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# Fuel Tanks & Fittings

## Fuel Tanks

### Fuel Tanks - Eltex Polyethylene



37320

37332



37338 / 37339



Part No.	Capacity (Ltr)	Length (mm)	Width (mm)	Depth (mm)	Reserve (Ltr)	Weight (kg)
37320	12	410	260	190	1	1.3
37332	27	500	390	390	2	2.2
37338	Optional Fuel Tank Gauge & Cap 160mm to suit 37320					
37339	Optional Fuel Tank Gauge & Cap 200mm to suit 37322 & 37331					

- Complete with pick up tube.
- Vented cap.
- Horizontal or vertical installation.
- Italian made quality.

### Fuel Tanks - Economical Portable Polyethylene



Clear strip to measure fuel levels



Fuel Tank Gauge & Cap



NEW ENTRY

Part No.	Capacity (Ltr)	Length (mm)	Width (mm)	Depth (mm)	Reserve (Ltr)	Weight (kg)	Fuel Tank Gauge & Cap
37331	24	470	330	230	3	2.1	No
37331-BULK	24Ltr Polyethylene Fuel Tank (No Gauge & Cap) - 5 Pack						
37333	24	470	330	230	3	2.1	Yes

- Economical and robust polyethylene portable fuel tank.
- Carry handle and nylon fuel pick-up.
- Fuel measurer on the side of tank for quick reference.
- Vented fuel cap.
- 0.3 bar of max pressure.
- Suits 8mm hose.
- Italian made quality.
- Complies with Australian Standard AS/NZS 2906:2001.

NOTE: Not suitable for diesel or commercial use.

### Fuel Tanks - Portable Polyethylene



Part No.	Capacity (Ltr)	Length (mm)	Width (mm)	*Depth (mm)	Handles	Weight (kg)
37358	40	500	400	280	2	4
37360	50	650	400	280	2	5
37361	65	800	400	280	2	6

- These tanks are made with high density polyethylene plastic, suitable for petrol or diesel.
- Features include a removable inspection port hole, vented cap, stepped 3/4"-5/8" tail for external breather, 10mm tail for fuel hose, blanked 1/4" BSP terminal for a second fuel pickup or diesel return and provision for a 5 hole fuel sender or gauge.
- Italian made quality.
- ISO 21487 CE certification.

\*NOTE: Tank dimensions exclude fittings (30mm).

### Fuel Tanks - Low Profile Polyethylene



Part No.	Capacity (Ltr)	Length (mm)	Width (mm)	*Depth (mm)	Weight (kg)
37342	41	650	390	200	4.5
37344	54	850	390	200	6.5
37346	61	950	390	200	7.5
37347	67	1050	390	200	8.5
37350	83	850	390	290	7
37352	103	1050	390	290	9

- These tanks are made with high density polyethylene plastic, suitable for petrol or diesel.
- Features include a removable inspection port hole, vented cap, stepped 3/4"-5/8" tail for external breather, 10mm tail for fuel hose, blanked 1/4" BSP terminal for a second fuel pickup or diesel return and provision for a 5 hole fuel sender or gauge.
- ISO 21487 CE certification.

\*NOTE: Tank dimensions exclude fittings (30mm).



## Fuel Tanks - Polyethylene

Part No.	Capacity (Ltr)	Length (mm)	Width (mm)	*Depth (mm)	Weight (kg)
37353	33	500	350	230	3
37354	43	650	350	230	4.3
37383	62	650	300	400	5
37384	91	915	300	400	7
37385	62	670	410	300	5
37386	91	900	410	300	7
37370	120	950	400	400	7.3
37374	140	1100	400	400	8.2

- These tanks are made with high density polyethylene plastic, suitable for petrol or diesel.
- Features include a removable inspection port hole, vented cap, stepped  $\frac{3}{4}$ "- $\frac{5}{8}$ " tail for external breather, 10mm tail for fuel hose, blanked  $\frac{1}{4}$ " BSP terminal for a second fuel pickup or diesel return and provision for a 5 hole fuel sender or gauge.
- ISO 21487 CE certification.

\*NOTE: Tank dimensions exclude fittings (30mm).



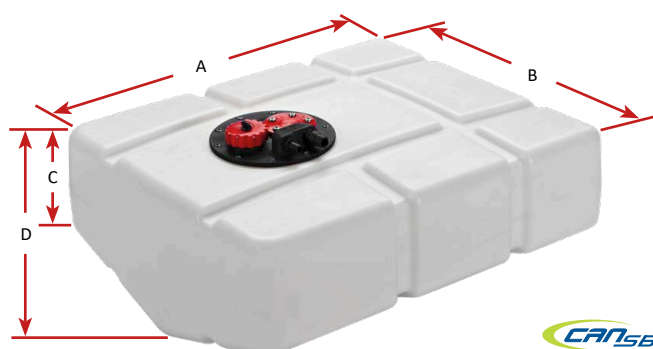
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Marine Plastics

## Fuel Tanks - Keel Polyethylene

Part No.	Capacity (Ltr)	Length (A) (mm)	Width (B) (mm)	Depth (C) (mm)	Depth (D) (mm)
37376	57	600	500	150	230
37378	86	1070	500	150	230

- These tanks are made with high density polyethylene plastic, suitable for petrol or diesel.
- Features include a removable inspection port hole, vented cap, stepped  $\frac{3}{4}$ "- $\frac{5}{8}$ " tail for external breather, 10mm tail for fuel hose, blanked  $\frac{1}{4}$ " BSP terminal for a second fuel pickup or diesel return and provision for a 5 hole fuel sender.
- ISO 21487 CE certification.

\*NOTE: Tank dimensions exclude fittings (30mm).



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Marine Plastics

## Tank Accessories

Part No.	Description
45275	Nylon Pumping Fittings 1- $\frac{1}{2}$ " BSP 90° Swivel Connector 38mm Tail
37336	Blue Cap with Vent
37337	Red Cap with Vent

NOTE: 45275 requires 85mm of clearance above the tank.



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Marine Plastics

## Fuel Gauges - 5 Hole Mechanical

Part No.	Suits Depth (mm)	Suits Tank
37390	200	37342 / 37344 / 37346 / 37347 / 37353 / 37354
37391	270	37358 / 37360 / 37361
37392	290	37350 / 37352
37393	400	37370 / 37374



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## Jerry Cans & Anti Foam Device

### Fuel Jerry Can - Polyethylene



Part No.	Capacity (Ltr)	Height (mm)	Length (mm)	Width (mm)	Colour	Weight (kg)
374005	5	260	265	145	Red	0.42
374010	10	375	265	145	Red	0.63
374020	20	380	370	220	Red	0.86

- These certified tanks are a useful and safe alternative to metal tanks and are suitable to hold any flammable liquids.
- They come complete with a one way funnel-trap that makes it easier to transfer from tank to tank.

NOTE: Supplied with screw on spout.



### Fuel Filler Device - Diesel



Part No.	Description	Hose Size	
		(in)	(mm)
29672	Anti Foam Filler Device	1-1/2"	38
		1-3/4"	50

- Connected directly to the deck filler.
- Avoids foam and fuel coming out while filling the tank.
- 2 x rubber adaptors with a hose clamp included.



## Fuel Tank / Fuel Line Fittings

### Fuel Fittings - Engine Side



Part No.	Description	Hose Tail I.D. (mm)	Motors
37300	Engine Side Fuel Fittings	10	Yamaha® / Mariner® / Mercury®
37301	Engine Side Fuel Fittings	8	OMC®



### Fuel Line Connectors - Female Plastic



Part No.	Description	Hose Tail I.D. (mm)	Diameter (mm)	Motors
37305	Female Fuel Line Connector	10	13	Honda® / Tohatsu® / Suzuki® / Nissan®
37306	Female Fuel Line Connector	10	12.5	Tohatsu®




- Viton Seal, plastic spheroidal head, suitable for all types of fuels.



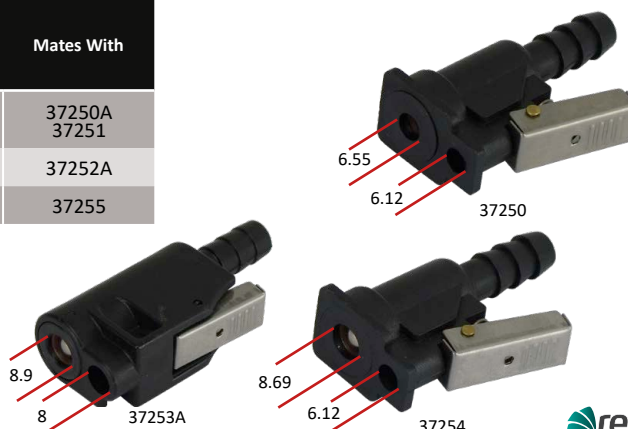





## Fuel Line Connectors - Female Plastic

Part No.	Motors	Hose Tail		Year	Mates With
		Barb (in)	Barb (mm)		
 37250	OMC® / Johnson® / Evinrude®	3/8"	9.5	Most	37250A 37251
 37253A	Mariner® / Mercury®	3/8"	9.5	1998-to date	37252A
 37254	Yamaha®	3/8"	9.5	1994-1998	37255

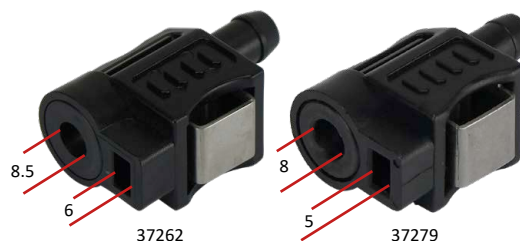
- Plastic body female connectors with stainless steel fittings.
- They quickly connect onto the brass tank fittings.



## Fuel Line Connectors - Female Plastic Motor End

Part No.	Description	Motors	Type	Hose Tail		Year
				Barb (in)	Barb (mm)	
 37262	Plastic Fuel Connector	Honda®	Standard	3/8"	9.5	2001-to date
37279	Deluxe Plastic Fuel Connector	Honda®	Premium	3/8"	9.5	2004-to date

- Plastic body female connectors with stainless steel fittings.



## Fuel Line Connectors - Deluxe

Part No.	Description	Hose Tail I.D. (mm)	Motors
37274	Deluxe Fuel Line Connector	10	OMC®
37275	Deluxe Fuel Line Connector	10	Yamaha®
37276	Deluxe Fuel Line Connector	10	Mercury®
37277	Deluxe Fuel Line Connector	10	Honda®

- The highest of quality fuel connectors.
- Viton Seal, plastic spheroidal head, suitable for all types of fuels.



## Fuel Tank Fittings - Tank

Part No.	Description	Connection Thread (in)	Motors
37303	Fuel Tank Fitting	1/4" BSP	Yamaha®
37304	Fuel Tank Fitting	1/4" BSP	Merc/Marin



## Fuel Line Connectors - Tank Twin

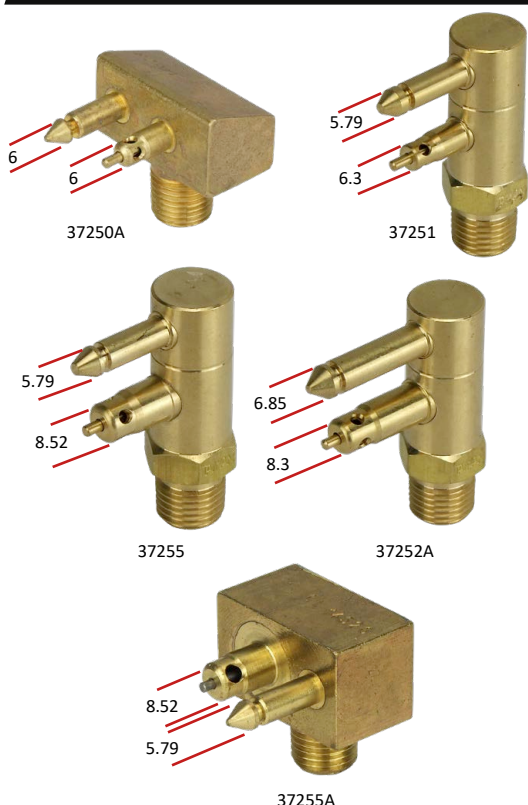
Part No.	Description	Hose Tail I.D. (mm)	Motors
37271	Twin Fuel Line Connector	8	OMC®
37272	Twin Fuel Line Connector	8	Mercury®
37273	Twin Fuel Line Connector	8	Yamaha®

- Twin fuel line fittings are valved, universal to standard engine specifications.
- These connections can be used in both, twin fuel tank / single engine or twin engine / single fuel tank with a single fuel line.



# Fuel Tank / Fuel Line Fittings

## Fuel Tank Connectors - Male Brass



Part No.	Motors	Hose Thread (in)	Year	Mates With
37250A	OMC® / Johnson® / Evinrude®	¼" NPT	Most	37250
37251	OMC® / Johnson® / Evinrude®	¼" NPT	Most	37250
37252A	Mercury®	¼" NPT	1999-to date	37253A
37255	Yamaha®	¼" NPT	1994-1998	37254
37255A	Yamaha® / Mariner® / Mercury®	¼" NPT	1994-1998	37254

- Brass male connectors.
- They quickly connect with the plastic fuel line connectors.

## Fuel Tank Connectors - Male



Part No.	Motors	Suits (HP)	Diameter (mm)	Hose Thread (in)	Suits Engine Year	Mates With
37257	Suzuki®	75 Up	13	¼" NPT	-	37256
37258	Honda®	90 Up	13	¼" NPT	2001-to date	37259
37267	Tohatsu®	90 Up	12.5	¼" NPT	1995-to date	37265
37267A	Tohatsu®	5-90	12.5	⅝" Barb	-	37265
37263	Chrysler® / Suzuki®	75 Down	11	¼" NPT	-	37260

- Chrome plated brass.
- 37267A - engine fitting.

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## Fuel Line Quick Connectors - Female



Part No.	Motors	Suits (HP)	Inside Diameter (mm)	Hose Tail		Suits Engine Year	Mates with
				Barb (in)	Barb (mm)		
37256	Suzuki®	75 Up	13	⅝"	8	-	37257
37259	Honda®	90 Up	13	⅝"	9.5	2001 to date	37258
37265	Tohatsu®	5-90	12.5	⅝"	9.5	1995 to date	37267 37267A
37260	Chrysler® / Suzuki®	75 Down	11	⅝"	8	-	37263

- Quick connect fuel line fittings with female bayonet quickly adapt onto male fuel tank fittings.
- Chrome plated brass.

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## Hose Tails - Male Brass Straight

Part No.	Thread (in)	Hose Tail	
		(in)	(mm)
37248	½" BSP	⅜"	9.5
37268	⅛" BSP	⅝"	8
37269	¼" NPT	⅜"	9.5
37270	¼" NPT	⅝"	8
37288	¼" NPT	½"	13
37293	⅜" BSP	⅝"	8
37294	⅜" BSP	⅜"	9.5

- Brass hose tails with male NPT style tapered thread and barbed hose tails.
- Designed for use with fuel filter heads and fuel tanks.



## Hose Tails End - Male Brass 90° with BSP Thread

Part No.	Thread (in)	Hose Tail	
		(in)	(mm)
37222	⅜" BSP	½"	13
37224	⅜" BSP	⅝"	16
37283	⅜" BSP	⅜"	9.5
37287	⅜" BSP	⅝"	8
37289	¼" BSP	⅜"	9.5
37299	¼" BSP	⅝"	8

- Brass hose tails with 90° bend.
- Features BSP tapered style thread and barbed hose tails.
- Suitable for use in tight fitting fuel line installations to eliminate bends and kinks in fuel lines.



## Fuel Valve - 3 Way

Part No.	Length (mm)	Width (mm)	Height (mm)	Hose Size (inch)
37341	76	40	80	¼" NPT (F)

- 3 way fuel-valve tank 1, off, tank 2.
- Suitable to connect 2 tanks to a single fuel line.
- ¼" NPT (F) fuel hose connection.
- 2 hole mounting flange.
- Brass.



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## Fuel Taps - Mini

Part No.	Size (in)	Pressure (PSI)
37220	¼" BSP (M) to (F)	150
37221	⅜" BSP (M) to (F)	150

- Chrome plated brass.



## Fuel Tank / Fuel Line Fittings

### Fuel Line Assembly - Premium



37196 - Bulb & hose without motor connectors



37197 / 37198



Part No.	Motors	Length (m)	Hose Size I.D. (mm)	
37196	Universal	2.5	8	
<b>NEW ENTRY</b> 37196-BULK	Fuel Line Universal - 6 Pack			
37197	OMC® / Johnson® / Evinrude®	2.5	8	
<b>NEW ENTRY</b> 37197-BULK	Fuel Line OMC® / Johnson® / Evinrude® - 6 Pack			
37198	Yamaha® / Mariner® / Mercury®	2.5	8	
<b>NEW ENTRY</b> 37198-BULK	Fuel Line Yamaha® / Mariner® / Mercury® - 6 Pack			

- Reinforced grey PVC, UV & petrol resistant with standard primer bulb & hose clamps.
- **37198** - Suits 1984-1998 Mercury® motors.

*NOTE: Not recommended for use with diesel or ethanol blended fuel.*

### Primer Bulb - Premium



Part No.	Description	Size	Hose Size (mm)	
37264	Premium Primer Bulb	Small	8	
<b>NEW ENTRY</b> 37264-BULK	Premium Primer Bulb Small - 20 Pack			
37266	Premium Primer Bulb	Large	10	
<b>NEW ENTRY</b> 37266-BULK	Premium Primer Bulb Large - 20 Pack			

- Flow rate of more than 100 litres per hour.
- UV stabilised.

### Fuel Line Assembly - Petrol or Diesel



Part No.	Motors	Length (m)	Hose Size I.D. (mm)	
500600	Universal	2	8	

- Recommended for 2 and 4 stroke engines and diesel engines.
- UV inhibitors protect bulb and line from sun damage.
- Kink-free performance.
- Double check valves in primer bulb.
- Stainless steel hose clamps.
- Premium quality - Made in Italy

Kit Includes:

- 1 x High Quality Bulb
- 2 x HD Zip Ties

### Primer Bulb - High Quality



Part No.	Description	Size	Hose Size (mm)	
500621	CEF® High Quality Primer Bulb	Large	8	

- Recommended for 2 and 4 stroke engines and diesel engines.
- Superior quality CEF® double valved fuel primer bulb.
- Includes heavy duty zip ties for securing hose to tails.
- Blister packed and ready for showroom display.





## Fuel Filter - Plastic Inline

Part No.	Description	Dimensions (mm)	Hose Size (mm)
<b>37443</b>	Inline Filter for Engines Max 1500 CC. Diesel	60 x Ø 18	6
<b>37440</b>	Inline Filter for Engines 90° Max 2000 CC. Diesel	92 x Ø 34	6-8
<b>37442</b>	Inline Filter for Engines Max 2000 CC. Diesel	100 x Ø 34	6-8
<b>37297</b>	Inline Filter for Engines Max 3500 CC. Diesel	200 x Ø 50	6-10

- Also suitable for 2 stroke fuel.



## Fuel Filter - Decanter Type

Part No.	Description
<b>37295</b>	Decanter Type Fuel Filter
<b>37298</b>	Pair of 8mm Swivel Hose Tails to suit <b>37295</b>
<b>37295E</b>	Nylon Filter Element

- Fuel decanter with nylon mesh & transparent bowl.
- Pressure cast light alloy body.
- Flow capacity 50 ltr/hour. For engines up to 2500 cc.
- Suitable for two stroke fuel.



## Fuel Filter - Lucas Type Agglomerator

Part No.	Description
<b>37280</b>	Lucas Type Agglomerator Fuel Filter Kit
<b>37281</b>	Swivel Tails to suit <b>37280</b> - 10mm - Sold in Pairs
<b>37282</b>	Swivel Tails to suit <b>37280</b> - 8mm - Sold in Pairs
<b>37285</b>	Straight Tails to suit <b>37280</b> - 8mm - Sold in Pairs
<b>37286</b>	Straight Tails to suit <b>37280</b> - 10mm - Sold in Pairs
<b>37290</b>	Replacement Element - Lucas Type
<b>37291</b>	Spare Clear Bowl to suit <b>37280</b>

- Single fuel filter with settling bowl and bleeding screw complete with interchangeable cartridge for engine max 3500cc.
- Suitable for efficient fuel filtration using paper element.
- Filters Petrol and Diesel, not suitable for 2 stroke.
- Pressure casted light alloy body. Max allowed flow 50 Ltr/hour.
- 1/4" NPT ports.
- **37280** - Includes 2 x blanking plugs, 1 x drain plugs, 1 bleed screw.



# 

## Bringing Filtration To A Whole New Level

### Installation:

With the "Smart Bowl" attached to the fuel filter, plug the connection cable to the bowl lead. Then mount the audible alarm in the appropriate position where the alarm can be heard. The black wire connects to the earth and the red wire to the positive via an ignition switch and fuse.

### Operation:

The "Smart Bowl" will activate through the ignition switch.

If water enters the system, it slowly gathers at the bottom of the "Smart Bowl". The Sensor detects when the water trap is approximately 70% full. The sensor will cause the alarm to continuously emit sounds. If this occurs, turn off the engine, ensure the ignition switch is off and extract the trapped water via the drain bung. **\*Do not take out the drain bung while the engine is running!**

Once the water is extracted, close and tighten the drain bung, switch on the ignition and "Smart Bowl", turn on the engine. The alarm should be silent.

### Cleaning - Maintenance:

Impurities contained in fuel may settle inside the bowl. Wipe out the bowl with a clean cloth during the time the fuel filter is being changed.

**NOTE:** Ensure ignition/power source is turned off while the "Smart Bowl" is removed for any reason.

### Safety:

Even though the system is powered by a 12 or 24 volt power supply, the electronic water detection voltage is very low to prevent any sparking. The electronic circuit is placed inside the lower half of the "Smart Bowl" in a sealed location to prevent exposure to water. The "Smart Bowl" is screwed onto a fuel filter, and is sealed with an O-ring.

**Warning! Do not use with Diesel Fuel**

## Fuel Filter - Smartbowl



Part No.	Volts	Active Power Consumption	Standby Power Consumption	Fuel	Dimensions (mm)	Capacity (ml)
37319	12/24	20-30mA	3-4mA	Petrol	790 x Ø 930	110

- Sensor activates at approximately 70% of the bowl's capacity after 60 seconds.
- Suits filters with a water trap bowl.
- Built-in electronic sensor device.
- Operating temperature range - (-20) - (+75) °C.
- Easy to install.
- Kit includes: 1 x Aluminium water collecting bowl.  
1 x Buzzer alarm.  
1 x Connecting cable - 4.3m.  
1 x Manual.

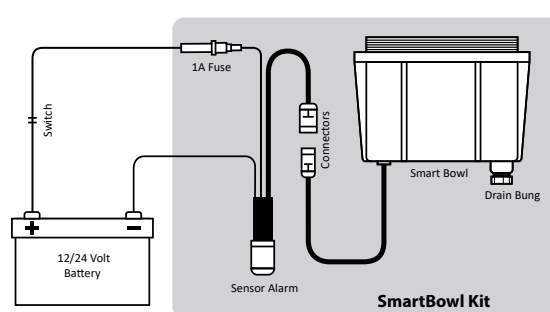
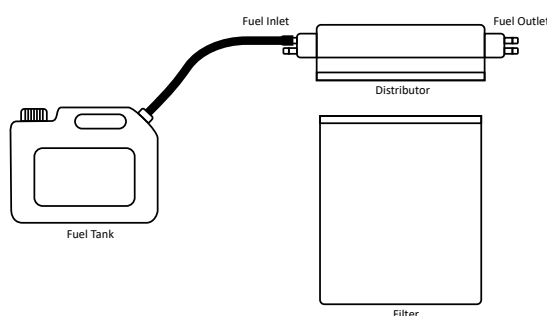
**NOTE:** Not suitable for diesel fuel.



Connecting Cable & Buzzer



Water Contamination Sensors





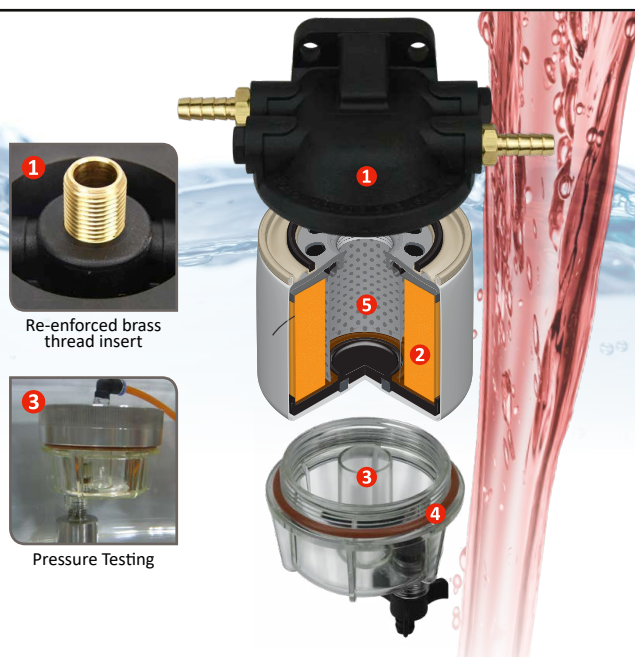


## Premium Fuel Filters

When it comes to water and fuel separation, Sam Allen Wholesale provides the best. Our filters are pressure tested to make sure they will work and keep on working within the harsh marine environment. Combining that with a 10 micron German engineered filter media, makes them one of the best filtration units available on the market.

Our filter elements suit Mercury®, Evinrude®/Johnson® and Honda® threads. Providing a filter for almost any make and model of marine engine, at a competitive price.

