76mm	365	1450
53472	R5601	76mm Ball Bearing Single + Swivel + Becket	76mm	365	1450
53473	R5611	76mm Ball Bearing Double + Swivel	76mm	365	1450
53474	R5612	76mm Ball Bearing Double + Swivel + Becket	76mm	365	1450
53475	R5614	76mm Ball Bearing Triple + Swivel	76mm	365	1450

RWO
Performance Sailing Equipment

Stainless Steel Blocks for 8mm Rope (Plain Bearing)

| 53485 | 53486 | 53487 | 53489 | 53490 | 53491 |

8mm Stainless Steel Plain Bearing RWO Blocks

Stainless Blocks 25 are for general purpose use. They are economical, reliable and extremely versatile, with a variety of head fixings and mounts; making them ideal for small marine and industrial rope applications.

Part No	RWO	Description	Sheave Diameter (mm)	Working Load (kg)	Breaking Load (kg)	Rope Size
53485	R1000	SS Block 25 Plain Bearing Single Open	25	N/A	650	8mm
53486	R1410	SS Block 25 Plain Bearing Single Bullet	25	N/A	650	8mm
53487	R1610	SS Block 25 Single General	25	N/A	650	8mm
53489	R4960	SS Block 25 Single V Jammer	25	N/A	650	8mm
53490	R1080	SS Block 25 Double	25	N/A	650	8mm
53491	R1100	SS Block 25 Triple	25	N/A	650	8mm

Aeroblocks for 8mm Rope (Plain Bearing)

| 53501 | 53502 | 53503 | 53504 |

Part No	RWO	Description	Sheave Diameter (mm)	Working Load (kg)	Breaking Load (kg)	Rope Size
53501	R1121	25mm Aeroblock Single Loop	25	N/A	600	8mm
53502	R1122	25mm Aeroblock Single + Becket	25	N/A	600	8mm
53503	R1123	25mm Aeroblock Single + Swivel	25	N/A	600	8mm
53504	R1124	25mm Aeroblock Single + Swivel + Becket	25	N/A	600	8mm

Aeroblocks for 10mm Rope (Plain Bearing)

| 53514 | 53515 | 53516 | 53517 |

Part No	RWO	Description	Sheave Diameter (mm)	Working Load (kg)	Breaking Load (kg)	Rope Size
53514	R1131	25mm Aeroblock 10mm Single Looptop	25	N/A	600	10mm
53515	R1132	25mm Aeroblock 10mm Single + Becket	25	N/A	600	10mm
53516	R1133	25mm Aeroblock 10mm Single + Swivel	25	N/A	600	10mm
53517	R1134	25mm Aeroblock 10mm Single + Swivel + Becket	25	N/A	600	10mm

Series 28 Nova for 8mm Rope (Plain Bearing)

R7207 28 Nova Swivel & M4 Screw Shackle RWO Block

Series 28 plain bearing single swivel block, maximum line size 8mm, maximum working load 430kgs.

Part No	Description
53573	R7207 8mm Swivel Block

R7216 – 28 Nova Single Rubber Mounted RWO Block

Series 28 plain bearing single 2 hole fixing tang block, maximum line size 8mm, maximum working load 430kgs

Part No	Description
53574	R7216 8mm Swivel Block

RWO — *Performance Sailing Equipment*

53531

53532

53533

Servo Camcleats

With their unique cam design that requires only downward pressure to function, The Delrin® cams, which incorporate integral stainless steel inserts, provide maximum holding power. A well proven Olympic cleat that functions well with the new hi-tech ropes such as Spectra, Vectran & Zylon, and the steel grips do not suffer from rope burn.

Part No	RWO	Description	Centres (mm)	Max Load (kg)	Rope Size
53531	SC110	Servo 11 Camcleat	27	100	3-7mm
53532	SC220	Servo 22 Camcleat	38	200	6-12mm
53533	SC330	Servo 33 Camcleat	52	220	10-16mm

53534

53535

Grippit Camcleats

Two sizes are available. The cams are in anodised aluminium alloy with hi-tech 'acetal' axial bearing surfaces, to ensure minimum weight and good operational resilience to corrosion and extreme usage.

Part No	RWO	Description	Centres (mm)	Maximum Working Load (kg)	Rope Size
53534	R3610	Grippit Camcleat Small	27	100	3-7mm
53535	R3640	Grippit Camcleat Medium	38	160	5-12mm

53527

53528

53529

53530

Camcleat Accessories

Maximum use has been made of hi-tech marine grade materials to cater for modern rope line technology.

Part No	Description
53527	Camcleat Varishim 38mm Centres (R3503)
53528	Camcleat Small Wedge 27mm Centres (R3618)
53529	Camcleat Medium Wedge 38mm Centres (R3648)
53530	Camcleat Large Wedge 52mm Centres (SC338)

Servo Fairleads

53536

53537

53538

53539

53540

53541

53542

Part No	RWO	Description
53536	SC114	Servo 11 SS Top Fairlead
53537	R3612	Servo 11 SS Rear Fairlead
53538	SC115	Servo 11 SS Front Fairlead
53539	SC224	Servo 22 SS Top Fairlead
53540	R3642	Servo 22 SS Rear Fairlead
53541	SC225	Servo 22 SS Front Fairlead
53542	SC334	Servo 33 SS Top Fairlead

Ball Stoppers Sold Each

Part No	Description
53550	Ball Stopper Green 4mm
53551	Ball Stopper Green 6mm
53552	Ball Stopper Green 8mm

Part No	Description
53553	Ball Stopper Red 4mm
53554	Ball Stopper Red 6mm
53555	Ball Stopper Red 8mm

5mm Bullseye

Black moulded bullseye with a stainless steel ferrule.

Aperture 6mm.

Hole centre15mm.

Height 14mm

Manufactured from high load bearing acetal resin for use to re-direct lines.

Part No	Description
53572	R2934S Bullseye 5mm

14mm Bullseye

Black moulded bullseye with a stainless steel ferrule.

Aperture 14mm.

Hole centre 24mm.

Height 23mm.

Manufactured from high load bearing acetal resin for use to re-direct lines

Part No	Description
53575	R2944S Bullseye 14mm

18mm Bullseye

Black moulded bullseye with a stainless steel ferrule.

Aperture 18mm.

Hole centre 33mm.

Height 30mm.

Manufactured from high load bearing acetal resin for use to re-direct lines

Part No	Description
53571	R2984S Bullseye 14mm

Mightystik 57-77Cm Telescopic Tiller Extension	
Part No	Description
53570	RWO R0531ST Tiller Extension 57 - 77CM
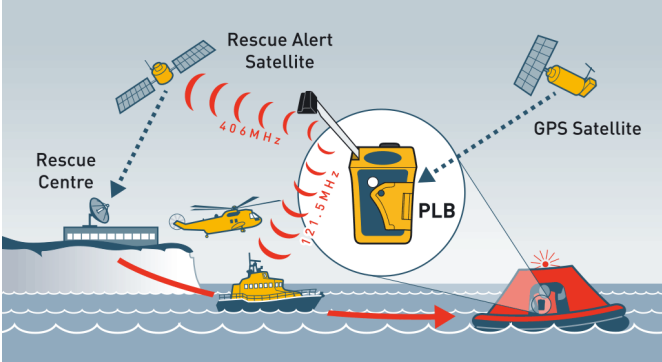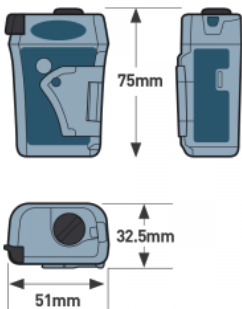
Part No	Description
90630	PLB1 Personal Locator Beacon

- 30% smaller (typ) by volume*

- Easily fits in lifejacket

- Retractable Antenna

- 7 Year Battery Life

- 7 year warranty*

- 24+ hour operational life

- High brightness strobe light >1candela

- 66 channel GPS receiver

Wherever you are, at sea, on land, the **rescueME PLB1** provides the reassurance that global emergency services can be alerted by the press of a button.

The **rescueMe PLB1** can be operated with a single hand in even the most challenging situations. A simple spring loaded flap covers the activation button preventing inadvertent use.

rescueME PLB1 works with the only officially recognised worldwide dedicated search and rescue satellite network (operated by Cospas Sarsat). As this is funded by governments there are NO CHARGES to use this service.

When activated the **rescueME PLB1** transmits your position and your ID to a Rescue Coordination Center via satellite link. Rescue services nearest to you are promptly notified of your emergency and regularly advised of your current location to assist prompt rescue.

The dimensions are 178mm (H with antenna stowed) x 89mm dia (100mm over the lanyard tab)

Part No	Description
90631	EPIRB1 Emergency Position Indicating Radio Beacon

- 30%(typ) smaller

- 10 year battery life

- 48+ hours operational life

- 5 year warranty

- Fast accurate positioning with 66 channel GPS

- Retractable antenna

- Quick release bracket

- Secure lanyard

The **rescueME EPIRB1** provides peace of mind with an impressive 10 year battery life. The world's most compact EPIRB can always be on hand, as its small size allows it to be easily retained within its quick release bracket or placed in an emergency grab-bag or life raft.

A simple protective tab over the operating keys prevents inadvertent activation, yet allows for easy operation when required. The **rescueME EPIRB1** also features two high brightness strobes to maximise visibility in low light conditions.

The retractable antenna provides maximum protection and a reduced outline for stowage. When required the antenna is easily deployed with a gentle pull.

For longer offshore or ocean passages, the Ocean Signal **E100G EPIRB** offers an exceptional 96 hour operational life with the option of an automatic release housing (mandatory for vessels approved under SOLAS regulations).

*30% smaller, compared to other products approved to recognised standards (July 2014) † Subject to warranty statement.

The dimensions are 178mm (H with antenna stowed) x 89mm dia (100mm over the lanyard tab)

134mm
38mm
27mm

Part No	Description
90632	MOB1 Man Over Board Personal Locator

- Integrated DSC transmitter
- (digital selective calling)
- 30% (typ) smaller than competitors
- Automatic activation
- Simple lifejacket integration
- 7 year battery life
- 24+ hours operational life
- 5 year warranty
- Fast accurate positioning

Introducing the world's smallest AIS MOB device with integrated DSC – the **rescueME MOB1** from Ocean Signal. The **MOB1** is compatible with even the most compact inflatable life-jackets.

The **MOB1** is intended to be installed within the life-jacket and will activate automatically on inflation, sending the first alert within 15 seconds.

The integrated strobe light ensures maximum visibility in low light conditions.

The **MOB1** communicates with the vessel you have been separated from and other vessels in the vicinity (up to 5 miles range dependent on conditions). To alert rescue authorities, an alternative product the **rescueME PLB1** communicates directly via a dedicated search and rescue satellite network.

In an emergency **rescueME MOB1** provides 2 methods of rapidly communicating your position, accurate to a few metres, back to the vessel, plus providing visual indication via its built in strobe light.

The best chance of rapid rescue if you fall overboard comes from your own vessel. Your crew needs to be immediately aware of the incident and keep track of your position whilst recovery is carried out. Even in the most moderate of seas it is alarming how quickly a visual sighting of a man overboard can be lost.

Once activated your **MOB1** will transmit an alert to all AIS receivers and AIS enabled plotters in the vicinity. The integrated GPS ensures that your precise location is sent to your vessel and any others that may be assisting.

An additional feature of the MOB1, is its ability to activate the DSC alarm on your vessels VHF, alerting your crew to the situation.

The **rescueME EDF1** electronic distress flare offers users a safe and long-lasting solution to visual signalling in an emergency.

The unique lens design combined with the use of advanced LEDs and highly efficient circuit technology ensures a constant level of light output throughout the life of the user replaceable battery.
The light output is a beam of over 30° throughout the full 360° azimuth, providing in excess of 6 times more light coverage than other electronic flares. Light is also distributed throughout the hemisphere above the unit to ensure visibility from the air.

Unlike single use pyrotechnic flares the **rescueME EDF1** can be used repeatedly in any of its four modes, ensuring continued visibility is maintained over a longer period. The unit is both safe to store and operate while also eliminating any worries associated with disposal.

The compact size and rugged design means the **rescueME EDF1** is the perfect safety product for a grab bag, life raft or hiker's backpack.

Part No	Description
90633	EDF1 Electronic Distress Flare

ALPHA 600 Aerosol Extinguisher (0.6kg)

Compact aerosol factory sealed BC Dry Powder fire extinguishers.

Manufactured in the UK.

BSI certified to BS 6165:2002 and Kitemarked.

5 year warranty.

Easy low cost maintenance.

Suitable for B and C Fire classifications.

Safe for use on electrical equipment.

Aluminium lightweight body.

Controlled discharge.

Alpha – Supplied with durable plastic (Polypropylene) bracket.

Part No	Description
92056	Alpha 600 0.6Kg 13B

BETA Aerosol Extinguisher (0.95kg)

Compact aerosol factory sealed BC Dry Powder fire extinguishers.

Manufactured in the UK.

BSI certified to BS 6165:2002 and Kitemarked.

5 year warranty.

Easy low cost maintenance.

Suitable for B and C Fire classifications.

Safe for use on electrical equipment.

Aluminium lightweight body.

Controlled discharge.

Beta – Supplied with coated metal spring clip.

Part No	Description
92057	BETA BC DRY POWDER 0.95KG EXTINGUISHER

ABC Powder Extinguisher 'Ships Wheel' (1kg)

Refillable ABC Dry Powder Extinguishers suitable for use in the home, office, vehicles, boats and many commercial and industrial applications.
Certified by DNV to MED 'Ships Wheel' – meets the recommendations of the Royal Yachting Association and British Waterways Joint Boat Safety Scheme.

Accredited to EN3 by BSI and Kitemarked.

Certified by DNV to MED 'Ships Wheel'.

5 year warranty.

Stored pressure – Easy low-cost maintenance.

Suitable for A, B and C Fire classifications.

Safe for use on electrical equipment.

Controlled discharge.

Supplied with powder coated, steel wire bracket.

Part No	Description
92060	FBP1 FIRE EXTINGUISHER ABC 8A 55B 1KG

ABC Powder Extinguisher 'Ships Wheel' (2kg)

Refillable ABC Dry Powder Extinguishers suitable for use in the home, office, vehicles, boats and many commercial and industrial applications.
Certified by DNV to MED 'Ships Wheel' – meets the recommendations of the Royal Yachting Association and British Waterways Joint Boat Safety Scheme.

Accredited to EN3 by BSI and Kitemarked.

Certified by DNV to MED 'Ships Wheel'.

5 year warranty.

Stored pressure – Easy low-cost maintenance.

Suitable for A, B and C Fire classifications.

Safe for use on electrical equipment.

Controlled discharge.

Supplied with powder coated, steel wire bracket.

Part No	Description
92061	FBP2 FIRE EXTINGUISHER ABC 13A/70

Automatic Extinguisher – ABC Dry Powder (1kg)

ABC Dry Powder Automatic fire Suppression Units commonly used to protect machinery/plant and where there is a risk of fire such as in boat/vehicle engine compartments.

Compact and economical automatic extinguisher.

5 year warranty.

Stored pressure – Easy low-cost maintenance.

Suitable for A, B and C class fires.

Safe for use on electrical equipment.

Supplied with powder coated, steel wire bracket.

Part No	Description
92062	FBA-PI FIRE EXTINGUISHER ABC 13A/70B

Automatic Extinguisher – ABC Dry Powder (2kg)

ABC Dry Powder Automatic fire Suppression Units commonly used to protect machinery/plant and where there is a risk of fire such as in boat/vehicle engine compartments.

Compact and economical automatic extinguisher.

5 year warranty.

Stored pressure – Easy low-cost maintenance.

Suitable for A, B and C class fires.

Safe for use on electrical equipment.

Supplied with powder coated, steel wire bracket.

Part No	Description
92063	FBA-P2 FIRE EXTINGUISHER ABC 13A/70B

Automatic Extinguisher – Clean Agent Gas (1kg)

Ozone friendly Automatic fire Suppression Units commonly used to protect machinery/plant and where there is a risk of fire such as in boat/vehicle engine compartments.

Clean agent (Halon replacement).

Zero ozone depletion.

5 year warranty.

Suitable for B and C class fires.

Safe for use on electrical equipment .

Supplied with powder coated, steel wire bracket.

Part No	Description
92064	FBA-GI AUTO FIRE EXTINGUISHER BC

Automatic Extinguisher – Clean Agent Gas (1.5kg)

Ozone friendly Automatic fire Suppression Units commonly used to protect machinery/plant and where there is a risk of fire such as in boat/vehicle engine compartments.

Clean agent (Halon replacement).

Zero ozone depletion.

5 year warranty.

Suitable for B and C class fires.

Safe for use on electrical equipment .

Supplied with powder coated, steel wire bracket.

Part No	Description
92065	FBA-GI.5 AUTO FIRE EXTINGUISHER BC

Automatic Extinguisher – Clean Agent Gas (2kg)

Ozone friendly Automatic fire Suppression Units commonly used to protect machinery/plant and where there is a risk of fire such as in boat/vehicle engine compartments.

Clean agent (Halon replacement).

Zero ozone depletion.

5 year warranty.

Suitable for B and C class fires.

Safe for use on electrical equipment .

