



**"YOUR ONE STOP FUEL SYSTEMS SHOP"**  
Over 40 years of experience in the Motorsport industry.  
Design, development and manufacture of flexible safety crash resistant fuel systems and refuelling equipment.

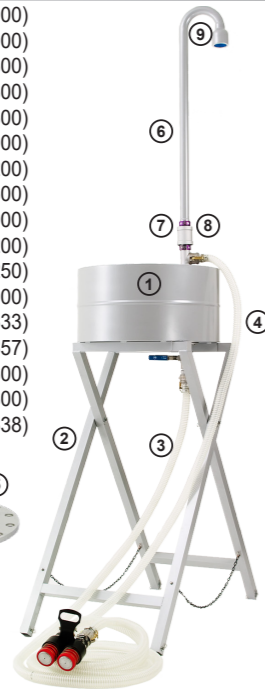
# PREMIER FUEL SYSTEMS LTD

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## FIA REFUELLING RIG AND ASSOCIATED PARTS

- ① Refuelling Rig Drum (200ltr) (0200-0000)
- ② Refuelling Rig Leg Assembly (0230-0000)
- ③ 1½" Smooth Bore Fill Hose x 5m (4500-3800)
- ④ 1½" Convuluted Vent Hose x 5m (4505-3800)
- ⑤ FIA Restrictor 33mm\* (0220-3300)
- ⑥ Flame Arrestor Assembly (0200-0000)
- ⑦ Discriminator Valve (0210-0200)
- ⑧ Flame Trap Manifold (0210-0300)
- ⑨ Flame Trap 'U' Section Heat Reflecting Cover FIA Sight Gauge (0210-0900)
- ⑩ FIA 1½" Self Closing Valve (0201-3000)
- ⑪ 1½" Snaplock to 1.5" Hose (0073-3833)
- ⑫ 1½" Snaplock to 57mm Hose (0073-3857)
- ⑬ 1½" Snaplock to Dust Plug (0071-3800)
- ⑭ 1½" Snaplock to Dust Cap (0070-3800)
- ⑮ 1½" BSP Male to 1½" Snaplock (0072-3838)



## VDO TUBULAR FUEL LEVEL SENSOR & GAUGE

- Fuel Level Gauge VDO, 2" (0651-0001)
- Sender unit, VDO 150 mm (0600-0150)
- Sender unit, VDO 200 mm (0600-0200)
- Sender unit, VDO 250 mm (0600-0250)
- Sender unit, VDO 300 mm (0600-0300)
- Sender unit, VDO 350 mm (0600-0350)
- Sender unit, VDO 400 mm (0600-0400)
- Sender unit, VDO 450 mm (0600-0450)
- Sender unit, VDO 500 mm (0600-0500)
- Low level switch assembly (0610-0000)



## REGULATOR HOUSING & CAPSULE

- 3 way housing inc 3 Bar regulator (0900-0633)
- 3 way housing inc 4 Bar regulator (0900-0634)
- 3 way housing inc 5 Bar regulator (0900-0635)
- 3 way housing inc 6 Bar regulator (0900-0636)
- 4 way housing inc 3 Bar regulator (0900-0643)
- 4 way housing inc 4 Bar regulator (0900-0644)
- 4 way housing inc 5 Bar regulator (0900-0645)
- 4 way housing inc 6 Bar regulator (0900-0646)



## BREATHER VALVES

- Venting roll-over valve, 200 millibar, AN-6 / AN-6 connection (0770-0606)
- Breather non-return valve, AN-6 / AN-8 (0775-0608)
- Breather non-return valve, AN-8 / AN-8 (0775-0808)
- Breather non-return valve, AN-10 / AN-10 (0775-1010)
- Breather non-return valve, AN-12 / AN-12 (0775-1212)



## MISCELLANEOUS VALVES

- In-line flap valve AN-6 (0780-0600)
- In-line flap valve AN-8 (0780-0800)
- Fuel shut-off valve (FIA Appendix J, Article 253.3.3.) (0785-0100)