- 1 Anti-Corrosive Head**  
Fibreglass reinforced nylon multi-port head
- 2 German Filter**  
German manufactured high quality filter media 10 micron
- 3 100% Pressure Tested**  
Each Bowl is tested to 72.5 PSI (5 bar)
- 4 Vitron O-ring Seal**  
Long lasting leak proof Vitron seal
- 5 Long Service Life**  
For long lasting, reliable motor protection



## Fuel Filter - Premium Water Separating Kits

Part No.	Description	Motors	Thread Type / Size	Interchangeable With
37318	Complete Fuel Filter Kits with Clear Bowl	Racor® / Mercury®	1 1/16" 16 TPI	Racor® S3213, S3220 / Mercury® 35-809101 / Mercury® 35-60494-1
37318-BULK	Complete Fuel Filter Kits with Clear Bowl - 20 Pack		<b>NEW ENTRY</b>	
37316	Fuel Filter with Clear Bowl	Racor® / Mercury®	1 1/16" 16 TPI	Racor® S3213, S3220 / Mercury® 35-809101 / Mercury® 35-60494-1
37316-BULK	Fuel Filter with Clear Bowl - 20 Pack		<b>NEW ENTRY</b>	
37314	Fuel Filter Element Only (Mercury® Thread)	Racor® / Mercury®	1 1/16" 16 TPI	Racor® S3213, S3220 / Mercury® 35-809101 / Mercury® 35-60494-1
37314-BULK	Fuel Filter Element Only (Mercury® Thread) - 20 Pack		<b>NEW ENTRY</b>	
37640	Fuel Filter Element Only (OMC® Thread)	Sierra® / Racor® / Mercury® / OMC® / BRP®	1" 12 TPI	Sierra® 118-7920 / Racor® S3214 / Mercury® 35-886638 / OMC® / BRP® 771839
37640-BULK	Fuel Filter Element Only (OMC® Thread) - 20 Pack		<b>NEW ENTRY</b>	
37644	Fuel Filter Element Only (Honda® / Racor® Thread)	Sierra® / Racor® / Mercury® / Honda® / Suzuki®	1" 14 TPI	Sierra® 118-7948 / Racor® S3227 / Mercury® 35-886638 / Honda® 1760-ZW1-501AH / Suzuki® 99105-20005
37644-BULK	Fuel Filter Element Only (Honda® / Racor® Thread) - 20 Pack		<b>NEW ENTRY</b>	
37317	Clear Bowl Replacement to suit 37316			
37308A	Replacement Nylon Filter Head with Brass Fittings and Hose Clamps			

- 10 micron filter media, suitable for petrol and 2 stroke fuel, not suitable for diesel.
- Viton O-ring seal included.

**37318** - Complete fuel filter kit includes:

- Head with Mounting Bracket.
- 2 Brass Tails 3/8" BSP x 10mm.
- 2 x 3/8" BSP Brass Blanking Plugs.
- Element, Clear Bowl and Drain Plug.

**37308A**

- Filter Head with Mounting Bracket.
- 2 Brass Tails 3/8" BSP x 10mm.
- 2 x 3/8" BSP Brass Blanking Plugs.
- 2 Hose Clamps.

**NOTE:** 571 Loctite thread sealant or Permatex thread sealant are recommended for sealing of tails to filter heads.



37314

37640

37644



37318



37316



37308A



37317



## Fuel Filter Kits / Elements

### Fuel Filter Kits - Premium



37308



37312



37311



37308A

NEW  
ENTRY

Part No.	Description	Motors	Thread Type / Size	Interchangeable With
37308	Complete Fuel Filter Kits - White	Mercury® & Universal	1/4" 16 TPI	Mercury® 35-807172 & 35-60494-1
37311	Spin Off Filter Only - White	Mercury®	1/4" 16 TPI	Mercury® 35-60494-1 & 35-807172
37311-BULK	Spin Off Filter Only - White Mercury® - <b>36 Pack</b>			
37312	Spin Off Filter Only - White	OMC®	1" 12 UNF	OMC® 502905
37308A	Replacement Nylon Filter Head with Brass Fittings and Hose Clamps			

- Spin on filter removes 98.8% emulsified water and foreign particles as small as 10 microns.
- Suitable for petrol and 2 stroke fuel, not suitable for diesel.

#### 37308 - Fuel filter kit includes:

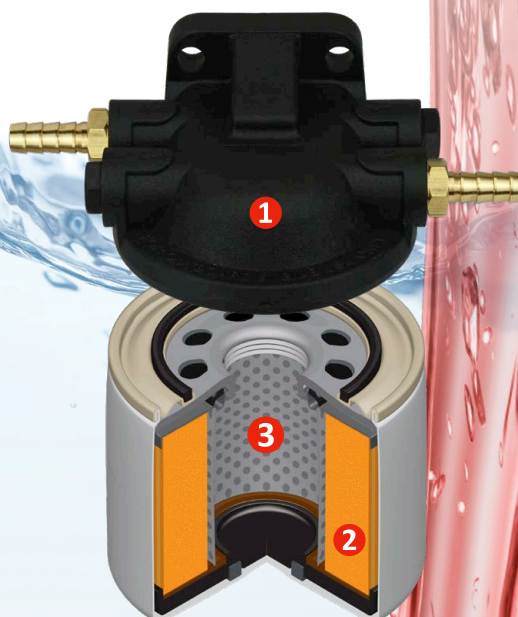
- Head with Mounting Bracket.
- 2 Brass Tails 3/8" BSP x 10mm.
- 2 x 3/8" BSP Brass Blanking Plugs.
- MERC Spin Off Filter.
- 2 x Hose Clamps.

#### 37309 - Fuel filter kit includes:

- Head with Mounting Bracket.
- 2 Brass Tails 3/8" BSP x 10mm.
- 2 x 3/8" BSP Brass Blanking Plugs.
- OMC Spin Off Filter.
- 2 x Hose Clamps.

*NOTE: 571 Loctite thread sealant or Permatex thread sealant are recommended for sealing of tails to filter heads.*

- 1 Anti-Corrosive Head**  
Fibreglass reinforced nylon multi-port head
- 2 German Filter**  
German manufactured high quality filter media 10 micron
- 3 Long Service Life**  
For long lasting, reliable motor protection







## Petrol Filter - Nano Series Griffin®

Part No.	Description	Fuel Port	Flow Rate (LPH / GPH)	Dimensions H x W x D (mm)	Temperature (°C)	Clean Pressure Drop (kPa)	Max. Pressure (PSI)	Cross Ref. / Element
374226	Fuel Filter Kit - Nano Complete 10 Micron	¼-18NPTF	180 / 47	166 x 81 x 81	-40 / +124	1.03	7	120R-RAC-01 / S3240
374227	Fuel Filter Element - Nano							53240



Outboard Engines Only

NEW ENTRY

NEW ENTRY

- For petrol outboard engines only.
- High performance (99.8%) water filtration efficiency.
- Anti-corrosive nylon head.
- Filtration blocks tiny solid contaminants to protect the engine.
- High capacity load and longer filter life.
- Enhance engine performance and reliability.
- Reduce fuel consumption.
- Reduces exhaust gas pollution making it more environmentally friendly.
- Clear bowl made from GRIFFIN® proprietary virgin USA plastic.



374227



374226



Anti-Corrosive Head



Element



High Grade Clear Bowl for Petrol Use

## Fuel Filter - High Flow Series Griffin®

Part No.	Description	Fuel Port	Flow Rate (LPH / GPH)	Dimensions H x W x D (mm)	Temperature (°C)	Clean Pressure Drop (kPa)	Max. Pressure (PSI)	Cross Ref. / Element
374228	Fuel Filter Kit - High Flow 340LPM	¾-18NPTF	340 / 90	280 x 106 x 114	-40 / +124	4.23	-	660R-RAC-01 / S3232
374229	Fuel Filter Element - High Flow							53232



Outboard Engines Only

NEW ENTRY

NEW ENTRY

- For petrol outboard engines only.
- High performance (99.8%) water filtration efficiency.
- Filtration blocks tiny solid contaminants to protect the engine.
- High capacity load and longer filter life.
- Enhance engine performance and reliability.
- Reduce fuel consumption.
- Reduces exhaust gas pollution making it more environmentally friendly.
- Clear bowl made from GRIFFIN® proprietary virgin USA plastic.



374229



374228





## Griffin are The Experts in Fuel Filter Water Separation!

### Griffin Filters

The GRIFFIN® group is a world-renowned manufacturer of products and services for the filtration industry, utilising proprietary technology developed from over 30 years of professional experience purifying petroleum-contaminated seawater.

In 2003, GRIFFIN® scientists developed MICROBLOC®, a revolutionary filtration technology, that is used exclusively in Griffin filtration systems. MICROBLOC® multigrade filtration media elements have tested to be 99.8% effective in separating water from diesel and biodiesel fuels and can remove solid contaminants as small as 2 microns in size.

**GRIFFIN® filters remove contaminants and separate water using a four stage process:**

#### **Centrifugal Stage:**

Larger solid contaminants and free water are separated.

#### **Coalescing Stage:**

Smaller water droplets and solid contaminants are filtered out by MICROBLOC® multigrade filtration media, causing them to coalesce together and fall into the collection bowl.

#### **MICRO Action I Stage:**

Micro-action filtration removes the smallest water droplets and solid contaminants from fuel.

#### **MICRO Action II Stage:**

A second micro action filtration ensures nearly 100% pure fuel filtration.

GRIFFIN® houses production lines for die casting, plastic injection and filtration product manufacturing. GRIFFIN® products include filter parts, filter elements, as well as completed filters and water separator systems. GRIFFIN®'s lab-tested filtration systems help save fuel, reduce maintenance costs, and prolong engine life.

**MICROBLOC®**  
TECHNOLOGY



# The Clear Advantage MICROBLOC® in Filtration!

**GRIFFIN® Fuel Filter / Water Separators are ideal for:**

- Marine engines.
- Power generators.
- Fuel storage polishing.
- Automotive engines.
- Construction / earth moving equipment.
- Agricultural / Forestry equipment.
- Biodiesel applications.
- Common rail engines.



## Key Features for MICROBLOC® Technology:

### 1. Separate Water From Fuel At 99.8% Efficiency

Water can cause injector nozzle and fuel pump corrosion, ending in equipment failure and downtime. Unfortunately, water vapour continuously condenses inside your fuel tank. Griffin Fuel Filter / Water Separators eliminate this worry by removing water and other contaminants from your fuel supply. All Griffin Fuel Filter / Water Separators use the same MICROBLOC® Multigrade Filtration Media technology. In moisture content tests conducted by Productivity and Standard Board (PSB), Singapore on fuel samples taken from a fuel filter / water separator employing MICROBLOC® Multigrade Media, 99.8% effectiveness of water removal was found to be achieved after 30 minutes of operation of the fuel filter / water separator (test report reference: 57S055941 dated 7 Dec 2005). For more details, please contact your product distributor or representative.

### 2. Remove Damaging Contaminants

Even small, nearly invisible particles can damage injectors and pumps, reducing fuel efficiency, robbing power, or worse. Each refuelling adds millions of tiny contaminants to your fuel system. MICROBLOC® filters protect your engine from solid contaminants by filtering particles down to 2 microns in size. Elements are available in 2, 10 and 30-micron ratings.

### 3. High Capacity

MICROBLOC® elements provide multi-layered filtration. Corrugated filtration media means more surface area to trap contaminants.

### 4. Longer Filter Life

MICROBLOC® elements don't need replacement as often as "will-fit" filter cartridges. MICROBLOC® filtration efficiency is up to 10 times greater than conventional media.

### 5. Built to Last

Griffin Fuel Filter / Water Separators are built to take on any filtration job. All Turbine Series filters are now available for marine use comes standard with S4 or S6 trim, Stainless Steel Hardware Equipped.

### 6. Easy To Replace

All MICROBLOC® replacement elements meet or exceed OEM specifications and are easy to replace without the use of special tools.

### 7. Enhance Engine Power

Griffin Fuel Filter / Water Separators enhance engine performance and reliability. You will feel your engine is more powerful and smoother after you install Griffin filters. Griffin filters will give your engine a longer life.

### 8. Reduce Fuel Consumption

A cleaner running engine runs more efficiently and uses less fuel. With current fuel prices, no one can afford dirty fuel and poor performance.

### 9. Environment-Friendly

Clean fuel means a cleaner exhaust. Griffin Filters reduce exhaust pollution more effectively than other similar products.

### 10. Best Performing, Most Cost-Effective Choice

Griffin Fuel Filter / Water Separators are the right choice for fuel filtration. Relying on research, science, and technology, rather than marketing hype, Griffin can offer products that meet and exceed the leading brands at a competitive price. Griffin filtration systems with MICROBLOC® are simply the best performing and most cost-effective choice for your filtration needs.



**MICROBLOC®**  
TECHNOLOGY



# Griffin® Diesel GTB228 Filter Kits / Elements

## Diesel Filter - Turbine Series GTB228 Griffin®



2 374104



10 374105



30 374106



374108



NEW ENTRY

Part No.	Description	Model
374100	Turbine Diesel Filter	GTB228

- Provides unsurpassed fuel filtration and water separation and is a direct replacement or substitution for the Racor 500MA.
- Uses genuine MICROBLOC® replacement elements.
- MICROBLOC® Multigrade Filtration Media Elements have tested to be 99.8% effective in separating water from diesel and biodiesel fuels and can remove solid contaminants as small as 2 microns in size, also in 10 and 30 micron sizes.
- Comes standard with a 10 micron GRIFFIN® MICROBLOC® element.
- Clear bowl made from GRIFFIN® proprietary virgin USA plastic.

NOTE: Hose fittings are sold separately.

Specifications	GTB228
Port Size	¾-16" UNF
Flow Rate (LPH / GPH)	228 / 60
Service Clearance (mm)	89
Dimensions H x W x D (mm)	275 x 120 x 125
Temperature (°C)	-20°C / +121°C
Clean Pressure Drop (kPa)	1.72
Max. Operating Pressure (kPa)	103
Cross Ref.	Racor 500MA
Micron Elements	2 374104 / 10 374105 / 30 374106
Clear Bowl for Gasoline Use	374108
Heat Deflector Shield	PHDS24MA
Net Weight (kg)	1.3

## Diesel Filter - Turbine Series GTB228DM Griffin®



2 374104



10 374105



30 374106



374108



NEW ENTRY

Part No.	Description	Model
374102	Turbine Diesel Filter Double Manifold	GTB228DM

- Provides unsurpassed fuel filtration and water separation and is a direct replacement or substitution for the Racor 75/500MAX.
- Uses genuine MICROBLOC® replacement elements.
- MICROBLOC® Multigrade Filtration Media Elements have tested to be 99.8% effective in separating water from diesel and biodiesel fuels and can remove solid contaminants as small as 2 microns in size, also in 10 and 30 micron sizes.
- Comes standard with a 10 micron GRIFFIN® MICROBLOC® element.
- Clear bowl made from GRIFFIN® proprietary virgin USA plastic.

NOTE: Hose fittings are sold separately.

Specifications	GTB228DM
Port Size	¾-14" UNF
Flow Rate (LPH / GPH)	454 / 120
Service Clearance (mm)	102
Dimensions H x W x D (mm)	275 x 476 x 230
Temperature (°C)	-20°C / +121°C
Clean Pressure Drop (kPa)	4.83
Max. Operating Pressure (kPa)	103
Cross Ref.	Racor 75/500MAX
Micron Elements	2 374104 / 10 374105 / 30 374106
Clear Bowl for Gasoline Use	374108
Heat Deflector Shield	PHDS24MA
Net Weight (kg)	7.1





## Griffin® Diesel GTB228 Filter Kits / Elements

### Diesel Filter Elements - Turbine Series GTB228 Griffin®

Part No.	Description	Model	Micron	Suits Model
374104	Diesel Filter Element	GTB22-2	2	GTB228
374105	Diesel Filter Element	GTB22-10	10	GTB228
374106	Diesel Filter Element	GTB22-30	30	GTB228



- Each element comes complete with new Filter Top to Element Housing gasket and new T-Handle O-ring.
- GTB22 elements fit the GRIFFIN® GTB228 series filters as well as Racor 500 series filters.
- All GRIFFIN® elements feature MICROBLOC® Multi-grade Filtration Media.
- Colour coded for easy identification.



### Diesel Filter Bowls - Turbine Series GTB228 Griffin®

Part No.	Description	Suits Model
374108	Diesel Filter Bowl Only	GTB228
374109	Diesel Filter Bowl with Drain	GTB228

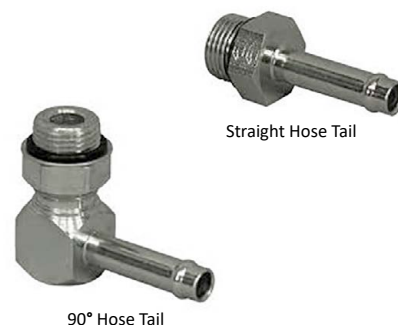


- Clear replacement bowl for the GRIFFIN® GTB228 turbine series fuel filter water separators.
- This bowl also fits the Racor 500 Series and is a compatible replacement for the Racor RK15279 replacement bowl.
- Clear bowl made from GRIFFIN® proprietary virgin USA plastic.



### Diesel Filter Hose Tails - Turbine Series GTB228 Griffin®

Part No.	Description	Angle	Hose Tail (mm)	Thread	Suits Model
374110	Hose Tail S/S suits Diesel Filters	Straight	10	¾ UNF	GTB228
374111	Hose Tail 90° S/S suits Diesel Filters	90°	10	¾ UNF	
374112	Hose Tail S/S suits Diesel Filters	Straight	13	¾ UNF	
374113	Hose Tail 90° S/S suits Diesel Filters	90°	13	¾ UNF	
374114	Hose Tail S/S suits Diesel Filters	Straight	16	¾ UNF	
374115	Hose Tail 90° S/S suits Diesel Filters	90°	16	¾ UNF	
374140	Hose Tail S/S suits Diesel Filters	Straight	10	¾ UNF	GTB228DM
374141	Hose Tail 90° S/S suits Diesel Filters	90°	10	¾ UNF	
374142	Hose Tail S/S suits Diesel Filters	Straight	13	¾ UNF	
374143	Hose Tail 90° S/S suits Diesel Filters	90°	13	¾ UNF	
374144	Hose Tail S/S suits Diesel Filters	Straight	16	¾ UNF	
374145	Hose Tail 90° S/S suits Diesel Filters	90°	16	¾ UNF	



- Sold as singles.

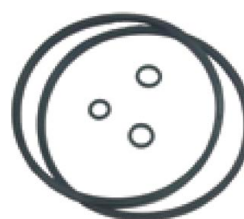


### Diesel Filter Service Kit - Turbine Series GTB228 Griffin®

Part No.	Description	Suits Model
374116	Diesel Filter Service Kit	GTB228



- Sealing service kit for GTB228.





## Griffin® Diesel GTB341 Filter Kits / Elements

### Diesel Filter - Turbine Series GTB341 Griffin®



2 374124



10 374125



30 374126



374138



NEW ENTRY

Part No.	Description	Model
374120	Turbine Diesel Filter	GTB341

- Provides unsurpassed fuel filtration and water separation and is a direct replacement or substitution for the Racor 900MA.
- Uses genuine MICROBLOC® replacement elements.
- MICROBLOC® Multigrade Filtration Media Elements have tested to be 99.8% effective in separating water from diesel and biodiesel fuels and can remove solid contaminants as small as 2 microns in size, also in 10 and 30 micron sizes.
- Comes standard with a 10 micron GRIFFIN® MICROBLOC® element.
- Clear bowl made from GRIFFIN® proprietary virgin USA plastic.

NOTE: Hose fittings are sold separately.

Specifications	GTB341
Port Size	¾-14" UNF
Flow Rate (LPH / GPH)	341 / 90
Service Clearance (mm)	127
Dimensions H x W x D (mm)	412 x 145 x 160
Temperature (°C)	-20°C / +121°C
Clean Pressure Drop (kPa)	2.4
Max. Operating Pressure (kPa)	103
Cross Ref.	Racor 900MA / G900S4MA
Micron Elements	2 374124 / 10 374125 / 30 374126
Clear Bowl for Gasoline Use	374138
Heat Deflector Shield	PHDS36MA
Net Weight (kg)	2.2

### Diesel Filter - Turbine Series GTB341DM Griffin®



2 374124



10 374125



30 374126



374138



NEW ENTRY

Part No.	Description	Model
374122	Turbine Diesel Filter Double Manifold	GTB341DM

- Provides unsurpassed fuel filtration and water separation and is a direct replacement or substitution for the Racor 75/900MAX.
- Uses genuine MICROBLOC® replacement elements.
- MICROBLOC® Multigrade Filtration Media Elements have tested to be 99.8% effective in separating water from diesel and biodiesel fuels and can remove solid contaminants as small as 2 microns in size, also in 10 and 30 micron sizes.
- Comes standard with a 10 micron GRIFFIN® MICROBLOC® element.
- Clear bowl made from GRIFFIN® proprietary virgin USA plastic.

NOTE: Hose fittings are sold separately.

Specifications	GTB341DM
Port Size	¾-14" UNF
Flow Rate (LPH / GPH)	681 / 180
Service Clearance (mm)	127
Dimensions H x W x D (mm)	412 x 476 x 279
Temperature (°C)	-20°C / +121°C
Clean Pressure Drop (kPa)	11.7
Max. Operating Pressure (kPa)	103
Cross Ref.	75/900MAX / G900DMS4-MA
Micron Elements	2 374124 / 10 374125 / 30 374126
Clear Bowl for Gasoline Use	374138
Heat Deflector Shield	PHDS36MA
Net Weight (kg)	10.6



## Griffin® Diesel GTB341 Filter Kits / Elements

### Diesel Filter Elements - Turbine Series GTB341 Griffin®

Part No.	Description	Model	Micron	Suits Model
374124	Diesel Filter Element	GTB34-2	2	GTB341
374125	Diesel Filter Element	GTB34-10	10	GTB341
374126	Diesel Filter Element	GTB34-30	30	GTB341

- Each element comes complete with new Filter Top to Element Housing gasket and new T-Handle O-ring.
- All GRIFFIN® elements feature MICROBLOC® Multi-grade Filtration Media.
- GTB34 elements fit the GRIFFIN® GTB341/G900 series filters as well as Racor 900 series filters.
- Colour coded for easy identification.



### Diesel Filter Bowls - Turbine Series GTB341

Part No.	Description	Suits Model
374138	Diesel Filter Bowl Only	GTB341
374139	Diesel Filter Bowl Only with Drain	GTB341

- This is a clear replacement bowl for the GRIFFIN® GTB341/GTB681 basic turbine series fuel filter water separators.
- This bowl also fits the Racor 900 Series and Racor 1000 Series and is a compatible replacement for the Racor RK11-1606 replacement bowl.
- Clear bowl made from GRIFFIN® proprietary virgin USA plastic.



### Diesel Filter Hose Tails - Turbine Series GTB341

Part No.	Description	Angle	Hose Tail (mm)	Thread	Suits Model
374140	Hose Tail S/S suits Diesel Filters	Straight	10	3/8 UNF	GTB341 / GTB341DM
374141	Hose Tail 90° S/S suits Diesel Filters	90°	10	3/8 UNF	
374142	Hose Tail S/S suits Diesel Filters	Straight	13	3/8 UNF	
374143	Hose Tail 90° S/S suits Diesel Filters	90°	13	3/8 UNF	
374144	Hose Tail S/S suits Diesel Filters	Straight	16	3/8 UNF	
374145	Hose Tail 90° S/S suits Diesel Filters	90°	16	3/8 UNF	

- Sold as singles.



### Diesel Filter Service Kit - Turbine Series GTB341

Part No.	Description	Suits Model
374146	Diesel Filter Service Kit	GTB341

- Sealing service kit for GTB341 / GTB681.



### Diesel Filter Pressure Gauge - Griffin®

Part No.	Description
374148	Diesel Filter Pressure Gauge
374149	Diesel Filter Pressure Gauge DM Double Manifold

- Fits all Turbine model filters, standard and marine.
- The kit comes complete with fluid filled gauge and adapter used to replace the T-Handle.
- Use this gauge to help you determine the optimal time to replace your dirty element.
- Kit comes with everything needed to install.







## Griffin® Diesel GTB681 Filter Kits / Elements

### Diesel Filter - Turbine Series GTB681 Griffin®



**NEW ENTRY**

Part No.	Description	Model
374130	Turbine Diesel Filter	GTB681

- Provides unsurpassed fuel filtration and water separation, and is comparable to the Racor Marine 1000 series filters.
- The GTB681 series filter use GRIFFIN® replacement element GTB68, formerly designated as G2020, in 3 micron sizes, 2, 10 and 30.
- Comes standard with a 10 micron GRIFFIN® MICROBLOC® element.
- Clear bowl made from GRIFFIN® proprietary virgin USA plastic.

NOTE: Hose fittings are sold separately.

Specifications	GTB681
Port Size	¾-14" UNF
Flow Rate (LPH / GPH)	681 / 180
Service Clearance (mm)	254
Dimensions H x W x D (mm)	535 x 147 x 165
Temperature (°C)	-20°C / +121°C
Clean Pressure Drop (kPa)	3.3
Max. Operating Pressure (kPa)	103
Cross Ref.	1000MA / G1000S4MA
Micron Elements	2 374134 / 10 374135 / 30 374136
Clear Bowl for Gasoline Use	374138
Heat Deflector Shield	PHDS36MA
Net Weight (kg)	2.9

### Diesel Filter - Turbine Series GTB681DM Griffin®



**NEW ENTRY**

Part No.	Description	Model
374132	Turbine Diesel Filter	GTB681DM

- Provides unsurpassed fuel filtration and water separation, and is comparable to the Racor Marine 1000 series filters.
- The GTB681 series filter use GRIFFIN® replacement element GTB68, formerly designated as G2020, in 3 micron sizes, 2, 10 and 30.
- Comes standard with a 10 micron GRIFFIN MICROBLOC® element.
- Clear bowl made from GRIFFIN® proprietary virgin USA plastic.

NOTE: Hose fittings are sold separately.

Specifications	GTB681DM
Port Size	¾-14" UNF
Flow Rate (LPH / GPH)	1363 / 360
Service Clearance (mm)	254
Dimensions H x W x D (mm)	542 x 476 x 253
Temperature (°C)	-20°C / +121°C
Clean Pressure Drop (kPa)	25.5
Max. Operating Pressure (kPa)	103
Cross Ref.	75/1000MAX / G1000DMS4-MA
Micron Elements	2 374134 / 10 374135 / 30 374136
Clear Bowl for Gasoline Use	374138
Heat Deflector Shield	PHDS36MA
Net Weight (kg)	12.8





## Griffin® Diesel GTB681 Filter Kits / Elements

### Diesel Filter Elements - Turbine Series GTB681 Griffin®

Part No.	Description	Model	Micron	Suits Model
374134	Diesel Filter Element	GTB68-2	2	GTB681
374135	Diesel Filter Element	GTB68-10	10	GTB681
374136	Diesel Filter Element	GTB68-30	30	GTB681

- Each element comes complete with new Filter Top to Element Housing gasket and new T-Handle O-ring.
- All GRIFFIN® elements feature MICROBLOC® Multi-grade Filtration Media.
- GTB68 elements fit the GRIFFIN® GTB681 / G1000 series filters as well as older style Racor 1000 series filters without the spring-loaded valve; will not work in the newer Racor 1000 series filters with the spring-loaded valve.
- Colour coded for easy identification.



### Diesel Filter Bowls - Turbine Series GTB681 Griffin®

Part No.	Description	Suits Model
374138	Diesel Filter Bowl Only	GTB681
374139	Diesel Filter Bowl Only with Drain	GTB681

- This is a clear replacement bowl for the GRIFFIN® GTB341/GTB681 basic turbine series fuel filter water separators.
- This bowl also fits the Racor 900 Series and Racor 1000 Series and is a compatible replacement for the Racor RK11-1606 replacement bowl.
- Clear bowl made from GRIFFIN® proprietary virgin USA plastic.



