



HYDPOWER
HOSE & FITTINGS

ACCESSORIES CATALOGUE - 2022



TRUSTED | PROGRESSIVE | PROVEN

RAISING THE BAR TO REDUCE YOUR PRESSURE AND COST

The Innovative B2B Wholesale Supply
Design & Performance Specialists



CLIENT FOCUSED PROGRAMS | OUR POINTS OF DIFFERENCE

ADVANTAGE REWARDS™

EARN POINTS
redeemable against
in store credits,
rebate scheme or
comprehensive range
of gift cards

RISK FREE TRADING™

24 MONTH
Industry leading
no risk component
guarantee on all
specified items

HYDPOWER CHALLENGE™

FREE OF CHARGE
challenge for us to
review & find hydraulic
cost savings and
performance
improvements



TRUSTED | PROGRESSIVE | PROVEN

HYDPOWER hydraulics is one of Australia's leading low cost, full-service providers

With over 40 years of practical hands on experience, we have established ourselves as a credible trusted and strategic partner to many companies requiring hydraulic systems, components and engineering services

OUR PROGRESSIVE APPROACH ENSURES YOU GET THE VERY BEST:

- Competitive prices on all components
- 24 Month Risk Free Warranty
- Rewards program saving you money on purchases
- High quality and durable components
- Free technical support, unbiased advice and guidance

HYDPOWER'S PROVEN TRACK RECORD ALLOWS US TO BE CONFIDENT IN OUR DEALINGS WITH YOU

We are willing and able to lend a helping hand whenever you need us for :

- End to End System Design
- Component selection and supply
- Installation
- Commissioning
- Testing and troubleshooting
- Performance improvement
- System enhancement

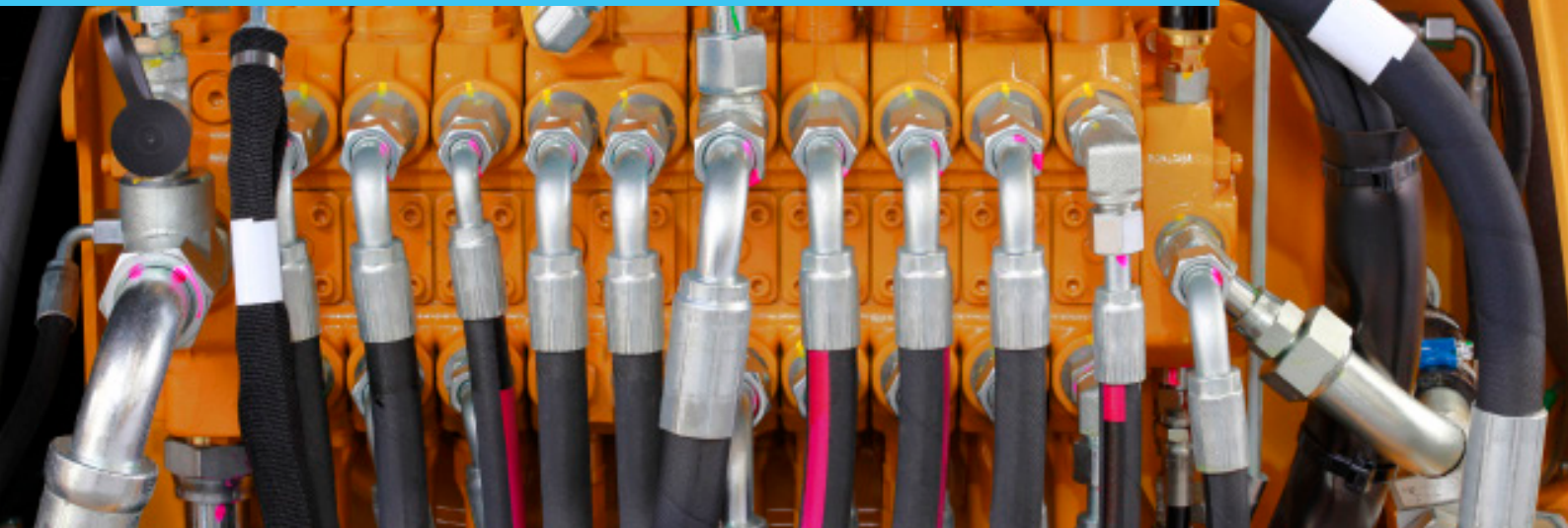
OUR DIVERSE HYDRAULIC EXPERIENCE INCLUDES:

- Industrial
- Agricultural
- Construction
- Transport
- Bulk-Handling
- Recycling
- Manufacturing
- Marine

To find out how you partner with us completely risk free, visit us at hydpower.com.au

We look forward to adding value to your business soon

HOSES | HOSE END FITTINGS AND ADAPTORS



Unlike most hydraulic component suppliers, **HYDPOWER** offers a comprehensive range of high quality hoses, hose end fittings, adaptors and accessories at very competitive prices

Hoses, hose end fittings and adaptors have been strategically implemented into our business to compliment our component and design services, to provide total ownership and guarantee the best possible performance and outcomes of your hydraulic system.

In our view, it is much better to fully specify the components together simultaneously with the hose and fittings to achieve optimum system performance and reliability. Regrettably, this is a short coming within the broader hydraulics industry and a challenge for manufacturers and consumers to navigate. **HYDPOWER** takes the guess work out of this sensitive area and will assist you in selecting and specifying all of your hoses, hose end fittings and adaptors. This process will ensure that you achieve the best performance from your Hydraulics Systems.

Whether you are after a single wire, two wire, multi spiral, suction or return hose, look no further than **HYDPOWER**. Our super high quality hoses are manufactured to exceed all global hydraulic standards – thus ensuring it will provide you with reliability and long service life.

CUSTOM BRANDING / LABELING

If you are a volume hose user, please talk to us about custom branding for your brand or product to be applied to your hydraulic hose. *Note: Minimum ordering quantities apply*

WE OFFER A FREE *

No obligation review and written report of your current hoses, hose end fittings and adaptors usage and/or requirements that has been specially designed to achieve the following:

- > Specification of correct hose, end fittings and adaptor types and sizes
- > Maximise efficiency / reduce losses and overheating
- > Improve performance / oil flow paths
- > Ensure correct oil operating conditions and line speeds
- > Minimise connections and potential oil leaks

* Conditions apply, see website

ALL IN ONE KITTING PROGRAM

If production of machines is your business, then our **HYDPOWER 'ALL IN 1' Kitting Program** is just the thing for you

We work with you to establish your particular needs – then review and document your systems to provide you with the best performance and cost saving changes.

Once identified, we can provide you with a simple re-order process with one part number covering every item that makes up each of your complete set of hoses and adaptors. This time saving initiative is just one of the many ways we are able to help your business operate more efficiently.

BUILD YOUR PROGRAM

Alternatively, if you prefer to make up your own hose assemblies, our hoses can be simply sold by the metre or a full reel. The hose end fittings and adaptors can be reordered on a monthly or weekly Kanban System to ensure you have the stock you require – the choice is entirely yours.

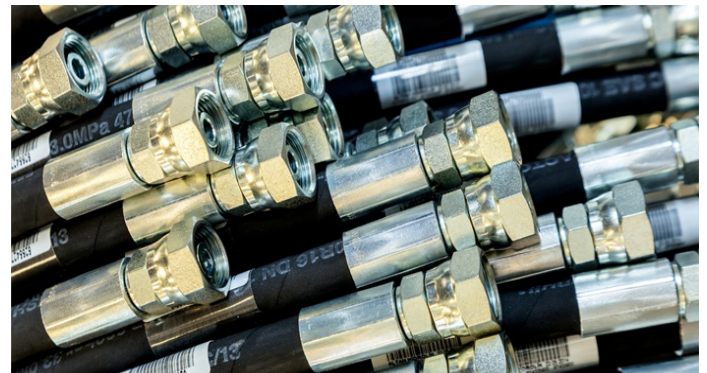
STORAGE SYSTEM

We offer a flexible storage system to help you keep all of your hose ends & adaptors neatly organised in labelled bins. This great mobile unit can be wheeled to just about any position in your workshop close to where your product assembly area is. Once your stock get low, simply re-order using our **new online business to business portal**. Contact us today for further information.