## LOW PRESSURE FUEL PUMPS AND CONNECTORS

- ⑯ LPVW VAG Type, 125ltr/hr @ 0.21bar (3-4psi), 9mm Barb (0700-0100)
- ⑰ LPAC AC Type, 150ltr/hr @ 0.21bar (3-4psi), 9mm Barb (0700-0101)
- ⑱ LPVW VAG Type, 125ltr/hr @ 0.21bar (3-4psi), AN-6 male (0700-0102)
- ⑲ LPAC AC Type, 150ltr/hr @ 0.21bar (3-4psi), AN-6 male (0700-0103)
- ⑳ Fuel filter sock 60/40, 19mm ID, 65 micron (0790-0004)
- ⑳ Fuel filter sock 60/40, 19mm ID, 65 micron (0800-6040)



## HIGH PRESSURE FUEL PUMPS AND CONNECTORS

- ⑳ 265E Series, 225ltr/hr @ 5bar (72.5psi), E85, 9mm Barb (0705-0285)
- ㉑ 340E Series, 254ltr/hr @ 5bar (72.5psi), 9mm Barb (0705-0348)
- ㉒ AN-6 male to 9mm Barb adaptor (0760-0806)
- ㉓ Fuel filter, 75mm dia, 65 micron (fits 265/340) (0800-0832)



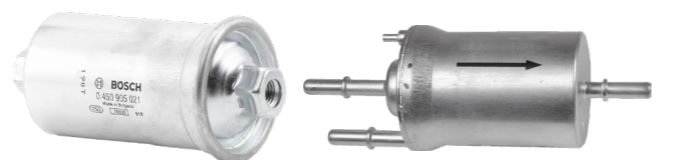
## BOSCH HIGH PRESSURE FUEL PUMPS

- ㉔ Bosch 003, 165ltr/hr @ 5bar (72.5psi), in-tank (0705-0003)
- ㉕ Bosch 044, 200ltr/hr @ 5bar (72.5psi), in-tank / in-line (0705-0044)
- ㉖ Bosch 413, 200ltr/hr @ 8bar (116psi), in-tank / in-line (0705-0413)
- ㉗ Bosch 979, 165ltr/hr @ 5bar (72.5psi), in-tank / in-line (0705-0979)
- ㉘ M18 x 1.50mm to AN-8 male adapter (0801-1808)
- ㉙ Fuel filter 65 micron pleated stainless steel AN-8 female (0801-0865)
- ㉚ Bosch 60 micron pre-filter (0804-5060)
- ㉛ Bosch 044 Dual mount billet kit including all fittings (0750-2000)



## IN-LINE FILTERS / FILTER REGULATORS

- Bosch in-line fuel filter (0803-5021)
- Filter/regulator, 3.0 bar, 7.89 SAE male fittings (0901-0030)
- Filter/regulator, 4.0 bar, 7.89 SAE male fittings (0901-0040)
- Filter/regulator, 6.6 bar, 7.89 SAE male fittings (0901-0066)



## BULKHEAD ELECTRICAL CONNECTORS

- 2 wire AN-8 bulkhead hermetic passthrough (0790-0046)
- 3 wire AN-8 bulkhead hermetic passthrough (0790-0047)
- Single electrical bulkhead stud kit (0790-0048)

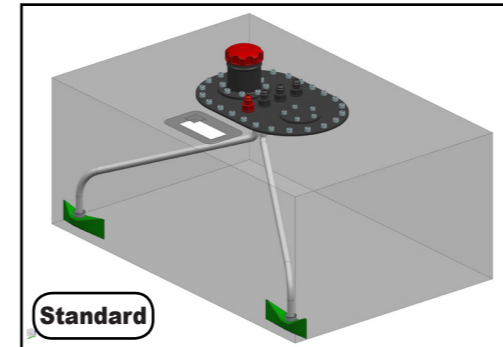


## STAG FIA APPROVED FUEL BLADDERS

The STAG Fuel Bladder by PREMIER provides the ultimate racing fuel system.



- FIA FT3-1999 Homologated Ballistic Nylon Material.
- Fully vulcanised lightweight construction.
- Resistance to: Petrol, Petrol / Ethanol Blends & Diesel.
- Mil-Spec Safety Foam.