### Diesel Filter Hose Tails - Turbine Series GTB681 Griffin®

Part No.	Description	Angle	Hose Tail (mm)	Thread	Suits Model
374140	Hose Tail S/S suits Diesel Filters	Straight	10	7/8 UNF	GTB681 / GTB681DM
374141	Hose Tail 90° S/S suits Diesel Filters	90°	10	7/8 UNF	
374142	Hose Tail S/S suits Diesel Filters	Straight	13	7/8 UNF	
374143	Hose Tail 90° S/S suits Diesel Filters	90°	13	7/8 UNF	
374144	Hose Tail S/S suits Diesel Filters	Straight	16	7/8 UNF	
374145	Hose Tail 90° S/S suits Diesel Filters	90°	16	7/8 UNF	

- Sold as singles.



### Diesel Filter Service Kit - Turbine Series GTB681 Griffin®

Part No.	Description	Suits Model
374146	Diesel Filter Service Kit	GTB681

- Sealing service kit for GTB341 / GTB681.



### Diesel Filter Pressure Gauge - Griffin®

Part No.	Description
374148	Diesel Filter Pressure Gauge
374149	Diesel Filter Pressure Gauge DM Double Manifold

- Fits all Turbine model filters, standard and marine.
- The kit comes complete with fluid filled gauge and adapter used to replace the T-Handle.
- Use this gauge to help you determine the optimal time to replace your dirty element.
- Kit comes with everything needed to install.





## Griffin® Diesel GTB341 Stainless Steel Filter Kits / Elements

### Diesel Filter - Turbine Series GTB341DM-MAS Griffin®



**NEW ENTRY**

Part No.	Description	Model
<b>*374123</b>	Turbine Diesel Filter Double Manifold	GTB341DM-MAS

- Assembly and bowl are full stainless steel.
- Provides unsurpassed fuel filtration and water separation and is a direct replacement or substitution for the Racor 75/900MAM.
- Uses genuine MICROBLOC® replacement elements.
- MICROBLOC® Multigrade Filtration Media Elements have tested to be 99.8% effective in separating water from diesel and biodiesel fuels and can remove solid contaminants as small as 2 microns in size, also in 10 and 30 micron sizes.
- Comes standard with a 10 micron GRIFFIN® MICROBLOC® element.

NOTE: Hose fittings are sold separately

\*Supply to order only.

Specifications	GTB341DM-MAS
Port Size	7/8"-14" UNF
Flow Rate (LPH / GPH)	681 / 180
Service Clearance (mm)	127
Dimensions H x W x D (mm)	412 x 476 x 247
Temperature (°C)	-20°C / +121°C
Clean Pressure Drop (kPa)	11.7
Max. Operating Pressure (kPa)	103
Cross Ref.	75/900MAM
Micron Elements	2 374124 / 10 374125 / 30 374126
Net Weight (kg)	14

### Diesel Filter Elements - Turbine Series GTB341 Griffin®



**NEW ENTRY**

**NEW ENTRY**

**NEW ENTRY**

Part No.	Description	Model	Micron	Suits Model
<b>374124</b>	Diesel Filter Element	GTB34-2	2	GTB341
<b>374125</b>	Diesel Filter Element	GTB34-10	10	GTB341
<b>374126</b>	Diesel Filter Element	GTB34-30	30	GTB341

- Each element comes complete with new Filter Top to Element Housing gasket and new T-Handle O-ring.
- All GRIFFIN® elements feature MICROBLOC® Multi-Grade Filtration Media.
- GTB34 elements fit the GRIFFIN® GTB341/G900 series filters as well as Racor 900 series filters.
- Colour coded for easy identification.

### Diesel Filter Hose Tails - Turbine Series GTB341 Griffin®



**NEW ENTRY**

**NEW ENTRY**

**NEW ENTRY**

**NEW ENTRY**

**NEW ENTRY**

**NEW ENTRY**

Part No.	Description	Angle	Hose Tail (mm)	Thread	Suits Model
<b>374140</b>	Hose Tail S/S suits Diesel Filters	Straight	10	7/8 UNF	GTB341/ GTB341DM/ GTB341DM-MAS
<b>374141</b>	Hose Tail 90° S/S suits Diesel Filters	90°	10	7/8 UNF	
<b>374142</b>	Hose Tail S/S suits Diesel Filters	Straight	13	7/8 UNF	
<b>374143</b>	Hose Tail 90° S/S suits Diesel Filters	90°	13	7/8 UNF	
<b>374144</b>	Hose Tail S/S suits Diesel Filters	Straight	16	7/8 UNF	
<b>374145</b>	Hose Tail 90° S/S suits Diesel Filters	90°	16	7/8 UNF	

- Sold as singles.



## Griffin® Diesel GTB681 Stainless Steel Filter Kits / Elements

### Diesel Filter - Turbine Series GTB681DM-MAS Griffin®

Part No.	Description	Model
*374133	Turbine Diesel Filter	GTB681DM-MAS

NEW ENTRY



- Assembly and bowl are full stainless steel.
- Provides unsurpassed fuel filtration and water separation, and is comparable to the Racor Marine 75/1000MAM series filters.
- MICROBLOC® Multigrade Filtration Media Elements have tested to be 99.8% effective in separating water from diesel and biodiesel fuels and can remove solid contaminants as small as 2 microns in size, also in 10 and 30 micron sizes.
- Comes standard with a 10 micron GRIFFIN MICROBLOC® element.

NOTE: Hose fittings are sold separately

\*Supply to order only.

Specifications	GTB681DM-MAS
Port Size	7/8-14" UNF
Flow Rate (LPH / GPH)	1363 / 360
Service Clearance (mm)	254
Dimensions H x W x D (mm)	535 x 476 x 253
Temperature (°C)	-20°C / +121°C
Clean Pressure Drop (kPa)	25.5
Max. Operating Pressure (kPa)	103
Cross Ref.	75/1000MAM
Micron Elements	2 374134 / 10 374135 / 30 374136
Net Weight (kg)	16.8



### Diesel Filter Elements - Turbine Series GTB681 Griffin®

Part No.	Description	Model	Micron	Suits Model
374134	Diesel Filter Element	GTB68-2	2	GTB681
374135	Diesel Filter Element	GTB68-10	10	GTB681
374136	Diesel Filter Element	GTB68-30	30	GTB681

NEW ENTRY

NEW ENTRY

NEW ENTRY



- Each element comes complete with new Filter Top to Element Housing gasket and new T-Handle O-ring.
- All GRIFFIN® elements feature MICROBLOC® Multi-grade Filtration Media.
- GTB68 elements fit the GRIFFIN® GTB681 / G1000 series filters as well as older style Racor 1000 series filters without the spring-loaded valve; will not work in the newer Racor 1000 series filters with the spring-loaded valve.
- Colour coded for easy identification.



### Diesel Filter Hose Tails - Turbine Series GTB681 Griffin®

Part No.	Description	Angle	Hose Tail (mm)	Thread	Suits Model
374140	Hose Tail S/S suits Diesel Filters	Straight	10	7/8 UNF	GTB681/ GTB681DM/ GTB681DM-MAS
374141	Hose Tail 90° S/S suits Diesel Filters	90°	10	7/8 UNF	
374142	Hose Tail S/S suits Diesel Filters	Straight	13	7/8 UNF	
374143	Hose Tail 90° S/S suits Diesel Filters	90°	13	7/8 UNF	
374144	Hose Tail S/S suits Diesel Filters	Straight	16	7/8 UNF	
374145	Hose Tail 90° S/S suits Diesel Filters	90°	16	7/8 UNF	

NEW ENTRY

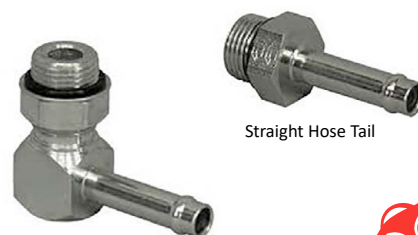
NEW ENTRY

NEW ENTRY

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NEW ENTRY



Straight Hose Tail

90° Hose Tail



- Sold as singles.





## Griffin® Diesel Mobile Filter / Recycler / Blender - GMS1362

### Mobile Filter / Recycler / Blender - GMS1362 Griffin®



**NEW ENTRY**

Part No.	Description	Model
374160	Mobile Filter / Recycler / Blender	GMS1362

- Provides mobile filter, recycler, blender fuel filtration and water separation.
- The GTB681 series filter use GRIFFIN® replacement element GTB68, formerly designated as G2020, in 3 micron sizes, 2, 10 and 30.
- Comes standard with a 10 micron GRIFFIN MICROBLOC® element.

Specifications	GMS1362
Port Size	½" NPT
Flow Rate (LPH / GPH)	681 / 180
Service Clearance (mm)	254
Dimensions H x W x D (mm)	1168 x 590 x 510
Temperature (°C)	-23°C / +82°C
Clean Pressure Drop (kPa)	10.2
Cross Ref.	800D-5REC-D
Micron Elements	② 374134 / ⑩ 374135 / ③① 374136
Net Weight (kg)	42

### Diesel Filter Elements - GMS1362 Griffin®



**NEW ENTRY**

**NEW ENTRY**

**NEW ENTRY**

Part No.	Description	Model	Micron	Suits Model
374134	Diesel Filter Element	GTB68-2	②	GMS1362
374135	Diesel Filter Element	GTB68-10	⑩	GMS1362
374136	Diesel Filter Element	GTB68-30	③①	GMS1362

- Each element comes complete with new Filter Top to Element Housing gasket and new T-Handle O-ring.
- All GRIFFIN® elements feature MICROBLOC® Multi-grade Filtration Media.
- GTB68 elements fit the GRIFFIN® GTB681 / G1000 series filters as well as older style Racor 1000 series filters without the spring-loaded valve; will not work in the newer Racor 1000 series filters with the spring-loaded valve.
- Colour coded for easy identification.





## Griffin® Diesel G57A Filter Kits / Elements

### Diesel Filter - Spin-On Series G57A Griffin®

Part No.	Description	Model
374150	Spin-On Diesel Filter	G57A



- GRIFFIN® Spin-on water/diesel separating filters with replaceable cartridge.
- The water-repellent filter element has 99.8% of effectiveness in separating water from diesel.
- Filtration efficiency is up to 10 times greater than conventional filters.
- GRIFFIN® filters with MICROBLOC technology are high capacity classified thanks to corrugated filtration media that means more surface area to trap contaminants.
- GRIFFIN® filters will give your engine longer life and reduced fuel consumption.
- Filter is base-equipped with a 30 micron cartridge.
- Can replace Racor Spin-on filters.

Specifications	G57A
Port Size	1/4" NPT / M14 x 1.5
Flow Rate (LPH / GPH)	57 / 15
Dimensions H x W (mm)	166 x 81
Initial Clean Drop (kPa)	1.3
Water Bowl	Yes
Cross Ref.	Racor 120A
Replacement Element	2 374152 / 10 374153 / 30 374154
Clear Bowl	PCB05-SP
Aluminium Head	PH101-SP
Net Weight (kg)	0.5



Aluminium Head



Element



High Grade Clear Bowl

### Diesel Micron Elements - Spin-On Series G57A Griffin®

Part No.	Description	Model	Micron	Suits Model
374152	Diesel Element	G5-2	2	G57A
374153	Diesel Element	G5-10	10	G57A
374154	Diesel Element	G5-30	30	G57A



- Griffin Spin-on filters interchangeable cartridge spares.



374152



374154



374153



## Fuel Breathers

### Fuel Breather Streamline - Chrome Plated



Part No.	Type	Hose Size (mm)	Cut Out Ø (mm)	Depth (mm)	Max Hull Thickness (mm)
29973	Straight	12	16	47	24

- Chrome plated.
- Mesh screen.

### Fuel Breather - Round Head - Stainless Steel



Part No.	Type	Head Ø (mm)	Hose Size (mm)	Cut Out Ø (mm)	Depth (mm)	Max Hull Thickness (mm)
29184U	90° Bend Up	24	13 - 16	18	55	17
29184	90° Bend Down	24	13 - 16	18	55	17
30974	Straight	24	16	18	57	17
29189	90° Bend Up	40	25	30	66	21

- 316G stainless steel.
- Stainless steel mesh screens.

### Fuel Breather 90° - Recess Mount - Stainless Steel



Part No.	Type	Hose Size (mm)	Cut Out Ø (mm)	Depth (mm)	Max Hull Thickness (mm)
30842	90° Bend Down	16	39	66	32
30843	90° Bend Up	16	39	66	32

- 316G stainless steel.
- Stainless steel mesh screens.

### Fuel Breather - Round Head



Part No.	Type	Head Ø (mm)	Hose Size (mm)	Cut Out Ø (mm)	Depth (mm)	Max Hull Thickness (mm)
29187	90° Bend Up	25	16	13	73	15
29221	Straight	24	16	16	43	16

- Mesh screens.
- Chrome plated.

### Fuel Breather 90° - Flush Mount



Part No.	Type	Hose Size (mm)	Cut Out Ø (mm)	Depth (mm)	Max Hull Thickness (mm)
29312	90°	16	26	72	10
29314	90°	19	26	72	13

- Chrome plated.



## Fuel Breather with P-Trap - Fuel Surge Protector

Part No.	Material	Mount	Colour	Hose Size (in)	Max Hull Thickness (in)	
29306	Polypropylene	Standard	Black	5/8"	9/16"	<b>NEW ENTRY</b>

- Eliminates the need to install a fuel line vent and a surge protector—now one product helps avoid fuel spills, provides fuel tank venting, and resists water intrusion into the fuel system.
- Operates in any orientation within 45° of vertical.
- Withstands oil, gas, alcohol-blended fuels.
- Meets ABYC Standard H-24.



**attwood**

## Fuel Breather with Water Trap 90° - Polypropylene

Part No.	Material	Type	Cap Colour	Hose Size (mm)	Cut Out Ø (mm)	Depth (mm)	Max Hull Thickness (mm)
29307	Polypropylene	90°	Black	16	19	76	16
29308	Polypropylene	90°	White	16	19	76	16
29305	Splash Guard - Black (outer rim 65mm, inside hole 18mm)						

- Designed as a low profile breather to prevent water from flowing into the fuel tank.
- Cover can be removed for tank inspection.
- P-traps allow air to vent freely during normal sea conditions and wash-downs and meet the ISO 10088 requirement for minimum venting area.
- Polypropylene.
- **29305** Splash guard provides a simple but effective solution to fuel spilling onto the side of your boat through the breather.

**NEW ENTRY**



29307



29308



29305

## Fuel Breather Streamline - Nylon

Part No.	Material	Type	Colour	Head Size (mm)	Hose Size (mm)	Cut Out Ø (mm)	Depth (mm)	Max Hull Thickness (mm)
29309	Nylon	Straight	Black	32 x 28	16	18	53	18

- Ideal for aluminium boats.
- Monel gauze flame arrestor.
- Nylon.



## Fuel Breather 90° - Plastic

Part No.	Material	Type	Colour	Hose Size (mm)	Cut Out Ø (mm)	Depth (mm)	Max Hull Thickness (mm)
29311	Plastic	90° Bend Up	White	17 / 19	33	65	25



**CAN SB**  
Marine Plastics

## Vent Filter - Fuel

Part No.	Description	Filter	Hose Size Ø (mm)	Dimensions Ø x H (mm)	
458904	Black Water/Fuel Tank Air Vent Filter	Carbon Filter	19 / 25	148 x 162	<b>NEW ENTRY</b>
458908	Replacement Carbon Filter suits 458904				

- This innovative design simplifies Black Water and Fuel Vent maintenance without needing to replace the entire unit.
- Active Carbon Filter is ideal for Black Water and Fuel vents.
- Transparent lid for easy inspection.
- Quick access for changing the Carbon filter.
- Detachable mounting bracket for easy installation and maintenance.
- Stepped tail suits hose diameters: Ø 19mm and Ø 25mm.
- **458904** - Includes Filter, Active Carbon Filter insert and mounting bracket.
- **458908** - Replacement Carbon Filter.



458904



458908

**CAN SB**  
Marine Plastics

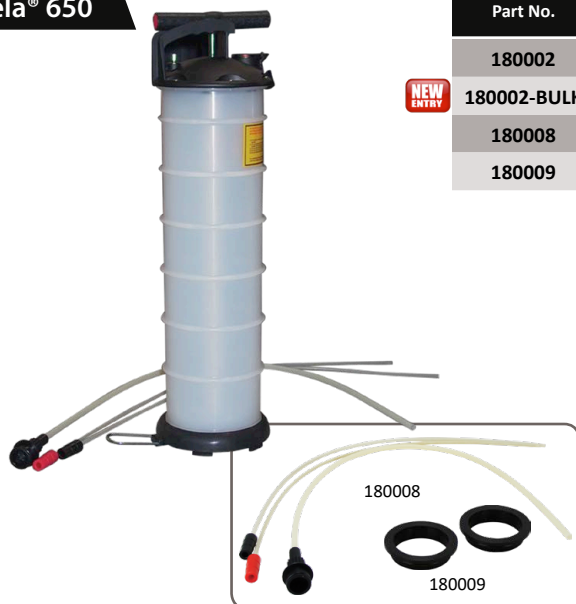




# Fluid Extractors Oil Extractor Pumps

## Oil Extractor Pump - 6.5 Litre

### Pela® 650



Part No.	Cylindrical Ø (mm)	Height (mm)	Tube Length (mm)	Tube Ø	Extension Tube (mm)	Capacity (ltr)
180002	160	635	1200	3/16" & 1/4"	1000	6.5
<b>NEW ENTRY</b> 180002-BULK	Oil Extractor Pump 6.5 Ltr - 4 Pack					
180008	Pela® 650 Oil Extractor Pump Seal / O-ring Kit					
180009	Pela® 650 Oil Extractor Pump Tube Set					

- A long time favourite among technicians because of its power and durability.
- Requires just 4 to 15 strokes in a row to create a powerful vacuum.
- The integrated container (6.5 litres) then neatly captures the oil preventing messy spills.
- Easily viewed calibrated wall measurement.
- A built-in float switch automatically stops extraction as soon as capacity is reached.
- A pour spout facilitates emptying.
- With the pump housed inside the container, the Big Pela® is a durable, maintenance free unit.

**NOTE:** Not for use with gasoline or other flammables.

## Oil Extractor Pump - 6 Litre

### Pela® Pro 14



Part No.	Cylindrical Diameter (mm)	Height (mm)	Tube Length (mm)	Tube Diameter	Capacity (ltr)
180004	220	648	1549	3/8" & 1/2"	14

- Designed to facilitate oil changes on boats with larger engines (inboards & 4-stroke outboards) as well as those with twin engines.
- Also ideal in the workshop for servicing small engine powered equipment, cars, motorcycles, industrial machinery.
- Just pump 20 to 25 times in a row to create a powerful vacuum.
- Easily viewed calibrated wall measurement.
- Automatic shut-off when full.

**NOTE:** Not for use with gasoline or other flammables.

### HOW TO USE PELA® 650 & PELA® PRO 14

1. Warm up the oil by running the engine. This will allow the contaminants to mix and to suspend in the oil. Remove the dipstick.  
**NOTE:** If you can't hold the dipstick comfortably in your hands, then the oil is too hot! Wait for the oil to cool off a bit.
2. Select and insert the appropriate diameter extraction tube into the dipstick pipe until it touches the bottom of the oil pan. Connect the main tube to the top of the unit and to the extraction tube.
3. Pump the handle 4 to 15 times in a row to start the vacuum. The unit will extract the oil automatically. Continuous pumping is not required.
4. After all the oil has been extracted, press the release valve located at the top of the unit for 5 seconds. Remove the main tube. When pouring the oil into a container, hold the pump as in the photo and pour gently. Do not hold it upside down. Bring the used oil to a recycling depot.




**NOTE:** No special cleaning is required on the unit. Just empty as much oil as possible (do not store oil long term).





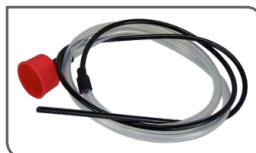


## Oil Extractor Pump - 2.5 Litre

Part No.	Container Ø (mm)	Height (mm)	Tube Length (mm)	Tube Probe Outside Ø	Clear Tube Outside Ø	Capacity (ltr)
 <b>180003</b>	180	445	1092	3/16"	3/8"	2.5
 <b>180003-BULK</b>	Oil Extractor Pump 2.5 Ltr - 8 Pack					




- It is ideal for oil changes on small 4-stroke outboard engines, lawn mowers, generators and other outdoor power equipment.
- Requires just 5 to 10 strokes to create a powerful vacuum.
- Oil is neatly captured inside the container.
- Easily viewed calibrated wall measurement.
- Pump is removable for compact storage.

**NOTE:** Not for use with gasoline or other flammables.



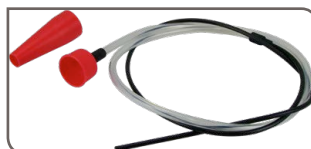
**Pela® 2000**

## Oil Extractor Pump - 6 Litre

Part No.	Container Ø (mm)	Height (mm)	Tube Length (mm)	Tube Probe Outside Ø	Clear Tube Outside Ø	Capacity (ltr)
 <b>180012</b>	230	546	1092	3/16"	3/8"	6
 <b>180012-BULK</b>	Oil Extractor Pump 6 Ltr - 4 Pack					
<b>180016</b>	Pela® 6000 Oil Extractor Pump Only					

- This unit is designed to vacuum fluids from inaccessible or confined areas.
- It is ideal for oil changes on boats, cars, motorcycles, outdoor power equipment and industrial machinery.
- Also handy to remove bilge water from boats or trapped water in plumbing systems.
- Requires just 10 to 20 strokes to create a powerful vacuum.
- Oil is neatly captured inside the container.
- Easily viewed calibrated wall measurement.
- Pump is removable for compact storage.

**NOTE:** Not for use with gasoline or other flammables.



**Pela® 6000**

### HOW TO USE PELA® 2000 & PELA® 6000

1. Warm up the oil by running the engine. This will allow the contaminants to mix and suspend in the oil. Remove the dipstick.  
*Note: If the dipstick can't be held comfortably in your hands, then the oil is too hot. Wait a bit!*  
Insert the extractor tube into the dipstick pipe until it reaches the bottom of the oil pan. Firmly place the tube cap onto the container.
2. Attach the pump to the top of the container.
3. Pump 10 to 20 times in a row to create the vacuum (5 to 10 times for PELA 2000). Always use 2 hands. The unit will automatically extract the old oil. Continuous pumping is not required.
4. To stop extraction at any time, pull the tube out of the fluid.
5. After all the oil has been extracted, remove the tube cap from the container with a twisting motion. Remove the pump. Empty gently into a container. Take the used oil to a recycling depot for disposal.

**NOTE:** No special cleaning is required on the unit. Just empty as much oil as possible.



## Sump Pump - Brass

Part No.	Description
<b>23084</b>	Brass Sump Pump



- A brass bodied engine oil pump with inlet dip hose and outlet dip hose.
- Internal rubber components are made from nitrile rubber.
- Extremely resilient and can withstand higher temperatures which is ideal for oil changes.



### Exhaust Hose - Rubber

Per Metre



Part No.	Inside Ø (in)	Thickness (mm)	Length (m)	Working Pressure (PSI)	Bending Radius (mm)	Weight (kg/per metre)	Suits Hose Clamp
76138	1-½"	4	20	45	38	0.88	764066
76140	1-¾"	4	20	45	40	0.92	764068
76145	1-¾"	4	20	45	45	1.10	764070
76151	2"	5	20	45	51	1.16	764070
76163	2-½"	5	20	45	63	1.60	764072
76176	3"	5	20	45	76	1.95	764074
76090	3-½"	5	20	45	90	2.50	764076
76102	4"	5	20	45	152	2.96	764076
76114	4-½"	6	20	45	175	3.30	764078
76152	6"	6	20	45	225	4.20	-

- Hardwall corrugated cover marine exhaust rubber hose.
- Temperature range: -30°C to +100°C.
- Tube: Smooth, marine exhaust and sea water resistant NBR rubber.
- Reinforcement: Double steel wire helix with high strength synthetic textile yarn.
- Surface: Corrugated fabric finished.
- Standards: **SAE J 2006:2003 R2 - ISO 13363:2004 Tipo 2 Class B.**
- Approved: **CE 0474.**

NOTE: Sold per meter.



### Radiator Hot Water Hoses

Per Metre



Part No.	Inside Ø (in)	Outside Ø (mm)	Length (m)	Working Pressure (PSI)	Burst Pressure (PSI)	Bending Radius (mm)	Weight (kg/per metre)	Suits Hose Clamp
76186	1"	34	20	150	375	45	0.60	764062
76188	1-¼"	41	20	150	375	60	0.72	764064
76190	1-½"	48	20	150	375	70	1	764066

- Hardwall smooth cover rubber hose suitable for conveying hot water and anti-freeze liquids in engines cooling systems.
- The structure ensures an exceptional flexibility.
- Temperature range: -40°C to +120°C.
- Tube: Smooth, heat and cooling liquids resistant EPDM rubber.
- Reinforcement: Steel wire helix with high strength synthetic textile plies.
- Cover: Abrasion, heat and ageing resistant EPDM rubber.
- Surface: Smooth and fabric finished.

NOTE: Sold per meter.



### Rubber Fuel Hose - Softwall

Per Roll



Part No.	Inside Ø (in)	Outside Ø (mm)	Length (m)	Working Pressure (PSI)	Burst Pressure (PSI)	Bending Radius (mm)	Weight (kg/per metre)	Suits Hose Clamp
76191	1-½"	49	20	150	450	45	0.97	764068
76192	2"	62	20	150	450	60	1.35	764072

- Softwall rubber hose suitable for loading of mineral oils, diesel and unleaded fuel.
- Temperature range: -30°C to 80°C.
- Tube: Smooth, petroleum products up to 50% aromatic content resistant NBR rubber.
- Reinforcement: high strength synthetic textile plies and anti static copper wire.
- Cover: Abrasion, fuels, oils and weathering resistant NBR/CR rubber.
- Surface: smooth fabric finished.

NOTE: Sold in rolls (no cut lengths).



## Rubber Fuel Hose

Part No.	Inside Ø (in)	Outside Ø (mm)	Length (m)	Burst Pressure (PSI)	Bending Radius (mm)	Weight (kg/per metre)	Suits Hose Clamp
76200	1-½"	48	20	150	60	1.05	764066
76202	2"	61	20	150	75	1.35	764070



Per Metre

- Hardwall corrugated cover rubber hose suitable for loading diesel, biodiesel and unleaded fuel.
- Temperature range: -30°C to +100°C.
- Tube: Smooth, petroleum products up to 50% aromatic content resistant NBR rubber.
- Reinforcement: double steel wire helix and high strength synthetic textile yarn.
- Cover: Abrasion, fuels, oils, heat and marine agents resistant, self-extinguishing CR/NBR rubber.
- Surface: corrugated fabric finished.
- Standards: **SAE J 1527: 2004 - USCG A1 R1 - ISO 7840: 2004 A1 CE.**
- Approved: **CE 0474.**

NOTE: Sold per meter.