Supplied with powder coated, steel wire bracket.

Part No	Description
92066	FBA-G2 AUTO FIRE EXTINGUISHER BC

Fire Blanket (100 x 100cm)

A range of glass fibre fire blankets for domestic and light industrial use. Can also be used on fires involving personal clothing. Manufactured in the UK.
BSI certified to BS EN 1869:1997 and Kitemarked.

Supplied in a red hard plastic container for easy surface mounting

Part No
92055

Automatic Extinguisher – Clean Agent Gas (4kg or 6kg)

Ozone friendly Automatic fire Suppression Units commonly used to protect machinery/plant and where there is a risk of fire such as in boat/vehicle engine compartments.

Clean agent (Halon replacement).

Zero ozone depletion.

5 year warranty.

Suitable for B and C class fires.

Safe for use on electrical equipment .

Supplied with powder coated, steel wire bracket.

Part No	Description
96430	FBA-G4 4kg Auto Fire Extinguisher
96431	FBA-G6 6kg Auto Fire Extinguisher

Vetus Fire Port (FIREPORTB)

This fire port permits a fire extinguisher to be discharged into the engine space, or any other enclosed area. In the event of a fire, the extinguisher nozzle can be inserted through the port in complete safety, thus avoiding fuelling the fire by opening the compartment and minimising risk to the crew.
Recommended by CE and ABYC directives
Also suitable for outboard motors
Made of UV and seawater resistant synthetic material
Cut-out diameter: Ø 38 mm. Outside dimensions: Ø 76 mm.

Part No
58231

Vetus Gas & Carbon Monoxide Detector 12/24V

The gas detector model GD1000 offers a gas detection system for a range of combustible gases including propane, butane, methane and hydrogen. In addition it will also detect poisonous carbon monoxide.

Maximum relay contact ratings for extractor fan, gas solenoid valve and external alarm: 1A for each function.

Control panel dimensions : 85 x 85mm

Built in depth: 40mm

Sensor 35 x 26 x 62mm

Part No	Vetus	Description
55935	GD1000	12V/24V Detector + Sensor
55936	GSENSOR	Extra Sensor

Vetus Petrol & Carbon Monoxide Detector 12/24V

The gas detector PD1000 detects petrol vapour to prevent the risk of explosion in the engine room, as well as poisonous carbon monoxide (CO).

Maximum relay contact ratings for extractor fan, gas solenoid valve and external alarm: 1A for each function.

Control panel dimensions : 85 x 85mm

Built in depth: 40mm

Sensor 35 x 26 x 62mm

Part No	Vetus	Description
55937	PD1000	12V/24V Detector + Sensor
55938	PSENSOR	Extra Sensor

Safety & Security

Granit Padlock

ABUS
Security Tech Germany

Granit Padlock

ABUS-Plus disk cylinder - highest protection against manipulation. Body and shackle coated for optimum inner and outer corrosion protection. Shackle and body made from hardened steel alloy. The Cylinder can be re-keyed to match an existing key. Keyed Alike locks available to order with a 10% surcharge.

Part No	Width	Abus No	A	B	C	D	E
93500	63mm	37/55 S & S	27.5	26	85	11	63

Diskus Padlock
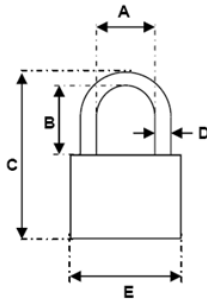
Diskus Padlock

Discus design resists usual attack methods.100% corrosion resistant - body and shackle made from stainless steel and internal components are made from corrosion resistant materials. Keyed Alike locks available to order with a 10% surcharge.

Part No	Width	Abus No	A	B	C	D	E
93507	60mm	24IB/60	17.5	13	60	8	60
93509	71mm	24IB/70	19.5	17	71	10	71

Combination Padlock
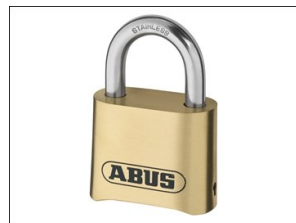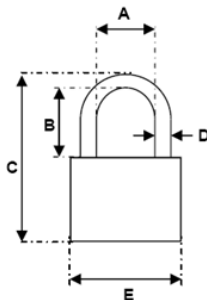
Combination Padlock

Combination design with 4 digit resettable code. Body made from forged solid brass, shackle from stainless steel and internal parts made from corrosion resistant materials. Precision locking mechanism with special protection against manipulation.

Part No	Width	Abus No	A	B	C	D	E
93510	50mm	180IB/50	25	25	75	8	50
93511	63mm	180IB/63	25	63	113	8	63

Aquasafe Padlock
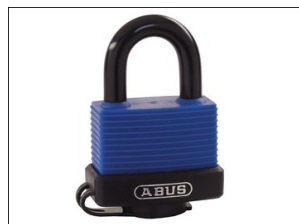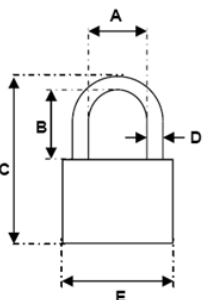
Aquasafe Padlocks

Solid brass body with hardened steel shackle (IB model has stainless shackle) and corrosion proof internals. Sealed lock body with cover seal to protect against   water / dirt ingress. Vinyl casing. Keyed Alike locks available to order with a 10% surcharge.

Part No	Width	Abus No	A	B	C	D	E
93671	28mm	70/45	20.5	24.5	73	8	28
93673	28mm	70IB/45	20.5	24.5	73	8	28

Submariner Padlock
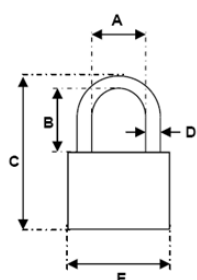
Submariner Padlock

Abus 83 Series Submariner weatherproof brass body, open shackled, heavy-duty padlock with a rust-free stainless steel shackle. Has a high impact sealed lock body with a keyway   protective cover designed to keep dirt out and offering maximum security and durability even in the harshest environment.

Part No	Width	Abus No	A	B	C	D	E
93580	56.5mm	83WPIB/53C	23.5	27.5	97.5	35.5	56.5

Brass Padlocks

ABUS
Security Tech Germany

Hardened Shackle Brass Padlocks

Solid brass body with hardened steel shackle. Corrosion proof internals. Precision pin tumbler cylinder. Keyed Alike locks available to order with a 10% surcharge. HB models have long shackles.

Part No	Padlock Width	Abus No	A	B	C	D	E
93531	20mm	65/20	9.5	11.5	34	3.5	20
93534	25mm	65/25	13.5	13.5	42	4	25
93537	30mm	65/30	16	17.5	50	5	30
93538	50mm	65/50 HB80C					
93543	35mm	65/35	20	19	55	5.5	35
93545	40mm	65/40	22	22.5	62	6.5	40
93550	40mm	65/40 HB40	22	40	77	6	40
93552	40mm	65/40 HB63	22	63	103	6	40
93554	45mm	65/45	25.5	24.5	68	7	45
93556	50mm	65/50	28	29	77	8	50
93558	50mm	65/50 HB80	28	80	129	8	50
93560	60mm	65/60	33	35	91	9.5	60
93562	40mm	65IB/40 SS Shackle	22	22.5	62	6.5	40

Brass Padlock Multi-packs

Part No	Description
93548	40mm Twin Pack 65/40
93563	40mm Twin Pack Stainless Shackle 65IB/40
93547	40mm Quad Pack Keyed Alike 65/40
93549	50mm Twin Pack 65/50

Extreme Weatherproof Padlock
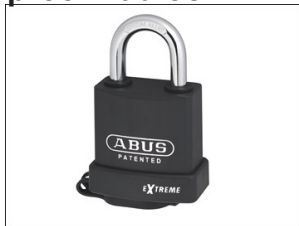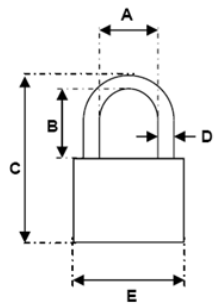
Extreme Weatherproof Padlocks

Abus 83WP Extreme weatherproof open & closed shackle. Heavy-duty fully re-keyable through hardened steel alloy padlock, with a ball bearing locking mechanism for extra security. Has a tough through hardened steel alloy shackle as standard with NanoProtect Chrome Plating.

Part No	Width	Abus No	A	B	C	D	E
93581	56.5mm	83WP/53C	23.5	27.5	97.5	35.5	56.5
93582	65mm	83WP/63C	25.8	33	109.5	34.5	65
93583	56.5mm	83WPCS/53C	19	25	97.5	34.5	56.5

Heavy Duty Hasp & Staple

Mirror polished stainless steel

Closed 33 x 87mm

Open Length 33 x 107mm

Part No	Description
96303	Heavy Duty SS Hasp & Staple

Swivel Hasp
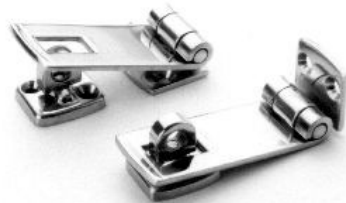
316 Grade Stainless Steel
90mm x 26mm
Part No   23133

Hasps & Staples
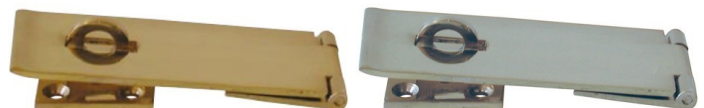
Part No		Description
Brass	Chrome	Length X Width
45000	45010	3" X 1" (76 X 25mm)

Safety & Security

ABUS
Security Tech Germany

Hasp & Staples

Diskus Hasp & Staple

High security hasp and staple especially recommended for use with Abus Diskus locks to lock gates, hangar doors, containers etc. Hasp and hinge pins are made from stainless steel and the staple is made from hardened steel. Available in two sizes.

Part No	Abus No	Length	Width	Staple Aperture
93659	140/120	140mm	56mm	12.5mm
93660	140/190	190mm	56mm	12.5mm

Basic Hasp & Staple

Corrosion protected steel construction with hidden screws. Suitable for padlocks with shackles up to 12mm.

Part No	Abus No	Length	Width	Staple Aperture
93668	200/115	116mm	47mm	13.5mm

Cobra Loop Cables

Cobra Loop Cables

Flexible steel cables with a plastic sheathing. Excellent for securing bicycles, scooters, general components and trailers.

Part No	Abus No	Diameter	Length	Weight
93571	1850/185	8mm	185cm	356g
93570	8/200	8mm	200cm	317g
93565	10/200	10mm	200cm	566g
93566	10/500	10mm	500cm	1249g
93564	10/1000	10mm	1000cm	2324g
93567	12/120	12mm	120cm	416g
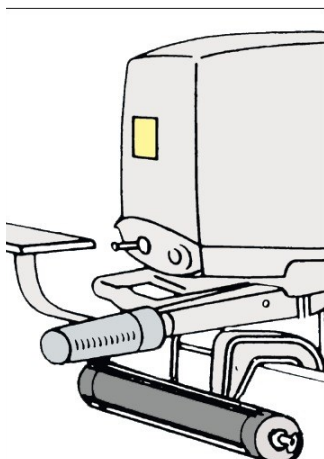
Secure Lock Antitheft Device

Locks the butterfly nut: 1) So the engine cannot plunge into the water; 2) prevents the outboard engine from being stolen, as the secure lock must be broken. Made of anodized aluminium pipe thickness 4 mm (very sturdy); brass and stainless steel lock with two keys. Tough sturdy look discourages thieves; compact model with stainless steel end-pieces and the inner pipe is made of anti-rattle foam .

Part No	Description
96315	Antitheft up to 25HP
96316	Antitheft over 25 HP and for all Mercury engines.

Outboard Locks

Allpa Outboard Clamp Lock

Adjustable lock mechanism allows fitment to most outboard motors. Body constructed from 316 stainless steel with a brass lock. Complete with floating key ring.

Dimensions: 303 X 40 X 40mm

Part No
91587

Outboard Motor / Outdrive Leg Bolt Locks

These locks fit over bolts preventing nut removal. Body made from 316 stainless steel with brass lock. Includes PVC protection cover.

Part No	To Fit Bolt Size	Diameter	Length
91589	M10	29mm	55mm
91588	M12	38mm	73mm

Contains:

Pair of oars

Red hand flares

Bailer and 2 sponges

Waterproof torch and whistle

Lifesaving signal cards

Floating knife

Drogue

Repair clamps

Rescue quoit and 30m line

Bellows hand pump

OCEAN SAFETY®

Ocean Safety Life Raft

The Ocean Standard life raft is a practical yet affordable life raft and is the latest addition in the life raft range offered by Ocean Safety. It was introduced to fulfil the requirement for a quality yet practical entry level life raft, which is ideal for coastal and short offshore recreational boating and non-coded craft.

Made with quality rubber

Insulated floor

Highly visible orange canopy

4 x 30 litre water pockets

Zip closure on entrance

Rain water dispenser system and collection system

Automatic light

ORC safety pack

Part No	Description
90625	Ocean Standard 4 Man 650 x 430 x 280mm
90626	Ocean Standard 6 Man 740 x 480 x 290mm

Thermal Protective Aid—MCA

Unique aluminised polythene suit designed with heat sealed seams for maximum protection.

MED Ship's Wheel approved

One size fits all

Protection to -30 degrees C

Part No	Description
90620	Thermal Protective Aid - MCA
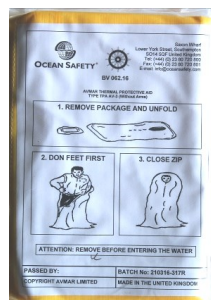
Kru XF: Automatic + Harness - Navy

A versatile and lightweight lifejacket that is ISO approved, AIS ready and features Wave Barrier technology, the Kru XF is ideal for coastal sailing & general watersports. Wave Barrier technology delivers sub 5 second super-fast turn speed. The wearer is placed on their back keeping airways raised above water and clear. The interlocking bladder blocks the flow of water into the wearers airways, massively reducing the risk of secondary drowning

Easy front donning

Rated 150N with actual buoyancy of 170N

Side adjustment for bespoke fit

Tailored collar for increased comfort

Single crotch strap eliminating ride-up

Harness and non-harness versions available

Stainless steel D-ring for safety harness (harness version only)

Durable outer cover

Approved service network

Part No
90618

Kru Sport ADV

The Ocean Safety Kru Sport ADV Inflatable PFD offers a sprayhood and wave barrier technology, as well as a quick-burst zip and a lifejacket light. It is AIS ready. Sprayhood. Lifejacket light. Scoop back neck design for increased comfort. Side adjustable waist belt.

Crotch strap for additional security

Wave barrier technology helps keep airways clear

170N buoyancy

Wave barrier tech delivers sub-5-second turn speed

The wearer is placed on their back, keeping airways raised above the water

Interlocking bladder blocks the flow of water into the wearer's airways, reducing the risk of downing

Part No
90621

The AQ40L is a compact flashing lifejacket light, automatically water activated by its sensor lead or manually. Its unique size and shape, makes the AQ40L ideal for a variety of life jackets.

Ultra bright powerful white flashing LED dome light
Manual and automatic water activation by sensor lead
Functional and simple design
Fixing clip designed for easy attachment
Maintenance free five year battery life
Tamper-proof

Part No	Description
90619	Aquaspec AQ40LM Lifejacket Light

United Moulders Junior Manual Re-Arm Pack- 24G

The United Moulders (UM) lifejacket inflator uses a screw on cartridge and activates when it comes into contact with water. The cartridge mechanism has a compressed high powered spring which is held by a paper element. When the paper element dissolves it releases the spring which allows the firing mechanism to puncture the CO_2 cylinder, the CO_2 then travels through the manifold and inflates the lifejacket. The Automatic system is backed up by a manual override, which allows the user to pull the toggle and inflate the lifejacket.

Part No	Description
90609	24G Manual Junior Re-Arming Pack

United Moulders Gas Cylinder Manual Re-Arm Pack- 33G

The manual re-arming kits are for both United Moulders and Halkey Roberts activated lifejackets.

Part No	Description
90611	33G Manual Re-Arming Pack

United Moulders (UM) Automatic Kit UM 33G Automatic Re-Arm Kit

The United Moulders (UM) lifejacket inflator uses a screw on cartridge and activates when it comes into contact with water. The cartridge mechanism has a compressed high powered spring which is held by a paper element. When the paper element dissolves it releases the spring which allows the firing mechanism to puncture the CO_2 cylinder, the CO_2 then travels through the manifold and inflates the lifejacket. The Automatic system is backed up by a manual override, which allows the user to pull the toggle and inflate the lifejacket.

Part No	Description
90610	33G Auto Re-Arm Pack UM
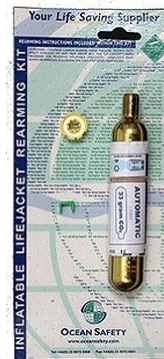
Halkey Roberts (HR) Automatic Kit: HR 33G Automatic Re-Arm Kit

The Halkey Roberts Automatic system activates when a salt water bobbin is in contact with water. The bobbin dissolves and allows the firing mechanism to puncture the CO_2 cylinder, the CO_2 then travels through the manifold and inflates the lifejacket. The Automatic system is backed up by a manual override pull cord, which allows the user to pull the toggle and inflate the lifejacket.