### ANODISED TOP PLATE

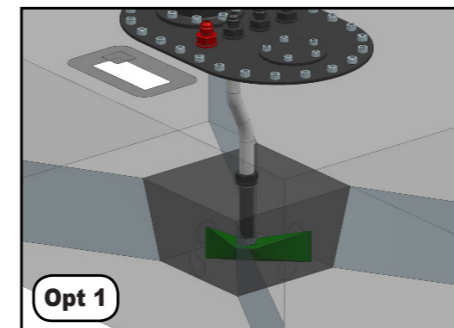
- 2 x AN-6 Pick-up
- 1 x AN-6 Rollover Valve
- 1 x AN-6 Return
- Aluminium Filler Cap
- Viton Filler Flap
- Sender Mounting

### UPGRADE OPTIONS

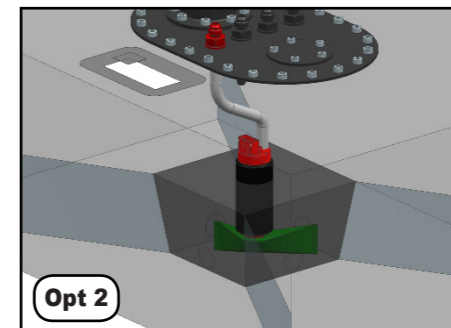
All options below include central 4-flap collector, baffles providing maximum fuel pick-up.



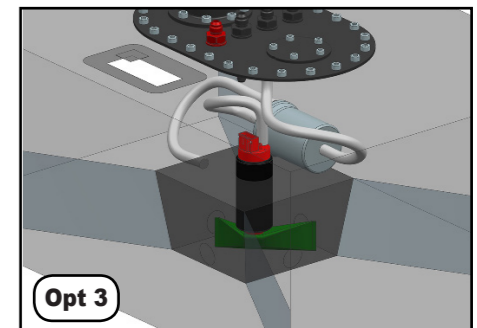
### COLLECTOR PICKUP



### COLLECTOR MOUNT HP\* PUMP



### HP\* RETURNLESS SYSTEM\*\*



## RECTANGULAR FUEL BLADDERS

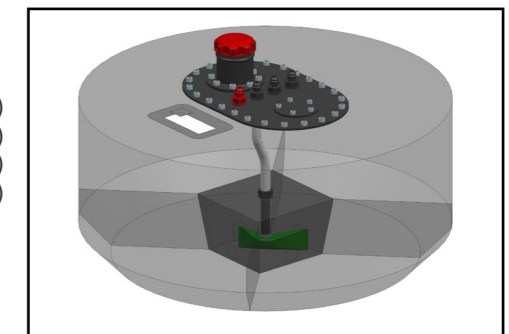
| Capacity | Dimensions               | Standard    | Option 1    | Option 2    | Option 3    | Cover       |
|----------|--------------------------|-------------|-------------|-------------|-------------|-------------|
| 10ltr    | 250 High x 250 x 200 mm  | (1410-0010) | (N/A)       | (N/A)       | (N/A)       | (1400-0010) |
| 15ltr    | 250 High x 300 x 250 mm  | (1410-0015) | (N/A)       | (N/A)       | (N/A)       | (1400-0015) |
| 20ltr    | 250 High x 300 x 325 mm  | (1410-0020) | (1420-0020) | (1430-0020) | (1440-0020) | (1400-0020) |
| 30ltr    | 250 High x 400 x 360 mm  | (1410-0030) | (1420-0030) | (1430-0030) | (1440-0030) | (1400-0030) |
| 45ltr    | 250 High x 550 x 385 mm  | (1410-0045) | (1420-0045) | (1430-0045) | (1440-0045) | (1400-0045) |
| 60ltr    | 250 High x 650 x 430 mm  | (1410-0060) | (1420-0060) | (1430-0060) | (1440-0060) | (1400-0060) |
| 80ltr    | 250 High x 700 x 530 mm  | (1410-0080) | (1420-0080) | (1430-0080) | (1440-0080) | (1400-0080) |
| 90ltr    | 250 High x 750 x 555 mm  | (1410-0090) | (1420-0090) | (1430-0090) | (1440-0090) | (1400-0090) |
| 100ltr   | 300 High x 750 x 510 mm  | (1410-0100) | (1420-0100) | (1430-0100) | (1440-0100) | (1400-0100) |
| 120ltr   | 300 High x 850 x 535 mm  | (1410-0120) | (1420-0120) | (1430-0120) | (1440-0120) | (1400-0120) |
| 150ltr   | 300 High x 900 x 630 mm  | (1410-0150) | (1420-0150) | (1430-0150) | (1440-0150) | (1400-0150) |
| 180ltr   | 300 High x 1000 x 680 mm | (1410-0180) | (1420-0180) | (1430-0180) | (1440-0180) | (1400-0180) |
| 200ltr   | 300 High x 1000 x 755 mm | (1410-0200) | (1420-0200) | (1430-0200) | (1440-0200) | (1400-0200) |
| 250ltr   | 350 High x 1000 x 800 mm | (1410-0250) | (1420-0250) | (1430-0250) | (1440-0250) | (1400-0250) |
| 300ltr   | 400 High x 1000 x 835 mm | (1410-0300) | (1420-0300) | (1430-0300) | (1440-0300) | (1400-0300) |