CRIMPING MACHINES AND DIAMOND CUT OFF SAWS

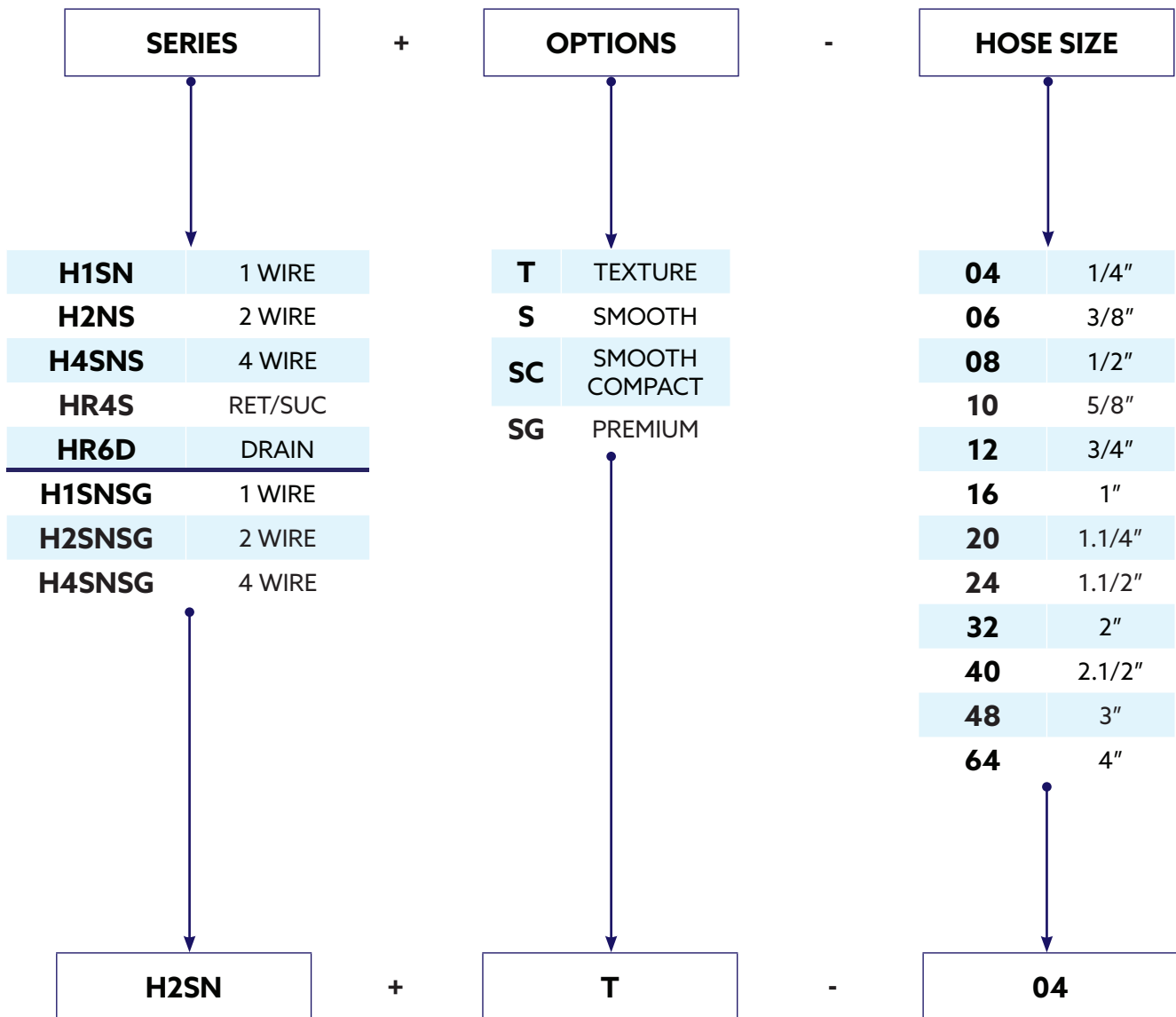
We can also supply an extensive range of **HYDCRIMP**- Crimping Machines and Diamond Cut Off Saws to suit your business and budget.

Components, Hose and Fittings all under one roof and just a call away. Contact **HYDPOWER** today for all of your hydraulic needs.