## Rubber Fuel Hose - Ethanol Compatible

Part No.	Inside Ø (in)	Outside Ø (mm)	Length (m)	Burst Pressure (PSI)	Bending Radius (mm)	Weight (kg/per metre)	Suits Hose Clamp
76194	¼"	14	40	210	30	0.26	764052
76195	⅜"	16	40	210	45	0.27	764054
76196	½"	18	40	210	55	0.30	764054
76197	⅝"	21	40	150	70	0.43	764058
76198	¾"	25	40	150	90	0.50	764060
76199	1"	29	40	150	130	0.64	764062



Per Roll

- Softwall rubber hose suitable for loading diesel, biodiesel and unleaded fuel for marine pleasure craft inboard engines up to 24 mtr length.
- Temperature range is -20°C to 80°C.
- Tube: Smooth, petroleum products up to 50% aromatic content resistant NBR rubber, **suitable for 95-98 fuel.**
- Biodiesel and unleaded fuel up to 15% oxygenated compound resistant.
- Reinforcement: high strength synthetic textile yarn.
- Cover: Abrasion, fuels, ozone and marine agents resistant self-extinguishing NBR/CR rubber.
- Surface: smooth extruded.
- Standards: **SAE J 1527: 2004 - USCG A1 R1 - ISO 7840: 2013 A1 CE.**
- Approved: **CE 0474, NMMA.**
- 5 Year Warranty

NOTE: Sold in rolls (no cut lengths).



## Rubber Fuel Hose

Part No.	Inside Ø (in)	Outside Ø (mm)	Length (m)	Working Pressure (PSI)	Burst Pressure (PSI)	Bending Radius (mm)	Weight (kg/per metre)	Suits Hose Clamp
76306	¼"	12	50	150	450	50	0.12	764050
76308	⅜"	15	50	150	450	65	0.18	764052
76310	½"	17	50	150	450	80	0.21	764054
76313	⅝"	20	50	150	450	105	0.26	764054
76316	¾"	24	50	150	450	130	0.31	764058
76319	1"	27	50	150	450	150	0.40	764060

Per Roll

- Long length rubber hose suitable for loading of mineral oils, diesel and unleaded fuel.
- Temperature range: -35°C to +90°C.
- Tube: Smooth, petroleum product up to 40% aromatic NBR rubber, **suitable for 91-95 fuel.**
- Reinforcement: High strength synthetic textile yarn.
- Cover: Abrasion, fuels, oils and weathering resistant nitrile anti-static rubber.
- Surface: Smooth extruded.
- Made to ISO R1307.

NOTE: Sold in rolls (no cut lengths).





## Exhaust Outlet - Stainless Steel



Part No.	Flange (mm)	Inside Ø (mm)	Tail Outside Ø (mm)	Tail Length (mm)
76080	75	35	40	75
76081	75	40	45	75
76084	131	67	75	100
76085	131	73	90	110

- Cast 316G stainless steel.
- Rubber flap.
- 3 x 5mm threaded mount holes.

## Exhaust Guard - Rubber



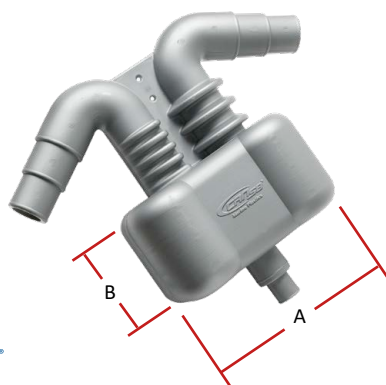
Part No.	Description	Inside Ø (mm)	Outside Ø (mm)
76218B	Rubber Exhaust Guard	60-80	90

- Rubber flap guard to prevent sea water flowing back into the exhaust system.
- Adjustable sizing, simply cut rubber flange to size & clamp to desired size with a hose clamp.

NOTE: Hose clamp not supplied.

## Waterlocks / Mufflers / Silencers / Syphons

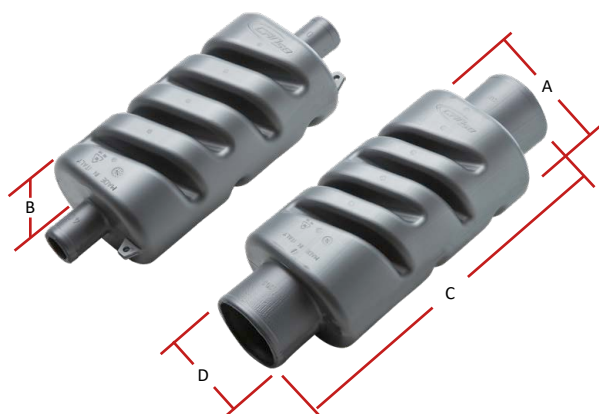
### Exhaust Gas / Water Separators



Part No.	A (mm)	B (mm)	Gas Inlet & Outlet Ø (mm)	Water Outlet Ø (mm)	Capacity (ltr)
45930	200	110	40-45-50	38-15	2.5
45929	260	160	40-45-50	38-15	4.5

- Exhaust gas and water separator for generators.
- Works as silencer and separator.

### Exhaust Silencers



Part No.	A (mm)	B (mm)	C (mm)	D Ø (mm)
45933	150	105	372	40
45934	150	105	372	45
45935	150	105	372	50
45936	150	105	372	60
45937	150	105	372	75
45938	183	135	460	90
45939	183	135	460	102

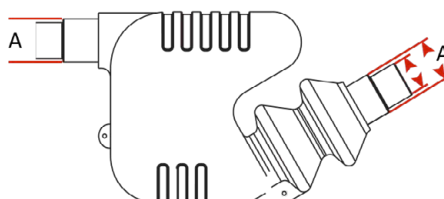
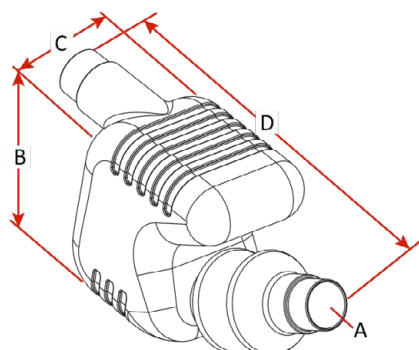
- The structure of the silencer, drastically reduces noise emissions.
- For use with wet exhaust.



## Exhaust Waterlock Silencers

Part No.	A (mm)	B (mm)	C (mm)	D (mm)	Capacity (ltr)	Weight (kg)
45921	55-60-65	320	220	660	20	2.8
45922	75-90	400	290	760	33	4.2
45924	100-115	400	290	760	33	4.2
45920	40.5-45.5-50.5	220	150	480	7	1.2

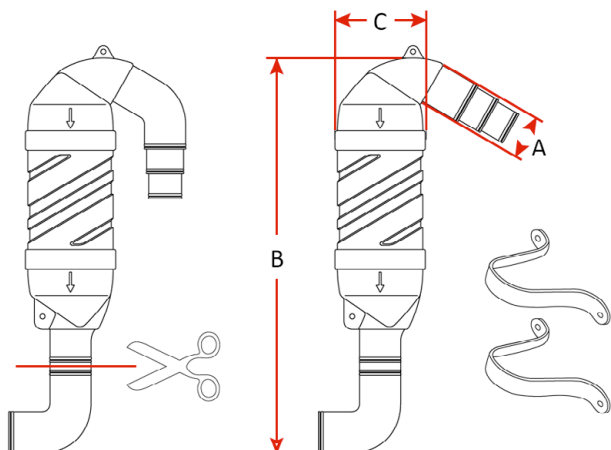
- For use with water injected exhaust systems.
- The inlet and outlet are multi-sized.
- Simply cut to your hose requirements.
- Quiet flow waterlock.



## Exhaust Anti Syphons

Part No.	A (mm)	B (mm)	C (mm)	Type	Weight (kg)
45926	40-45-50	480	110	180°	0.7
45928	40-45-50	480	110	135°	0.7

- Used in conjunction with quiet flow waterlock.
- The anti siphon is designed to prevent sea water entering into the exhaust system via the outlet.
- The anti siphon comes in two inlet angle configurations of 180° and 135°.
- The inlet has three hose sizes in one 40mm, 45mm & 50mm.
- The outlet comes in two angle configurations.
- Straight by simply cutting off the 90° bend or 90°, both are 50mm.



## Steering Grommet / Trim Rings / Slop Stopper

### Steering Grommets - Wire Type



Part No.	Model	Size	Height (mm)	Diameter Ø (mm)	Colour
83554	R1	Large	110	152	Black
83556	R2	Small	65	105	Black
83555	R4	Adjustable	68	105	Black
83558	-	Adjustable	90	155	Black

### Steering Grommets - Rapid



Part No.	Colour	Material	Diameter (mm)	Height (mm)
295092	Black	PVC	115	135

- Fit trim ring kit.
- It allows an easy replacement of a broken one, without detaching cables from the engines.
- You have to apply the clamps in the dedicated grooves, holding the grommet tightly on the rigid inner core, keeping its natural shape.
- Supplied with storage packaging.



### Steering Cable Bellows - CEF®



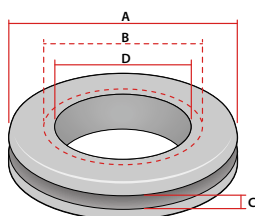
Part No.	Description	External (mm)	Hole (mm)
500535K	CEF® Steering Cable Bellows	Ø 38	Ø 24

### Trim Rings and Slop Stoppers



Part No.	Model	Shape	Outside Diameter A (mm)	Cut Out B (mm)	Cut Out Thickness C (mm)	I.D D (mm)	Colour
295082	Steering Grommet	Round	85	63	4	49	Black
295086	Panel Grommet / Trim Ring	Round	87	65	6.1	52	Black
295084	Panel Grommet / Trim Ring	Oval	135 x 83	120 x 60	4.5	100 x 46	Black
295087	Slop Stopper	Round	87	64.5	4.6	53	White
295088	Slop Stopper	Round	87	62.5	6.1	52	Black
295090	Slop Stopper	Oval	136 x 81	116 x 59	4.6	100 x 46	Black

- 295082 suits 50mm Rigging Hose (76266) for water tight fit.







## Rigging Hose - 32mm - Flange & End Cap

Part No.	Colour	Length (mm)	Hose I.D Ø (mm)	Flange Ø (mm)	Cut Out Ø (mm)
76252	Grey	100	32	60	50

- Protects outboard motor cables and wires against abrasion, dirt, salt corrosion and UV damage.
- This system makes the installation tidy and professional.
- Flange and End Cap included.



## Rigging Hose - 50mm & Flange

Part No.	Colour	Length (m)	Hose I.D Ø (mm)	Flange Ø (mm)	Cut Out Ø (mm)
76250	Black	1	50	102	71
76251	Black	1.5	50	102	71

- Protects outboard motor cables and wires against abrasion, dirt, salt corrosion and UV damage.
- This system makes the installation tidy and professional.
- UVS polyethylene conduit tubing.
- Heavy-duty hose is flexible and kink resistant.
- V2 rated UL 94A.
- Temperature range: -4°C to +66°C.
- Flange included.

NOTE: End Cap not included.



## Rigging Hose - 50mm

Part No.	Description	Colour	Length (m)	Hose I.D Ø (mm)
76266	50mm Rigging Hose	Black	15	50
76266-BULK	50mm Rigging Hose	Black	30	50

- Protects outboard motor cables and wires against abrasion, dirt, salt corrosion and UV damage.
- This system makes the installation tidy and professional.
- UVS polyethylene conduit tubing.
- Heavy-duty hose is flexible and kink resistant.
- V2 rated UL 94A.
- Temperature range: -4°C to +66°C.
- Suits 295082 Steering Grommet.

NOTE: 76266-BULK supplied in two 15 metre rolls.



## Rigging Hose - 50mm Accessories

Part No.	Description	Colour	Hose I.D Ø (mm)	Dimensions L x Ø (mm)
76253	Rigging Flange	Black	50	53 x 102
76272	Rigging Flange with 20mm Fuel Hose Port	Black	50	129 x 114
76270	Black Rigging Hose Union with 20mm Fuel Hose Port	Black	50	100 x 65
76254	50mm End Cap	Black	50	30 x 50

- Ideal for putting rigging hoses through transom/motor well.
- Internal thread to hold Rigging Hose in position.
- 76272 and 76270 provides entry point for fuel hose into rigging tube.
- Flange has 3 holes suit 6 gauge mounting screws.



76253



76272



76270

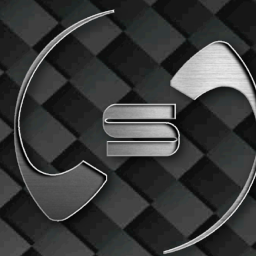


76254



# SE SPORT

## High Performance Hydrofoils



## Glide Through Water Like It's Air!

### SE Sport 200, 300 and 400 Hydrofoils

High Performance Hydrofoils streamlined for speed in three models. The **SE Sport** will improve handling and provide better manoeuvrability with a smoother ride. Features **Turbo Trac** to enhance thrust and control. The Crescent shaped surface quickly funnels water for more thrust and the quickest hole shot. Boats will plane sooner and keeps the boat on the plane at lower speeds. Saves on fuel by quicker planing and better stability. Reduces or eliminates the problem of porpoising and prop ventilation.



### SE Sport High Performance Hydrofoils 200



244200

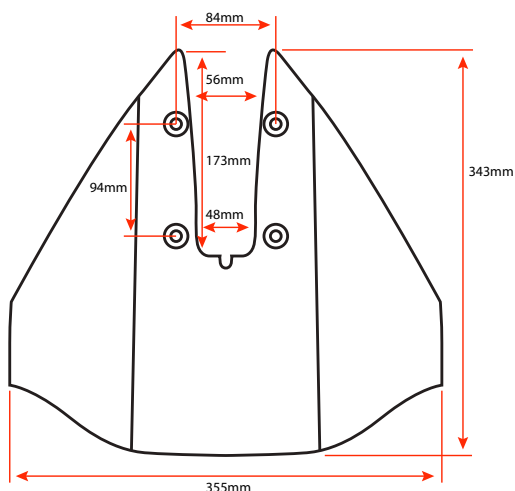
244202

**SE SPORT 200**  
High Performance Hydrofoils



Part No.	SE Sport	Colour	Installation	Suits Motor (Horse Power)	Overall Dimensions W x L (mm)
244200	200	Grey	Bolt-On	8 - 40	363 x 343
244202	200	Black	Bolt-On	8 - 40	363 x 343

- Reduces plane time dramatically.
- Narrower design with more surface area than most foils.
- Turbo Trac enhances thrust and control.
- Quick planing reduces fuel expense and increases safety.
- Reduces or eliminates porpoising, cavitation, chine walking and deep-V wander.
- Sleek shape complements today's new boat designs.
- One piece high strength engineering copolymer.
- Stainless steel hardware included.
- Manufacturer's lifetime warranty.

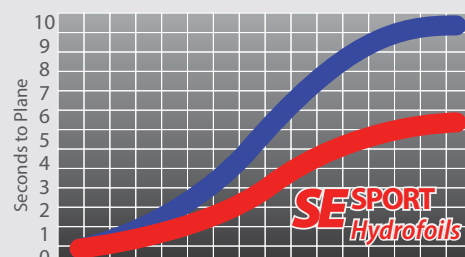


### "Leader in Performance 10 Years Running"

#### Rated Fastest!

There is no better way to improve the performance and fuel economy of your boat. Cutting your time to plane by as much as 50%.

Reducing your fuel costs!





## SE Sport High Performance Hydrofoils 300

	Part No.	SE Sport	Colour	Installation	Suits Motor (Horse Power)	Overall Dimensions W x L (mm)
	244206	300	Grey	Bolt-On	40 - 350	432 x 368
	244208	300	Black	Bolt-On	40 - 350	432 x 368
	244210	300	White	Bolt-On	40 - 350	432 x 368

- Reduces plane time dramatically.
- Narrower design with more surface area than most foils.
- Turbo Trac enhances thrust and control.
- Rated fastest in independent tests
- Quick planing reduces fuel expense and increases safety.
- Reduces or eliminates porpoising, cavitation, chine walking and deep-V wander.
- Sleek shape complements today's new boat designs.
- One piece high strength engineering copolymer.
- Stainless steel hardware included.
- Manufacturer's lifetime warranty.

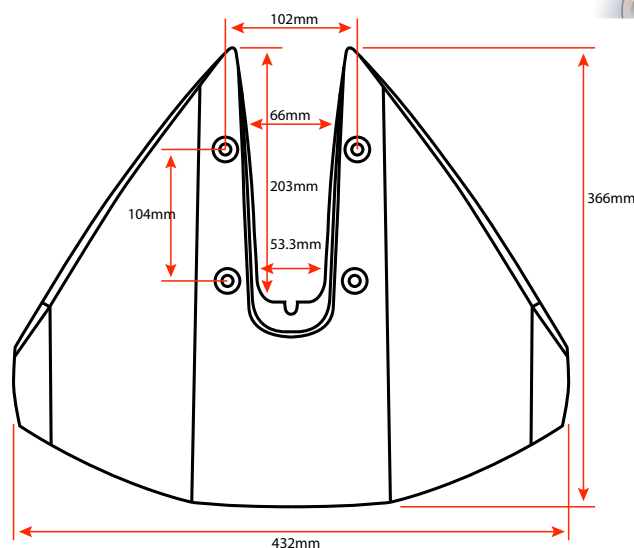


244206

244208



244210



**SE SPORT 300**  
High Performance Hydrofoils



## SE Sport High Performance Hydrofoils 400

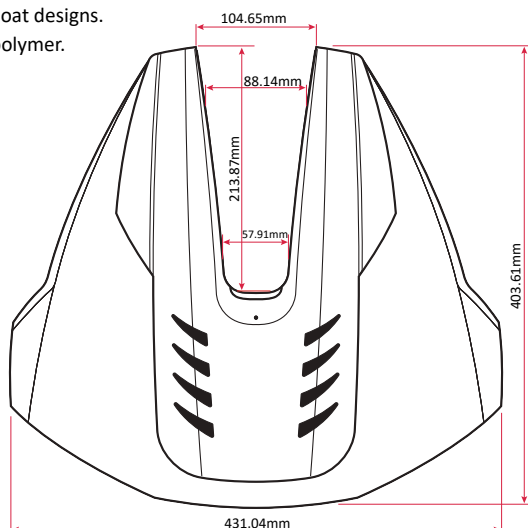
	Part No.	SE Sport	Colour	Installation	Suits Motor (Horse Power)	Overall Dimensions W x L (mm)
	244212	400	Grey	Disk-Grips	40 - 350	432 x 406
	244214	400	Black	Disk-Grips	40 - 350	432 x 406

- Reduces plane time dramatically.
- Narrower design with more surface area than most foils.
- Turbo Trac enhances thrust and control.
- Quick planing reduces fuel expense and increases safety.
- Reduces or eliminates porpoising, cavitation, chine walking and deep-V wander.
- Sleek shape complements today's new boat designs.
- One piece high strength engineering copolymer.
- Drill free or bolt on.
- Stainless steel hardware included.
- Manufacturer's lifetime warranty.



244212

244214



**SE SPORT 400**  
High Performance Hydrofoils





# Mac's® Engine Flush

## Marine Anti-Corrosion Flush System For Inboard & Outboard Motors



### MACS® ULTRAFILM: "Three-in-One" Cleans, Protects & Lubricates

**MACS® ULTRAFILM** is a patented formula specifically designed to protect most metal surfaces, both ferrous and non-ferrous from the corrosive effects of salt and fresh water minerals. Its complex mixture of corrosion inhibitors, lubricants, filming agents and oils provides a maintenance system that cleans insulating salt deposits and corrosion build up. It protects with a film of corrosion inhibitor and

lubricates moving parts, seals and water pumps, reducing repair bills and minimising the risk of motor failure.

**Directions** - Apply MACS® Ultrafilm internally to engine cooling systems using the MACS® Injector and your normal flush system. Apply to external metal surfaces with a spray applicator.



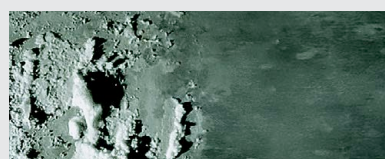
#### Why use MACS?

Marine experts know that straight water flushing does little to remove damaging salt corrosion. These salt deposits build up over time inside the motor and cause damage in two ways -

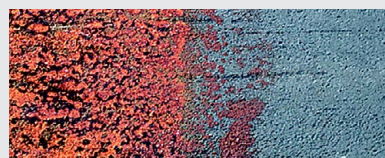
- Salt is deposited onto the cooling channel surfaces. Just like hard water mineral deposits on the interior of hot water cylinder pipes, the salt builds up. This insulates the cooling system, thereby reducing its efficiency resulting in possible overheating problems.
- Pitting corrosion occurs after the salt has broken the surface of the alloy and burrows into the actual motor block. Motor failure results when this process continues through to the cylinders or exterior.

In either case, the use of MACS® will drastically reduce these processes!

- Regular use of MACS® gently cleans harmful salt and corrosion deposits, even if the motor has never been flushed.
- After cleaning, a fine film of corrosion inhibitor is left behind on all surfaces and this protects from corrosive salt water.
- The film lubricates and protects moving parts in the water pump, including the impeller and thermostat.



This marine grade aluminium plate was exposed to salt water for two months. The right portion protected by MACS, the left portion unprotected.



This steel plate was exposed to fresh water for two months. The right portion protected by MACS, the left portion unprotected.

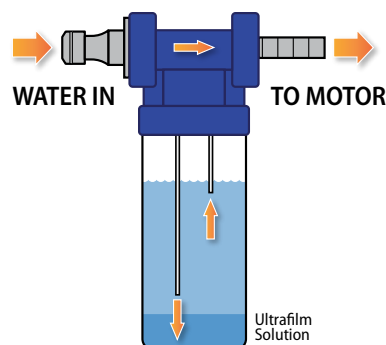
#### Instructions for using MACS

1. Connect the MACS® injector to a water hose and to the motor's flush hose intake (see image).
2. Turn on the water then start the motor. Run until the motor is warm and the thermostats are open.
3. With motor and water running, unscrew the injector bowl, discard the water and add the required volume of MACS® Ultrafilm® (see table below). Screw the bowl back on.
4. MACS® Ultrafilm will be fully injected into the motor within 30-60 seconds after which the solution cloudiness will be mostly gone.
5. Treatment is complete. No further flushing (before or after) is required.

#### Treat The Motor After Every Trip & At The Start Of Storage Periods.

For external protection, spray all exterior metal surfaces regularly with Ultrafilm.



Motor Size	Ultrafilm Volume
0-50HP or 1-4 cylinder	25ml
50-100HP or 6 cylinder	50ml
100+HP or 8 cylinder	75ml





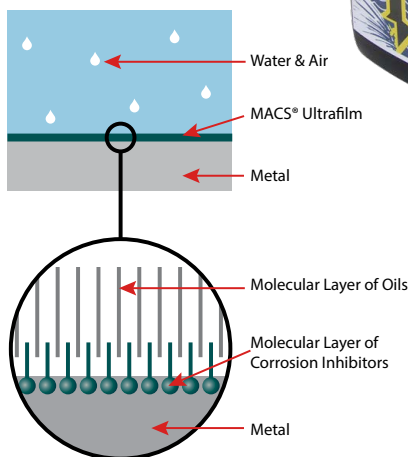
## Macs® Engine Flush Water Additive

### Macs® Ultrafilm Engine Flush Water Additive



Part No.	Description	Capacity (ltr)
 180402	Macs® Ultrafilm Flush Water Additive	1
 180404	Macs® Ultrafilm Flush Water Additive	4

- Macs® Ultrafilm is a patented formula specifically designed to protect most metal surfaces, both ferrous and non ferrous from the corrosive effects of salt and fresh water minerals.
- This complex formula of corrosion inhibitors, lubricants, filming agents and oils provides a maintenance system that cleans moving parts, seals and water pumps, reducing repair bills and minimising the risk of motor failure.
- A unique, cost effective, preventative maintenance system that inhibits corrosion and prolongs the life of your marine engine.
- Ideal for flushing in boards, outboards, stern drives and jet skis.
- To prevent salt and mineral damage inside your marine motor.
- Clears cooling channels.
- Removes sediments and buildup.
- Lubricates water pumps.
- Applies a protective Ultrafilm coat which protects from salt corrosion.

**Directions** - Apply MACS® Ultrafilm internally to engine cooling systems using the MACS® Injector and your normal flush system. Apply to external metal surfaces with a spray applicator.





### Macs® Salt-X Washdown Additive

Part No.	Description	Capacity (ltr)
 180420	Macs® Salt-X Engine Washdown Additive	1
 180424	Macs® Salt-X Engine Washdown Additive	4

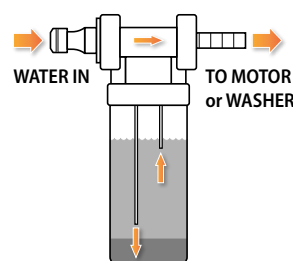
- Salt-X Hi-Tech concentrated additive designed to remove salt residue and stop salt corrosion in its tracks. Idea for flushing you inboard or outboard engine in environmentally sensitive areas close to water ways.
- Great for washing down boats, trailers, Jet skis, fishing tackle, 4x4's, SCUBA Gear and spear fishing gear. Treating your fishing lures, desalting sails and extending the life of your equipment.
- Hi-tech corrosion control for all gear exposed to salt water.
- Save thousands on repairs.
- Non-toxic biodegradable and environmentally safe.
- Non-oil based - water soluble.
- Concentrate: 1 litre makes 35 litres, use with MACS injector kit.



### Macs® Flush Injector Kit

Part No.	Description
 180452	Macs® Flush Injector Kit
 453123	3/4" x 3/4" BSP Male Straight connects to Outboard Flusher

- Works with MACS® Ultrafilm or Salt-X additives.
- Connect to ear muff style flusher or cooling system intake.
- Unlike simple venturi Injector systems, the MACS® Injector has two tubes, a long one for slow water feed and a short one for the uptake of premixed solution via the main water flow.
- The Injector works consistently in all water pressures, flow rates and motor sizes.
- The Injector is unaffected by back pressure
- Once assembled, the unit is water tight.
- Body is glass reinforced nylon.
- The clear polycarbonate bowl includes easy to read measurements.



# Outboard Accessories Outboard Flushers & Accessories



## Outboard Motor Flushers



37609

37610



37612



37614



37610 Packaging



Part No.	Arm Material	Overall Length (mm)	Cups Dimensions (mm)	Cups Shape
37609	Stainless Steel	255	110 x 82	Large Oval
37610	Black Epoxy Coated Spring Steel	279.4	Ø 90	Small Round
<b>NEW ENTRY</b> 37610-BULK	Black Epoxy Coated Spring Steel Small Round - 6 Pack			
37612	Black Epoxy Coated Spring Steel	290	110 x 82	Large Oval
37614	Black Epoxy Coated Spring Steel	350	130 x 84	Large Rectangular
<b>NEW ENTRY</b> 37614-BULK	Black Epoxy Coated Spring Steel Large Rectangular - 2 Pack			

- Black epoxy coated spring steel or stainless steel arm.
- Quick connect hose tail suits standard garden hose fittings.
- **37610** - Suits older style outboard motors.
- **37609**, **37612** and **37614** - Suits most outboard motors.