## CIRCULAR FUEL BLADDERS

| Capacity | Dimensions       | Option 1    | Option 2    | Option 3    | Cover       |
|----------|------------------|-------------|-------------|-------------|-------------|
| 30ltr    | 600 Dia x 130 mm | (1520-0030) | (1530-0030) | (1540-0030) | (1500-0030) |
| 45ltr    | 600 Dia x 185 mm | (1520-0045) | (1530-0045) | (1540-0045) | (1500-0045) |
| 60ltr    | 600 Dia x 240 mm | (1520-0060) | (1530-0060) | (1540-0060) | (1500-0060) |
| 80ltr    | 600 Dia x 315 mm | (1520-0080) | (1530-0080) | (1540-0080) | (1500-0080) |

\* HP 340E Series pump (see P.4)

\*\* In-line filter regulator available as 3.0 Bar, 4.0 Bar and 6.6 Bar versions (see P.4)





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## CUSTOM BLADDERS

Premier specialises in the design and manufacture of lightweight ballistic custom fuel bladders. Premier custom bladders surpass the most stringent tests required by the FIA and conform to FT3-1999 – FT5-1999 regulations.

Custom fuel bladders can be manufactured as one off's or series production.

- FIA approved light weight ballistic Fabrics FT3-1999 – FT5-1999
- Vast library of standard interface flanges, internal collectors
- High / Low pressure in-tank pumps
- Venturi transfer
- Mil-Spec loom
- Composite / Fabricated aluminium covers

Custom bladders can be manufactured from CAD data or basic outline dimensions. Contact technical sales / in-house design team to discuss your requirements.

## EMISSION SPEC

Premier's unique Emi-Spec product meets the requirement of the automotive industry for a safety fuel bladders impermeable to fuel vapour.

|  |             |
|--|-------------|
| Ferrari F40 Emi-Spec FT3-1999 Fuel Bladder L/H | (1200-0740) |
| Ferrari F40 Emi-Spec FT3-1999 Fuel Bladder R/H | (1200-0741) |
| Ferrari F50 Emi-Spec FT3-1999 Fuel Bladder     | (1200-0750) |
| Ferrari 360 Emi-Spec FT3-1999 Fuel Bladder L/H | (1200-0736) |
| Ferrari 360 Emi-Spec FT3-1999 Fuel Bladder R/H | (1200-0737) |
| Ferrari 430 Emi-Spec FT3-1999 Fuel Bladder L/H | (1200-0743) |
| Ferrari 430 Emi-Spec FT3-1999 Fuel Bladder R/H | (1200-0744) |
| Jaguar XJR15 Emi-Spec FT3-1999 Fuel Bladder    | (1200-0715) |
| Jaguar XJ220 Emi-Spec FT3-1999 Fuel Bladder    | (1200-0722) |

*Custom designs also available*



## REPRODUCTION FUEL BLADDERS

Premier manufactures a vast range of fuel bladders for historic / vintage vehicles. We can supply fuel bladders from our own design database which contains a wide range of past race cars, or to your specific requirements. If your original bladder is not from Premier, no problem! Premier engineers can reproduce precisely any manufacturer's bladder to current FIA specification.



## FIA RECERTIFICATION

FIA FT3-1999 – FT5-1999 Fuel Bladder standard provides for the re-certification of FIA Fuel Bladders after a 5-year period from date of manufacture. Following satisfactory re-inspection, fuel bladder re-certification runs for a further 2-year period, not exceeding 7 years from the original date of manufacture. The re-certification date is calculated from the date of manufacture, not the date the fuel bladder is first used. Please consult our website for details.