Part No	Description
90612	Halkey Roberts 33G Auto Re-Arming Pack

United Moulders Gas Cylinder Only

Replacement gas cylinders only. Please note no kit parts are included.

Part No	Description
90615	24G Cylinder
90616	33G Cylinder
90617	60G Cylinder

United Moulders MK5 Auto Cartridge (Black)

Part No	Description
90608	UM Mk5 automatic cartridge

Halkey Roberts Retaining Clip

Part No	Description
90613	Green Halkey Roberts retaining clip

Halkey Roberts Super Bobbin

Part No	Description
90614	Yellow Halkey Roberts Super Bobbin

Commander

Luxurious chair with excellent support. The front part can be folded up for steering in a standing or leaning position. Available colours: • White (CHCOMW) • Dark blue (CHCOMB) • Without upholstery (CHCOMU). Supplied without pedestal. Fits pedestals with slide only. Use seat cover CCDS or CCSB to keep the seat clean and protected against UV.

SPECIAL ORDER
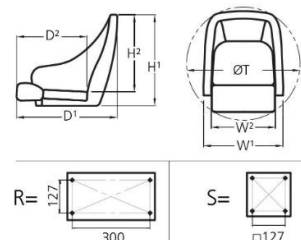
Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58400	Commander Seat White	CHCOMW	684	485	715	610	610	415	720	R	15
58401	Commander Seat Dark Blue	CHCOMB	684	485	715	610	610	415	720	R	15
58402	Commander Seat No Upholstery	CHCOMU	684	485	715	610	610	415	720	R	15

Queen

Comfortable FLIP-UP boat seat. The front part can be folded up for steering in a standing or leaning position. Available colours: • White (CHFUS) • Dark blue (CHFUSBL) • Without upholstery (CHFUSQU). Supplied without pedestal. Fits pedestals with slide only. Use seat cover CCDS or CCSB to keep the seat clean and protected against UV.

SPECIAL ORDER

Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58403	Queen Seat White	CHFUS	715	490	600	510	560	460	800	R	12
58404	Queen Seat Dark Blue	CHFUSBL	715	490	600	510	560	460	800	R	12
58405	Queen Seat No Upholstery	CHFUSQU	715	490	600	510	560	460	800	R	12

King

Comfortable FLIP-UP boat seat. The front part can be folded up for steering in a standing or leaning position. With comfortable head rest. Available colours: • White with dark blue seams (CHFUSW) • Dark blue with white seams (CHFUSB) • Cream with cream seams (CHFUSC) • Without upholstery (CHFUSKU). Supplied without pedestal. Fits pedestals with slide only. Use seat cover CCDS or CCSB to keep the seat clean and protected against UV.

SPECIAL ORDER

Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58406	King Seat White	CHFUSW	720	490	620	500	570	450	800	R	13
58407	King Seat Dark Blue	CHFUSB	720	490	620	500	570	450	800	R	13
58408	King Seat No Upholstery	CHFUSKU	720	490	620	500	570	450	800	R	13

Master

High quality helm seat with armrests. Stainless steel frame (AISI 304). Available colours: • White (CHFASW) • Dark blue (CHFASB) • Cream (CHFASC) • Without upholstery (CHFASU). Supplied without pedestal. Fits pedestals with slide only. Use seat cover CCMB to keep the seat clean and protected against UV.

SPECIAL ORDER
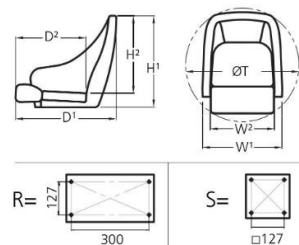
Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58409	Master Seat Dark Blue	CHFASB	690	500	630	510	595	510	760	R	15
58410	Master Seat White	CHFASW	690	500	630	510	595	510	760	R	15
58411	Master Seat Cream	CHFASC	690	500	630	510	595	510	760	R	15
58412	Master Seat No Upholstery	CHFASU	690	500	630	510	595	510	760	R	15

Sailor

Helm seat with armrests. Anodised aluminium frame. Available colours: • White (CHSAILW) • Dark blue (CHSAILB). Supplied without pedestal. Fits pedestals with slide only. Use seat cover CCDS or CCSB to keep the seat clean and protected against UV.

SPECIAL ORDER

Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58413	Sailor Seat White	CHSAILW	600	440	620	540	585	430	700	R	8.2
58414	Sailor Seat Dark Blue	CHSAILB	600	440	620	540	585	430	700	R	8.2

Skipper

Classic helm chair with comfortable arm rests. Anodised aluminium frame. Available colours: • White (CHCASW) • Dark blue (CHCASB). Supplied without pedestal. Fits all pedestals. Use seat cover CCDS or CCSB to keep the seat clean and protected against UV.

SPECIAL ORDER

Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58415	Skipper Seat White	CHCASW	590	420	535	415	595	430	680	R/S	9.5
58416	Skipper Seat Dark Blue	CHCASB	590	420	535	415	595	430	680	R/S	9.5

Lieutenant

Comfortable seat with a foldable front part for steering in standing or leaning positions. Available colours: • White (CHLIEUTW) • Dark blue (CHLIEUTB). Supplied without pedestal. Fits pedestals with slide only. Use seat cover CCDS or CCSB to keep the seat clean and protected against UV.

SPECIAL ORDER
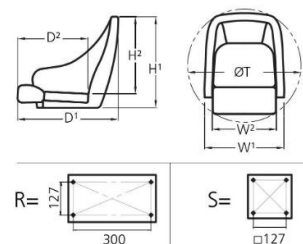
Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58417	Lieutenant Seat Dark Blue	CHLIEUTB	710	510	540	410	585	430	710	R	8
58418	Lieutenant Seat White	CHLIEUTW	710	510	540	410	585	430	710	R	8

Pilot

Sporty seat with good lateral support. The front part can be folded up for steering in standing or leaning positions. Available colours: • Black (CHSPORTTB) • White (CHSPORTW) • White with black (CHSPORTWB) • Without upholstery (CHSPORTU). Supplied without pedestal. Fits pedestals with slide only. Use seat cover CCDS or CCSB to keep the seat clean and protected against UV.

SPECIAL ORDER

Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58419	Pilot Seat White	CHSPORTW	670	475	600	510	500	403	720	R	8.7
58420	Pilot Seat Black & White	CHSPORTWB	670	475	600	510	500	403	720	R	8.7
58421	Pilot Seat No Upholstery	CHSPORTU	670	475	600	510	500	403	720	R	8.7

Driver

Sporty seat with good lateral support. Modern design. Available colours: • White (CHDRIVEW) • White with black (CHDRIVEWB). Supplied without pedestal. Fits pedestals with slide only. Use seat cover CCDS or CCSB to keep the seat clean and protected against UV.

SPECIAL ORDER

Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58422	Driver Seat White	CHDRIVEW	640	450	600	510	520	405	670	R	7
58423	Driver Seat Black With White	CHDRIVEB	640	450	600	510	520	405	670	R	7

Admiral
A sporty and comfortable seat with lateral supports. The front part can be folded up for steering in standing or leaning positions. Available colours: • White (CHADMW) • Dark blue (CHADMB). Supplied without pedestal. Fits pedestals with slide only. Use seat cover CCDS or CCSB to keep the seat clean and protected against UV.

SPECIAL ORDER
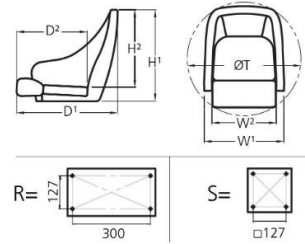
Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58424	Admiral Seat White	CHADMW	730	510	620	550	580	430	730	R	8.5
58425	Admiral Seat Dark Blue	CHADMB	730	510	620	550	580	430	730	R	8.5

Major
A comfortable seat with a foldable front part for steering in standing or leaning positions. Available colours: White (CHMAJORW) • Dark blue (CHMAJORB). Supplied without pedestal. Fits pedestals with slide only. Use seat cover CCDS or CCSB to keep the seat clean and protected against UV.

SPECIAL ORDER

Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58426	Major Seat White	CHMAJORW	730	510	660	555	585	400	730	R	9.5
58427	Major Seat Dark Blue	CHMAJORB	730	510	660	555	585	400	730	R	9.5

Crew
Deluxe light weight seat with folding back rest. With or without cushions. Available colours: • Light grey (without upholstery) (CHCS) • White (CHCW) • White with dark blue insert (CHCBWB) • Grey (CHCG). Supplied without pedestal. Only fits pedestals without slide. Use seat cover CCDS or CCSB to keep the seat clean and protected against UV.

SPECIAL ORDER
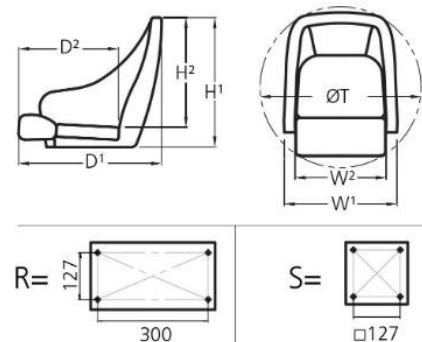
Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58429	Crew Ergonomic Seat Light Grey (No Upholstery)	CHCS	482	435	435	405	470	470	630	S	3
58430	Crew Folding Seat White	CHCW	482	435	435	405	470	470	630	S	3
58431	Crew Folding Seat White & Dark Blue	CHCBWB	482	435	435	405	470	470	630	S	3
58432	Crew Folding Seat Grey	CHCG	482	435	435	405	470	470	630	S	3
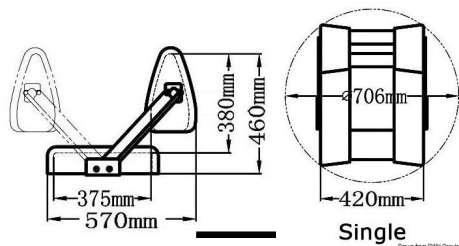
Reverso White Single Seat + Rotating Backrest RAL 9010

It can be used both forwards and backwards.

Part No	Description	Osculati
96418	Reverso White Single Seat	48.410.04

STOCK ITEM

Fisherman

Classic seat with folding back rest. Anodised aluminium hinges. Available colours: • White with dark blue seams (CHFSWW) • Dark blue with white seams (CHFSBW). Supplied without pedestal. Fits all pedestals. Use seat cover CCDS or CCSB to keep the seat clean and protected against UV.

SPECIAL ORDER

Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58433	Fisherman Seat White With Dark Blue Seams	CHFSWW	480	350	450	360	400	400	575	R/S	3.3
58434	Fisherman Seat Dark Blue With White Seams	CHFSBW	480	350	450	360	400	400	575	R/S	3.3

First Mate

Comfortable deluxe seat with folding back rest. Anodised aluminium hinges. Available colours: • White with blue seams (CHFSW) • Dark blue with white seams (CHFSB) • Light grey with dark grey seams (CHFSL) • Grey with light grey seams (CHFSD). Supplied without pedestal. Fits all pedestals. Use seat cover CCDS or CCSB to keep the seat clean and protected against UV.

STOCK ITEM
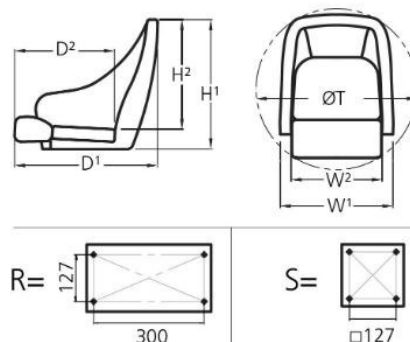
Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58435	First Mate Seat White With Blue Seams	CHFSW	480	350	450	360	400	400	575	R/S	3.3
58436	First Mate Seat Dark Blue With White Seams	CHFSB	480	350	450	360	400	400	575	R/S	3.3
58437	First Mate Seat Light Grey With Dark Grey Seams	CHFSL	480	350	450	360	400	400	575	R/S	3.3
58438	First Mate Seat Grey With Light Grey Seams	CHFSD	480	350	450	360	400	400	575	R/S	3.3

First Class

Comfortable deluxe double seat with folding back rest. Anodised aluminium hinges. Available colours: • White with dark blue seams (DCHFSW) • Dark blue with white seams (DCHFSB). Supplied without pedestals. Fits on two pedestals.

SPECIAL ORDER

Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58439	First Class Bench White With Dark Blue Seams	DCHFSW	480	350	450	360	900	900	-	2 x R	13
58440	First Class Bench Dark Blue With White Seams	DCHFSB	480	350	450	360	900	900	-	2 x R	13

Ferry

Seat with moveable double sided backrest. Anodised-aluminium hinges. Available colours: • White with dark blue seams (CHTBSW) • Dark blue with white seams (CHTBSB). Supplied without pedestal. Fits all pedestals. Use seat cover CCDS or CCSB to keep the seat clean and protected against UV.

SPECIAL ORDER

Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58441	Ferry Seat White With Dark Blue Seams	CHTBSW	570	375	460	380	420	420	706	R/S	6
58442	Ferry Seat Dark Blue With White Seams	CHTBSB	570	375	460	380	420	420	706	R/S	6

Ferry Bench

Double seat with moveable double sided backrest. Anodised aluminium hinges. Available colours:
• White with dark blue seams(DCHTBSW) • Dark blue with white seams (DCHTBSB).
Supplied without pedestals. Fits on two pedestals (with or without slide).

SPECIAL ORDER

Part No	Description	Vetus	D1	D2	H1	H2	W1	W2	ØT	Hole Pattern	Weight (kg)
58443	Ferry Bench White With Dark Blue Seams	DCHTBSW	570	375	460	380	900	900	-	2 X R 2 X S	15
58444	Ferry Bench Dark Blue With White Seams	DCHTBSB	570	375	460	380	900	900	-	2 X R 2 X S	15

Seats

Seat cover - weather proof

To keep the seat dry and clean and protected against UV. Made of nylon with PU coating. A drawstring is included. Types CCDS and CCSB fit all single seats except the 'Master' seat.

Available colours:

• Dark blue

• Silver

SPECIAL ORDER

Part No	Description	Vetus	D	H	W
58445	Single Seat Cover Silver	CCDS	500	830	640
58446	Single Seat Cover Dark Blue	CCSB	500	830	640
58447	Master Seat Cover Dark Blue	CCMB	580	700	580

A sample swatch of materials is available upon request.

Seat Material.

The marine grade skai imitation leather is maintenance free, and water and UV resistant. Available in rolls of 1.37 metre width and 5 metres long.

SPECIAL ORDER

Part No	Description	Vetus
58448	White 1.37m x 5m	CHSKAIW
58449	Dark Blue 1.37m x 5m	CHSKAIB
58450	Cream 1.37m x 5m	CHSKAIC

Seat pedestals

All pedestals are made of high grade aluminum and have a 360º rotatable swivel on top. Gas adjustable pedestals are operated with a handle. Manually adjustable pedestals have both a lockpin with a locking position every 25 mm and a clamping knob for complete security. The sliding mechanism can be moved through 135 mm in total and locked in one of 7 positions.

Gas adjustable pedestals with slide

For optimum enjoyment of your seat. Gas spring height adjustable aluminum seat pedestal with slide and 360º swivel. Polished base.

Part No	Description	Vetus	Height (H)	Hole pattern	Post Ø (D1 / D2)	Base Ø (D3)	Weight (kg)
58460	Gas Pedestal 30 - 40CM	PCG3040	300 - 400	R / S	73 / 87	228	6
58461	Gas Pedestal 35 - 47CM	PCG3547	350 - 470	R / S	73 / 87	305	7
58462	Gas Pedestal 43 - 60.5CM	PCG4363	435 - 605	R / S	73 / 87	305	7,8

SPECIAL ORDER
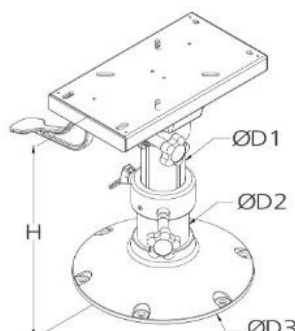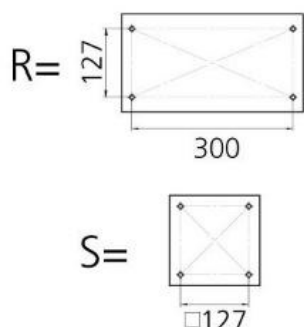
Manually adjustable pedestals with slide

Manually height adjustable aluminum seat pedestal with slide and 360º swivel. Polished base.

SPECIAL ORDER

Part No	Description	Vetus	Height (H)	Hole pattern	Post Ø (D1 / D2)	Base Ø (D3)	Weight (kg)
58463	Manual Pedestal 30 - 40CM	PCMS3040	300 - 400	R / S	73 / 87	228	6
58464	Manual Pedestal 35 - 47CM	PCMS3547	350 - 470	R / S	73 / 87	305	7
58465	Manual Pedestal 43.5 - 60.5CM	PCMS4363	435 - 635	R / S	73 / 87	305	7,8

Manually adjustable pedestals without slide

Manually height adjustable aluminium seat pedestal with 360º swivel only. Anodised base.