37614 In Use

## Outboard Motor Flushers - Deluxe Dual Inlet



37613

37615



Packaging



Part No.	Overall Length (mm)	Cups Dimensions (mm)	Cups Shape
37613	380	Ø 90	Small Round
<b>NEW ENTRY</b> 37613-BULK	Deluxe Outboard Motor Flushers Small Round - 6 Pack		
37615	418	130 x 84	Rectangular
<b>NEW ENTRY</b> 37615-BULK	Deluxe Outboard Motor Flushers Rectangular - 6 Pack		

- Flusher feeds water intakes from both sides for efficient water flow.
- Installs in seconds using standard garden hose connection.
- Suitable for most outboards and stern-drives with side water intakes.
- Large rectangle cups offer good intake coverage and reduced leakage.
- Suitable for larger horsepower engines.
- Great way to check your engine prior to boat trips.
- Regular flushing reduces metal corrosion and improves impeller life.



37615 In Use





## Outboard Flushers & Accessories

### Outboard Engine Flusher

Part No.	Suits Motors	HP Rating
37608	Tohatsu®	12-18

- Custom flushers designed to specifically suit particular outboard models.
- NOTE: Supplied with quick connect hose fitting.*



### Outboard Engine Flushers - Plate Type

Part No.	Suits Motors	HP Rating
37605	Small Mercury® / Mariner®	5-8
37611	Mercury® / Mariner® / Yamaha® / Suzuki®	See below

- Custom flushers designed to specifically suit particular outboard models.
- **37611** - Mercury® 6, 8, 9.9, 15HP.  
Mariner® 6, 8, 9.9, 15HP.  
Yamaha® 9.9, two stroke, 15HP.  
Suzuki® 5, 6, 8, 9.9, 15HP.

*NOTE: Supplied with quick connect hose fitting.*



### Outboard Engine Flushers - Garden Hose Connector

Part No.	Description	Suits Motors
45335	Flusher Screw-in 3/4" NPT	Yamaha® / Suzuki® / Evinrude®

- Connects to a garden hose ideally suited for Yamaha®, Suzuki® and Evinrude® outboard engines.



### Outboard Engine Flushers - Screw-in

Part No.	Description	Suits Motors
37603	Flusher Screw-in	Mercury®
37604	Flusher Screw-in	Mariner® / Tohatsu® / Yamaha®
37607	Flusher Screw-in	Suzuki®

- Connects to a garden hose ideally suited for selected outboard engines.



### Outboard Alloy Wedges

Part No.	Description	Dimensions (mm)
44203	3° (14mm - 4mm) Outboard Alloy Wedge	285 x 95
44205	5° (28mm - 4mm) Outboard Alloy Wedge	285 x 95

- White epoxy coated aluminium wedges used to adjust the mounting angle of your outboard motor to improve your boats performance.

*NOTE: Sold in pairs.*





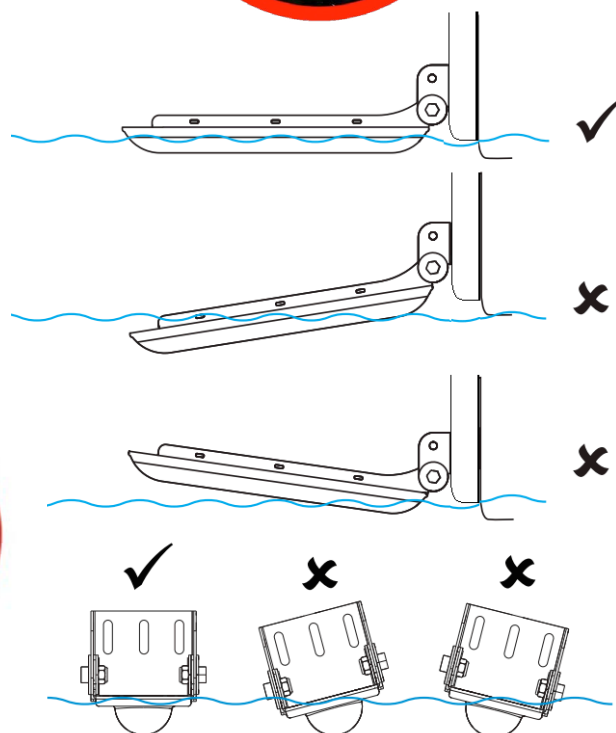
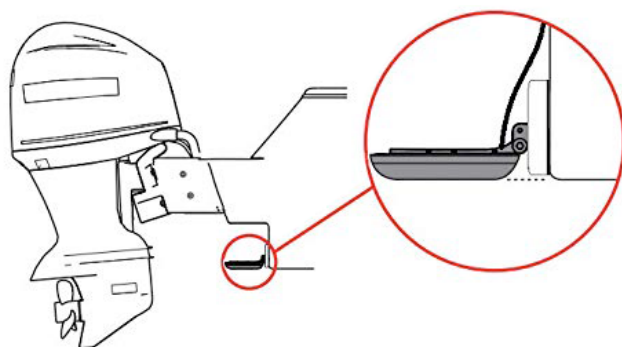
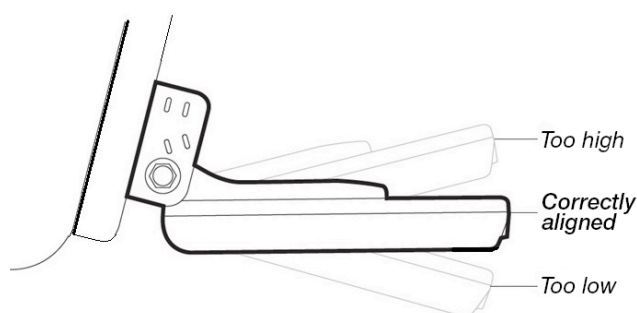
## The Stern Pad

Do you know what the leading cause of transom damage is? Screw holes!

Sealant breaks down overtime and allows water to penetrate into the core through screw holes causing rot and delamination. Save your transom and maintain your boats value by using a Stern Pad instead of drilling holes.

The Stern Pad is a mounting block for transducers, LED lights, pumps, antennas, and other devices that can be attached to a boat. The mounting block uses a special type of 3M VHB tape to adhere to the hull without the use of screws. The adhesive has been rigorously tested and has passed a 10 year submersion test in saltwater!

- Includes 3 x 3M VHB adhesive cable clips.
- Includes site preparation materials - 3M scotch bright or sandpaper and an alcohol wipe.
- It can be installed in less than 5 minutes (18 hour cure time before boating).
- White or black.
- CNC machined from a specially treated synthetic plastic polymer.
- Can be bottom painted if desired.
- Accessory should be attached to Stern Pad without drilling a pilot hole.
- Patent Pending.











Transducers actually produce very little drag when installed correctly. The front profile of a modern transducer is slim and only a portion of the transducer should be in the water when the boat is on plane-- it should "skim" the water. This minimizes turbulence allowing accurate readings when the boat is underway.

Please reference the transducer mounting guidance from the leading transducer manufacturers shown above.



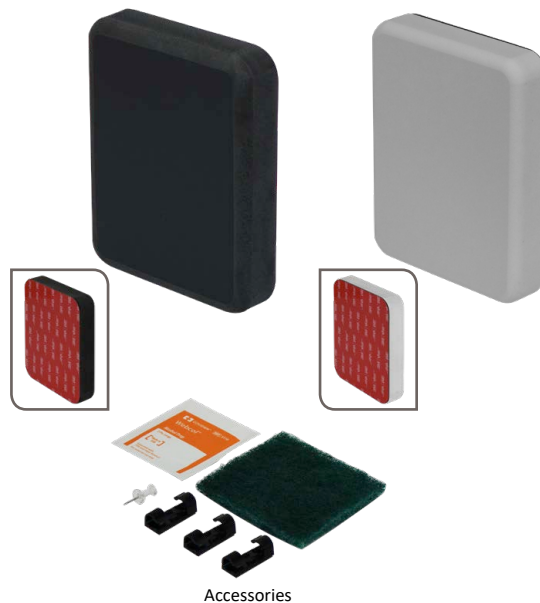
## Stern Pads & Transom Boards

### Stern Pads

Part No.	Description	For Transducers	Colour	Dimensions L x W x D (mm)	
 <b>36660</b>	Standard Stern Pad	Standard	Black	114 x 89 x 19	
 <b>36662</b>	Standard Stern Pad	Standard	White	114 x 89 x 19	
 <b>36664</b>	Jumbo Stern Pad	3D Scan	Black	165 x 120 x 25	
 <b>36666</b>	Jumbo Stern Pad	3D Scan	White	165 x 120 x 25	

- Stern Pad is a mounting block for transducers, LED lights, pumps, antennas, and other devices that can be attached to a boat.
- CNC machined from a specially treated synthetic plastic polymer.
- Save your transom and maintain your boats value by using a Stern Pad instead of drilling holes.
- Mount with 3M™ VBH™ adhesive tape to adhere to the hull without the use of screws.
- The adhesive has been rigorously tested and has passed a 10 year submersion test in saltwater.
- Maximum strength is 200kg for the standard stern pad, the jumbo size has twice the bonding area and is therefore twice as strong.
- Can be painted if desired.
- Includes site preparation materials, and 3 adhesive cable clips.
- Made in USA.


*NOTE: Accessories should be attached to stern pad without drilling a pilot hole.*



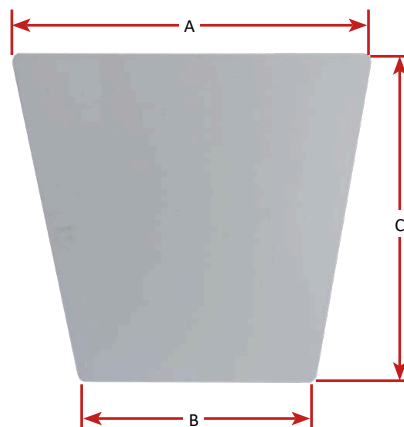
\*Transducer not included in kit



### Transom Boards

Part No.	Description	Colour	Thickness (mm)	A (mm)	B (mm)	C (mm)	
<b>94154</b>	Transom Board	White	9.5	400	300	330	
<b>94154-BULK</b>	Transom Board White 9.5mm - 5 Pack						
<b>94156</b>	Transom Board	White	12.7	400	300	330	
<b>94156-BULK</b>	Transom Board White 12.7mm - 5 Pack						

- Stable UV and weather resistant.
- White polymer boat board.





## Outboard Motor Locks

### Outboard Motor Lock - Standard



Part No.	Length (mm)	Width (mm)	Height (mm)	Type	Hole Ø (mm)
37616	320	30	30	Rectangular	8

- 304G stainless steel.
- The outboard motor lock has been uniquely designed to provide secure protection for your outboard against theft.
- There are six identical holes to provide six different length settings to suit multiple outboard sizes.

*NOTE: Padlock NOT included. Stainless steel locks available.*

### Outboard Motor Lock - Deluxe



Part No.	Length (mm)	Width (mm)	Height (mm)	Type
37618	303	40	40	Rectangular

- 304G stainless steel.
- The deluxe outboard motor lock has been uniquely designed to provide secure protection for your outboard against theft.
- The inside layer of foam, stops any movement from occurring while providing a soft padding that will prevent any friction or wear to your outboard.

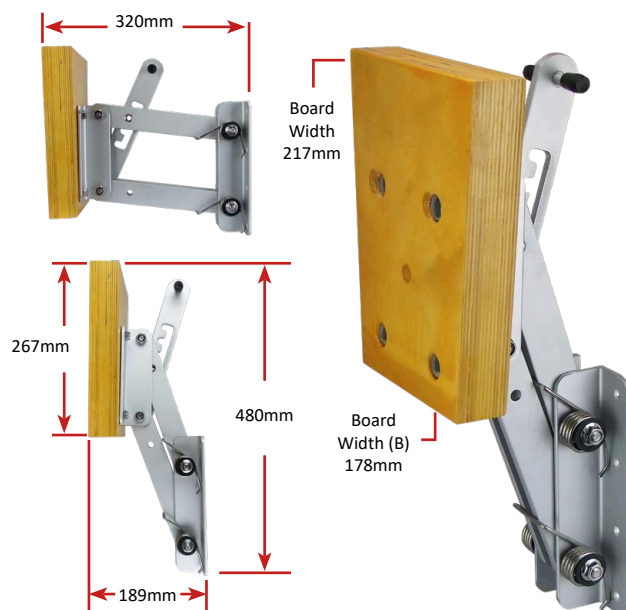


## Outboard Brackets & Motor Pads

### Outboard Motor Bracket

Part No.	Bracket Mounting Dimensions W x H (mm)	Mounting Hole (mm)	Material	Outboard Weight (kg)
70322	132 x 222	9	Anodised Aluminium	30

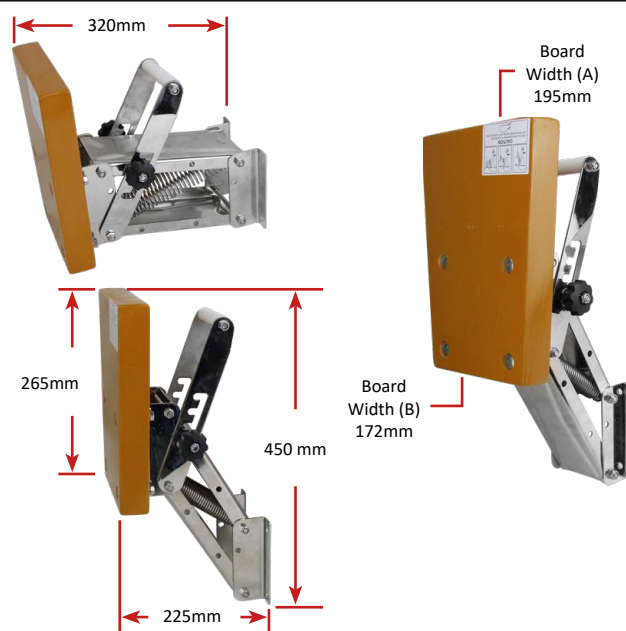
- Aluminium retractable bracket for auxiliary.
- Wood pad.
- Great for secondary power for sailboats.
- Rugged anodised aluminium alloy with stainless steel springs and bolts.
- 4 - position locking height adjustment.



### Outboard Motor Bracket - 316 Stainless Steel

Part No.	Bracket Mounting Dimensions W x H (mm)	Mounting Hole (mm)	Material	Outboard Weight (kg)
70326	148 x 140	8	Stainless Steel	50

- Stainless steel, spring loaded (4 vertical position) adjustable bracket.
- Solid timber mounting board.
- Easy to lift and lower – stainless springs help counter balance motor weight.
- Heavy duty stamped stainless components.
- Ideal for small to medium sized powerboats and yachts.



### Outboard Motor Pad - Rail Mount

Part No.	Description	Suits Rail (mm)	Width (mm)	Height (mm)	HP Rating
70319	Rail Mount Outboard Motor Pad	25	200	220	6

- Ideal for a small additional outboard.
- Easy to install.



## Outboard Motor Trolley

### Outboard Motor Trolley - Folding - Electroplated Steel



Part No.	Width (mm)	Height (mm)	Wood Plate (mm)	Tube Diameter Ø (mm)	Wheel Diameter Ø (mm)	HP Rating
70316	495	990	410 x 153 x 31	22	150	20

- Electroplated steel frame and soft rubber hand grips.
- Suits outboard motors up to approximately 20HP (max load 53kg).
- Large wooden support board.
- For transporting motor to and from boat.
- Folds flat.
- Galvanised frame support arms with 150mm diameter plastic wheels.
- Made in Australia.



### Outboard Motor Trolley - Folding - Stainless Steel



Part No.	Width (mm)	Height (mm)	Wood Plate (mm)	Tube Diameter Ø (mm)	Wheel Diameter Ø (mm)	HP Rating
70320	480	1040	405 x 135 x 35	22	176	20

- 304 grade stainless steel frame and soft rubber hand grips.
- Suits outboard motors up to approximately 20HP (max load 53kg).
- Large wooden support board.
- For transporting motor to and from boat.
- Folds flat.
- Stainless steel frame support arms with 176mm diameter plastic wheels.

## Outboard Safety Accessories

### Safety Cut Off Switch and Cord



Part No.	Dash Thickness Max.	Shaft Dia.	Volt	Amp
50530	8mm	16mm	12V	10

- Ignition safety cut out switch.
- Safety switches with clip and coiled lanyard.
- Attaches to the driver.
- When clip is detached from the switch, the engine will cut out.

### Safety Cut Off Cord



Part No.	Description
50532	Emergency Coil Cut Off Cord

- Universal set kill switch clips and lanyard (7 different clips).
- To suit most brands of outboards.





Italian made flexible impellers suit most brands of outboard and inboard motors, and are more economically priced than the original manufacturers replacement impellers.

Most engine manufacturers recommend that impellers be checked on a regular basis for signs of wear and tear.

Some impellers come as a kit including a gasket.

## Impellers - BUKH®

Part No.	OEM Part No.
500100GX	OE 610G0102



## Impellers - Caterpillar®



500105GT



500106GT



500135T



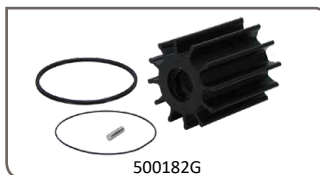
500145GT



500164GT



500177GT



500182G

Part No.	OEM Part No.
500105GT	OE 1L4774
500106GT	OE 3N1906
500135T	OE 5N9360
500145GT	OE 4L8470

Part No.	OEM Part No.
500164GT	OE 1W5664
500177GT	OE 3N5895
500182GX	OE 1095324 OE 1095327 OE 1230492 OE 1239785

## Impellers - Chrysler® / Force®



500313G



500330



500334



500342



500390



500392



500400N

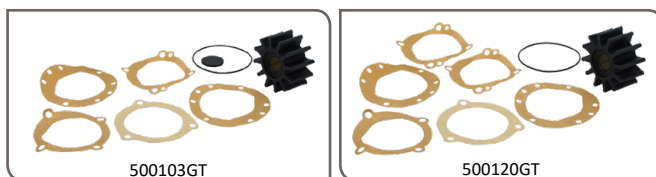
Part No.	OEM Part No.
500313G	OE 47-803631T OE 47-F694065
500330	OE 47-F525065
500334	OE 47-F436065-2
500342	OE 47-F433065

Part No.	OEM Part No.
500390	OE 47-803630T OE 47-F523065-1
500392	OE 47-F40065-2
500400N	OE 3854072 OE 987176

Applications	Remarks	Part No.
9.9 HP - 15 HP		500334
35 HP, 45 HP, 55 HP (1971 - 1984)	2 strokes	500392
35 HP, 45 HP, 55 HP (1976-1980)		500342
75 HP - 140 HP		500390

Applications	Remarks	Part No.
90 HP, 120 HP - F5 150 HP - 5 Cyl (88 >)		500313G

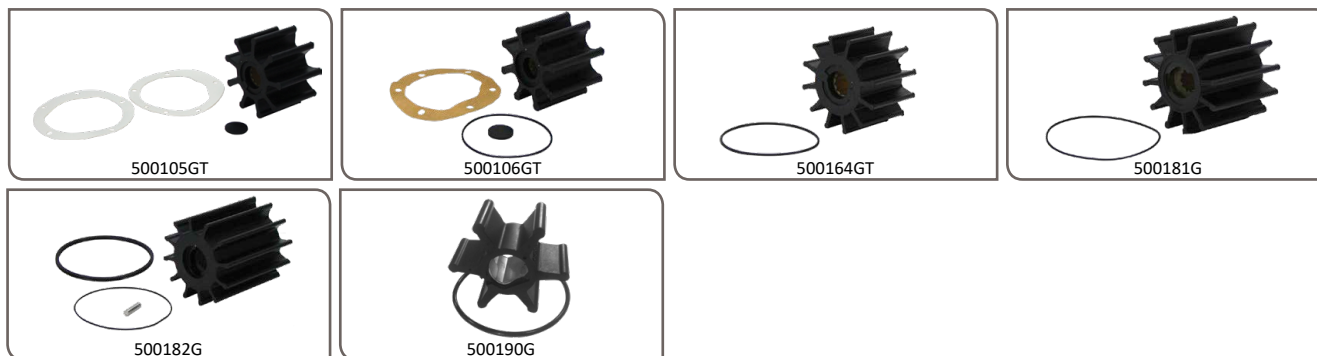
### Impellers - Crusader®



Part No.	OEM Part No.
500103GT	OE 1003026

Part No.	OEM Part No.
500120GT	OE 20300

### Impellers - Cummins®



Part No.	OEM Part No.
500105GT	OE 10556540
500106GT	OE 650607
500164GT	OE 3802444 OE 3897337 OE 3916852 OE 3925236

Part No.	OEM Part No.
500181G	OE 3974456
500182G	OE 4019403
500190G	OE 132-0415

### Impellers - Detroit Diesel®

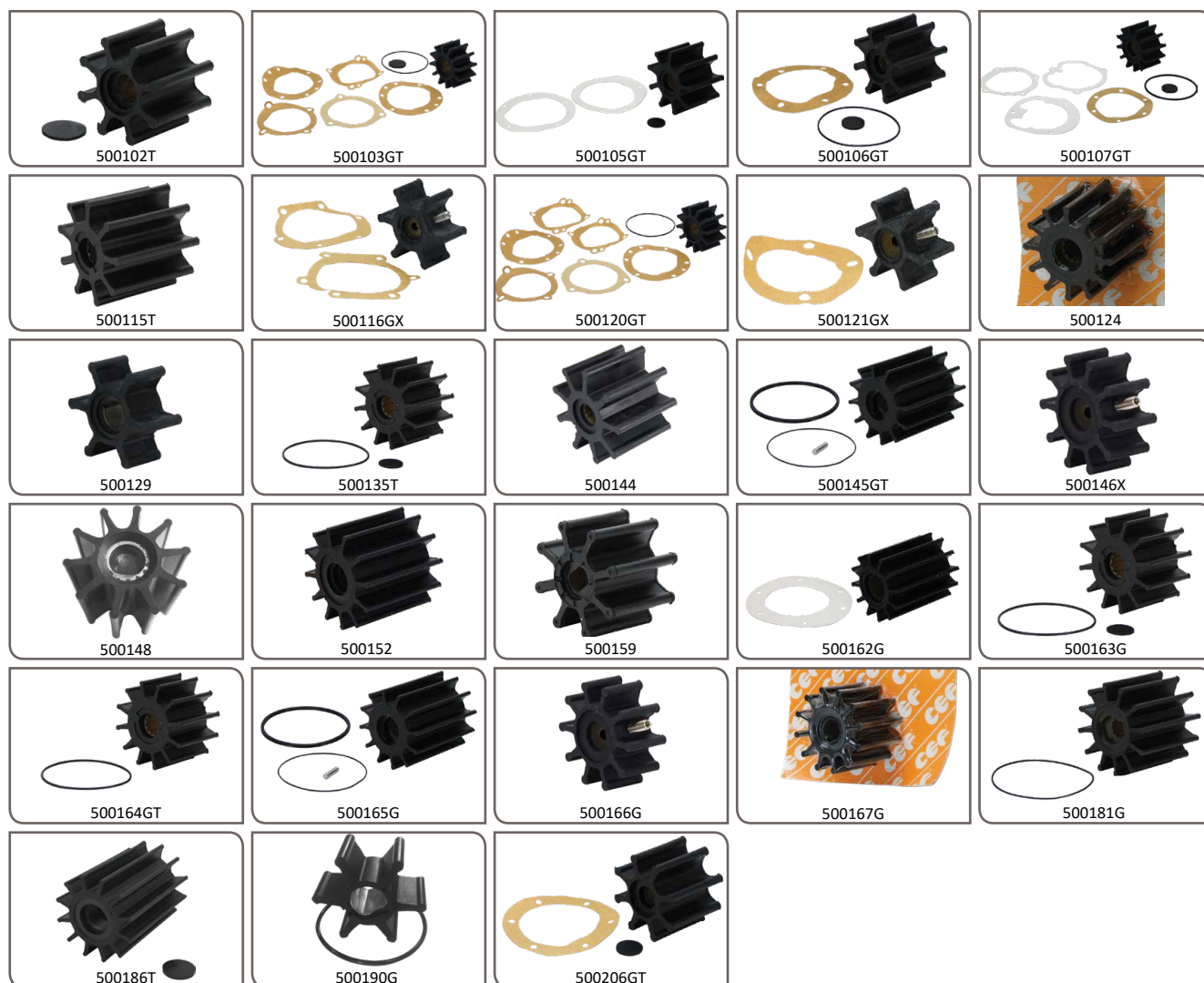


Part No.	OEM Part No.
500105GT	OE 5193553
500106GT	OE 5193602

Part No.	OEM Part No.
500135T	OE 8924838
500145GT	OE 5196168



# Impellers - DJ Pump®



Part No.	OEM Part No.
500102T	OE 09-46-0801
500103GT	OE 08-38-1201
500105GT	OE 003-0901
500106GT	OE 001-0801
500107GT	OE 08-21-1201
500115T	OE 086-0901
500116GX	OE 09-108-0601
500120GT	OE 08-20-1201
500121GX	OE 08-31-0601
500124	OE 09-105-1201
500129	OE 08-37-0601
500135T	OE 003-1201
500144	OE 08-15-0901
500145GT	OE 086-1201
500146X	OE 08-39-0601
500148	OE 09-201-1001
500152	OE 088-1201
500159	OE 09-47-0801
500162G	OE 09-44-1201

Part No.	OEM Part No.
500163G	OE 09-45-1201
500164GT	OE 08-19-1201
500165G	OE 09-106-1201
500166G	OE 08-32-1201
500167G	OE 08-36-1201
500181G	OE 08-35-1201
500186T	OE 08-30-1201
500190G	OE 09-107-0601
500206GT	OE 001-0801N



Impellers - Evinrude & Johnson®



Part No.	OEM Part No.
500303NBK	OE 396725 OE 432954 OE 437080
500303NWK	OE 396725 OE 432954 OE 437080
500305N	OE 389642 OE 777212
500307	OE 382547
500308CR	OE 395864 OE 435748 OE 435821 OE 5001593 OE 397131

Part No.	OEM Part No.
500332	OE 433915 OE 433935
500345	OE 389589
500346C	OE 396809 OE 777214
500350	OE 277181 OE 434424
500351	OE 375638 OE 775518
500352	OE 377230 OE 777213
500354G	OE 389576 OE 436137

Part No.	OEM Part No.
500355	OE 386084
500358	OE 387361
500362G	OE 5031417 OE 5031744
500370C	OE 385289 OE 395289
500372C	OE 432941
500373C	OE 437059
500394	OE 986465
500396	OE 114812