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## OEM/HISTORIC FUEL BLADDERS

| Rally                              | Bladder Assy | Complete Sys |
|------------------------------------|--------------|--------------|
| Mitsubishi 80ltr Underfloor EVO IX | (1200-0452)  | (1200-0450)  |
| Mitsubishi 80ltr Underfloor EVO X  | (1200-0462)  | (1200-0460)  |
| Subaru N11 / 12 80ltr Underfloor   | (1200-0502)  | (1200-0500)  |
| Subaru N14 / 15 80ltr Underfloor   | (1200-0512)  | (1200-0510)  |
| Porsche 997 Rally Spec             | (N/A)        | (1200-0622)  |
| Porsche                            |              |              |
| Porsche 996 100ltr Race            | (1200-0522)  | (1200-0520)  |
| Porsche 997 100ltr Race            | (1200-0602)  | (1200-0600)  |
| Porsche 997 120ltr Race            | (1200-0621)  | (1200-0620)  |
| Porsche 991 100ltr Race            | (1200-0624)  | (1200-0623)  |
| Porsche 991 120ltr Race            | (1200-0627)  | (1200-0625)  |
| Historic Porsche                   |              |              |
| Porsche 934 / 935                  | (1200-0515)  | (1200-0514)  |
| Porsche 962 Group C / IMSA         | (1200-0519)  | (N/A)        |
| Porsche 964 120ltr Race            | (1200-0964)  | (1200-0965)  |
| Porsche 993 100ltr Race            | (1200-0993)  | (1200-0994)  |
| Historic / Vintage                 |              |              |
| Ford GT40                          | (1200-0650)  | (1200-0651)  |
| Metro 6R4                          | (1200-0646)  | (1200-0645)  |
| Chevron B16 / B19                  | (1200-0660)  | (1200-0661)  |
| Jaguar                             |              |              |
| Jaguar C-Type                      | (1200-0700)  |              |
| Jaguar D-Type                      | (1200-0701)  |              |
| Jaguar E-Type                      | (1200-0702)  |              |



## FUEL BLADDER DISPLACEMENT BALLS

|  |             |
|--|-------------|
| Displacement Ball, 45.0mm 0.048 litre  | (0785-0450) |
| Displacement Ball, 100.0mm 0.520 litre | (0785-1000) |
| Displacement Ball, 150.0mm 1.767 litre | (0785-1500) |

## EXPLOSION SUPPRESSANT FOAM

MIL-DTL-83054C Explosion Suppressant Safety Foam reduces fuel surge and eliminates slosh. (10 litre blocks)

|  |             |
|--|-------------|
| Yellow 200mm x 200 mm x 250 mm                       | (9002-0101) |
| Blue 200mm x 200 mm x 250 mm                         | (9002-0102) |
| Coarse Black* 200mm x 200 mm x 250 mm (Non Mil-Spec) | (9002-0103) |

*Custom sizes available on request.*

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## FIA REFUELLING BOTTLES



| Options      | Single Breather Part No. | Twin Breather Part No. | Remote Breather Part No. | SPT12 Breather Part No. |
|--------------|--------------------------|------------------------|--------------------------|-------------------------|
| 1½" Straight | (0105-3800)              | (0110-3800)            | (0120-3800)              | (0125-3800)             |
| 1½" 45°      | (0105-3845)              | (0110-3845)            | (0120-3845)              | (0125-3845)             |
| 2" Straight  | ①(0105-5700)             | (0110-5700)            | (0120-5700)              | (0125-5700)             |
| 2" 45°       | ②(0105-5745)             | (0110-5745)            | (0120-5745)              | (0125-5045)             |

## REFUELLING BOTTLE STAND

|                                     |             |
|-------------------------------------|-------------|
| ⑥ Universal Refuelling Bottle Stand | (0160-2500) |
|-------------------------------------|-------------|