SPECIAL ORDER

Part No	Description	Vetus	Height (H)	Hole pattern	Post Ø (D1 / D2)	Base Ø (D3)	Weight (kg)
58466	Manual Pedestal 30 - 40CM	PCM3040	300 - 400	S	60 / 73	228	4
58467	Manual Pedestal 35 - 47CM	PCM3547	350 - 470	S	60 / 73	228	5
58468	Manual Pedestal 43.5 - 63.5CM	PCM4363	435 - 635	S	60 / 73	228	5,8

Fixed height pedestals

With 360º swivel, available with orwithout slide. Anodised base.

SPECIAL ORDER

Part No	Description	Vetus	Height (H)	Hole pattern	Post Ø (D1 / D2)	Base Ø (D3)	Weight (kg)
58469	Fixed Pedestal & Slide 33CM	PCFS33	330	R/S	73	228	4,2
58470	Fixed Pedestal & Swivel 33CM	PCF33	330	S	73	228	
58471	Fixed Pedestal & Slide 45CM	PCFS45	457	R/S	73	228	4,8
58472	Fixed Pedestal & Swivel 45CM	PCF45	457	S	73	228	

Footrest

Rotatable and foldable footrest for pedestals. Made from a marine grade aluminium with stainless steel fastenings. For extra grip the aluminium base plate has a diamond profile.

SPECIAL ORDER

Part No	Description	Vetus	Post Ø(D2)	Suits pedestal type	Weight (kg)
58476	Footrest For Tube 73MM	FTREST73	72	PCM, PCF	3.5
58477	Footrest For Tube 87MM	FTREST87	87	PCMS, PCG	3.5

Bell shape pedestal

A seat pedestal with a friction lock 360° swivel. The height is manually adjustable. Made from a marine grade aluminium. The large bell shaped base is grey powder coated.

SPECIAL ORDER

Part No	Description	Vetus	Height (H)	Hole pattern	Post Ø (D1)	Base Ø (D3)	Weight (kg)
58478	Manual Bell Shaped Pedestal	PCBELL	330-430	S	60	254	2,3

Base with swivel

Low profile anodised base with 360º swivel.

Part No	Description	Vetus	Height (H)	Hole pattern	Base Ø (D3)	Weight (kg)
58479	Seat Pedestal With Swivel	PC13	134	S	228	2

SPECIAL ORDER

Base with swivel and slide

Low profile anodised base with 360º swivel and slide.

Part No	Description	Vetus	Height (H)	Hole pattern	Base Ø (D3)	Weight (kg)
58480	Seat Pedestal With Slide	PCS15	133	R/S	228	4

SPECIAL ORDER

Swivel with slide

Aluminium 360º swivel with slide with 7 locking positions.

For direct mounting.

Part No	Description	Vetus	Height (H)	Hole pattern	Base Ø (D3)	Weight (kg)
58481	Swivel Seat Base	PCBS	70	R/S	S	2,5
58482	Swivel Seat Base 360 Rotatable	PCBSR	70	R/S	S	2,5

SPECIAL ORDER

Rotatable base with locking position

Aluminium 360º rotatable base with 7 locking positions.
For direct mounting.

Part No	Description	Vetus	Height (H)	Hole pattern	Base Ø (D3)	Weight (kg)
58483	Swivel Seat Base	PCBL	51	S	S	2

SPECIAL ORDER

Removable swivel base

Rotatable and removable plastic 360º swivel
base for direct mounting.

Part No	Description	Vetus	Height (H)	Hole pattern	Base Ø (D3)	Weight (kg)
58484	Seat Base	PCB	55	S	S	0,7

SPECIAL ORDER

Rotatable stainless steel base

360º Rotatable base for direct mounting. Made from
stainless steel AISI 304.

Part No	Description	Vetus	Height (H)	Hole pattern	Base Ø (D3)	Weight (kg)
58485	Rotatable Stainless Steel Base	PCBR	23	S	S	1

SPECIAL ORDER

Slide

Seat slide for direct mounting. The sliding mechanism can be
moved through 135 mm in total and locked in one of 7 positions.

Part No	Description	Vetus	Height (H)	Hole pattern	Base Ø (D3)	Weight (kg)
58486	Seat Slide	SCU	70	R + S	S	2

SPECIAL ORDER

Removable pedestal (fixed height)

With 360º swivel or slide and recessed anodised base. Base and
pedestal fit most commonly used similar systems in the market.

SPECIAL ORDER

Part No	Description	Vetus	Swivel (hole pattern)	Height (H)	Post Ø (D2)	Base Ø (D3)	Recessed Depth	Hole Ø
58487	Removable Fixed Pedestal Swivel	PCR38	Swivel (S)	380	60	228	70	90
58488	Removable Fixed Pedestal Slide	PCRS38	Slide (R)	380	60	228	70	90

Removable pedestal

With 360º swivel and recessed anodised base. Base and pedestal fit most commonly used similar systems in the market.

SPECIAL ORDER

Part No	Description	Vetus	Swivel (hole pattern)	Height (H)	Post Ø (D2)	Base Ø (D3)	Recessed Depth	Hole Ø
58489	Removable Fixed Pedestal 330mm	PCRQ33	Quick Position (S)	330	60	228	70	90
58490	Removable Fixed Pedestal 380mm	PCRQ38	Quick Position (S)	380	60	228	70	90

PCRBASE

This (spare) plug-in pedestal base can be used as an extra mounting position or as replacement for existing pedestal bases. The base is made of a marine grade anodized aluminium.

SPECIAL ORDER

Part No	Description	Vetus
58491	PCRBASE (Spare Base)	PCRBASE

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MIRKA

Mirka Polarshine® 45

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www.mirka.co.uk

DEDICATED TO THE FINISH.

Mirka Dust Extractor 1230 LPC GB 230V	Mirka Deros 5650CV 230V Orbital Sander	Mirka Delta 663CV 230V Triangular Sander
Part No	Part No	Part No
64881	64883	64889

Hose 27mm X 4M + Connector	Dust Bag Fleece For DE1230 Spare Bag for Mirka dust extractor.	Mirka Spare Mains Lead 230V	Dust Bag Fleece For DE1025 L (old model) Spare Bag for Mirka dust extractor.
Part No	Part No	Part No	Part No
64882	64878	64877	64888

Sanding Discs   *All of our discs are sold individually.*
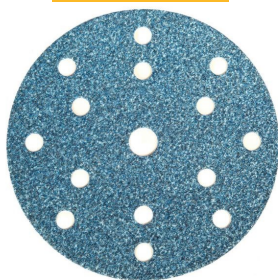
Basecut 150mm Sanding Discs

Basecut is the economical, high efficiency choice for sanding with paper. There are several productivity and efficiency features, including a high initial, aggressive cut and a long working lifespan.

Part No	Grade	Box Size
64840	P40	50
64842	P60	50
64844	P80	100
64846	P120	100
64848	P150	100
64854	P240	100
64855	P320	100
64856	P400	100

Abranet Ace HD 150mm Discs

Abranet Ace HD is durable and tough with ceramic grains. The strong net structure resists high wear and tear and the product is ideal for heavy-duty applications. The improved woven mesh backing increases the lifetime of the abrasive, and makes the sanding process faster. Abranet Ace HD for dust-free sanding has coarse grits P40 and P60.

Part No	Grade	Box Size
64800	P40	25
64802	P60	25

Autonet 150mm Discs

Mirka Autonet Disc 150mm are a revolutionary new-age surface finishing solution which has been specially developed for the unique demands of the automotive refinishing industry. The patented construction of Mirka Autonet consists of a dense network of polyamide fabric threads onto which the abrasive grit is bonded. 50 per box.

Part No	Grade	Box Size
64832	P80	50
64833	P120	50
64834	P180	50
64835	P240	50
64836	P320	50
64837	P400	50

Abralon 150mm Foam Sanding Discs

Abralon is a unique, multifunctional sanding material developed for tackling both smooth and profiled surfaces. The patented, flexible construction allows it to create a smooth sanding pattern on angled surfaces and edges while minimizing the risk of pressure marks. The flexible weave allows water and air to pass freely, resulting in a cleaner sanding process and a long lasting abrasive. Recommended for fine sanding of profiled surfaces and for finishing prior to polishing. Recommended to use wet.

20 Per Box

Part No	Description	Box size
64798	P600	20
64799	P1000	20
64838	P2000	20
64839	P3000	20

Mirka Autonet 125mm Discs

Mirka Autonet is specially developed for the automotive refinishing industry. Autonet is a new-age surface finishing solution offering speed; efficiency and an amazing dust extraction ability. The patented construction eliminates clogging and pilling and ensures a long lifespan, while other highlights include excellent initial aggressivity, reduced edge wear in finer grits and a versatile range to suit any application.

Part No	Grade	Box Size
64900	P40	50
64902	P60	50
64904	P80	50
64908	P120	50
64912	P180	100
64914	P240	100
64916	P320	100

All of our discs are sold individually.

MIRKA

Abranet 152mm Triangular Discs

The multifunctional and classic Abranet is especially developed for sanding putty, primers, lacquers, composite materials and a wide range of other materials for industrial use. Abranet combines high performance and a long lifespan, making it a cost-effective solution. Designed for dry sanding, by hand or with a machine, the true dust-free sanding characteristics result in a cleaner work environment, as well as a better surface finish.

Part No	Grade	Box Size
64740	P60	10
64741	P80	10
64742	P120	10
64743	P180	10
64744	P240	10
64745	P320	10

3M

3M Scotch Brite

50mm Roloc Surface Conditioning Discs

Sold Each

Part No	Grade & Size
63948	Very Fine Blue
63949	Super Fine Red
63950	Roloc Holder

3M

150mm Hookit Soft Interface Pad

A soft interface pad made from a very flexible foam which attaches to a standard Hookit disc pad to provide excellent full disc contact, even on curved surfaces.

Part No
63597

Backing Pad Net 100x152x152mm Grip 34H Medium

Backing pad suitable for the Mirka® DEOS Delta sander.

Part No
64751

Backing Pad Net 150mm 5/16" Grip 48H Medium

A 150 mm (6") backing pad with a central air inlet. The air channels leading to the centre of the backing pad has an increased air flow and therefore the dust is removed efficiently.

Part No
64884

3M

150mm Hookit Hand Pad

A comfortable pad with an elastic strap that holds the pad onto the hand for scuff sanding flat or contoured surfaces. The Hookit pad face provides easy attachment and removal of Hookit discs.

Part No
63598

Pad Saver 100x152x152mm 32H

These cost effective pad savers, placed between the backing pad and the sanding disc, should be changed regularly.

Part No
64750

Backing Pad Saver 150mm

These cost effective pad savers, placed between the backing pad and the sanding disc, should be changed regularly.
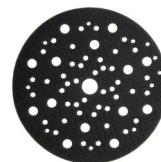
Part No
64885

Backing Pad Saver 125mm

These cost effective pad savers, placed between the backing pad and the sanding disc, should be changed regularly.

Part No
64887

Hookit Backing Pads

Specially made for use with Hookit discs. These pads securely hold the disc yet allow for easy change and re-attachment of discs. All pads are lightweight, shock resistant and well balanced. Max speed for ø150mm pads is up to 7000 rpm.

Part No	Size	Type
63577	150mm	5/16 Standard 15 Hole
63578	150mm	5/16 Soft 15 Hole
63579	150mm	M8, Standard 15 hole
63580	150mm	M8, Soft 15 hole

Hand Blocks

These blocks are designed for use with Hookit abrasive sheets / rolls.

Part No	Type	Dimensions
63587	Hard	70 x 127mm
63588	Soft	70 x 127mm
63589	Hard	70 x 197mm
63590	Hard	70 x 390mm

Sanding Block for 150mm Grip Discs

An ergonomic sanding block with grip which is sized to fit the hand. You can use the 150mm orbital sanding for hand sanding with this block.

Part No
64886

Part No	Description
63947	3M Sanding Block 60mm x 120mm

3M Twist-Lok Pad Holder

Specially designed for use with 3M hand pads to make clean up jobs faster, easier and safer. Distributes pressure evenly over pad surface for efficient cleaning action and improved pad life. Length: 120mm, Width: 89mm

Part No
64064

Anza Cork Sanding Block

Useful tool for sanding most surfaces.

70 X 120mm

Part No
62180

Hookit Facing Material

Allows conversion of self-made fairing boards to the Hookit attachment system to utilize the high performance Hookit rolls.

Part No	Width X Length
63255	115mm X 3.6m

Rigid Fairing Board

Flexible Fairing Board

3M Dry Coat System

Use to detect surface imperfections such as pinholes in body filler and deep scratches in primer. Requires no masking. Use for wet and dry sanding. Ideal to highlight body lines

Part No	Description
63566	3M Dry Coat Sponge
63567	3M Dry Coat 50grm Cartridge

Tack Cloths

Cloths for wiping down surfaces prior to painting to ensure a smooth finish. They are slightly tacky and will pick up and hold dust, dirt and sanding residue. Sold singly or in packs of 10.

Part No
60297

Fairing Boards

3M Marine Fairing Boards are designed for fairing, shaping, sanding and finishing boats, plugs and moulds. The rigid board can be used for large flat areas such as free board and deck areas. The flexible board is for concave and convex curved areas such as hulls. Both boards are designed for use with Hookit abrasive sheets / rolls.

Dimensions: 115mm X 750mm

Part No	Item
63257	Rigid Fairing Board
63256	Flexible Fairing Board

3M 115mm Red Roll

High performance abrasive sheet supplied in convenient rolls to be cut and used by hand or with self-made boards up to 3 metres long.
Available in 50m reels or cut by the metre.

Part No	Grade
63206	P40
63205	P60
63204	P80
63203	P100
63202	P120
63201	P150
63200	P180

Rhynolite Red Roll

High performance, non cracking aluminium oxide abrasive coated on a heavyweight E paper. This allows for fast cutting capabilities and longer life.

Part No	Grade
64720	P40
64722	P60
64724	P80
64726	P100
64728	P120
64730	P150
64732	P180
64734	P240

Mirka Q.SILVER 115mm x 25M Fairing Board Roll

With a backing consisting of a flexible and strong impregnated latex paper, Q-Silver features optimal aggressivity, resulting in fast and efficient stock removal. The high heat endurance of this fully resin bonded abrasive makes it ideal for tough tasks, such as 'down-to-metal' sanding operations.

Part No	Grade
64890	P80
64891	P120
64892	P180
64894	P240
64896	P320

3M Wet or Dry Paper

Premium quality silicon carbide paper for wet or dry use with excellent cutting properties and long life. Available by the sheet or in packs of 50.
230 x 280mm

Part No	Grade	Part No	Grade
63300	P80	63310	P400
63301	P100	63311	P500
63302	P120	63312	P600
63303	P150	63313	P800
63304	P180	63314	P1000
63305	P220	63315	P1200
63306	P240	Microfine	
63307	P280	1/2 Sheet	
63308	P320	63316	P1500
63309	P360	63317	P2000
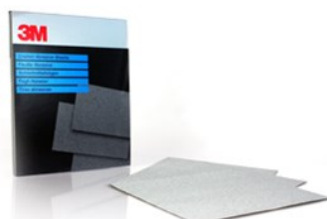
3M Fre-Cut Sheets

Clog-resistant, robust abrasive sheets ideal for dry sanding paints, fairing compounds and primers. Available by the sheet or in packs of 50.

230 x 280mm

Part No	Grade	Part No	Grade
63281	P80	63275	P240
63280	P100	63274	P280
63279	P120	63273	P320
63278	P150	63272	P400
63277	P180	63271	P500
63276	P220		

Prep Abrasive Sanding Blocks

Foam core coated with two grades of abrasive. Suitable for use on wood, metal and plastic.

Part No	Description
63535	Medium-Fine Sanding Block
63536	Medium-Coarse Sanding Block

3M

Hi - Flex

Softback

3M Sanding Sponges

Sanding sponges suitable for sanding edges or contours of wooden surfaces. Hi-Flex or Soft-back types can be used for sanding shaped wooden surfaces where a very high flexibility is required. Hi-Flex sponges are double-sided and the soft-back are single sided with a foam back.

Grade	Part No	
	Hi-Flex	Soft-Back
Medium (P120 - P150)	63539	63530
Fine (P220 - P240)	63538	63531
Superfine (P400 - P500)	-	63532
Ultrafine (P600 - P800)	-	63534
Microfine (P1000 - P1200)	-	63533

Delicate

General Purpose

Heavy Duty

Pack of 3

3M

3M Scotch-Brite™ Hand Pads

Three grades of tough Scotch-Brite™ pads. The delicate pads are suitable for light scouring including rust removal, the general purpose can replace wire wool and the heavy duty pads can be used instead of scrapers, steel wool and metal sponges. The extra thick pads are 154 X 95mm and the standard thickness general purpose pads are 224 X 158mm.

Part No	Description
64066	Extra thick delicate pad (White)
64065	General Purpose Pad (Green)
64067	Extra thick heavy duty pad (Blue)
64068	General purpose pads (pack of 3) (Green)

3M

Fine

Medium

Coarse

3M Doodlebug System

The 3M Doodlebug cleaning system consists of a swivelling holder to which a selection of cleaning pads attach. The holder features special grippers that hold pads firmly in place and provide for easy attachment and changing of pads. The head incorporates a clamping attachment for a brush handle. There are three different pads available: White for delicate cleaning tasks (e.g. glass, ceramic tiles), blue for medium duty jobs and brown for heavy duty cleaning and stripping.