Applications	Remarks	Part No.
1.5, 2 HP (1968-1990)		500358
1.6 L seadrives (1982 >)	Through hub exhaust	500305
1.6 L seadrives (1982-1994)	Except 1987 counter rotation	500308CR
2 HP, 2.3 HP (1991-2001)		500396
2.5 HP, 3 HP, 4 HP ultra excel		500332
3 HP (1957-1968)		500350
3 HP (1991-2001)		500396
4 HP (110 Gearcase) (1973-1983)		500350
4 HP (1969-1982)	Weedless drive	500350
4 HP (90°) (1973-1980)		500358
4 HP (90°) (1981-1990)		500354G
5 HP - 6 HP (1998 >)	4 strokes	500354G
5 HP (1965-1968)		500350
5.5 HP (1957-1964)		500350
6 HP - 8 HP - 4.5 HP - 7 HP and 4 Deluxe (1980)		500354G
6 HP (1965-1978)		500350
6 HP (1979)		500358
7.5 HP (1957-1958)		500350
8 HP, 9.9 HP, 15 HP (<-1994)	4 strokes	500355
8 HP, 9.9 HP, 15 HP (<-1994)	4 strokes	500355
9.9 HP (<-1974)	4 strokes	500355
9.9 HP (1974->)	4 strokes	500355
10 HP (1949-1957)		500351
15 HP (1956-1973)		500351

Applications	Remarks	Part No.
15 HP (1974-1980)		500355
15 HP (1981-1989)		500355
15 HP (1990->)		500355
18 HP (1956-1973)		500351
20 HP (1966-1978)		500351
20 HP (1978-1984)		500370C
20 HP (1985-2002)		500370C
25 HP (1951-1955)		500366
25 HP (1966-1978)		500351
25 HP (1978-1984)		500370C
25 HP (1985-2005)		500370C
25 HP (comm) (1998-02)		500370C
25 HP (old model/modello vecchio)		500357G
25 HP (old model/modello vecchio)		500357G
25 HP, 35HP (3cyl) (1995-2002)		500370C
28 HP (1962-1964)		500366
28 HP, 14 HP (comm) (1985-97)		500370C
30 HP (1951-1957)		500366
30 HP (1985-1997)		500370C
30 HP, 35 HP (1980-1982)		500370C
30 HP, 35 HP (2 cyl) (1983->)		500370C
33 HP (1962-1971)		500366
35 HP (1951-1957)		500366

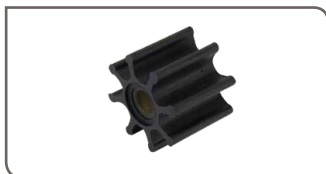


## Impellers - Evinrude & Johnson®

Applications	Remarks	Part No.
35 HP (1976-1977)		500374
35 HP (1978-1979)		500370C
35 HP (1980-1997)		500370C
35 HP w/Thermostart (1958-1959)		500352
40 HP - 50 HP - 55 HP - 60 HP (1979-1985)		500345
40 HP - 50 HP (1995-1995)		500373C
40 HP - 60 HP (1975-1988) 2cyl	White key used with shaft OE 391377	500303N.WK
40 HP - 60 HP (1989-2005) 2cyl	Black key used with shaft OE 432960-437376	500303N.BK
40 HP (1960-1970)		500352
40 HP (1971-1973)		500366
40 HP (1974-1976)		500353
40 HP (1984-1988)		500346C
40 HP (1989 -1994)		500372C
40 HP comm. (1981-1990)		500353
40 HP comm. (RP, RW) (1993-1994)		500346C
40 HP comm. (RP,RW) (1995-2002)		500373C
40 HP comm. (RS) (1991-2002)		500373C
40 HP, 48 HP, 50 HP (1989-2002)		500373C
45-55 HP comm (1995-2002)		500373C
45-55 HP comm. (1986-1994)		500346C
48 HP (1987-1988)		500346C
48 HP (1989 -1994)		500372C
50 HP (1971-1975)		500352
50 HP (1986-1988)		500346C
50 HP (1989-1994)		500372C
55 HP (1968-1969)		500307
55 HP (1971-1978)		500352
60 HP, 65 HP (comm), 70 (1995-2002)		500373C
60 HP, 65 HP, 70 HP, 75 HP (1970-1978)		500307
60 HP, 75 HP (1975-1988) 3cyl	White key used with shaft OE 391377	500303N.WK
60 HP, 75 HP (1989-2005) 3cyl	Black key used with shaft OE 432960-437376	500303N.BK
80 HP JET (1993-1996)		500308CR
85 HP (1969-1972)		500306
85 HP (1973-1981)		500305
85 HP (25"") (1977)		500305
85 HP TTL (1993-95)		500308CR
88 HP (1987-1991)		500305
88 HP (1987-1996)		500308CR
90 HP (1982-1994)		500305
90 HP (1982-2007)	"V" Models only	500308CR
100 HP (1968-1972)		500306
100 HP (1979 >)		500305
100 HP (1979-1997)		500308CR
100 HP COMM (1984-1997)		500308CR

Applications	Remarks	Part No.
100C HP (1984 >)		500305
105 HP JET (1994-2007)		500308CR
110 HP (1986 >)		500305
110 HP (1986-1993)		500308CR
112 HP (1994-1996)		500308CR
115 HP (1969-1970)		500306
115 HP (1973-1994)		500305
115 HP (1979-1997)	"V" Models only	500308CR
115 HP (25") (1977)		500305
120 HP (1985 >)	Except 1993 > 25" & 30"	500305
120 HP (1985-1994)	Except 25" and 30" Models	500308CR
125 HP (1971-1972)		500306
125 HP (1994-1995)		500308CR
130 HP (1994-1997)		500308CR
135 HP (1973-1976)		500305
140 HP (1977-1978)		500305
140 HP (1979 >)	Except 1993 > 25" & 30"	500305
140 HP (1979-1994)	Except 25" and 30" Models	500308CR
150 HP (1976-1978)		500305
150 HP (1979 >)	Except 1993 > 25" & 30"	500305
150 HP (1979-2006)		500308CR
155 HP (1984 - )	Except 25" and 30" Models	500308CR
155 HP (1984 >)	Except 1993 > 25" & 30"	500305
175 HP (1976-1978)		500305
175 HP (1979 >)	Except 1993 > 25" & 30"	500305
175 HP (1979-2006)		500308CR
185 HP (1984 >)	Except 1993 > 25" & 30"	500305
185 HP (1984-1994)		500308CR
200 HP (1976-1978)		500305
200 HP (1979 >)	Except 1993 > 25" & 30"	500305
200 HP (1979-2007)		500308CR
225 HP (1986 >)	Except 1993 > 25" & 30"	500305
225 HP (1986-2007)		500308CR
235 HP (1976-1978)		500305
235 HP (1979 >)		500305
235 HP (1979-1985)		500308CR
250 HP (1993-2007)		500308CR
275 HP (1985 - )	Except 25" and 30" Models	500308CR
275 HP (1985 >)	Except 1993 > 25" & 30"	500305
300 / 3.6L HP (1985 >)	Except 1993 > 25" & 30"	500305
300 /3.6L HP (1985-95)		500308CR
V4, V6, V8 (1976-2006)		500308CR

## Impellers - Finspray®



Part No.	OEM Part No.
500188CT	WS 36-7

## Impellers - Honda®



Part No.	OEM Part No.
500301N	OE 19210-ZW1-003 OE 19210-ZW1-303
500327	OE 19210-881-003 OE 19210-881-A02 OE 19210-881-A01
500328	OE 19210-ZV4-013
500337	OE 19210-ZW1-B02 OE 19210-ZW1-B04
500338	OE 19210-ZV5-003

Part No.	OEM Part No.
500339T	OE 19210-ZV7-003
500343	OE 19210-ZV4-651
500347	OE 19210-ZW9-003 OE 19210-ZW9-013
500348	OE 19210-ZW9-A31 OE 19210-ZW9-A32
500391	OE 19210-ZY3-003

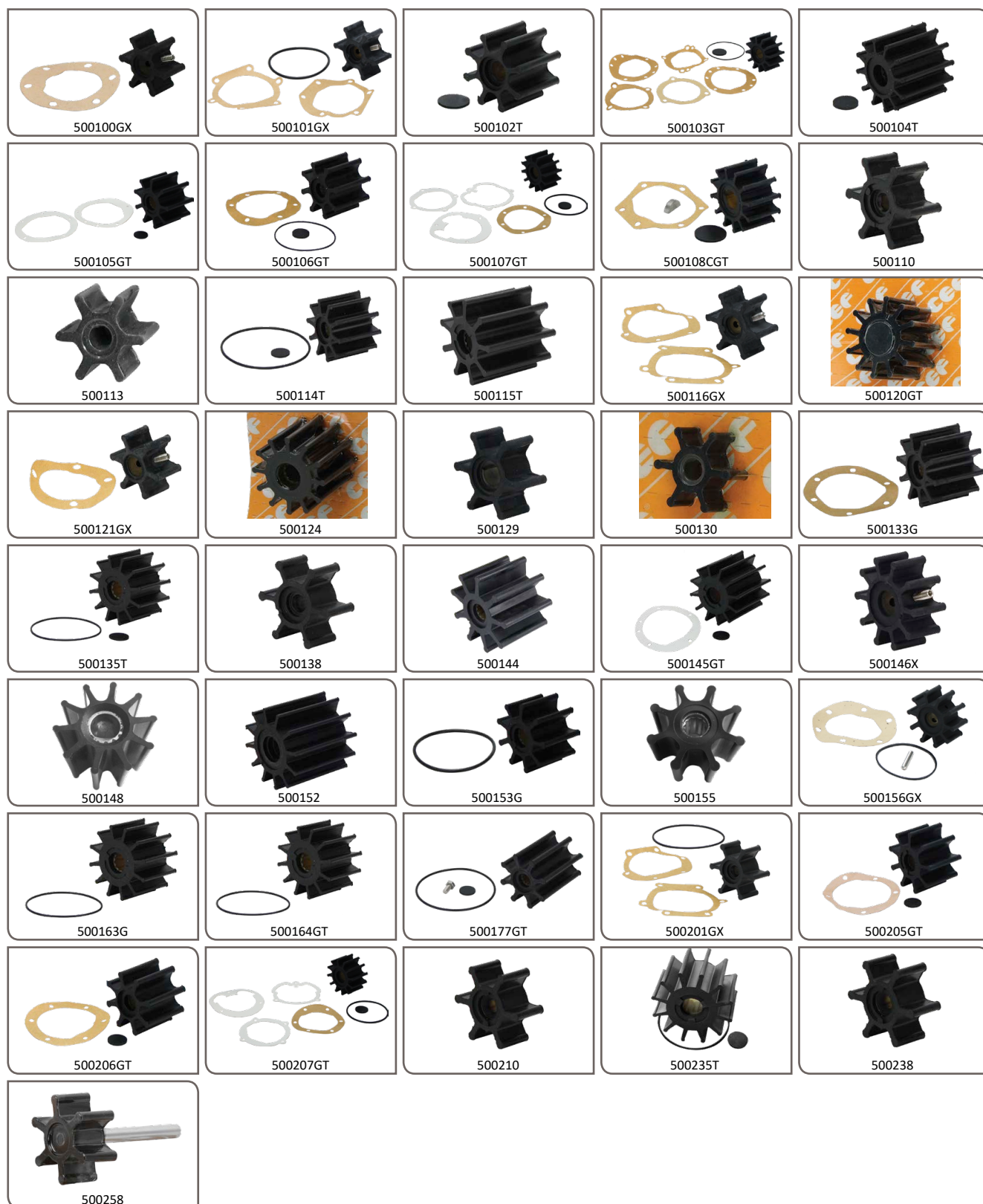
Applications	Remarks	Part No.
5 HP	Earlier version	500327
5 HP	M-X series later version	500327
5 HP BF50	F	500327
5 HP BF5A	H-K	500327
7.5 HP BF75	A-B-C-D-E-F	500327
8 HP	AH-AK	500327
8 HP	AM-AX-B-BX	500327
8 HP	C-CX	500343
8 HP, 10 HP	2000	500348
8 HP, 10 HP	Power Trust (2000)	500347
9.9 HP BF	AH-AK-AM-H-K-M	500328
9.9HP	AM-AX-B-BX-M	500343
10 HP BF100	A-B-C-D-E-F	500327
15 HP	AM-AX-B-BX-M	500343
15 HP BF	AH-AK-AM-H-K-M	500328
20 HP	A-AX	500339
25 HP	A-AX	500339

Applications	Remarks	Part No.
30 HP	A-AX	500339
35 HP	AM	500338
40 HP	A-AX-B-BX	500338
45 HP	AM	500338
50 HP	A-AX	500338
60 HP	BF 60 (A)	500338
75 HP	AT	500301N
75 HP	AV-AX 1999>	500337
90 HP	AT	500301N
90 HP	AV-AX 1999 >	500337
115 HP	1999>	500337
130 HP	1999>	500337
135 HP	2004 >	500337
150 HP	2004 >	500337
200 HP, 225 HP	4 strokes	500391





Impellers - Jabsco®



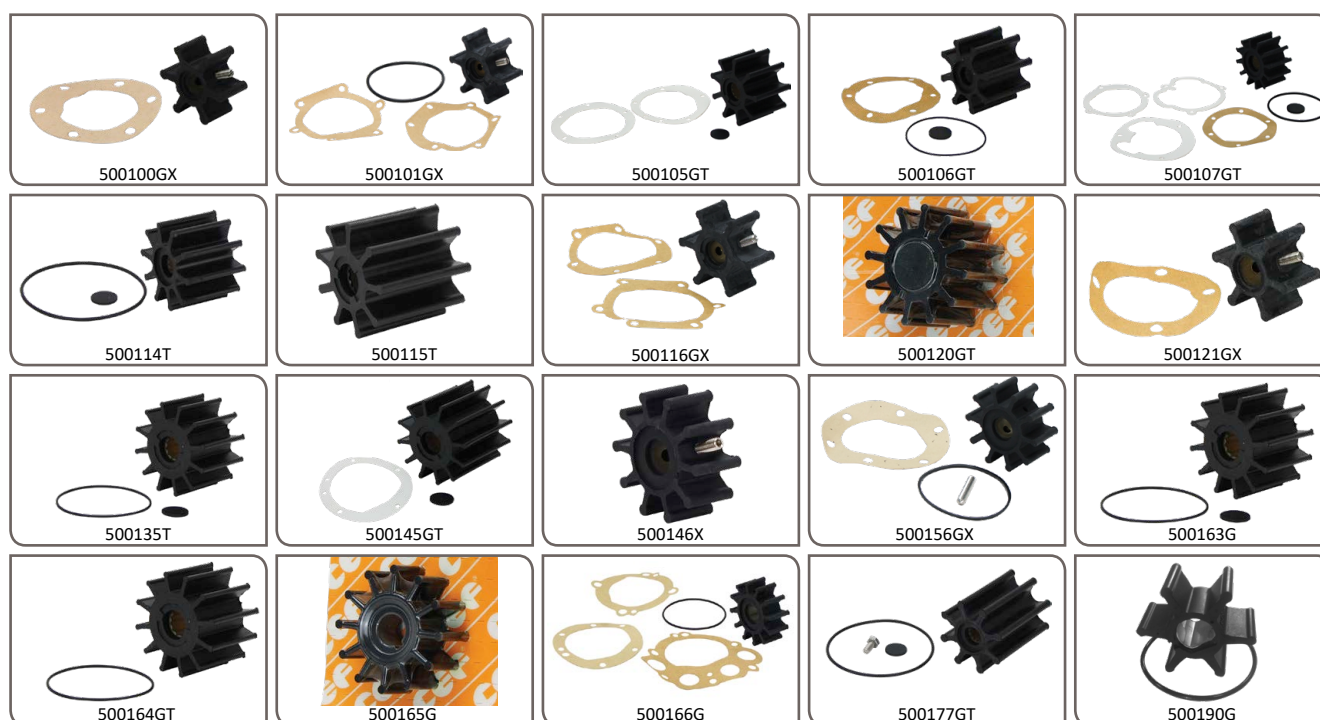
Part No.	OEM Part No.
500100GX	OE 4528-0001
500101GX	OE 653-0001
500102T	OE 4598-0001
500103GT	OE 18838-0001
500104T	OE 22120-0001
500105GT	OE 836-0001
500106GT	OE 920-0001

Part No.	OEM Part No.
500107GT	OE 1210-0001 OE 3085-0001
500108CGT	OE 4568-0001
500110	OE 7273-0001
500113	OE 1411-0001 OE 21414-0001
500114T	OE 17937-0001
500115T	OE 6760-0001

### Impellers - Jabsco®

Part No.	OEM Part No.	Part No.	OEM Part No.
500116GX	OE 673-0001	500153G	OE 18786-0001
500120GT	OE 18948-0001	500155	OE 11979-0001
500121GX	OE 22405-0001	500156GX	OE 18673-0001
500124	OE 13554-0001	500157	OE 50461-1001
500129	OE 22799-0001	500163G	OE 17938-0001
500130	OE 1414-0001 OE 14609-0001 OE 14787-0001	500164GT	OE 18958-0001
500133G	OE 18777-0001	500177GT	OE 17018-0001 OE 17018-0001B
500135T	OE 17935-0001	500201GX	OE 653-0003
500138	OE 6303-0001	500205GT	OE 836-0003
500144	OE 17240-0001 OE 18789-0001	500206GT	OE 920-0003
500145GT	OE 17936-0001 OE 21676-0001	500207GT	OE 1210-0003
500146X	OE 18653-0001	500210	OE 7273-0003
500148	OE 17954-0001	500235T	OE 17935-0003
500152	OE 17370-0001	500238	OE 6303-0003
		500258	OE 17255-0003

### Impellers - JMP®



Part No.	OEM Part No.	Part No.	OEM Part No.
500100GX	OE 7001	500135T	OE 8100
500101GX	OE 7050	500145GT	OE 8301
500105GT	OE 8000	500146X	OE 7070
500106GT	OE 7400	500156GX	OE 7071
500107GT	OE 7100	500163G	OE 8326
500114T	OE 7426	500164GT	OE 7600
500115T	OE 8200	500165G	OE 7172
500116GX	OE 7051	500166G	OE 7110
500120GT	OE 7300	500177GT	OE 7446
500121GX	OE 7000	500190G	OE 7013



## Impellers - Johnson Pump®



Part No.	OEM Part No.
500100GX	OE 09-0806B
500101GX	OE 09-0810B
500105GT	OE 09-1029B
500106GT	OE 09-1028B
500107GT	OE 09-1027B
500115T	OE 09-0802B
500116GX	OE 09-1026B
500121GX	OE 09-0808B
500124	OE 09-0812B
500132	OE 09-1052B
500135T	OE 09-819B
500145GT	OE 09-0814B
500162G	OE 09-821B

Part No.	OEM Part No.
500170CG	OE 09-0801B
500185	OE J09-838S
500186T	OE 09-820B
500201GX	OE 09-0810-B9
500205GT	OE 09-1029B-9
500206GT	OE 09-1028B-9
500207GT	OE 09-1027B-9
500210	OE 09-8249-9
500235T	OE 09-819B-9
500238	OE 09-824P-9

## Impellers - Kohler®

Part No.	OEM Part No.
500190G	OE 359978





Impellers - Mariner®



500301N



500312



500313G



500321



500325



500377



500378

Part No.	OEM Part No.
<b>500301N</b>	OE 47-43026-T2 OE 47-43026-2
<b>500312</b>	OE 47-20268 OE 47-65959 OE 47-89983
<b>500313G</b>	OE 47-65960 OE 47-89984T4

Part No.	OEM Part No.
<b>500321</b>	OE 47-95611M
<b>500325</b>	OE 47-96305M
<b>500377</b>	OE 47-16154B OE 47-16154-3
<b>500378</b>	OE 47-19453T

Applications	Remarks	Part No.
2.5 HP (1999-2001)		<b>500377</b>
4A HP (M-6EO-001011 >)		<b>500325</b>
4A HP (ML-6EO-300101 >)		<b>500325</b>
5C HP (M-6E3-102151 >)		<b>500325</b>
5C HP (ML-6E3-400101 >)		<b>500325</b>
6 HP (2000-2001)		<b>500377</b>
8B HP (M-677-000101 >)		<b>500321</b>
8B HP (ML-677-300101 >)		<b>500321</b>
15A HP (<M-651-000285)		<b>500321</b>
15A HP (<ML-651-300101)		<b>500321</b>
30 HP		<b>500312</b>
40 HP (4 Cyl)	4 strokes	<b>500378</b>
40 HP EFI	4 strokes	<b>500378</b>
40 HP JET		<b>500378</b>
45 HP JET		<b>500378</b>
50 HP (4 Cyl)	4 strokes	<b>500378</b>
50 HP (5531630 >)		<b>500312</b>
50 HP EFI	4 strokes	<b>500378</b>
55 HP (3 Cyl)		<b>500378</b>
60 HP (3 Cyl)		<b>500378</b>
60 HP (4 Cyl)	4 strokes	<b>500378</b>
60 HP EFI	4 strokes	<b>500378</b>
70 HP (5361993-5702219)		<b>500312</b>
70 HP (A996142 >)		<b>500301N</b>
70 HP (B240451 >)		<b>500301N</b>

Applications	Remarks	Part No.
75 HP (4Cyl.) (6432901 >)		<b>500313G</b>
75 HP (A996142 >)		<b>500301N</b>
75 HP (B24051 >)		<b>500301N</b>
75 HP (C222000-D382221)		<b>500301N</b>
80 HP (4CYL) (4842729-6432900)		<b>500313G</b>
85 HP (4CYL) (4731898-4842728)		<b>500313G</b>
90 HP (6 Cyl.) (5309951-)		<b>500313G</b>
90 HP (A996142 >)		<b>500301N</b>
90 HP (B240451 >)		<b>500301N</b>
90 HP (C222000 >)		<b>500301N</b>
100 HP (B209468 >)		<b>500301N</b>
115 HP (6CYL) (4865178-)		<b>500313G</b>
115 HP (C100000-D283221)		<b>500301N</b>
140 HP (6CYL) (5088444-)		<b>500313G</b>
MAG II (B082000 -)		<b>500313G</b>
MAG II (B242885 -)		<b>500313G</b>
V135 HP (0A904646 -)		<b>500313G</b>
V150 HP (5600162-0A904645)		<b>500313G</b>
V150 HP (A904646 -)		<b>500313G</b>
V175 HP (5190663-6618750)		<b>500313G</b>
V175 HP (6618751 -)		<b>500313G</b>
V200 HP (5624878-6625220)		<b>500313G</b>
V200 HP (6625221 -)		<b>500313G</b>
V220 HP (B117316 -)		<b>500313G</b>



## Impellers - Mercury®



Part No.	OEM Part No.
<b>500301N</b>	OE 47-43026-2 OE 47-430262Q02 OE 47-43026-T2
<b>500310</b>	OE 47-65957 OE 47-89981
<b>500311G</b>	OE 47-65958 OE 47-89982
<b>500312</b>	OE 47-20268 OE 47-65959 OE 47-89983
<b>500313G</b>	OE 47-65960 OE 47-89984T4 OE 47-F694065 OE 47-803631T OE 47-30221

Part No.	OEM Part No.
<b>500314</b>	OE 47-68988 OE 47-89980
<b>500315</b>	OE 47-85089-10 OE 47-85089-3
<b>500318</b>	OE 47-42038
<b>500325</b>	OE 47-96305M
<b>500331</b>	OE 47-20813
<b>500377</b>	OE 47-16154 B OE 47-16154-3
<b>500378</b>	OE 47-19453T
<b>500396</b>	OE 47-95289/2

Applications	Remarks	Part No.
2 HP (2006)		<b>500377</b>
2.2 HP		<b>500396</b>
2.4 EFI HP (all)		<b>500313G</b>
2.5 HP		<b>500396</b>
3 HP		<b>500396</b>
3.3 HP (1991-2006)		<b>500396</b>
3.5 HP (6202173 >)		<b>500314</b>
3.6 HP (5404657 >)		<b>500314</b>
4 HP (2498136-3296136)		<b>500310</b>
4 HP (5589202-5595531)		<b>500314</b>
4 HP (5595532 >)		<b>500310</b>
4 HP (7143688 >)	1 CYL Product of USA	<b>500310</b>
4 HP (8068065 >)	1 CYL Product of USA	<b>500310</b>
4 HP (9258281 >)	1 CYL Product of USA	<b>500310</b>
4 HP, 5 HP, 6 HP	4 strokes	<b>500377</b>
4.5 HP (4107220-5595531)		<b>500310</b>
4.5 HP (5595532 >)		<b>500310</b>
4.5 HP (7143688 >)	1 CYL Product of USA	<b>500310</b>
4.5 HP (8068065 >)	1 CYL Product of USA	<b>500310</b>
4.5 HP (9258281 >)	1 CYL Product of USA	<b>500310</b>

Applications	Remarks	Part No.
5 HP (all)		<b>500310</b>
5 HP (all)		<b>500314</b>
6 HP (1408611-1916138)		<b>500309</b>
6 HP (1916139-2529894)		<b>500310</b>
7.5 HP (2529895-3274632)		<b>500310</b>
7.5 HP (5206650 >)		<b>500310</b>
7.5 HP (7125388 >)		<b>500310</b>
7.5 HP (8057545 >)		<b>500310</b>
7.5 HP (9217756 >)		<b>500310</b>
8 HP	4 strokes	<b>500315</b>
9.8 HP (1470349-1865778)		<b>500309</b>
9.8 HP (1865779-5206549)		<b>500310</b>
9.8 HP (5206550 >)		<b>500310</b>
9.8 HP (7125388 >)		<b>500310</b>
9.8 HP (8057545 >)		<b>500310</b>
9.8 HP (9217756 >)		<b>500310</b>
9.9 HP, 15 HP HP	4 strokes	<b>500318</b>
10 HP (941751-1224480)		<b>500331</b>
16 HP (941751-1224480)		<b>500331</b>
18 HP (5837437-6416712)		<b>500315</b>