## FIA FEMALE REFUELLING VALVES

| Options      | Female Part No. | Female with manifold Part No. | Twin Female Part No. | Twin with Manifold Part No. |
|--------------|-----------------|-------------------------------|----------------------|-----------------------------|
| 1½" Straight | (0010-3810)     | (0010-3815)                   | (0010-3820)          | (0010-3821)                 |
| 2" Straight  | (0010-5710)     | (0010-5711)                   | (0010-5720)          | (0010-5721)                 |

*Manifolds are available in sizes: 1½", 2", 2¼", 2½", custom available on request.*

## FIA MALE REFUELLING VALVES

| Options      | Male Part No. | Male Single Handle Part No. | Twin Male Horizontal Handle Part No. | Twin Male Vertical Handle Part No. |
|--------------|---------------|-----------------------------|--------------------------------------|------------------------------------|
| 1½" Straight | (0010-3800)   | (0010-3801)                 | (0010-3802)                          | (0010-3803)                        |
| 2" Straight  | ⑬(0010-5700)  | (0010-5701)                 | (0010-5702)                          | (0010-5703)                        |
| 2" Snaplock  | ⑭(0010-5705)  | (0010-5706)                 | (0010-5707)                          | (0010-5708)                        |

## REFUELLING HANDLES

| Options    | Single Handle Part No. | Twin Male Horizontal Handle Part No. | Twin Male Vertical Handle Part No. |
|------------|------------------------|--------------------------------------|------------------------------------|
| 1½" Handle | (0020-3810)            | (0020-3820)                          | (0020-3825)                        |
| 2" Handle  | (0020-5710)            | (0020-5720)                          | (0020-5725)                        |



## FIA REFUELLING VALVE SEAL KITS (Petrol & Ethanol compatible)

| Options   | Male Valve Part No. | Female Valve Part No. |
|-----------|---------------------|-----------------------|
| 1½" Valve | (3000-3885)         | (3250-0222)           |
| 2" Valve  | (3000-5785)         | (3250-0330)           |



## HISTORIC / VINTAGE REFUELLING VALVES

|   |             |
|---|-------------|
| ⑳ Refuelling valve historic probe                     | (0010-9000) |
| ㉑ Refuelling valve historic car side                  | (0010-9050) |
| ㉒ Refuelling valve historic car side flush filler cap | (0040-0309) |
| ㉓ Refuelling valve historic car side PP20M            | (0010-9057) |
| ㉔ Refuelling valve historic car side PP20FRM          | (0010-5715) |

## OEM REFUELLING VALVES AND FILLER CAPS

|   |             |
|---|-------------|
| ㉕ Flush filler cap 9 hole Ferrari spec                            | (0040-0410) |
| ㉖ Flush filler cap (interchangeable with 0010-5720)               | (0040-0420) |
| ㉗ Flush filler cap on twin valve flange 6 hole (Porsche 997 spec) | (7000-0117) |

## FILLER CAPS & FILLER FUNNELS

|  |             |
|--|-------------|
| ㉘ Flush filler cap 4" (101.6 mm) PCD 9 hole (Black)              | (0040-0400) |
| ㉙ Filler funnel 2" (50.8 mm) OD to suit 4" PCD 9 hole filler cap | (0044-0508) |
| Filler funnel 2¼" (57mm) OD to suit 4" PCD 9 hole filler cap     | (0044-0572) |
| Filler funnel 2½" (63.5 mm) OD to suit 4" PCD 9 hole filler cap  | (0044-0635) |
| ⑳ Filler hose FIA FT3 Material 2" (50.8 mm) ID x 1 metre         | (4510-5080) |
| Filler hose FIA FT3 Material 2¼" (57mm) ID x 1 metre             | (4510-5715) |
| Filler hose FIA FT3 Material 2½" (63.5 mm) ID x 1 metre          | (4510-6350) |

## STAUBLI SPT12 FILLER AND ADAPTORS

|  |             |
|--|-------------|
| ㉚ Staubli SPT12 flange mount male valve                  | (0711-1200) |
| ㉛ Staubli SPT12 flange mount 60° AN-12 male adaptor      | (0710-1260) |
| ㉜ Staubli SPT12 flange mount 90° AN-12 male adaptor      | (0710-1290) |
| ㉝ Staubli SPT12 flange mount 180° AN-12 male adaptor     | (0710-1200) |
| ㉞ Staubli SPT12 flange mount 5/8" SAE J2044 male adaptor | (0710-1600) |

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