Part No	Description
64060	Doodlebug Holder
64061	White Pad (Fine)
64062	Blue Pad (Medium)
64063	Brown Pad (Coarse)

3M Twist-Lok Pad Holder

Specially designed for use with 3M hand pads to make clean up jobs faster, easier and safer. Distributes pressure evenly over pad surface for efficient cleaning action and improved pad life. Length: 120mm, Width: 89mm

Part No
64064

Mirka Goldflex Sanding Pads - Tear off the roll

The soft and flexible Goldflex Soft has been developed for sanding profiled surfaces and irregular, difficult-to-reach details by hand. Goldflex Soft is especially useful within the automotive industry and the car repair branch. The foam base is grip friendly and applies pressure evenly, which reduces the risk of sanding through the surface. The special stearate coating prevents clogging. Suitable for both dry and wet sanding.

Part No	Description
63528	P150 Pack of 200
63529	P180 Pack of 200

Mutton Cloth

(Stockinette) 400grams

High quality cotton stockinette cloth for general cleaning and polishing tasks.

Part No
60298

Microfibre Cloths

Pack of 10. Colours may vary. 40 x 40cm

Part No
60360

10kg Bag of White Rags

Mixture of rags for cleaning.

Part No
60291

MIRKA

MIRKA

MIRKA

Lambs' wool pad 6" 150 mm 2-pack

Part No	Description
64870	Lambs' wool pad 6" 150 mm 2-pack

Twisted Wool Pad 180mm Double Sided

Part No	Description
64871	Twisted Wool Pad 180mm Double Sided

Adapter M14

Part No	Description
64872	Adapter

High Gloss

Compounding

Polishing

3M Double Sided Foam Compounding System

Get easy changeouts using 3M Hookit™ and Quick Connect attachment systems.

Part No	Description
63660	3M 50708 Blue Quick Connect High Gloss Pad 216mm
63655	3M 50878 Green Quick Connect Compounding Pad 150mm
63656	3M 50874 Green Quick Connect Compounding Pad 216mm
63657	3M 50879 Yellow Quick Connect Polishing Pad 150mm
63658	3M 50875 Yellow Quick Connect Polishing Pad 216mm

3M 14mm Quick Connector

3M 33271

Part No	Description
63661	Quick Connect Adapter
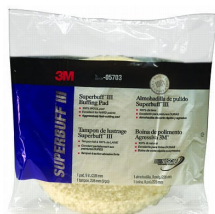
Compounding Pad

Compounding Pad

Polishing Pad

Polishing Pad

Adaptor

Backup Pad

3M

3M Superbuff Polishing & Compounding Pads

Double sided, soft edged pads for use with polishes & rubbing compounds. 200mm diameter.

Part No	Description
63715	Compounding Pad
63716	Polishing Pad
63717	Adaptor 14mm
63718	Adaptor 5/8"

3M Hookit SBS Polishing & Compounding Pads

Single sided pads for use with 3M Hookit backing pads. 200mm Diameter.

Part No	Description
63711	Compounding Pad
63712	Polishing Pad
63713	Backup pad 5/8"
63714	Backup pad 14mm

3M™ Perfect-it™ Boat Wash

3M's best product solution to clean a variety of boat surfaces. The product is a professional strength concentrate, making up to 16 gallons. It works safely on surfaces from stem to stern. It works without stripping wax

Part No	Description
63680	Boat Wash 473ml
63681	Boat Wash 946ml

3M™ Perfect-It™ Gelcoat Heavy Cutting Compound

This fast-cutting compound removes heavy oxidation, scratches, and other defects. Use 3M™ Perfect-It™ Gelcoat Heavy Cutting Compound for any P800 scratches or finer.

Part No	Description
63704	Heavy Compound 946ml

3M™ Perfect-It™ Gelcoat Medium Cutting Compound + Wax

This compound plus wax combines a fast cutting power, a high gloss finish, and durable wax protection. Use this for any P1000 and finer scratches.

Part No	Description
63682	Medium Compound & Wax 473ml
63683	Medium Compound & Wax 946ml

3M™ Perfect-It™ Gelcoat Light Cutting Polish + Wax

When a brilliant finish and durable protection are needed for P1500 and finer scratches, 3M™ Perfect-It™ Gelcoat Light Cutting Polish + Wax is the perfect solution for light or dark coloured gelcoat.

Part No	Description
63686	Light Compound & Wax 473ml
63687	Light Compound & Wax 946ml

3M™ Perfect-It™ Boat Wax

Our 3M™ Perfect-It™ Boat Wax keeps all sorts of surfaces looking great. It's safe for gelcoat, paint, fibreglass and metals and has a pleasant tropical scent. The pure wax finish protects against the elements.

Part No	Description
63690	3M Perfect - It Boat Wax 473ML
63692	3M Perfect - It Boat Wax 946ML

Finesse-it Finishing Material 473ml

Designed for use on topside paint systems to remove swirl marks after compounding, while leaving a glazed finish. Also suggested as the final stage in acrylic plastic reconditioning.

Part No
63702

3M Extrafine Plus Compound 1 Litre

Use 3M™ Perfect-It™ Extra Fine Plus Compound after Fast Cut Plus as a single polish product, for outstanding body shop results.

Part No
63650

3M Fast Cut Plus Extreme 865ml

A fast acting liquid abrasive that removes sanding scratches from refinished or original paintwork and helps achieve a superior high gloss finish. For all paintwork including hard and scratch resistant. Fast cut-rate performance +25% faster cut compared to old 50417 compound.

Part No
63705

3M Ultrafine SE Polish 1 Litre

Perfect-it III Ultrafina SE polish helps eliminate rotary swirl and hologram effects using standard electric or air-powered rotary polishing machines.
(1000 - 2500 rpm)

Part No
63654

Polarshine 10 Polishing Compound 1ltr

An ultimate single compound system. Polarshine 10 is a medium coarse polishing compound especially designed for achieving the best result after sanding with Mirka's unique products. Polarshine 10 is suitable for all paint systems and for polishing of scratch resistant clear coats. It is designed to keep the surface temperature low when polishing and it removes marks permanently. Polarshine 10 is silicone-free and can be applied both by machine and by hand.

Part No	Description
64860	Polarshine 10 Polishing Compound 1ltr

Polarshine 20 Polishing Compound 1ltr

Polarshine 20 is a medium coarse polishing compound for scratch removal and optimised to work on fresh and soft clear coats. This water-soluble polishing compound gives an excellent cut and leaves a very high gloss surface. In order to obtain a hologram free and superior high gloss surface especially on darker colours it is recommended to use Polarshine 5 as the last step in the polishing process.

Part No	Description
64862	Polarshine 20 Polishing Compound 1ltr

Polarshine 35 Polishing Compound 1ltr

Polarshine 35 is a coarse polishing compound developed for demanding Industrial and Marine applications. Polarshine 35 is suitable for materials such as gel coats, high gloss lacquers and composites. This product has a faster and more efficient compound and produces a high surface gloss. By using Polarshine 35 you are able to minimize the sanding steps. This polishing compound has special emulsifying properties, which reduce the risk of drying out or overheating the surface. The viscosity of Polarshine 35 reduces splashing and is easy to use.

Part No	Description
64864	Polarshine 35 Polishing Compound 1ltr

Polarshine 45 Polishing Compound 1ltr

A coarse and fast cutting polishing compound that helps you save time and still achieve a perfect deep gloss finish. Removes sanding scratches from P600 and finer quickly and permanently. Designed for hard surfaces and coatings, especially within the marine sector. Used in both production and restoration processes, Polarshine 45 is ideal for one-step polishing of white and light-coloured gel coat surfaces. For darker colours, we recommend a second step with Polarshine 10 to remove swirl marks.

Part No	Description
64865	Polarshine 45 Polishing Compound 1ltr

Reca Stainless Steel Cutting Disc

115mm

Rapid cutting times in steel and stainless steel. Suitable for universal use. Satisfies the most stringent oSa safety requirements . Fibreglass reinforcement . Disc does not break.

Part No
63460

T6/s and T8/s rough grinding disc for steel

115 x 6.0 x 22.23mm

Medium-hard Turbo rough grinding disc with high removal rate for the toughest operating conditions and high edge strength. Stepped design with Turbo profile. Satisfies the most stringent oSa safety requirements. Certified quality.

Part No
63461

Reca Eco Ceramic Mop Flappy Discs

115 x 22.23mm

Available in 2 grades.

Part No
63462 - P40
63463 - P60

Mechanical Steering

Easy Connect Steering System Package
(Up to 150HP)
(For boats up to 9m outboard + 10.5m inboard.)

Includes Helm, Cable, Bezel Kit and Alpha Wheel. Complete steering system in a box, for OEM and aftermarket. Compact planetary design, 4 turns lock to lock, low back lash. Powder coated helm. Time saving, quick and easy cable connection. Everything you need for new or replacement installation. Comparable to – Teleflex SH5094P, Safe T QC. Ultra-Flex T-71FC and Morse D290.

Part No	Description
49094	10 Feet Easy Connect Steering System
49096	12 Feet Easy Connect Steering System
49098	14 Feet Easy Connect Steering System
49099	15 Feet Easy Connect Steering System
49100	16 Feet Easy Connect Steering System
49102	18 Feet Easy Connect Steering System
49104	20 Feet Easy Connect Steering System

Lite 55 Steering System Package
(Up to 55HP)

Includes Helm, Cable, Bezel Kit and Alpha Wheel. Complete steering system in a box for OEM and aftermarket. Compact rotary design, 2.5 turns lock to lock, adjustable mounting positions. All die cast aluminium helm cover. Everything you need for new or replacement installation. Comparable to - Teleflex Compac T and SH8050. Morse CO230 and U/Flex T67.

Part No	Description
49121	7 Feet Lite 55 Steering System
49122	8 Feet Lite 55 Steering System
49123	9 Feet Lite 55 Steering System
49124	10 Feet Lite 55 Steering System
49125	11 Feet Lite 55 Steering System
49126	12 Feet Lite 55 Steering System
49127	13 Feet Lite 55 Steering System
49128	14 Feet Lite 55 Steering System
49129	15 Feet Lite 55 Steering System
49130	16 Feet Lite 55 Steering System

Hydraulic Steering Systems

115HP Multiflex Hydraulic Steering Kit

Kit includes:
Hydraulic Helm HP-16F.
Hydraulic Cylinder OC-115U.
5 meters Hose Kit with Factory Crimped End Connector CT-5.0.
Hydraulic Oil 2 litre HO-150.

Volume = 85 CC
Port Thread = 9/16-24 UNEF
Force = 330 Kgf
Stroke = 185 mm

Part No
49140

175HP Multiflex Hydraulic Steering Kit

Kit includes:
Hydraulic Helm HP-20
Hydraulic Cylinder OC-175
7.5 meters Hose Kit with Factory Crimped End Connector CT-7.5
Hydraulic Oil 2 liters HO-150

Volume = 122 CC
Port Thread = 9/16-24 UNEF
Force = 422 Kgf
Stroke = 203 mm

Part No
49141

MTC30KIT Complete Hydraulic Steering Kit

Includes:
Pump type HTP2010 (white).
Fittings to connect to Ø 8 mm hose.
Cylinder type MTC3008.
Nylon hose Ø 8 mm type HS04N (15 metre roll).
Hydraulic steering oil type VHS1 (1 litre).
All required fittings.

Specifications:

Max. Torque: 294 Nm (30 kgm) (216 ft.lbs).
Wheel turns: 3.4
Stroke 150 mm.
Volume 67 cm³.
Length of tiller arm 129 mm.
Pump shaft: Ø 3/4" with 1:12 taper.

Part No	Vetus	Description
55440	MTC30KIT	Complete hydraulic steering kit.
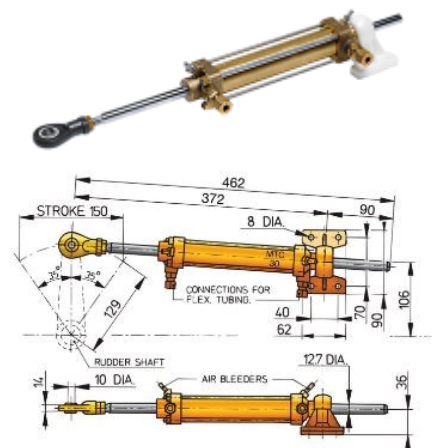
MTC3008 Cylinder

High quality brass bodied cylinder for larger yachts and work boats. Supplied with zinc plated rod end and compression fittings with bleed nipples.

Stroke   150mm

Cylinder Volume 67CM³

Length Of Tiller Arm 129mm

Weight 1.8KG

Max Torque (NM) 294

Part No	Vetus	Description
55442	MTC3008	8mm tubing
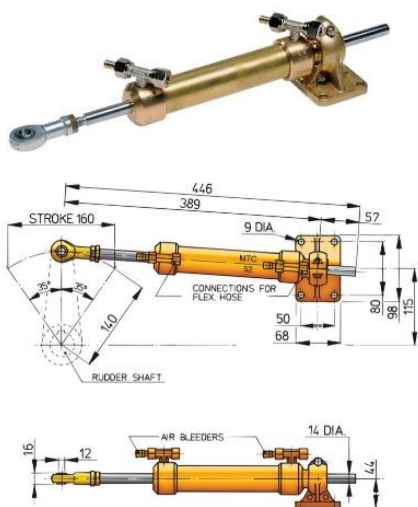
MTC5210 Cylinder

High quality brass bodied cylinder for larger yachts and work boats. Supplied with zinc plated rod end and compression fittings with bleed nipples.

Stroke   160mm

Cylinder Volume 104CM³

Length Of Tiller Arm 140mm

Weight 3.4KG

Max Torque (NM) 510

Part No	Vetus	Description
55443	MTC5210	10mm tubing
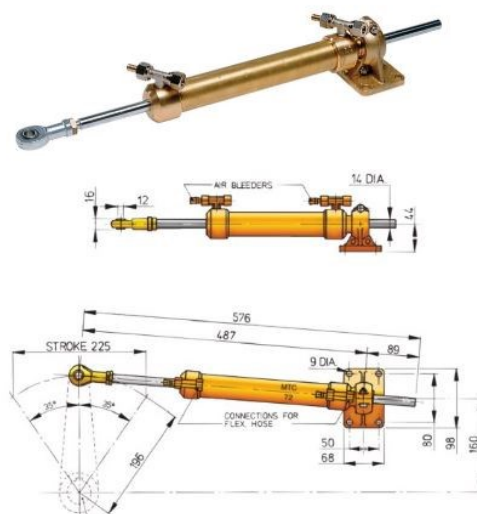
MTC7210 Cylinder

High quality brass bodied cylinder for larger yachts and work boats. Supplied with zinc plated rod end and compression fittings with bleed nipples.

Stroke   225mm

Cylinder Volume 146CM³

Length Of Tiller Arm 196mm

Weight 3.8KG

Max Torque (NM) 706

Part No	Vetus	Description
55444	MTC7210	10mm tubing
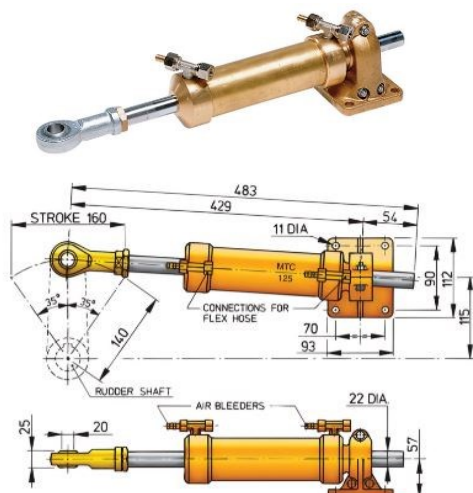
MTC12510 Cylinder

High quality brass bodied cylinder for larger yachts and work boats. Supplied with zinc plated rod end and compression fittings with bleed nipples.

Stroke   160mm

Cylinder Volume 253 CM³

Length Of Tiller Arm 140mm

Weight 7.1KG

Max Torque (NM) 1226

Part No	Vetus	Description
55445	MTC12510	10mm tubing

MTC7210SL Cylinder (for transom hung rudders)

High quality brass bodied cylinder for transom hung rudders with protruding ram. Including fitting flange and compression fittings with bleed nipples.

Stroke   225mm

Cylinder Volume 146 CM³

Length Of Tiller Arm 196mm

Part No	Vetus	Description
55447	MTC7210SL	10mm tubing
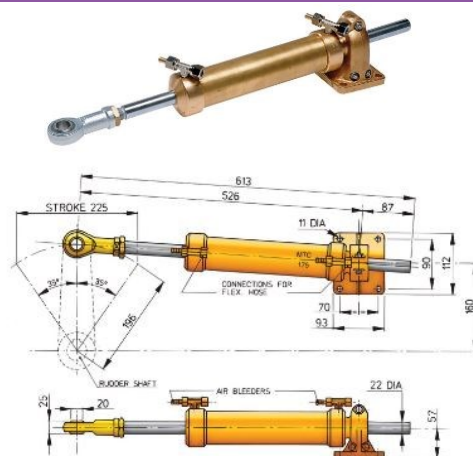
MTC17510 Cylinder

High quality brass bodied cylinder for larger yachts and work boats. Supplied with zinc plated rod end and compression fittings with bleed nipples.