Impellers - Mercury®

Applications	Remarks	Part No.	Applications	Remarks	Part No.
20 HP (2827677-3226957)		500311G	85 EL HP (4590512-4831998)		500313G
20 HP (941751-1224480)		500331	85 HP (1460999-1766823)		500313G
20XD HP (6443973 >)		500315	85 HP (3493913-4366801)		500313G
25 HP, 40 HP, 50 HP (5232005)	4 strokes	500315	85 XS HP (4366802-4831998)		500313G
25XD HP (6443973 >)		500315	90 HP (1766824-1869775)		500313G
30 HP (1217222-1448139)		500312	90 HP (6Cyl.) (4845301-5299505)		500313G
30 HP (941751-1224480)		500331	90 HP (A996142 >)		500301N
35 HP (1571114-1812753)		500312	90 HP (B240451 >)		500301N
35 HP (6445653-B110788)		500312	90 HP (C222000-D283221)		500301N
40 HP (1279685-1476509)		500312	95 HP (1869776-2318585)		500313G
40 HP (2874704-3336257)		500312	100 HP (1464949-1768403)		500313G
40 HP (4362215-4860102)		500312	100 HP (1768404-2318585)		500313G
40 HP (4862103-6445652)		500312	100 HP (2318586-2836108)		500313G
40 HP (4Cyl)	4 strokes	500378	100 HP (B209468-D283221)		500301N
40 HP (941751-1224480)		500331	110 HP (1870204-2314955)		500313G
40 HP EFI	4 strokes	500378	115 HP (2836019-3255440)		500313G
40 HP JET		500378	115 HP (C100000-D283221)		500301N
45 HP (1476510-1520983)		500312	125 HP (2314956-2839368)		500313G
45 HP (1520984-1531568)		500312	125 HP (2839369-3293233)		500313G
45 HP (5531630 >)		500312	130 HP (18227000 & Up)	4 strokes Verado	500301N
45 HP JET		500378	135 HP (A904646 -)		500313G
50 HP (1421113-1639472)		500312	140 HP (3293234-3502805)		500313G
50 HP (1521914-2305100)		500312	140 HP (4865678-5327662)		500313G
50 HP (2305101-2858813)		500312	150 HP (18227000 & Up)	4 strokes Verado	500301N
50 HP (4357640-4962055)		500312	150 HP (3502806-4865677)		500313G
50 HP (4962056 >)		500312	150 HP (4868998-A904645)		500313G
50 HP (4Cyl)	4 strokes	500378	150 HP (A904646 -)		500313G
50 HP EFI	4 strokes	500378	175 HP (18227000 & Up)	4 strokes Verado	500301N
55 HP (3Cyl)		500378	175 HP (4301235-6618750)		500313G
60 HP (3Cyl)		500378	175 HP (6618751 -)		500313G
60 HP (4Cyl)	4 strokes	500378	200 HP (4839034-6625220)		500313G
60 HP (6428681 >)		500312	200 HP (6625221 -)		500313G
65 HP (1542745-2309310)		500313G	220 HP (B117316 -)		500313G
65 HP (2309311-2803561)		500313G	225 HP (5628028 -)		500313G
65 HP (2803562-3293183)		500312	250 HP (1250V33HB)		500301N
70 HP (1413611-1566239)		500313G	275 HP (1275V34HD)		500301N
70 HP (4571652-4977156)		500312	MK5/MK6 (all)		500309
70 HP (4977157-6428680)		500312	MK35A (all)		500312
70 HP (A996142 >)		500301N	mod.VP HP (all)		500313G
70 HP (B240451 >)		500301N	WH6/WH6A (all)		500309
75 HP - 90 HP 4T		500301N	XR/4 HP (B242885 -)		500313G
75 HP (4Cyl.) (6432901 >)		500313G			
75 HP (C222000-D283221)		500301N			
80 HP (1335465-1398629)		500313G			
80 HP (1398630-1566239)		500313G			
80 HP (2559001-3493912)		500313G			
80 HP (4831999-6432900)		500313G			
80 HP (A996142 >)		500301N			
80 HP (B240451 >)		500301N			
80 HP EFI	4 strokes	500378			





### Impellers - Mercruiser®



500106GT



500109T



500159



500161



500301N



500311G

Part No.	OEM Part No.
500106GT	OE 47-801332602
500109T	OE 47-59362 OE 47-59362Q01
500159	OE 47-862232A2

Part No.	OEM Part No.
500161	OE 47-831311350
500301N	OE 47-43026-T2 OE 47-430262Q02
500313G	OE 47-65960 OE 47-89984

### Impellers - Oberdorfer®



500102T



500135T



500138



500120GT



500108CGT



500105GT



500206GT

Part No.	OEM Part No.
500102T	OE 6603
500138	OE 6617
500135T	OE 7054
500120GT	OE 8922

Part No.	OEM Part No.
500108CGT	OE B6620
500105GT	OE C7054
500206GT	OE C7441

### Impellers - Onan®



500100GX



500103GT



500107GT

Part No.	OEM Part No.
500103GT	OE 132-0117
500107GT	OE 132-0162

Part No.	OEM Part No.
500100GX	OE 132-0859

### Impellers - Parsun®



500322



500325



500363



500385G

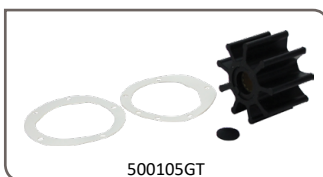
Part No.	OEM Part No.
500322	OE F2,6-030000100
500325	OE F15-06050000

Part No.	OEM Part No.
500363	OE F4-03060000
500385G	OE F25-04040000

Applications	Remarks	Part No.
2.6 HP	4 strokes	500322
4 HP - 5HP	4 strokes	500325

Applications	Remarks	Part No.
9.9 HP - 15 HP	4 strokes	500363
20-25 HP	4 strokes	500385G

## Impellers - Renault®



Part No.	OEM Part No.
500100GX	-
500105GT	-
500106GT	RC 320D

## Impellers - Selva®



Part No.	OEM Part No.
500316	OE 6H3-44352-00
500363	OE 63V-44352-01
500364	OE 67F-44352-00

Part No.	OEM Part No.
500368	OE 68T-44352-00
500371	OE 6E5-44352-01
500385G	OE 6H4-44352-02

Applications	Remarks	Part No.
8 HP	Type RAY	500368
9.9 HP	Type PIKE	500363
15 HP	Type WAHOO	500363
20 HP	Type WAHOO	500363
25 HP	Type KINGFISH	500385G
40 HP	Type ARUANA E.F.I.	500385G
40 HP	Type DORADO40XS-XSR	500316
50 HP	Type DORADO E.F.I.	500316

Applications	Remarks	Part No.
60 HP	Type DORADO E.F.I.	500316
80 HP	Type MARLIN E.F.I.	500364
100 HP	Type MARLIN E.F.I.	500364
115 HP	Type NARWHAL E.F.I.	500371
150 HP	Type KILLER WHALE E.F.I.	500371
200 HP	Type GREY WHALE E.F.I.	500371
225 HP	Type FIN WHALE E.F.I.	500371
250 HP	Type BLUE WHALE E.F.I.	500371

## Impellers - Sherwood®



Part No.	OEM Part No.
500100GX	OE 9979
500103GT	OE 9959K
500114T	OE 18200K
500120GT	OE 10615K
500164GT	OE 17000K
500165G	OE 9000K
500166G	OE 10077K

Part No.	OEM Part No.
500167G	OE 15000K
500179GX	OE 22000K
500181G	OE 27000K
500182GX	OE 18000K
500183G	OE 26000K
500190G	OE 8000K
500192GX	OE 29000K

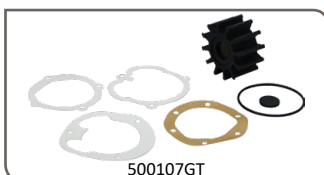
Part No.	OEM Part No.
500193GX	OE 30000K
200134	500179G 500181G 500182GX 500183G 500192GX 500193GX



## Impellers - Sole Diesel®



500106GT



500107GT



500123X & 500131X

Part No.	OEM Part No.
500106GT	OE 34711008
500107GT	OE 35111008

Part No.	OEM Part No.
500123X	OE 31211008
500131X	OE 32111008

## Impellers - Suzuki®



500312



500329



500360 & 500361



500362G



500365



500367N



500393

Part No.	OEM Part No.
500312	OE 17461-95201
500329	OE 17461-93902 OE 17461-93903 OE 17461-93901
500360	OE 17461-95300 OE 17461-95301 OE 17461-95501
500361	OE 17461-94700
500362G	OE 17461-96301 OE 17461-96312
500365	OE 17461-87E00 OE 17461-87E10 OE 17461-87E11

Part No.	OEM Part No.
500367N	OE 17461-94500 OE 17461-94510 OE 17461-94511 OE 17461-90J01 OE 17461-90J00
500393	OE 17461-93J00

Applications	Remarks	Part No.
9.9 HP, 15 HP CV		500329
90 HP, 115 HP	4 strokes	500367
DF60/DF70 (1998-2009)	4 strokes	500365
DF90 (2001-2008)		500367
DF100 (2009)		500367
DF115 (2002-2010)		500367
DF140 (2002-2010)		500367
DF175 (2006-2010)		500367
DF200 (2004-2010)	4 strokes	500393
DF225 (2004-2010)	4 strokes	500393
DF250 (2004-2010)	4 strokes	500393
DF300 (2007-2010)		500393
DT20 (1986-88)		500362G
DT20VE-25QD-25VE-30VE-30QD-40VE		500362G
DT25 (1984-88)		500362G
DT30 (1984-87)		500362G
DT35 (1987-89)		500362G

Applications	Remarks	Part No.
DT40 (1983)		500361
DT40C (1984-95)		500362G
DT40VZ-DT40QD-DT50C-DT50D-DT50VZ		500361
DT50 (1999-2005)		500362G
DT50QD-DT65VZ-DT60QD-DT65QD		500361
DT50VE-DT60VE-DT75VE		500360
DT55 (1985-97)		500312
DT65 (1985-97)		500312
DT75 (1985-97)		500360
DT85 (1985-97)		500360
DT90/DT100 (1990->>)	2 strokes	500365
DT115 (1981-2001)	2 strokes	500367
DT140 (1986-2001)		500367
DT150 (1987-1996)		500367
DT200 (1986-2003)		500367
PU85 (jet) (1989-97)		500393



### Impellers - Tohatsu®



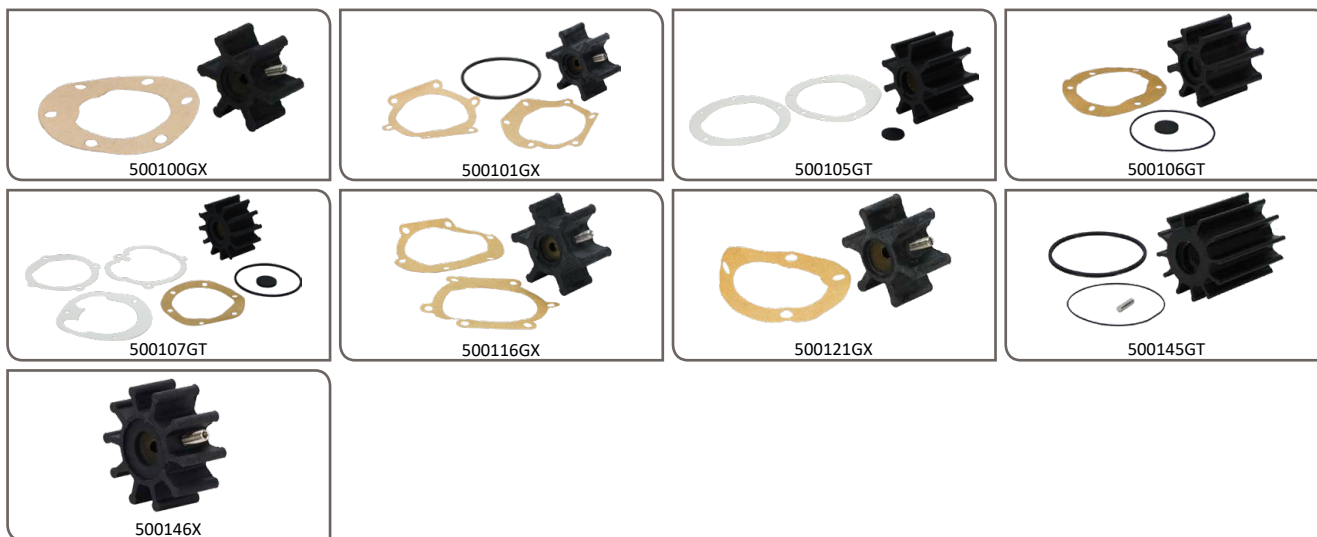
Part No.	OEM Part No.
<b>500344</b>	OE 3B2-65021-1
<b>500377</b>	OE 369-65021-1
<b>500379</b>	OE 3C8-65021-2 OE 345-65021-1
<b>500382</b>	OE 345-65021-0

Part No.	OEM Part No.
<b>500383</b>	OE 334-65021-0
<b>500388</b>	OE 3B7-65021-2 OE 3C7-65021-1
<b>500396</b>	OE 309-65021-1

Applications	Remarks	Part No.
2 HP	2 strokes	<b>500377</b>
2.5 HP	2 strokes	<b>500377</b>
2.5A, 3.5A, 3.5B	2 strokes	<b>500396</b>
3.5 HP	2 strokes	<b>500377</b>
4 HP - 5 HP	2 strokes	<b>500377</b>
4 HP - 5 HP - 6 HP	4 strokes	<b>500377</b>
6 HP - 8 HP - 9.8 HP	2 strokes	<b>500344</b>
9.9 HP - 15 HP - 18 HP	2 strokes	<b>500383</b>

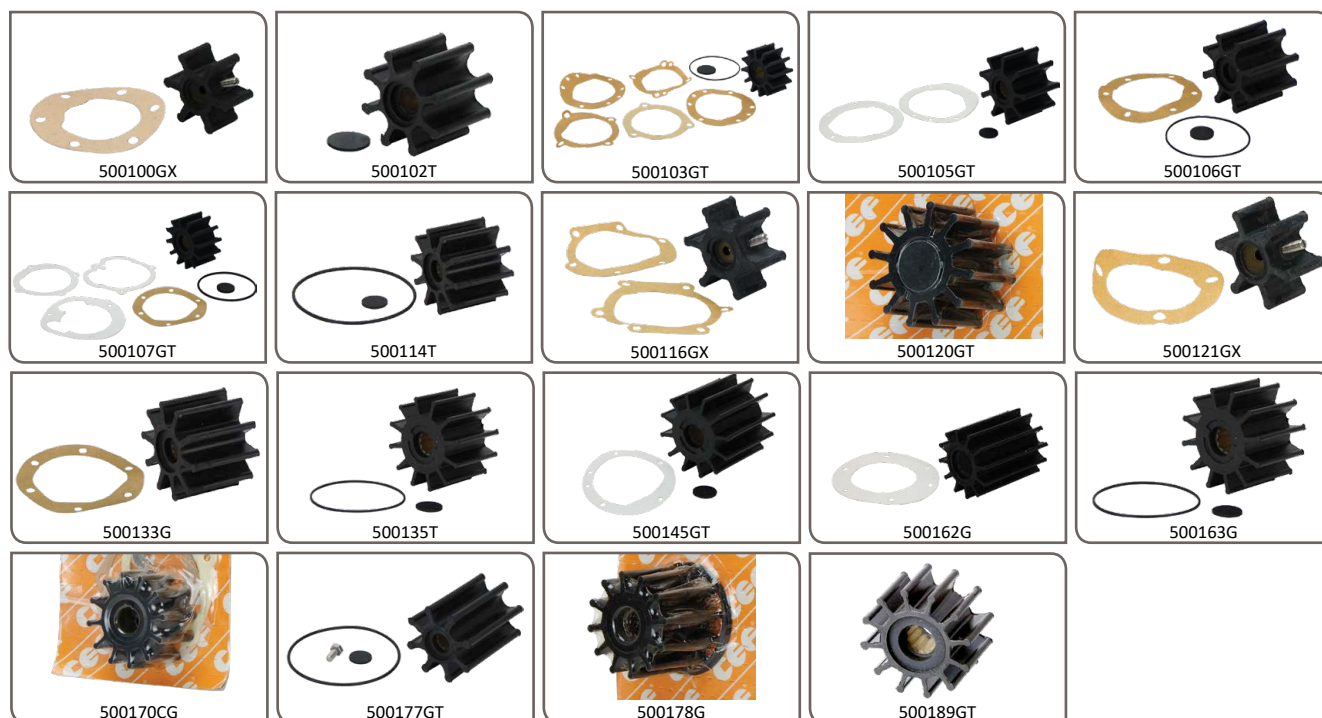
Applications	Remarks	Part No.
15 HP - 18HP	4 strokes	<b>500383</b>
20 HP	4 strokes	<b>500383</b>
25 HP, 30 HP	2 strokes	<b>500382</b>
35 HP	2 strokes	<b>500382</b>
40 HP - 50 HP	2 strokes	<b>500379</b>
60 HP, 70 HP, 90 HP	2 strokes	<b>500388</b>
115HP - 120 HP - 140 HP	2 strokes	<b>500388</b>

### Impellers - Vetus®



Part No.	OEM Part No.
<b>500100GX</b>	OE IMP00501
<b>500101GX</b>	OE STM8061
<b>500105GT</b>	OE IMP00901
<b>500106GT</b>	OE IMP00301
<b>500107GT</b>	OE IMP00201

Part No.	OEM Part No.
<b>500116GX</b>	OE IMP00101
<b>500121GX</b>	OE IMP00601
<b>500145GT</b>	OE IMP00801
<b>500146X</b>	OE IMP00701

**Impellers - Volvo - Penta®**


Part No.	OEM Part No.	Part No.	OEM Part No.	Part No.	OEM Part No.
500100GX	OE 3586494 OE 803729 OE 875807-0 OE 876554-7 OE 833550 OE 21972908	500114T	OE 3588475	500163G	OE 3830459
500102T	OE 818680	500116GX	OE 804696 OE 875808-8 OE 876690 OE 3593659 OE 21951344 OE 897055 OE 3580066 OE 3586497	500170CG	OE 875575-3 OE 21951350 OE 831182
500103GT	OE 835512-5 OE 3854286	500120GT	OE 835874	500177GT	OE 3583602 OE 3588476 OE 3593573 OE 3819486
500105GT	OE 875736-1 OE 807904 OE 875660-3 OE 21730344 OE 21430184 OE 21951360	500121GX	OE 3586496 OE 875583-7 OE 21951342 OE 833995	500178G	OE 21213664 OE 3842786 OE 21951352 OE 3593660 OE 21212794 OE 3584350 OE 3588914
500106GT	OE 3841697 OE 875593-6 OE 877061-2 OE 21951356	500133G	OE 834794 OE 876120	500189GT	OE 21213660 OE 3862567 OE 21951348
500107GT	OE 3862281 OE 875811-2 OE 877400 OE 21951346 OE 3858256 OE 3862567 OE 3855546 OE 3856039 OE 21951348	500135T	OE 877066 OE 21951362		
		500145GT	OE 875697 OE 875814 OE 21951364		
		500162G	OE 876771 OE 21951358 OE 3887761		

**Impellers - Westerbeke®**


Part No.	OEM Part No.	Part No.	OEM Part No.
500103GT	OE 11907 OE 33104	500166G	OE 11764 OE 33112
500120GT	OE 33779		
500121GX	OE 32620		
500165G	OE 302875		

Impellers - Yamaha®



Part No.	OEM Part No.
500302	OE 6G1-44352-00-00
500316	OE 697-44352-00-00 OE 6H3-44352-00-00
500320	OE 682-44352-01-00
500321	OE 662-44352-01-00
500322	OE 6L5-44352-00-00
500323	OE 688-44352-03-00
500325	OE 6E0-44352-00-00
500326	OE 689-44352-02-00
500352	OE 6F5-44352-00-00

Part No.	OEM Part No.
500363	OE 63V-44352-01-00
500364	OE 67F-44352-00-00
500368	OE 68T-44352-00-00 OE 6E5-44352-01-00
500371	OE 6E5-44352-00-00 OE 6E5-44352-01-00
500384	OE 6L2-44352-00-00
500385G	OE 6H4-44352-02-00
500389N	OE 6AW-44352-00

Applications	Remarks	Part No.
3 HP MALTA (1988-2002)		500322
4 HP (1984-1999)		500325
5 HP (1984-2002)		500325
6 HP non domestic (all /tutti)		500321
6 HP, 8 HP (1984-2005)	2 strokes	500302
8 HP non domestic (all)		500321
9.9 HP (1984-1995)		500320
9.9 HP (1996-2004)		500363
15 HP (1984-1995)		500320
15 HP (1996-2004)		500363
20/25 N (1991 >)	2 strokes	500384
25 HP (1984-1987)		500326
25 HP (1999)		500385G
25 HP 25MSHC/D (2004-2005)		500384
25 HP MHY (2000)		500384
25 HP MHZ3_30MH_EH_ERZ (2001)		500385G
25 HP MSH3A_30MSHA3 (2001)		500385G
25 HP MSHA/B (2001)		500384
30 HP (1984-1986)		500326
30 HP (1987-1995)		500385G
30 HP (1997-1998)		500385G
40 HP (1984-1994)		500385G
40 HP (1995-2005)		500316
50 HP (1984-1994)		500385G
50 HP (1995-2005)		500316
50 HP Jet (1986-1989)		500385G
55 HP (1989-1993)		500316
60 HP (2001)		500316

Applications	Remarks	Part No.
60 HP (2004-2005)		500323
70 HP (1984-2003)		500316
80 HP, 100 HP (1999 >)		500364
85 HP (1985)		500323
85E HP (1989-1990)		500323
90 HP (1984-2005)		500323
115 HP (6N6) (6E5) (1989-2005)		500371
130 HP ( 2000-2004)		500371
130 HP (6L1) (1988-1992)		500371
130 HP (6N7) ( 1988-1996)		500371
150 HP (6E5) (1997-2005)		500371
150 HP (6R2) (1992-1999)		500371
150 HP (6R2) (6G4) (1984-1991)		500371
175 HP (6G5) (1984-1991)		500371
175 HP (6R3) (1992-2000)		500371
175 HP ETLN (1984)		500371
200 HP (6G6) (1984-1991)		500371
200 HP (6R4) (1984-1991)		500371
200 HP (6R4) (1992-1999)		500371
200 HP ETLN (1984)		500371
225 HP (1992-99)		500371
225 HP (6R5) (1990-1991)		500371
250 HP (1990-1996)		500371
300 HP		500389N
350 HP		500389N
B90 (1997-1999)		500323
C25 (1990-1997)		500326
C30 (1990-1992)		500326





## Impellers - Yamaha®

Applications	Remarks	Part No.
C40 (1992-1997)		500352
C40 (1997-2002)		500316
C50 (1999-2001)		500316
C55, Drive I (1991-1995)		500316
C55, Drive II (1991-1995)		500316
C60 (1996-2001)		500316
C70 (2000-2001)		500316
C75 (1994-1999)		500323
C80 (1997)		500323
C85 (1989-1997)		500323
C90 (1997-2001)		500323
C115 (1991-1996)		500371
C115 (2000)		500371
CV25 (1990)		500326
CV30 (1989-1990)		500326
CV40 (1990)		500352
CV55, Drive I (1989-1990)		500316
CV55, Drive II (1989-1990)		500316
CV85 (1989-1991)		500323
DX150 (1999-2004)		500371
E48 (1995-2000)		500316
E60 (1995-2000)		500316
E75 (1995-2000)		500323
F2.5 HP (2003-2005)		500322
F4 (2000-2005)		500325
F6/F8 (2001-2005)		500368
F9.9 (1985-1998)		500320
F15 (1998-2005)		500363
F25 (1998-2005)		500385G
F30 (2001-2002)		500385G
F40 (1999)		500316
F40 (2000-2004)		500385G
F40 2,6L (1999)		500316
F50 (1999-2005)		500316
F60 (2002-2005)		500316
F75 (2003-2005)		500364
F80 (1999-2003)		500364
F90 (2004-2005)		500364
F100 (1999-2003)		500364
F115 (2000-2005)		500371
F180 (2003)		500364
F200 (2005)		500371
F225 (2002)		500371
F250 (2005)		500371
FT9.9 (1985-1990)		500320
L130 (2000-2001)		500371
L130 (6L6) (1989-1992)		500371
L130 (6N4) (1989-1996)		500371
L150 (6K0) (1986-1991)		500371
L150 (6R0) (1986-1999)		500371

Applications	Remarks	Part No.
L200 (1992-1999)		500371
L200 (6K1) (1986-1991)		500371
L200 (6R1) (1986-1991)		500371
L225 (1994-1999)		500371
L250 (1990-1999)		500371
LF115 (2000-2004)		500371
LF200 (2002-2005)		500371
LF225 (2002-2005)		500371
LF250 (2005)		500371
LX150 (1999-2004)		500371
LX200 (1999-2003)		500371
LX225 (2000-2003)		500371
LX250 (2000-2003)		500371
LZ150 (2001-2005)		500371
LZ200 (2000-2005)		500371
LZ250 (2003-2005)		500371
LZ300 (2004-2005)		500371
P40 (1998)		500316
P50 (1991-1993)		500385G
P50 (1995-1996)		500316
P60 (1991-1999)		500316
P75 (1996-1999)		500323
P115 (62A) (1993-1996)		500371
P150 (1986-1999)		500371
P175 (62H) (1994-1999)		500371
P200 (1991-1999)		500371
PRO 50 (1987-1994)		500385G
PRO V150 (6J9) (1986-1989)		500371
PRO V150D (6N9) (1990)		500371
PX150 (1999)		500371
S225 (1994-1999)		500371
S250 (1997-1999)		500371
SX150 (1999-2004)		500371
SX200 (1999-2005)		500371
SX225 (2000-2003)		500371
SX250 (2000-2003)		500371
T8 (2001-2005)		500363
T9.9 (1985-1999)		500320
T9.9 (2005)		500363
T25 (2001-2005)		500385G
T50 (1996-2005)		500316
T60 (2003-2004)		500316
V6 Excell (6K7) (1987-1989)		500371
V6 Special (6G7) (1984-1986)		500371
V150-225 HP (1998-2005)		500371
VX150-250 HP (2000-2004)		500371
VZ150-350 HP (2001-2005)		500371
Z150-300 HP (2000-2005)		500371

Impellers - Yanmar®



Part No.	OEM Part No.
500100GX	OE 104211-42070
500106GT	OE 127610-42200
500107GT	OE 129470-42530 OE 129470-42532 OE 129670-42531
500108CGT	OE 124310-46090 OE 145410-46090
500113	OE 128176-42071
500114T	OE 127610-42200
500124	OE 124223-42092

Part No.	OEM Part No.
500129	OE 104223-42091 OE 124223-42092
500130	OE 128170-42070
500145GT	OE 16500-35270
500161	OE 119593-42200
500162G	OE 119574-42550
500165G	OE 128620-42200
500192GX	OE 128620-42201