Stroke   225mm
Cylinder Volume 356CM³
Length Of Tiller Arm 196mm
Weight 8KG
Max Torque (NM) 1717

Part No	Vetus	Description
55446	MTC17510	10mm tubing
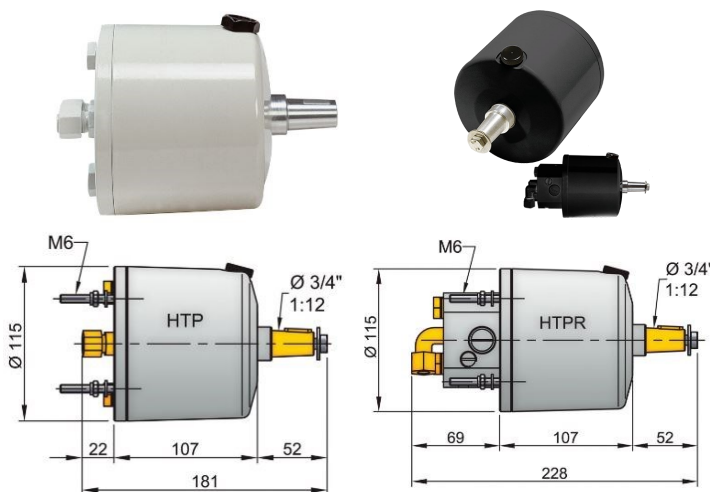
HTP2010 White or Black
(with or without non return valves)

A compact helm pump which can be mounted and operated at any angle. Suitable for use with cylinders MTC30-72.

Capacity 19.7cm³/rev
Number of pistons 5
Weight without valve 3.3kg
Weight with valve 4.1kg
10mm tubing

Part No	Vetus	Description
55390	HTP2010	HTP White Helm pump
55393	HTP2010B	HTP Black Helm pump
55398	HTP2010R	HTP White Helm pump non return valves
55401	HTP2010RB	HTP Black Helm pump non return valves
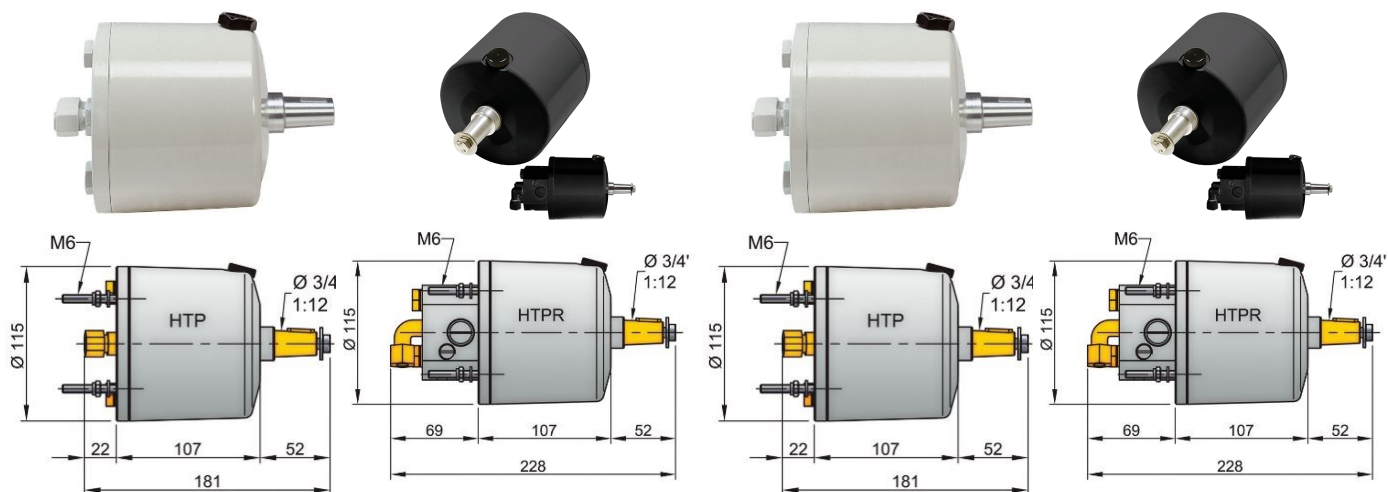
HTP3010 White or Black
(with or without non return valves)

A compact helmpump which can be mounted and operated at any angle. Suitable for use with cylinders MTC30-72.Without non return valves.

Capacity 30.0cm³/rev

Number of pistons 5

Weight without valve 3.3kg

Weight with valve 4.1kg

10mm tubing

Part No	Vetus	Description
55391	HTP3010	HTP White Helm pump
55394	HTP3010B	HTP Black Helm pump
55399	HTP3010R	HTP White Helm pump non return valves
55402	HTP3010RB	HTP Black Helm pump non return valves

HTP4210 White or Black
(with or without non return valves)

A compact helmpump which can be mounted and operated at any angle. Suitable for use with cylinders MTC30-72.Without non return valves.

Capacity 42.0cm³/rev

Number of pistons 7

Weight without valve 3.3kg

Weight with valve 4.1kg

10mm tubing

Part No	Vetus	Description
55392	HTP4210	HTP White Helm pump
55395	HTP4210B	HTP Black Helm pump
55400	HTP4210R	HTP White Helm pump non return valves
55403	HTP4210RB	HTP Black Helm pump non return valves

HTPF Adapter Flange

This polished stainless steel flange can be used to fit a pump type HTP to replace an older type MTP pump. It can also be used as a simple embellishment . 38mm Depth

Part No

55385

HTPF2 Adapter Flange

This polished stainless steel flange can be used to fit a pump type HTP to replace an older type MTP pump. It can also be used as a simple embellishment . 78mm Depth

Part No

55386

HTPF3 Waterproof Seal Kit

This can be used for situations where the HTPF or HS1000 wheel adjuster may fill with water. Consists of a rubber seal and a stainless steel trim ring.

Part No

55387

HS1000 Steering Wheel Adjuster

This adjuster unit is fitted onto the steering pump and will greatly enhance the helmsman.™s steering comfort, both seated and standing.

Part No

55384

Vetus Hydraulic nylon steering hose.

Part No	Vetus	Size	Required Connection Parts
55488	HS04N	6mm x 8mm x 15m	HS1011S Sleeve Insert (20 pieces)
55478	HHOSE6015	6mm x 10mm x 15m	HS145S Sleeve Insert (20 pieces)
55479	HHOSE6030	6mm x 10mm x 30m	HS145S Sleeve Insert (20 pieces)
55480	HHOSE6050	6mm x 10mm x 50m	HS145S Sleeve Insert (20 pieces)
55483	HHOSE8015	8mm x 12mm x 15m	HS1031MS Straight/ HS1037MS Angled

Vetus Automatic equalising valve

Part No	Description
55396	HS65 8mm connectors
55397	HS66 10mm connectors

Vetus Sleeve Inserts + Olives

Sleeve insert Ø 6mm + Olive Ø 8mm for use with HS04N nylon hose.

Pack of 10 pieces.

Part No	Vetus
55518	HS10131

Vetus Sleeve Inserts

Sleeve insert, Ø 6.5mm for use with HH6....

Pack of 20 pieces.

Part No	Vetus
55519	HS145S

Vetus Sleeve Inserts

Sleeve insert, Ø 6mm for use with HS04N.

Pack of 20 pieces.

Part No	Vetus
55517	HS1011S

By Pass Valve

If a change-over to tiller steering is required an installation of a by-pass valve is necessary.

Part No	Vetus	Description
55502	BYPASS8	For 8mm Tubing
55503	BYPASS10	For 10mm Tubing

Vetus Straight Hose Connector

For nylon hose Ø 8mm x 12mm (HHose8..)

Pack of 2

Part No	Vetus
55520	HS1031MS

Vetus Right Angle Hose Connector

For nylon hose Ø 8mm x 12mm (HHose8..)

Pack of 2

Part No	Vetus
55521	HS1037MS

Vetus 2 Quick Couplings

Set 2 quick couplings for hydraulic cylinders.

Part No	Vetus
55457	HHSET

Vetus Compression Brass Olives

Part No	Vetus	Description
55514	SET0173	HS894 Brass Olive 10mm x 9.2mm
55516	SET0174	HS897 Brass Olive 10mm x 10.4mm

Replacement Rod Ends

High quality Stainless Steel replacement rod end fitting for standard fit steel versions

Part No	Vetus	Description
55450	HS071	M10 x 1.5 SS 316 (For MTC30)
55452	HS101	M12 x 1.75 SS 316 (For MTC52-72)
55453	HS210	M20 x 1.5 SS 316 (For MTC125-175)

Hydraulic Fluid Header Tank (HTANK)

This transparent tank can be installed with all Vetus steering pumps up to 89 cm³ per revolution. It is also recommended for electro-hydraulic hatch lifters, when operating more than one cylinder. It has a capacity of about 200 cm³ and is supplied with a large vented screw cap, for easy filling and a mounting bracket. The tank comes complete with 1 metre of Ø 8 mm hose, two matching hose clips, one G ¼ and one G 3/8 nylon hose pillar.

Part No	Vetus
55438	HTANK

Rudder Connection Kit

Part No	Vetus	Description
55454	HSET10	M10 for MTC30
55455	HSET12	M12 for MTC52-72
55456	HSET20	M20 for MTC125-175
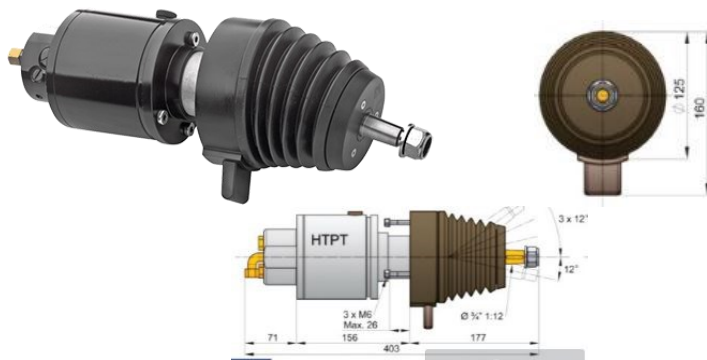
Vetus Tilting Steering Pump

For both seated and standing steering positions.

Type HTPT has a tilt mechanism which allows the steering wheel to be locked in five different positions with a total tilt range of 48°. The steering wheel shaft is made of stainless steel (AISI316) and all other visible parts are made of black rubber and synthetic mater . These pumps are supplied with built-in non return valves, a pressure relief valve and feature the same specifications as steering type HTPR.

Part No	Vetus	Ø mm Tubing	Capacity cm³/rev	Number of pistons
55407	HTP3010T	10	30.0	5
55408	HTP4210T	10	42.7	7

HELM Aluminium Rudder Arms

Connections made by in 2 bolt clamps and 2 locking grub screws (included). There are 4 attachment points, making it suitable for several steering cylinders.

Part No	Vetus	Description
55460	HELM30	Helm Rudder Arm 30mm Shaft
55461	HELM40	Helm Rudder Arm 40mm Shaft
55462	HELM50	Helm Rudder Arm 50mm Shaft
55463	HELM60	Helm Rudder Arm 60mm Shaft

Ultraflex Hydraulic Steering Oil

Grade 15 hydraulic oil.

Part No	Description
11795	1 Litre Ultraflex Steering Oil

Vetus Hydraulic Steering Oil HF15

This is a low viscosity oil for hydraulic steering systems with optimum results at all temperatures. This oil has a very low coagulation point and a very high viscosity index. May be mixed with other hydraulic mineral oils.
Specification
Viscosity: 22 cSt at 20° C.
Viscosity index: 353
DIN 51524
Colour: green

Part No	Vetus	Description
56752	VHS1	Hydraulic Steering Oil 1 Litre

Type PRO Steering Wheels

The perfect match for traditional and modern boats

Type PRO has 2 models. Type 'T' with a satin-gloss varnished teak rim and type 'P' with a semi-hard polyurethane rim which will keep your hands warm. Both models have substantial spokes and a hub cover made of high-gloss polished stainless steel (AISI 316). The hub itself is made of synthetic material and bored for a Ø ¾" shaft with 1:12 taper which will fit most steering systems. These steering wheels are according to the CE and ABYC directives. Outer rim Ø32 mm

Part No	Vetus	Description	Ø (mm)	Ø Outer rim (mm)
55528	PRO40P	Polyurethane rim steering wheel	400	32
55529	PRO50P	Polyurethane rim steering wheel	500	32
55530	PRO60P	Polyurethane rim steering wheel	600	32
55532	PRO40T	Teak steering wheel	400	32
55533	PRO50T	Teak steering wheel	500	32
55534	PRO60T	Teak steering wheel	600	32

Type SWCRUISER

Cruiser steering wheel

A three-spoke steering wheel finished in silver aluminium accents and a diameter of 350 mm.

Bored for Ø ¾" shaft, tapered 1:12.

Part No	Vetus	Description	Ø (mm)
55590	SWCRUISER	Three spoke sport steering wheel, black with aluminium inserts	350

Type SWCRUISER

Type SWSPORT

Sport steering wheel

A sporty three-spoke steering wheel finished in carbon with a diameter of 350 mm.

Bored for Ø ¾" shaft, tapered 1:12.

Part No	Vetus	Description	Ø (mm)
55589	SWSPORT	Three spoke sport steering wheel, carbon finish	350

Part No	Vetus	Description
55536	SETPS1	1" Diameter Steering Wheel Boss (Tapered 3 1/2:12)
55551	SETKS1	1" Diameter Steering Wheel Boss (Tapered 3 1/2:12)

Type SWSPORT

PASBUSA Steering Wheel Shaft Adaptor

All VETUS wheels and steering pumps have a Ø ¾" bore, with a 1:12 taper. The PASBUS is a tapered bushing that can be applied to the 3/4" shaft of a steering pump so that it can receive a wheel with a 1" bore. This allows wheels made by others to be installed on their pumps.

Product ID

55591

Type KW

Type KWL

Type KW / KWL

With a mahogany rim

The spokes and hubcap are made of stainless steel (AISI 316). The hub itself is made of aluminium.

• Bored for Ø ¾" shaft, tapered 1:12

Part No	Vetus	Description	Ø (mm)	Ø shaft (mm)	Tapered
55580	KW38	Steering wheel with mahogany rim	380	19,05	1:12
55581	KW45	Steering wheel with mahogany rim	450	19,05	1:12
55582	KW55	Steering wheel with mahogany rim	550	19,05	1:12
55586	KWL38	Steering wheel with mahogany rim and spokes	380	25,4	31/2:12
55587	KWL45	Steering wheel with mahogany rim and spokes	450	25,4	31/2:12
55588	KWL55	Steering wheel with mahogany rim and spokes	550	25,4	31/2:12
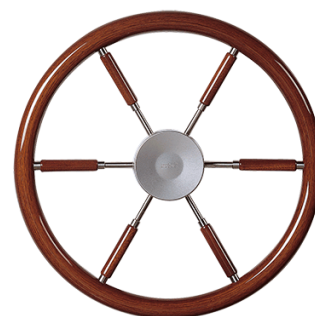
Steering Wheel Hub CAP	
Part No	Description
55573	SWCAP64B Hub Cap Brass
55574	SWCAP87B Hub Cap Brass
55575	SWCAP64S Hub Cap Stainless Steel
55576	SWCAP87S Hub Cap Stainless Steel

Type KS

No more cold hands - steering wheels

Model KS has stainless steel (AISI 316) rims, spokes and a cap. The rims have a layer of semi-hard PU-foam with an integralskin. These soft-feel wheels are resistant to all weather conditions. Type KS38, 45 and 55 are supplied in the colour grey (RAL 704) or black. Bored for Ø ¾" shaft, tapered 1:12

Part No	Vetus	PU-foam Layer	Ø (mm)	Ø shaft (mm)	Tapered
55540	KS32G	Grey	320	19	1:12
55541	KS32Z	Black	320	19	1:12
55542	KS36G	Grey	360	19	1:12
55543	KS36Z	Black	360	19	1:12
55544	KS38G	Grey	380	19	1:12
55545	KS38Z	Black	380	19	1:12
55546	KS45G	Grey	450	19	1:12
55547	KS45Z	Black	450	19	1:12
55548	KS55G	Grey	550	19	1:12
55549	KS55Z	Black	550	19	1:12

KS32G / KS32Z
KS38G / KS38Z
KS45G / KS45Z
KS36G / KS36Z
KS55G / KS55Z

Indasa Precision Gold Masking Tape

Washi rice paper technology for thin, super flat edge line.
Ideal for critical paintwork
Excellent UV resistance
90 days (indoor)
60 days (outdoor)

Part No	Width x Length
64690	25mm x 50m
64691	50mm x 50m

3M Gold Masking Tape

Designed with a flat paper backing with synthetic adhesive, this tape offers a good solvent and water resistance and a good paint anchorage. Adhesive transfer resistance and sunlight stability. a good temperature resistance (100 ° C). It offers a good paint line, good handling, good paint flaking resistance and clean removal. Helps resist paint bleed through.

Part No	Width x Length
63912	24mm x 50m
63913	48mm x 50m

3M 3434 Masking Tape

Use Scotch High Performance Masking Tape 3434 for a wide variety of applications in auto refinishing. Use in environments up to 110°C and in conditions of high water resistance. Our high performance blue crepe paper masking tape has excellent solvent and water resistance properties

Part No	Width x Length
63931	24mm x 50m
63933	48mm x 50m

7 Day Masking Tape

A high performance creped paper tape for interior and exterior masking, as used by the professionals. Removes cleanly up to 7 days.

Part No	Width x Length
93027	25mm x 25m

3M Scotch Blue 14 Day Tape

Provides UV stability and adhesive transfer resistance for up to 14 days after application. Conformable and smooth for use in various paint and varnish masking applications.

Part No	Width x Length
63917	24mm x 54.8m
63918	48mm x 50m

Mirka 120˚C Blue Line Masking Tape

A high-performing masking tape for professional use in automotive, shipyard and building market. Designed to meet the most demanding masking situations in Aerospace, Automotive, Building, Construction, Decorative and Marine applications and withstands 120°C oven use for 30 minutes. Superior holding power and excellent solvent, water and UV resistance. Highest degree of industrial indoor-outdoor performance. Approved for IR curing process. Excellent paint line and residue-free removal with a removal time of 15 days indoors and 10 days outdoors.

Part No	Width x Length
64940	24mm x 50m
64941	48mm x 50m

Standard Masking Tape

A general purpose masking tape, useful for a wide variety of applications.

Part No	Width x Length
60300	19mm x 50m
60305	25mm x 50m
60310	38mm x 50m
60312	50mm x 50m

80°C Masking Tape

A marine and automotive quality creped paper masking tape to achieve a professional finish. Temperature resistant to 80C.

Part No	Width x Length
93030	18mm x 25m
93031	25mm x 25m

PTFE Tape 12mm x 12m

Thread sealing tape for pipe connection and general on board plumbing.

Part No	Colour
93135	White

PSP Fine Line Masking Tape

A high quality masking tape for use when a fine definition line is required. It is flexible and allows precise application, even on curves, without tearing. Being thin (0.11mm), there is little build up of paint at the edges.

Part No	Width x Length
93113	6mm x 33m
93114	12mm x 33m
93115	19mm x 33m
93117	25mm x 33m
93116	25mm x 66m

PVC Electrical Tape 19mm x 20m

PVC to BS 3924 flame retardant standard. Ideal for luff, cringles, spar and mast markings and on-board electrics.

Part No	Colour
93137	White
93138	Black
93139	Red
93140	Blue
93141	Green
93142	Yellow

Saba Deck Tape 4mm x 66M

Bond breaker tape used for deck caulking.

Part No	Description
60502	Saba deck Tape 4mm x 66M

3M Fine Line Tape

Highly conformable polypropylene tape which stretches easily for painting smooth curves.

Part No	Width x Length
63920	3mm x 55m
63921	6mm x 55m
63922	12mm x 55m
63923	19mm x 55m

3M Prespacing Tape

SCPS-100 is a translucent paper tape designed for use with printed graphics produced with Scotchcal™, Controltac™ and Scotchlite™ Films. It has high adhesion on small film formats and delicate film pieces, and can be removed easily after use.

Part No	Width x Length
63935	1.22m x 91.4m

Black Gorilla Tape

Made with double thick adhesive, strong reinforced backing, and a tough all-weather shell, Gorilla Tape is the biggest, strongest, toughest tape yet. It sticks to rough and uneven surfaces, including wood, stone, stucco and brick, that ordinary tapes can't hold.

Part No	Width x Length
60810	48mm x 11m

3M Hand Masking Film MF99

Film is non porous.
Resistant to paint penetration.
Can be used with lacquers.
Flake resistant for multiple coats.
Transparent and compacts for easy disposal.
Clings to surfaces to protect against overspray.

Coverage: 68.9 sq.mtrs

Part No	Size
63905	99" x 90ft 2.51m x 27.4m

3M Taped Masking Film

Ideal for SMART repairs! This plastic film is a great way to quickly mask around areas which require painting. The high quality material ensures that the boat is fully protected against paint spray whilst also preventing paint runs off the film.

Part No	Width x Length
63900	40cm x 25m
63901	60cm x 25m
63902	90cm x 25m
63903	110cm x 25m
63904	180cm x 25m

Gorilla Clear Repair Tape

This tape features the strength of Gorilla Tape in a weatherproof, airtight, crystal-clear tape. Easy to tear by hand, with Gorilla Clear Repair Tape, you can fix, patch, seal, hold and protect almost any surface with a crystal-clear appearance for a perfect fix every time.

Part No	Width x Length
60812	48mm x 8.2m

Tapes

Duck Tape 50mm x 5m

A self adhesive, high quality, waterproof cloth tape suitable for numerous repair jobs on all boats and canoes.

UV version: Resistant to UV light and weather conditions.

Part No	Colour
93004	Light Grey UV Resistant
93072	Clear
93073	White
93074	Black
93075	Red
93076	Blue
93077	Green
93078	Yellow
93079	Silver

Self Amalgamating Tape

A non-adhesive tape with a protective release liner, which bonds to itself and not your fittings. Ideal for rigging screws, terminals on deck electrics and emergency hose repairs.

Size	Black	White
19mm x 5m	93123	93127
25mm x 5m	93124	93128
19mm x 10m	93125	93129
25mm x 10m	93126	93130

Race/Course Cards

A pack of 15 self-adhesive waterproof write on stickers with a removable adhesive. Simply jot down the race course in the club house, remove the sticker from the backing paper and position on dinghy. Win the race then remove cleanly afterwards without leaving any residue.

Part No
93034

Vinyl Foam Hatch Tape

Self-adhesive plasticised vinyl foam tape for bedding in windows, deck fittings and engine hatch covers.

Size	Black	Grey	White
19mm x 3mm x 3m	93094	93095	93096
25mm x 6mm x 3m	93097	93098	93099
25mm x 3mm x 3m	93100	-	-

Double Sided Vinyl Foam Tape

A strong, black double-sided adhesive tape for light to medium weight fixtures. The product uses the classic PVC BEAR FOAM, which provides a compressible tape to fill any void between two uneven rigid surfaces, thus preventing vibration or partial contact of the adhesive surfaces.

Part No	Size
93017	19mm x 1mm x 5m
93018	19mm x 3mm x 3m
93019	25mm x 3mm x 3m

Double Sided Tape

A strong, self adhesive double sided tape suitable for a range of temporary and permanent repair jobs on board.

Part No	Size
93105	50mm x 5m

Head Lining Tape

A rigid PVC strip backed with a VHB performance adhesive system. DUAL-LOCK, manufactured by 3M™ simply locks to itself. The fastener can be attached to a bulkhead or any smooth surface and will provide an ideal re-closable fastening system for headlinings, cushions etc, securing items in lockers, trim panels and a multitude of other applications.

Part No	Size
93007	2x 25mm x 125mm

3M™ Dual Lock™ Reclosable Fastener SJ355D

This is a general purpose acrylic adhesive on the back of a black, polypropylene reclosable fastener. It is up to 12 times stronger than traditional hook and loop technology. Tough polyolefon mushroom shaped stems snap together to create the tensile strength to replace traditional fasteners. Fast assembly with no drilling. 'Invisible' fixing. High temperature and solvent resistant. Mushroom heads lock together replacing standard hook and loop system.

Part No	Size
63895	5m x 25mm

Hook & Loop Fastener Tape

A self adhesive hook and loop fastener tape ideal for sail ties and quick release fixings.

Size	Black	White
25mm x 1m	93147	93149
25mm x 25m	93148	93150

Anti Chafe Stainless Steel Sheet

Extra flexible stainless steel sheets to protect boat gelcoat and paint against any damage caused by rope chafing. Suitable to protect from chafing caused both by mooring and manoeuvering lines. Made of stainless steel and provided with 3M VHB™ powerful adhesive tape. Gelcoat and paint are preserved

Part No	Description
96485	150 x 50mm 1 sheet
96486	225 x 50mm 1 Sheet

Monster Tape

Monster Tape is extremely strong and is resistant to UV light, salt water and works comfortably at temperatures -40°C to - 85°C. It has a high performance adhesive on one side. The multipurpose tape for repairs on board.

Part No	Size
93410	75mm x 1.5m

PSP Back to Back

This is an easy to use product for quick release with a hook face and loop reverse. It is particularly useful for use as stowage straps, sail ties, bundling and many other applications, rolls available in black or white.

Part No	Size
93151	White 25mm x 2m
93152	Black 25mm x 2m

Grip Foam

A strong soft blue or grey foam with a high performance waterproof adhesive. Providing extra grip with added comfort to any flat or profiled surface.

Part No	Colour	Size
93101	Blue	2mm x 95mm x 300mm
93102	Grey	2mm x 95mm x 300mm

Soft Grip Tape

Soft, comfortable, textured rubber tape, coated with a waterproof adhesive that will remove cleanly without leaving any sticky residue. Essential for the dinghy racer, providing extra grip where needed.

Part No	Colour	Size
93000	Black	50mm x 4m
93001	Grey	50mm x 4m

Grip Kit

A soft conformable rubber grip tape to coil wrap tillers, windsurf, kite and ski handles. Pack includes self amalgamating tape to secure ends.

Part No	Size
93155	30mm x 1.8m

Spinnaker Repair Tape

Self adhesive rip stop nylon tape ideal for reinforcing batten pockets and carrying out temporary repairs to torn sails. Packed in a hanging sleeve. 50mm x 4.5m

Colour	Part No	Colour	Part No
White	93037	Fluorescent Yellow	93046
Black	93038	Fluorescent Pink	93047
Red	93039	Lilac	93048
Magenta	93040	Orange	93049
Royal Blue	93041	Sea Green	93050
Light Blue	93042	Grey	93051
Mid Green	93043	Fluorescent Green	93052
Yellow	93045	Fluorescent Orange	93053

Dacron Repair Tape

A Dacron cloth tape for adding insignia or making repairs to high load areas of sails and covers. 75mm x 1.5m

Colour	Part No	Colour	Part No
Dark Blue	93009	Blue	93012
White	93010	Red	93013
Black	93011	-	-

Dacron Sail Repair Patch

Two strong sail cloth patches to apply to either side of a sail for the larger repair. Now also in a range of colours for repairs to covers, dodgers and spray hoods, etc.
Size:
24cm x 37cm x 2 sheets

Part No	Colour
93022	White
93023	Red
93024	Royal Blue
93025	Black
93026	Dark Blue

Heavy Duty Sail Repair Tape

A self adhesive polyamide fabric tape for semi-permanent sail repair. Seawater and weather resistant with very high ageing resistance. The tape is supple but exceptionally strong.
Available in white only.

Part No	Size
93060	50mm x 2m
93061	100mm x 2m

Mylar Repair Tape

A transparent repair tape for semi-permanent repairs of sail windows and Mylar sails. UV and salt water resistant.

Part No	Size
93084	50mm x 3m
93085	150mm x 3m

Mast Collar Tape

A self bonding waterproof collar which does not require un-stepping the mast when fitting.

Part No	Colour	Size
93119	White	100mm x 1.5m
93120	Black	100mm x 1.5m

Spreader Tape

A soft waterproof tape for capping crosstree ends to reduce chafing of sails. 25mm x 10m

Part No	Colour
93088	White
93089	Silver
93090	Black
93091	Light Grey (UV Resistant)

Kevlar Repair Tape /Patch

Manufactured from Kevlar scrim encapsulated in a Mylar film, then coated with a high coat-weight of UV resistant adhesive. Ideal for repairs to Kevlar and high performance sails.

Part No	Colour	Size
93057	Gold	75mm x 1.5m Tape
93058	Gold	24cm x 37mm (2 sheets) Patch
93054	Black	75mm x 1.5m Tape
93055	Black	24cm x 37mm (2 sheets) Patch

Dacron Wave Tape

A self adhesive Dacron cloth edging, which is designed to be applied to the leech of the mainsail to help reduce flutter and breakdown. The tape becomes waterproof once the adhesive has set, normally within an hour at room temperature.

Part No	Colour	Size
93385	White	75mm x 3m
93386	Black	75mm x 3m
93387	Gold	75mm x 3m

Kite Tape

This tear resistant adhesive rip-stop nylon is available in an extensive range of colours and comes in a roll width of 150mm. It is perfect for the sailor or kitesurfer, who notices a small tear in their kite or sail, which needs to be dealt with as soon as possible.
Size: 150mm x 2.5m

Part No	Colour	Part No	Colour
93360	White	93367	Lilac
93361	Black	93368	Mid Green
93362	Red	93369	Sea Green
93363	Pink	93370	Yellow
93364	Magneta	93371	Flo Yellow
93365	Royal Blue	93372	Orange
93366	Light Blue	93373	Grey

Anti-Chafe Patch

Anti-Chafe Patch can be cut to size to use around cleats or fairleads or even be applied to a dinghy or keelboat spinnaker chute for friction free hoists and drops. Vulnerable areas can be protected and as a clear product, it will not detract from the overall visual effect of any surface. The glue has been developed to be waterproof and has a strong adhesion with a good temperature resistance and proven longevity.
Each pack contains:
Two clear 125mm x 150mm patches (250 micron)
One clear 100mm x 125mm patch (130 micron)
One clear 75mm x 125mm patch (130 micron)

Part No	Colour
93395	Clear (4 sheets)

Rig Wrap

Stretch and coil wrap the clear/opaque tape around rigging in places where the sails come into contact. Reduce wear on expensive sails and provide a friction free surface to ease the passage of sails on tack and gybe.

Part No	Size
93405	25mm x 5m

Tell Tales

For perfect upwind sail trimming
16 self adhesive discs:
8 x Red thread
8 x Green thread

Part No
93400

Main Tales

Similar to tell tales fitted to genoa luffs the main-tales should be fitted at intervals along the leech of the mainsail so that you can accurately trim the mainsail when sailing upwind or on a reach.
Pack Size:
8 x Dacron discs
8 x Ripstop nylon strips

Part No
93399

Exit Tape

Interior application, self-adhesive route marking tape. Photo luminescent properties are designed to charge in natural or artificial light and provide a high intensity initial glow, after which it retains sufficient energy to be seen all night long, conforming to SOLAS regulations for Low Level Lighting.
Suitable for use as a Low Level Lighting System subject to installation to ISO 15370.
Available in plain or with exit arrows.

Size: 50mm x 1m rolls

Part No	Description
93390	Plain 50mm x 1m
93391	Arrows 50mm x 1m

Glow Strip

A photo-luminescent safety marking tape, which is designed to be seen all night. It is UV and weather resistant and specially designed for exterior use.

Part No	Size
93380	25mm x 1m (pack of 3)
93381	38mm x 1m (pack of 2)
93382	1m & 20 x 45mm discs

Leak Stop

For emergency or permanent repair, Leak Stop will repair a pipe leak in under thirty minutes and contain pressure up to 20 bar and temperatures up to 500°F.
Quick and easy to use on virtually any material, it is also suitable as corrosion protection and electrical insulation to 16,000 volts.

Part No	Size
93002	50mm x 1.5m
93003	75mm x 2.7m

Silicone Tape

Our Self Fusing Silicone tape provides a reliable solution to leaks in water or exhaust pipes and a multitude of containing and sealing applications. Effective between -50°C and +260°C, it can also insulate to 8000v per upstretched layer.

The tensile strength has been tested in excess of 700psi and will effectively seal leaks up to 85Psi (6 bar). It also has good resistance to mild acids, fuels, oils, solvents, salt water, ozone, UV light, and flames.

Part No	Colour	Size
93401	White	25mm x 3m
93402	Black	25mm x 3m
93403	Blue	25mm x 3m

Outdoor Safety Walk Tape

The product consists of large abrasive particles bonded by a tough, durable polymer to a dimensionally stable plastic film. The reverse side is coated with a rubber based pressure sensitive adhesive, covered by a removable protective liner. The product provides a tough, durable, slip resistant surface for heavy duty applications, ladders and ramps.

Primarily for use as a heavy duty, durable, slip resistant surface. For dry, wet, muddy, oily floors in industrial or commercial applications such as: agriculture and forestry, road building, civil engineering and building construction, lorries, tractors, cranes construction vehicles, building machinery, armoured vehicles….

Part No	Size
64054	25mm x 18.3m

Safety Tread Tape

This non-slip surface for decks and companion-ways is easily applied and has a permanent pressure sensitive adhesive.

Size	White	Black	Frosty Clear
25mm x 5m	93226	93228	93230
50mm x 5m	93227	93229	93231

Heavy Duty Safety Tread

A rugged abrasive, self adhesive anti-slip tape. Ideal for most types of craft, pontoons, landing stages etc. Backed with a PVC liner, this product is fully waterproof.

Part No	Colour	Size
93232	Black/Yellow	50mm x 5m

Deck Strip

Safety tread die-cut into ten strips. Suitable for applying to steps etc. 10 strips each

Part No	Colour	Size
93235	White	19mm x 300mm
93234	Black	19mm x 300mm

Retro Reflective Tape

A self-adhesive tape ideal for night time identification. Colours reflect in a beam of light. Ideal for tenders, trailers etc

Colour	25mm x 2.5m 2 Roll Pack	50mm x 2.5m	25mm x 5m	50mm x 5m
White	93158	93159	93160	93161
Red	93164	93165	93166	-
Yellow	93170	93171	-	93173
Green	93176	-	-	-

Reflexite Grid Pattern Sew-On Tape

A dazzling sew-on tape which conforms to BS6629. It is used by the police, fire and ambulance services.