## Impeller Chart

Part No.	Blades	Drive Type	Shaft Diameter (mm)	Overall Diameter (mm)	Depth (mm)	Material	Suits OEM Pump/Engine	Nitrile Version
500100GX	6	Pin Drive	9.54	39.6	18.94	Neoprene	Jabsco / Johnson Pump / Renault / Sherwood / Vetus / Volvo-Penta / Yanmar / JMP / BUKH / Onan / Perkins	-
500101GX	6	Pin Drive	12.17	50.8	22.1	Neoprene	Jabsco / Johnson Pump / JMP	500201GX
500102T	8	Key Drive (4.8mm Width)	15.9	65	50.2	Neoprene	Jabsco / Volvo-Penta / DJ Pump / Oberdorfer	-
500103GT	12	Key Drive	15.9	62	31.7	Neoprene	Jabsco / Sherwood / Volvo-Penta / Westerbeke / DJ Pump / Crusader / Onan / Perkins	-
500104T	12	Spline Drive	16 / 14.29	57	50.2	Neoprene	Jabsco	-
500105GT	9	Spline Drive	25 / 22.5	95	63.1	Neoprene	Jabsco / Johnson Pump / Renault / Vetus / Volvo-Penta / DJ Pump / JMP / Caterpillar / Cummins / Detroit Diesel / Kashiya / Nikkiso / Oberdorfer / Perkins	500205GT
500106GT	8	Spline Drive	16 / 14.29	65	50.2	Neoprene	Jabsco / Johnson Pump / Mercruiser / Renault / Sole / Vetus / Volvo-Penta / Yanmar / DJ Pump / JMP / Caterpillar / Cummins / Detroit Diesel / Kashiya / Nikkiso / Perkins	500206GT
500107GT	12	Spline Drive	16 / 14.29	57	31.6	Neoprene	Jabsco / Johnson Pump / Sole / Vetus / Volvo-Penta / Yanmar / DJ Pump / JMP / Kashiya / Nikkiso / Onan / Perkins	500207GT
500108CGT	12	Key Drive	15.93	57	31.6	Neoprene	Jabsco / Yanmar / Oberdorfer	-
500109T	8	Single Flat	16.85	66.5	50.6	Neoprene	Mercruiser	-
500110	6	Single Flat	7.31	50.8	22.1	Neoprene	Jabsco	500210
500113	6	Single Flat	8	31.3	11.9	Neoprene	Jabsco / Yanmar	-
500114T	10	Spline Drive	16 / 14.29	65	50.1	Neoprene	Jabsco / Sherwood / Volvo-Penta / Yanmar / JMP / Perkins	-
500115T	9	Spline Drive	25 / 22.5	95	88.5	Neoprene	Jabsco / Johnson Pump / DJ Pump / JMP / Kashiya	-
500116GX	6	Pin Drive	12.66	50	22.1	Neoprene	Jabsco / Johnson Pump / Vetus / Volvo-Penta / DJ Pump / JMP	-
500120GT	12	Key Drive	15.9	65.2	41.3	Neoprene	Jabsco / Sherwood / Volvo-Penta / Westerbeke / DJ Pump / JMP / Crusader / Oberdorfer / Perkins	-
500121GX	6	Pin Drive	12	39.6	19.2	Neoprene	Jabsco / Johnson Pump / Vetus / Volvo-Penta / Westerbeke / DJ Pump / JMP	-
500123X	6	Pin Drive	12	52	25	Neoprene	Sole	-
500124	12	Spline Drive	16 / 14.29	57	48.2	Neoprene	Jabsco / Johnson Pump / Yanmar / DJ Pump	-
500129	6	Key Drive	12.75	50.8	22.1	Neoprene	Jabsco / Yanmar / DJ Pump	-
500130	6	Single Flat	8	31.75	12	Neoprene	Jabsco / Yanmar	-
500131X	6	Pin Drive	10	39.6	19.2	Neoprene	Sole	-
500132	6	Single Flat	8	44.6	13	Neoprene	Johnson Pump	-
500133G	10	Spline Drive	16 / 14.29	57.18	50.25	Neoprene	Jabsco / Volvo-Penta	-
500135T	12	Spline Drive	25 / 22.5	95	63.1	Neoprene	Jabsco / Johnson Pump / Volvo-Penta / DJ Pump / JMP / Caterpillar / Detroit Diesel / Oberdorfer	500235T
500138	6	Single Flat	7.31	51.3	22	Neoprene	Jabsco	-
500144	9	Spline Drive	25 / 22.5	117.6	88.5	Neoprene	Jabsco / DJ Pump	-
500145GT	12	Spline Drive	25 / 22.5	95	88.5	Neoprene	Jabsco / Johnson Pump / Vetus / Volvo-Penta / DJ Pump / JMP / Caterpillar / Detroit Diesel / Perkins / Yanmar	-
500146X	10	Pin Drive	12.17	51.8	22	Neoprene	Jabsco / Vetus / DJ Pump / JMP	-
500148	10	Single Flat	16.85	65	50.7	Neoprene	Jabsco / DJ Pump	-
500152	12	Double Flat	20.2	95	88.5	Neoprene	Jabsco / DJ Pump	-
500153G	9	Double Flat	20.2	117.6	88.5	Neoprene	Jabsco	-
500155	8	Spline Drive	16 / 14.29	58.65	36.65	Neoprene	Jabsco	-
500156GX	10	Pin Drive	12.66	51.8	22	Neoprene	Jabsco / JMP / Perkins	-
500157	10	Double Flat	13.42	57.18	50.25	Neoprene	Jabsco	-
500159	8	Double Flat	11.4	66.5	50.6	Neoprene		-
500161	10	Spline Drive	16 / 14.29	65	68.2	Neoprene	Mercruiser / Yanmar	-
500162G	12	Spline Drive	25 / 22.5	65.7	80	Neoprene	Johnson Pump / Volvo-Penta / Yanmar / DJ Pump	-
500163G	12	Spline Drive	25 / 22.5	95	95	Neoprene	Jabsco / Volvo-Penta / DJ Pump / JMP	-
500164GT	12	Key Drive	20.1	84	73.5	Neoprene	Jabsco / Sherwood / DJ Pump / JMP / Caterpillar / Cummins	-





# Impeller Chart

Part No.	Blades	Drive Type	Shaft Diameter (mm)	Overall Diameter (mm)	Depth (mm)	Material	Suits OEM Pump/Engine	Nitrile Version
500165G	12	Key Drive	15.95	62.5	22.4	Neoprene	Sherwood / Westerbeke / DJ Pump / JMP / Yanmar	-
500166G	12	Key Drive	12.8	57	19.8	Neoprene	Sherwood / Westerbeke / DJ Pump / JMP	-
500167G	12	Key Drive	16	65	51.2	Neoprene	Sherwood / DJ Pump	-
500170CG	12	Key Drive	16	57	31.6	Neoprene	Johnson Pump / Volvo-Penta	-
500177GT	8	Spline Drive	16 / 14.29	65.2	75.65	Neoprene	Jabsco / Volvo-Penta / JMP / Caterpillar	-
500178G	12	Spline Drive	16 / 14.29	57	48.2	Neoprene	Volvo-Penta	-
500179GX	10	Puller Drive	20.7	114.3	109.5	Neoprene	Sherwood	-
500181G	12	Puller Drive	16.1	84	73	Neoprene	Sherwood / DJ Pump / Cummins	-
500182GX	12	Puller Drive	20.7	94.5	101.5	Neoprene	Sherwood	-
500183G	12	Puller Drive	20	94.5	79.8	Neoprene	Sherwood	-
500185	11	Double Flat	25.4	94	63	Neoprene	Johnson Pump	-
500186T	12	Spline Drive	25 / 22.5	96.5	130	Neoprene	Johnson Pump / DJ Pump	-
500188CT	8	Key Drive (3.9mm Width)	15.93	65	50.2	Neoprene	Fynspray	-
500189GT	12	Spline Drive	16 / 14.29	57	32.05	Neoprene	Volvo-Penta	-
500190G	6	Single Flat	12.2	19	40	Neoprene	Sherwood / DJ Pump / JMP / Cummins / Kohler	-
500192GX	12	Puller Drive	20	94.5	101.5	Neoprene	Sherwood / Yanmar	-
500193GX	10	Puller Drive	24.35	114.3	109.5	Neoprene	Sherwood	-
500201GX	6	Pin Drive	12.17	50.8	22.1	Nitrile	Jabsco / Johnson Pump	500101GX
500205GT	9	Spline Drive	25 / 22.5	95	63.1	Nitrile	Jabsco / Johnson Pump	500105GT
500206GT	8	Spline Drive	16 / 14.29	65	50.2	Nitrile	Jabsco / Johnson Pump / DJ Pump / Oberdorfer	500106GT
500207GT	12	Spline Drive	16 / 14.29	57	31.6	Nitrile	Jabsco / Johnson Pump	500107GT
500210	6	Single Flat	7.31	50.8	22.1	Nitrile	Jabsco / Johnson Pump	500110
500235T	12	Spline Drive	25 / 22.5	95	63.1	Nitrile	Jabsco / Johnson Pump	500135T
500238	6	Single Flat	7.31	51.3	22	Nitrile	Jabsco / Johnson Pump	-
500258	6	Specific Drive	-	39.1	18.9	Nitrile	Jabsco	-
500301N	6	Key Drive	22.4	89	32.5	Neoprene	Mercuriser / Honda / Mariner / Mercury	-
500302	6	Key Drive	11.9	40	18	Neoprene	Yamaha	-
500303NBK	6	Key Drive	19.15	91.5	25.4	Neoprene	Evinrude - Johnson	-
500303NWK	6	Key Drive	19.15	91.5	25.4	Neoprene	Evinrude - Johnson	-
500305N	6	Key Drive	22.3	89	31.9	Neoprene	Evinrude - Johnson	-
500307	6	Key Drive	19.25	91.5	25.4	Neoprene	Evinrude - Johnson	-
500308CR	6	Key Drive	22.31	89	32.03	Neoprene	Evinrude - Johnson	-
500310	6	Key Drive	11.6	32	14.4	Neoprene	Mercury	-
500311G	6	Key Drive	15.95	51.2	19.05	Neoprene	Mercury	-
500312	6	Key Drive	19.13	51.8	19	Neoprene	Mariner / Mercury / Suzuki	-
500313G	6	Key Drive	22.3	60	33.8	Neoprene	Mercuriser / Mariner / Mercury / Chrysler / Force	-
500314	6	Key Drive	11	32	14.35	Neoprene	Mercury	-
500315	6	Key Drive	16	73	12.6	Neoprene	Mercury	-
500316	6	Key Drive	18.05	51.8	19	Neoprene	Yamaha / Selva	-
500318	6	Key Drive	13	58.8	11.7	Neoprene	Mercury	-
500320	6	Key Drive	13	40	22	Neoprene	Yamaha	-
500321	6	Key Drive	14	40	22	Neoprene	Yamaha	-
500322	6	Key Drive	10	36	14.5	Neoprene	Parsun / Yamaha	-
500323	6	Key Drive	20.1	58	30	Neoprene	Yamaha	-
500325	6	Key Drive	11	40	12.6	Neoprene	Hidea / Mercury / Parsun / Yamaha	-
500326	6	Key Drive	16.15	69.5	12.72	Neoprene	Yamaha	-
500327	8	Single Flat	13.15	41	23	Neoprene	Honda	-
500328	6	Single Flat	13.15	41	28.55	Neoprene	Honda	-
500329	6	Key Drive	13.2	39.3	22	Neoprene	Suzuki	-



# Impeller Chart

Part No.	Blades	Drive Type	Shaft Diameter (mm)	Overall Diameter (mm)	Depth (mm)	Material	Suits OEM Pump/Engine	Nitrile Version
500330	6	Key Drive	11	36.5	18.1	Neoprene	Chrysler / Force	-
500331	6	Key Drive	16	38.5	21.8	Neoprene	Mercury	-
500332	3	Key Drive	11.12	39	17.7	Neoprene	Evinrude - Johnson	-
500334	6	Key Drive	12.85	57	14.8	Neoprene	Chrysler / Force	-
500337	6	Key Drive	23.35	87.8	31	Neoprene	Honda	-
500338	6	Key Drive	17.2	55.75	20.2	Neoprene	Honda	-
500339T	6	Key Drive	17.2	55.75	20.2	Neoprene	Honda	-
500342	6	Key Drive	15.95	57	15	Neoprene	Chrysler / Force	-
500343	6	Key Drive	14.1	41	28.55	Neoprene	Honda	-
500344	6	Key Drive	12	40	18	Neoprene	Tohatsu	-
500345	6	Key Drive	16.04	69.2	22.25	Neoprene	Evinrude - Johnson	-
500346C	6	Key Drive	16.04	70	22.3	Neoprene	Evinrude - Johnson	-
500347	6	Key Drive	13	45.6	14.8	Neoprene	Honda	-
500348	6	Key Drive	16.2	45.6	14.8	Neoprene	Honda	-
500350	6	Key Drive	10.93	69	12.72	Neoprene	Evinrude - Johnson	-
500351	6	Key Drive	12.75	69	12.72	Neoprene	Evinrude - Johnson	-
500352	6	Key Drive	16.04	69.8	22.1	Neoprene	Evinrude - Johnson / Yamaha	-
500354G	6	Key Drive	11.2	38.4	17.9	Neoprene	Evinrude - Johnson	-
500355	6	Key Drive	12.75	38.4	17.8	Neoprene	Evinrude - Johnson	-
500358	6	Key Drive	10.94	38.4	17.8	Neoprene	Evinrude - Johnson	-
500360	6	Key Drive	20	67.5	19	Neoprene	Suzuki	-
500361	6	Key Drive	17.1	67	19	Neoprene	Suzuki	-
500362G	6	Key Drive	17.1	67	16.5	Neoprene	Evinrude - Johnson / Suzuki	-
500363	6	Key Drive	12.85	53	14	Neoprene	Parsun / Yamaha / Selva	-
500364	6	Key Drive	20	58.2	34.7	Neoprene	Yamaha / Selva	-
500365	6	Key Drive	22.2	78.3	26	Neoprene	Suzuki	-
500367N	6	Key Drive	24.4	86	31.7	Neoprene	Suzuki	-
500368	6	Key Drive	11.6	53	14	Neoprene	Yamaha / Selva / Hidea	-
500370C	6	Key Drive	15.94	51.2	19.05	Neoprene	Evinrude - Johnson	-
500371	6	Key Drive	22.4	89	31	Neoprene	Yamaha / Selva	-
500372C	3	Key Drive	19.15	91.3	25.4	Neoprene	Evinrude - Johnson	-
500373C	3	Key Drive	19.15	91.3	25.4	Neoprene	Evinrude - Johnson	-
500377	6	Key Drive	10.25	33.6	14.2	Neoprene	Mercury / Tohatsu	-
500378	6	Key Drive	19.25	78.2	25.15	Neoprene	Mariner / Mercury	-
500379	6	Key Drive	17.2	50.4	20.2	Neoprene	Tohatsu	-
500382	6	Key Drive	17.2	44.25	20.25	Neoprene	Tohatsu	-
500383	8	Key Drive	13.97	40.8	23.4	Neoprene	Tohatsu	-
500384	6	Key Drive	13.97	51.2	19.05	Neoprene	Yamaha	-
500385G	6	Key Drive	16.1	51.2	19.05	Neoprene	Parsun / Yamaha / Selva	-
500388	6	Key Drive	20.3	65.75	35.2	Neoprene	Tohatsu	-
500389N	6	Key Drive	24.6	89	36	Neoprene	Yamaha	-
500390	6	Key Drive	21	57.2	29.6	Neoprene	Chrysler / Force	-
500391	6	Key Drive	26	89.75	31.3	Neoprene	Honda	-
500392	10	Key Drive	15.95	57.5	14.65	Neoprene	Chrysler / Force	-
500393	5	Key Drive	24.3	87	39	Neoprene	Suzuki	-
500394	10	Specific Drive	12.7	58.5	21.5	Neoprene	Evinrude - Johnson / OMC	-
500396	6	Key Drive	12	41	14	Neoprene	Evinrude - Johnson / Mercury / Tohatsu	-
500400N	12	V Double Flat	12	66	41	Neoprene	OMC / Chrysler / Force	-

### Steering Cable Bellows - CEF®



Part No.	Description	External (mm)	Hole (mm)
500535K	CEF® Steering Cable Bellows	Ø 38	Ø 24

### CEF® Bellows - OMC



500400N

NEW ENTRY



500524



500514K



500540K

NEW ENTRY

Part No.	OEM Part No.
500400N	OE 3854072 OE 987176
500514K	OE 983973 OE 987467

Part No.	OEM Part No.
500524	OE 53114A1
500540K	OE 3852741

### CEF® Bellows - Mercruiser®



500507K



500508K



500509K



5005011K



500513K



500515K



500516K



500520K



500522K



500523



500524



500532

Part No.	OEM Part No.
500507K	OE 32-44348T
500508K	OE 32-14358T
500509K	OE 86840A3
500511K	OE 32-90949T
500513K	OE 74639 OE 74639A2
500515K	OE 816431A1

Part No.	OEM Part No.
500516K	OE 60932A4
500520K	OE 78458A1
500522K	OE 36223A2
500523	OE 70981A3
500524	OE 53114A1
500532	OE 32-807458T





CEF® Bellows - Volvo - Penta®



Part No.	OEM Part No.
500505	OE 875829-4 OE 875848-4 OE 876631-3
500505FL	OE 875828-6 OE 876633-9
500510K	OE 876294-0 OE 875256-0
500514K	OE 3841481 OE 3854127
500528K	OE 3850426
500530	OE 858955
500531	OE 860396 OE 3858139

Part No.	OEM Part No.
500533K	OE 3860384 OE 3858139
500534	OE 3852696
500536K	OE 3888916
500537K	OE 3594509
500538K	OE 3588753
500540K	OE 3852742
500500K	OE 876631-3

CEF® Hoses / Clamp Rings / Sail Drive Hull Seal

CEF® Hoses - Volvo - Penta®



Part No.	OEM Part No.
501002	OE 876632
501011	OE 875822-9 OE 897599-7

CEF® Clamp Rings - Volvo - Penta®



Part No.	OEM Part No.
501006	OE 804190
501007	OE 813967

CEF® Sail Drive Hull Seal - Volvo - Penta®



Part No.	OEM Part No.
501001	OE 854932

# Spark Plugs

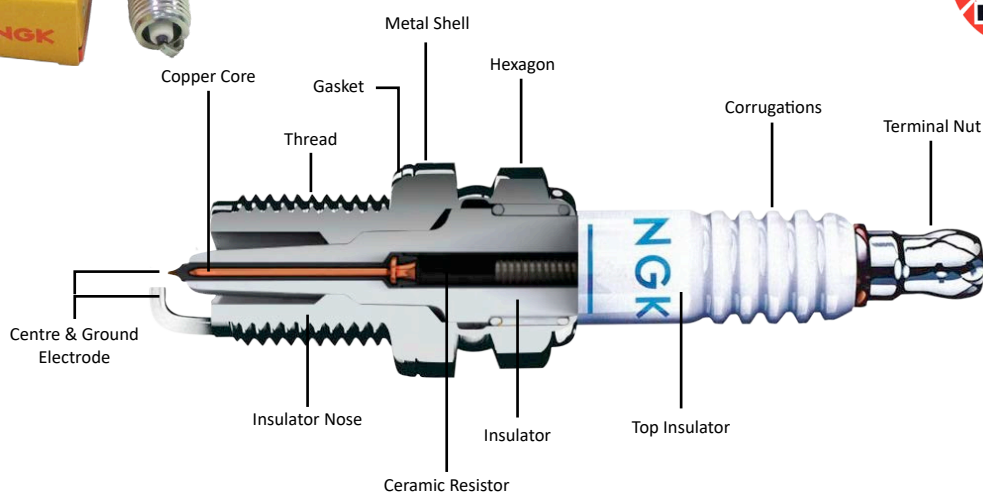
## NGK® Spark Plugs



What is a Spark Plug & what does it do?

An internal combustion engine requires three key ingredients to operate: air, fuel and spark. A spark plug is a critical engine component that provides the spark that ignites the air-fuel mixture that drives an engine.

A spark plug operates by directing electrical current to flow through a centre electrode, forming a spark across an electrode (or air) gap, completing the circuit to a ground electrode. The centre electrode is surrounded by a ceramic insulator which is non-conductive preventing current leakage and ensuring electricity flows in the desired direction.



### NGK® Spark Plugs

Part No.	NGK Part No.	Carton Qty	Part No.	NGK Part No.	Carton Qty
375000	AR6FS	10	375084	BKR5E	10
375002	B2-LM	10	375085	BKR5EIX-11	4
375004	B-4H	10	375088	BKR5EYA	10
375008	B5HS	10	375090	BKR5EYA-11	10
375012	B6ES	10	375092	BKR6E	10
375016	B6FS	10	375096	BKR6E-11	10
375020	B6HS	10	375100	BKR6EIX	4
375024	B6HS-10	10	375104	BKR6EKB-11	10
375028	B6S	10	375108	BKR6EKU	10
375032	B7ES	10	375109	BKR6ES-11	10
375036	B7HS	10	375110	BKR7E	10
375040	B7HS-10	10	375112	BKR7EKU	10
375044	B7S	10	375116	BKR7ES-11	10
375046	B8EG	10	375120	BKR8E-11	10
375048	B8ES	10	375124	BM4A	10
375052	B8HS	10	375128	BM6A	10
375056	B8HS-10	10	375132	BM6F	10
375060	B8S	10	375136	BMR4A	10
375062	B9EG	4	375140	BMR6A	10
375064	B9ES	10	375144	BMR7A	10
375068	B9HS	10	375147	BP4ES	10
375072	B9HS-10	10	375148	BP4EY	10
375076	B9HVX	4	375152	BP4FS	10
375080	BCP6ES-11	10	375154	BP5ES	10



## NGK® Spark Plugs

Part No.	NGK Part No.	Carton Qty
375156	BP5ES-11	10
375160	BP5EY	10
375164	BP5FS	10
375168	BP5HS	10
375170	BP5S	10
375172	BP6ES	10
375176	BP6F	10
375180	BP6FS	10
375184	BP6HS	10
375188	BP6HS-10	10
375192	BP6S	10
375194	BP7ES	10
375196	BP7HS	10
375200	BP7HS-10	10
375204	BP8H-N-10	10
375208	BP8HS	10
375212	BP8HS-10	10
375216	BP8HS-15	10
375220	BPM7A	10
375224	BPMR4A	10
375228	BPMR6A	10
375232	BPMR6F	10
375236	BPMR7A	10
375238	BPR2ES	10
375240	BPR4ES	10
375244	BPR4HS	10
375246	BPR4-FS-15	10
375247	BPR4FS	10
375248	BPR5EFS	10
375249	BPR5EFS-13	10
375250	BPR5FS-11	10
375252	BPR5EFVX	4
375256	BPR5ES	10
375260	BPR5EY-11	10
375264	BPR5FS	10
375268	BPR5HS	10
375270	BPR6E	10
375272	BPR6EF	10
375276	BPR6EFIX-15	4
375280	BPR6EFS	10
375282	BPR6EFS-13	10
375284	BPR6EFS-15	10
375288	BPR6ES	10
375290	BPR6ES-11	10
375292	BPR6EY	10
375296	BPR6FS	10
375300	BPR6HS	10
375304	BPR6HS-10	10
375308	BPR7EIX	4
375312	BPR7ES	10

Part No.	NGK Part No.	Carton Qty
375316	BPR7HS	10
375320	BPR7HS-10	10
375324	BPR8ES	10
375328	BPR8HS	10
375332	BPZ8H-N-10	10
375336	BPZ8HS-10	10
375340	BPZ8HS-15	10
375344	BR2-LM	10
375348	BR4HS	10
375349	BR4ES	10
375350	BR5ES	10
375352	BR5FS	10
375356	BR5HS	10
375360	BR6ES	10
375361	UR55IX	4
375362	UR6IX	4
375363	XR5IX	4
375364	BR6FS	10
375368	BR6HIX	4
375372	BR6HS	10
375376	BR6HS-10	10
375380	BR6S	10
375384	BR7EF	10
375388	BR7ES	10
375392	BR7HS	10
375396	BR7HS-10	10
375400	BR8EIX	4
375402	BR8EG	4
375404	BR8ES	10
375408	BR8ES-11	10
375412	BR8ESSP	10
375416	BR8HCS-10	10
375420	BR8HIX	4
375424	BR8HS	10
375428	BR8HS-10	10
375430	BR8HVX	4
375432	BR9ES	10
375434	BR9ESSP	10
375436	BR9HS	10
375440	BR9HS-10	10
375442	BR10EIX	4
375443	B10EG	4
375444	BU8H	10
375448	BUH	10
375452	BUHW	10
375456	BUHW-2	10
375460	BUHX	10
375464	BUHXW-1	10
375468	BU10H	10
375472	BUZ8H	10



## NGK® Spark Plugs

Part No.	NGK Part No.	Carton Qty	Part No.	NGK Part No.	Carton Qty
375476	BUZHW	10	375586	IZFR6Q	4
375480	BUZHW-2	10	375587	IZFR6K-11E	4
375484	BZ7HS-10	10	375588	IZFR6F11	4
375485	CPR6EA-9	10	375589	LFR4A-E	10
375488	CMR6A	10	375590	IZFR6K-11	4
375489	CMR6H	10	375591	IZFR6N-E	4
375490	CMR5H	10	375592	LFR5A-11	10
375492	CMR7H	10	375593	LKR7E	10
375496	CR4HSB	10	375594	LMAR6-C9	10
375500	CR5EH-9	10	375595	LKR6E	10
375504	CR5HSA	10	375596	LFR6A-11	10
375507	CR6E	10	375597	PFR5G-13E	4
375508	CR5HSB	10	375598	PMR9B	4
375509	CR6HSB	10	375599	PTR5A-10	4
375510	CR9EB	10	375600	PZFR5F-11	4
375511	CR7EK	10	375601	LMAR9E-J	10
375512	CR6HSA	10	375602	PTR6F-13	4
375513	CR9EK	10	375603	LKR6E-9N	4
375514	CR8EK	10	375604	PZFR6H	4
375515	CR10EK	10	375605	PZFR7G-G	4
375516	D6HA	10	375606	R5672A-8	10
375517	CR9EKB	10	375607	PZTR5A-15	4
375518	D9EA	10	375608	R5674-8	10
375520	DCPR6E	10	375609	R5671A-8	10
375524	DCPR7E	10	375610	R6918C-9	10
375528	DCPR8E	10	375611	R5673-8	10
375532	DCR7EIX	4	375612	TR55IX	4
375536	DPR5EA-9	10	375613	TR5-11X	4
375540	DPR6EA-9	10	375614	TBO5EM	1
375544	DPR6EB-9	10	375615	TR5IX	4
375545	DPR7EA-9	10	375616	ZFR4F-11	10
375548	DPR7EIX-9	4	375618	ZFR5F	10
375552	DPR8EA-9	10	375620	ZFR5F-11	10
375556	DR5HS	10	375624	ZFR6F-11	10
375560	DR6HS	10	375626	ZFR6K-11	10
375564	DR7EA	10	375627	ZFR6K-11E	10
375566	DR7EB	10	375628	ZFR7F-11	10
375568	DR8EIX	4	375629	ZFR7F	10
375570	DR8ES-L	10	375630	IRIMAC9	4
375571	IFR6T11	4	375700	LB05E	10
375572	IGR5C13	4	375704	TB05EMA	1
375573	ITR4-A15	4			
375574	ILFR6B	4			
375576	ILFR6G	4			
375577	ILFR6G-E	4			
375578	IMR9D-9H	4			
375579	IKR6G8	4			
375580	IZFR5G	4			
375584	IZFR5J	4			
375585	IZFR6J	4			