Part No	Colour	Size
93218	White	50mm x 1m
93220	Green	50mm x 1m
93222	Red	50mm x 1m

Solas Retro-Reflective Tape

Internationally approved self adhesive tape for life saving appliances. Enables the appliances to achieve maximum night-time visibility. Withstands intense exposure to sunlight, sub-zero temperatures and continuous immersion in seawater.

Part No	Size
93214	50mm x 1m
93215	50mm x 45m

Spray Stop

Provides a cost effective, flexible and IMO compliant solution to prevent the risk of spray out from pipe flanges. Quick and easy to apply.

Part No	Size
93397	25mm x 1m (pack of 2) Silver
93398	50mm x 1m (pack of 1) Silver

Colour stripe Tape

Available in all coveline colours.
Please specify colour when ordering.

Part No	Description	Part No	Description
93350	D1 21mm x 10m	93355	T1 19mm x 50m
93351	D1 21mm x 50m	93356	T2 44mm x 10m
93352	D3 40mm x 10m	93357	T2 44mm x 50m
93353	D3 40mm x 50m	93358	T3 20mm x 10m
93354	T1 19mm x 10m	93359	T3 20mm x 50m

Boat stripe Tape - Solid Colour

For a smart co-ordinated finish, use Boat Stripe to colour match your coveline.
50mm x 16m

Colour	Part No	Colour	Part No
White	93301	Orange	93309
Black	93302	Yellow	93310
Red	93304	Silver	93311
Dark Blue	93305	Matt Gold	93312
Mid Blue	93306	Turquoise	93314
Light Blue	93307	Burgundy	93315
Green	93308	Charcoal	93316

White | Black | Charcoal | Matt Gold | Silver

Beige | Yellow | Orange | Green | Burgundy

Red | Dark Blue | Mid Blue | Light Blue | Turquoise

Coveline Tape

A tough and weatherproof tape to enhance any coveline.

Colour	15mm x 15m	19mm x 15m	25mm x 15m	Colour	15mm x 15m	19mm x 15m	25mm x 15m
White	93238	93239	93240	Orange	93262	93263	93264
Black	93241	93242	93243	Yellow	93265	93266	93267
Beige	93244	93245	93246	Silver	93268	93269	93270
Red	93247	93248	93249	Matt Gold	93271	93272	93273
Dark Blue	93250	93251	93252	Turquoise	93280	93281	93282
Mid Blue	93253	93254	93255	Burgundy	93283	93284	93285
Light Blue	93256	93257	93258	Charcoal	93286	93287	93288
Green	93259	93260	93261	-	-	-	-

Go-Fast Tape
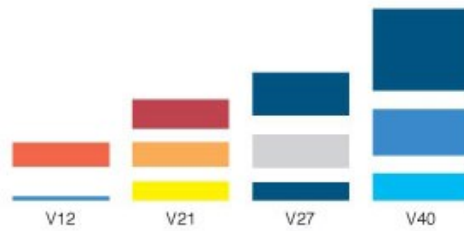
Waterline Tape
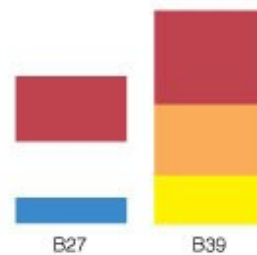
Go-Fast / Water Line Tape

Go-Fast tape gives a professional finishing touch to power boats. There are three different coloured stripes on each tape with a void between the colours. Waterline tape is similar, but with no gap between the colours. Please specify the colour combination required when ordering. The combinations available are:

Dark Blue / Mid Blue / Light Blue

Dark Blue / Mid Blue / Yellow

Dark Blue / Yellow / Dark Blue

Dark Blue / Silver / Dark Blue

Red / White / Mid Blue

Red / Orange / Yellow

Black / Red / Orange

Black / Red / Silver

Type	Description	Part No
Go-Fast Tape	V12 12mm x 10m	93324
Go-Fast Tape	V12 12mm x 50m	93325
Go-Fast Tape	V21 21mm x 10m	93326
Go-Fast Tape	V21 21mm x 50m	93327
Go-Fast Tape	V27 27mm x 10m	93328
Go-Fast Tape	V27 27mm x 50m	93329
Go-Fast Tape	V40 40mm x 10m	93330
Go-Fast Tape	V40 40mm x 50m	93331
Waterline Tape	B27 27mm x 10m	93341
Waterline Tape	B27 27mm x 50m	93342
Waterline Tape	B39 39mm x 10m	93343
Waterline Tape	B39 39mm x 50m	93344

Treadcote

It is designed to rejuvenate the appearance of heavily weathered or stained treadmaster Original. This paint is easy to apply, with full surface preparation and application details shown on the can. Coverage: 5-7m^2 / L

Part No	Description
91883	White Sand
91884	Grey
91885	Blue
91886	Fawn

Treadmaster Sheets 1200 x 900mm

1200mm X 900mm sheets of Treadmaster that can be easily cut to shape using a craft / Stanley knife and stuck down using either Treadmaster marine contact adhesive or Treadmaster marine epoxy adhesive.

Colour	Diamond Pattern	Smooth Pattern
Blue	91800	91810
Fawn	91801	91811
Light Blue	91802	91812
Light Grey	91803	91813
Grey	91804	91814
White	91805	91815
Black	91806	

Treadmaster Step Pads 275mm X 135mm

Self adhesive pads sold in packs of two.

Colour	Diamond Pattern	Smooth Pattern
Blue	91821	91851
Fawn	91823	91853
Light Blue	91824	91854
Light Grey	91825	91855
Grey	91822	91852
White	91820	91850

Treadmaster Step Pads 550mm X 135mm

Self adhesive pads sold in packs of two.

Colour	Diamond Pattern	Smooth Pattern
Blue	91831	91861
Fawn	91833	91863
Light Blue	91834	91864
Light Grey	91835	91865
Grey	91832	91862
White	91830	91860

Treadmaster Step Pads 412mm X 203mm

Self adhesive pads sold in packs of two.

Colour	Diamond Pattern	Smooth Pattern
Blue	91841	91871
Fawn	91843	91873
Light Blue	91844	91874
Light Grey	91845	91875
Grey	91842	91872
White	91840	91870

Smooth – Blue

Diamond – Blue

Smooth – Fawn

Diamond – Fawn

Smooth – Light Blue
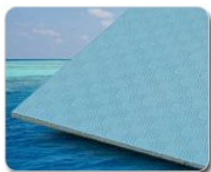
Diamond – Light Blue

Smooth - Light Grey

Diamond – Light Grey
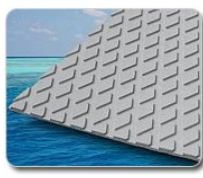
Smooth - Grey

Diamond – Grey

Smooth - White

Diamond – White

Marine Epoxy Adhesive - 600grams

This two pack epoxy adhesive is designed to provide the ultimate in bonding performance. Ideal for use on a wide range of deck materials, it provides a bond which is suitable for the most arduous of conditions. Full instructions are on the can. Coverage Approx. 2 Sheets (1200mm x 900mm)

Part No
91880

Contract

These terms and conditions, together with any other conditions specified in Seaware's website, invoices and price lists, form the entire contract between Seaware (hereinafter referred to as 'the Company') and the Customer and all items supplied by the Company are subject to these terms and conditions. For the avoidance of doubt, the Company shall not be bound by any terms or conditions set out in the Customer's order and these conditions of sale shall supersede and prevail over any other terms and conditions stipulated or referred to by the customer.

Prices

Unless otherwise expressly agreed in writing by us, all quotations, prices and conditions are subject to revision without notice. The Company reserves the right to increase prices at any time prior to acceptance of any order placed.

Delivery

All goods are sent by 1st class post where possible, at a cost of £3.95 + VAT, otherwise they will be sent via Fedex for an overnight delivery (excluding Saturday, Sunday and Bank Holidays). The cost of this service is a flat rate of £8.95 + VAT, for orders up to 20kg. Please note that dangerous goods (eg. paints, resins, liquids etc) cannot be sent by 1st class post. Shipping to areas such as the Scottish Highlands (above Glasgow), Offshore Islands & Overseas will be charged at cost. Please contact us for carriage charges. Free Shipping is applied when goods are purchased at the value of £150 (ex VAT). This free shipping is only applicable to the mainland UK. Orders dispatched by other means at the Customer's request will be charged at cost. Delivery of heavy items (chain, bulk anodes, bulk paint etc) will be charged at cost. Any delivery date is not guaranteed, however delivery shall be made within a reasonable period taking into account all circumstances affecting such delivery. The Company will not be responsible for late delivery beyond our control. Shortages must be notified within three days of arrival. The Company shall not be liable for any damage which occurs to goods in transit, other than in the Company's own transit, and Customers are advised to seek redress with the carriers involved. For the avoidance of any doubt, any insurance risk will pass to the Customer on delivery.

Terms of Payment

Payments by Trade Account Customers shall be made in full to the Company by the 20th of the month following the date of invoice (by Bacs if possible). Failure to pay by this date will result in your account being placed on 'stop' and no further orders will be able to be placed, until it is paid in full. All payments shall be made strictly in accordance with the terms of Contract without deduction and the Customer agrees not to withhold or defer payment of any sums by virtue of any claim made by him against the Company. Credit cards are not acceptable methods of payment for Trade Account Customers. No general property or equitable interest in goods supplied by the Company to the Customer, hereinafter called "the contract goods", shall pass to the Customer until such time as the price of the contract goods and all other monies (if any) due from the Customer to the Company in respect of the contract goods or under any other contract between the Company and the Customer shall have been paid to the Company in full. In the event of payment on any invoice remaining outstanding for more than 30 days, interest shall be charged thereon at a rate of 2% above the base rate of HSBC, per month, or part month, of which the payment remains outstanding. VAT is chargeable on all business EU sales unless a VAT number and two letter country code is provided with the order.

Claims

The Company will not accept liability for any claims, howsoever arising, unless it has received written notice of the claim within three days of the Customer receiving the goods. The Company cannot be held responsible for errors in typing, description, illustration or specification which are intended only as a guide.

Returns

Goods may be returned for a full refund within 30 days, at the buyer's expense, accompanied with the original invoice. Items must be in a re-saleable condition, with all packaging intact. In some cases a 15% restocking charge may be made unless otherwise agreed. Damaged goods/packaging cannot be accepted. The Company will, at its option, either repair free of charge, or replace free of charge, any product which is found to the satisfaction of the Company to be defective as a result of faulty design, manufacture or workmanship provided that:

1. The products are returned, properly packaged, with a copy of the original invoice, within 30 days from the date of delivery. If we originally delivered the item by van we will collect it (but please ring us to arrange this first), or the Customer can drop it into the office or, if the Customer wishes to post it back, we will refund the postage.

2. Where the products are made to the Customer's specification, the defects are not as a result of errors in such specification.

3. The products have not been modified in any way by the Customer; and

4. The products have not been used for any purpose other than that for which they were designed or otherwise mis-used. Suitability for application is the responsibility of the Customer.

Repaired or replaced goods will be returned free of charge.

Special Orders

Orders for non-stock items must be confirmed in writing by the Customer and are non-cancellable. The Company cannot accept the return of items specially ordered.

Aluminium

LM5 is the principle aluminium alloy used on boats due to its high resistance to corrosion from sea water or marine atmospheres. It is excellent for producing castings required to exhibit and maintain a surface of high polish and is easily anodised.

Name	Designation	Alloy Elements	Uses
-	LM5	Al 95%, Mg 5%	Corrosion resistant castings

Brass

Brasses are alloys of copper and zinc (generally 5 to 40%), and may contain small amounts of other alloying elements. Most are available in a range of forms and can be fabricated by casting, forging, stamping, rolling, extrusion and machining.

They fall into two classes, the alpha alloys with less than 37% zinc which are ductile and can be cold worked and the alpha/beta or duplex alloys which are harder and stronger with limited cold ductility. Lead can be added as an alloying element resulting in a brass that can be rapidly machined and produces minimal tool wear. Additions of aluminium, iron and manganese to brass improve strength, whilst silicon additions improve wear resistance. Additions of tin or aluminium to either alpha or duplex brasses improves corrosion resistance in sea and brackish waters for applications such as propellers.

Name	Designation	Alloy Elements	Uses
Common Brass	CZ108	Cu 63%, Zn 37%	Interior fittings, screws
Naval Brass	CZ112	Cu 62%, Zn 37%, Sn 1%	Pre-war boat fittings
High Tensile Brass	CZ114	Cu 46.2%, Zn 37%, Mn 2%, Al 1.5%, Fe 1%, Pb 1.5%, Sn 0.8%	Snap shackles, propellers, winches
DZR Brass	CZ132	Cu 61%, Pb 2.8%, As 0.1%	Hull valves and skin fittings

Bronze

The term bronze originally described alloys with Tin as the only or principal alloying element. Modern day bronzes tend to be Copper alloys in which the major alloying element is not Nickel or Zinc.

The usual alloy for fasteners is silicon bronze. It has a very long working life (30 - 50 years in marine environment) due its superb resistance to corrosion.

Name	Designation	Alloy Elements	Uses
Aluminium Bronze	CA104	Cu 80%, Al 10%, Ni, 5% Fe 5%	High strength fittings
Phosphor Bronze	PB102	Cu 95%, Sn 5%, P 0.2%	Fabricated / wrought fittings
Silicon Bronze	CS101	Cu 96%, Si 3%, Mn 1%	Fastenings
Gunmetal	LG2	Cu 85%, Sn 5%, Pb 5%, Zn 5%	Cast hardware

Stainless Steel

Grade 304 is the standard "18/8" stainless; it is the most versatile and most widely used stainless steel, available in a wider range of products, forms and finishes than any other. It has excellent forming and welding characteristics. Grade 316 is the standard molybdenum-bearing grade, second in importance to 304 amongst the austenitic stainless steels. The molybdenum gives 316 better overall corrosion resistant properties than Grade 304, particularly higher resistance to pitting and crevice corrosion in chloride environments. 316 is usually regarded as the standard "marine grade stainless steel".

Name	Designation	Alloy Elements	Uses
'Standard'	304, A2	Fe, <0.8% C, 17.5-20% Cr, 8-11% Ni, <2% Mn, <1% Si, <0.045% P, <0.03% S	General Purpose
'Marine Grade'	316, A4	Fe, <0.03% C, 16-18.5% Cr, 10-14% Ni, 2-3% Mo, <2% Mn, <1% Si, <0.045% P, <0.03% S	Marine fittings & fastenings

Bronze Pipework Range

In recent years there has been a campaign to highlight the dangers of using inferior metals for skinfittings and associated equipment. Confusion exists over various types of metals including brass, gunmetal, bronze, DZR copper alloy, chromed nickel, DZR brass, and what is and is not approved by various authorities. Bronze is therefore one of, if not the best material to use for marine plumbing.

Manufactured to the European standard **CC491K**

One added benefit is that the bronze ball valves come with stainless steel handles, generally the first thing to corrode on more inferior products.

Corrosion Resistant Brass

The so-called dezincification resistant (DZR or DR) brasses, sometimes referred to as CR (corrosion resistant) brasses, are used where there is a large corrosion risk and where normal brasses do not meet the standards. Applications with high water temperatures, chlorides present, or deviating water qualities (soft water) play a role. DZR-brass is excellent in water boiler systems. This brass alloy must be produced with great care, with special attention placed on a balanced composition and proper production temperatures and parameters to avoid long-term failures.

Galvanic Corrosion

Galvanic corrosion is an electrochemical action of two dissimilar metals in the presence of an electrolyte and an electron conductive path. It occurs when dissimilar metals are in contact.

The natural differences in metal potentials produce galvanic differences, such as the galvanic series in sea water. If electrical contact is made between any two of these materials in the presence of an electrolyte, current must flow between them. The farther apart the metals are in the galvanic series, the greater the galvanic corrosion effect or rate will be. Metals or alloys at the upper end are noble while those at the lower end are active. The more active metal is the anode or the one that will corrode.

Control of galvanic corrosion is achieved by using metals closer to each other in the galvanic series or by electrically isolating metals from each other. Cathodic protection can also be used to control galvanic corrosion effects, the use of zinc anodes being a good example.

Galvanic Series in Seawater

Noble (least active) ➜ Anodic (Most Active)
18-8-3 Stainless steel, type 316 (passive)
Monel
18-8 Stainless steel, type 304 (passive)
Titanium
Silicon bronze
Copper
Aluminum bronze
Naval brass
18-8-3 Stainless steel, type 316 (active)
18-8 Stainless steel, type 304 (active)
Cast iron
Galvanized steel
Zinc
Magnesium

Fasteners for Fittings

Fitting Material	Suitable Fastenings	Unsuitable Fastenings
Galvanised	Galvanised or Stainless	Brass or Bronze
Aluminium	Stainless	Galvanised, Brass or Bronze
Brass	Brass or Bronze	Stainless
Bronze	Bronze or Stainless	Brass
Stainless	Stainless or Monel	Galvanised or brass