CODING SYSTEM

Hydraulic Hose

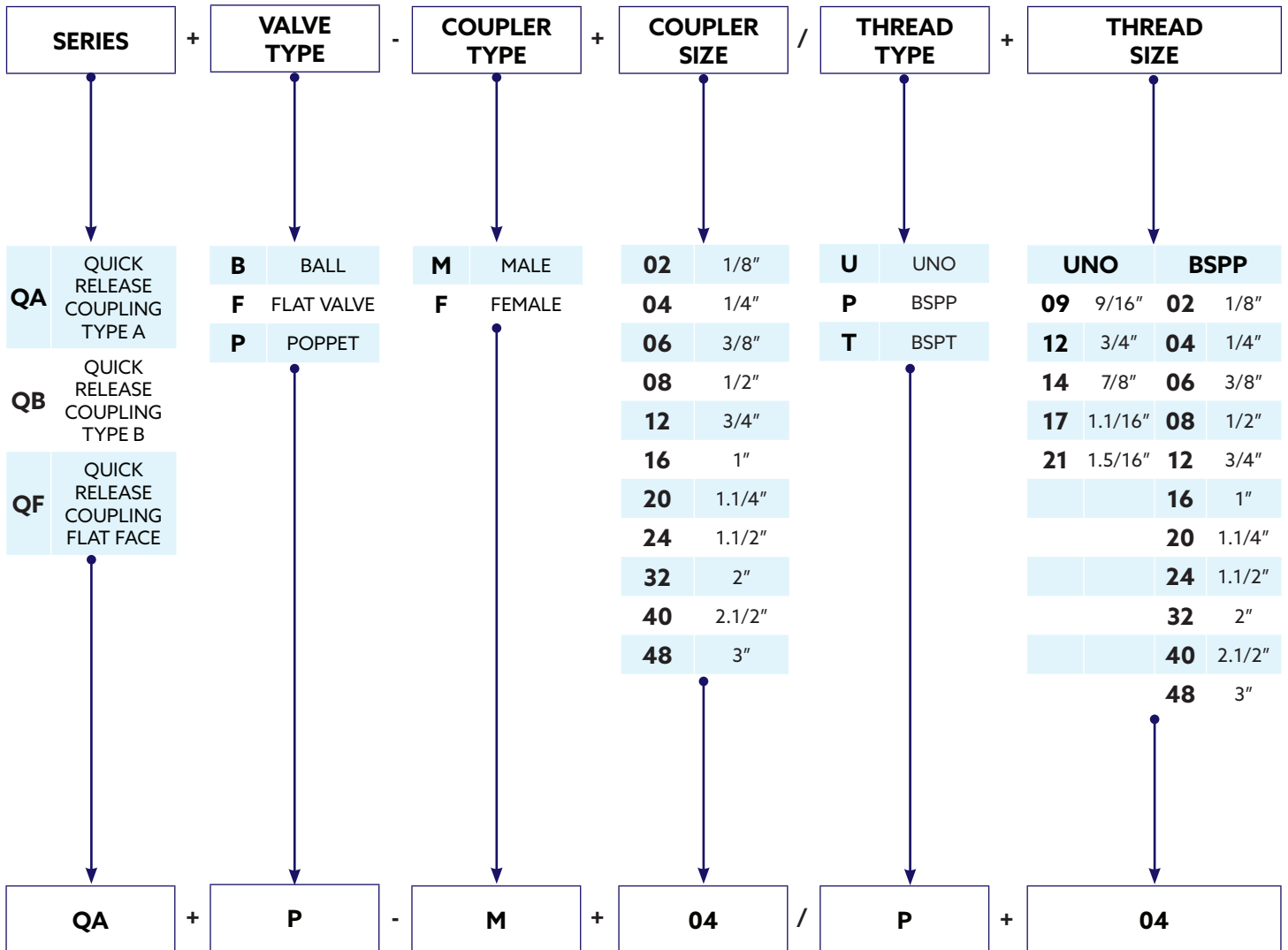


EXAMPLE
H2SNT-04
 HOSE TWO WIRE
 Texture coat, 1/4 Hose

ACCESSORIES

CODING SYSTEM

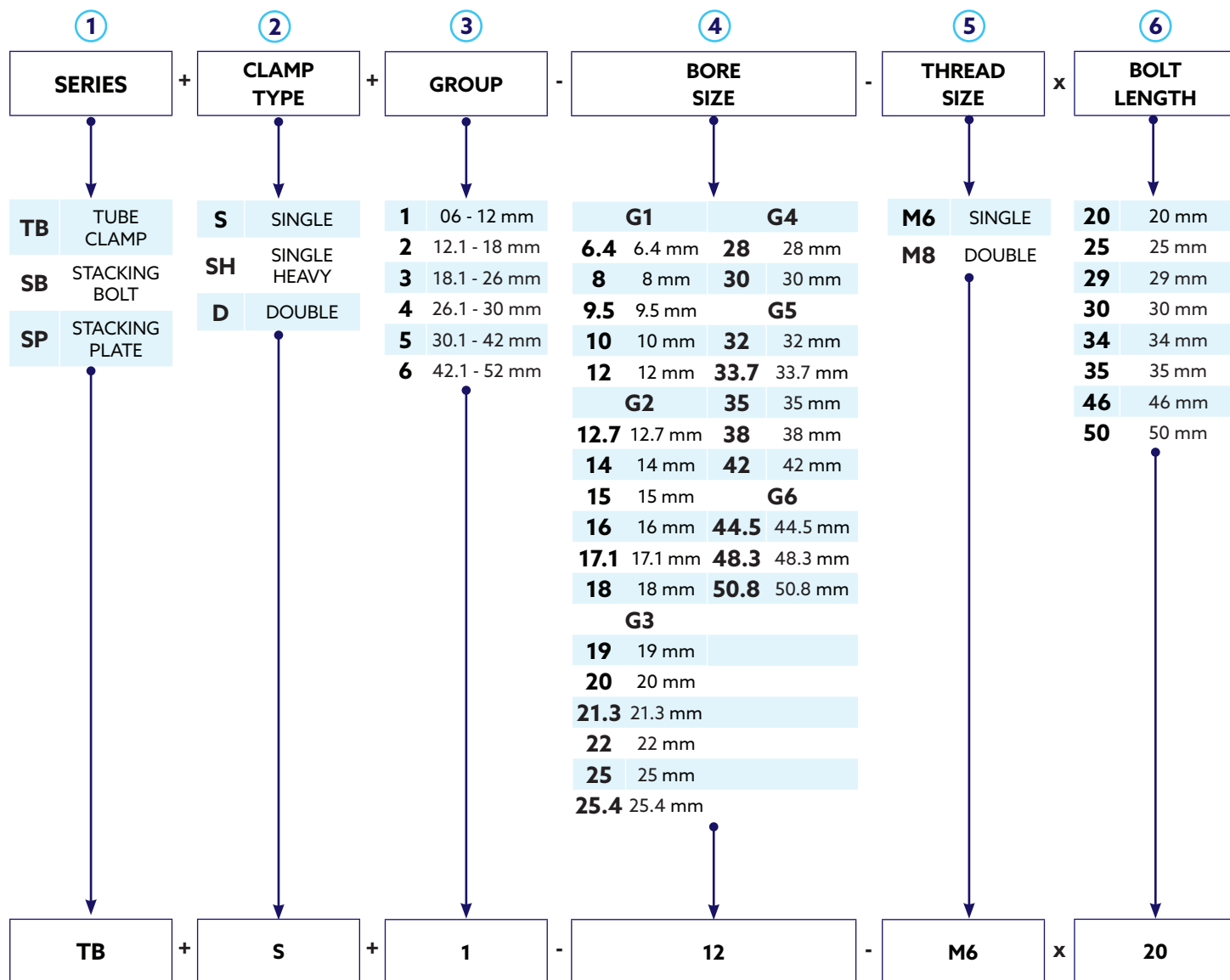
Quick Release Couplings



Example
QAP-M04/P04
 Quick Release Coupler Type A Poppet Valve
 1/4" BSPP Male Tip

CODING SYSTEM

Tube Clamps, Stacking Bolts & Stacking Plates



For **TUBE CLAMPS** use 1-4 above

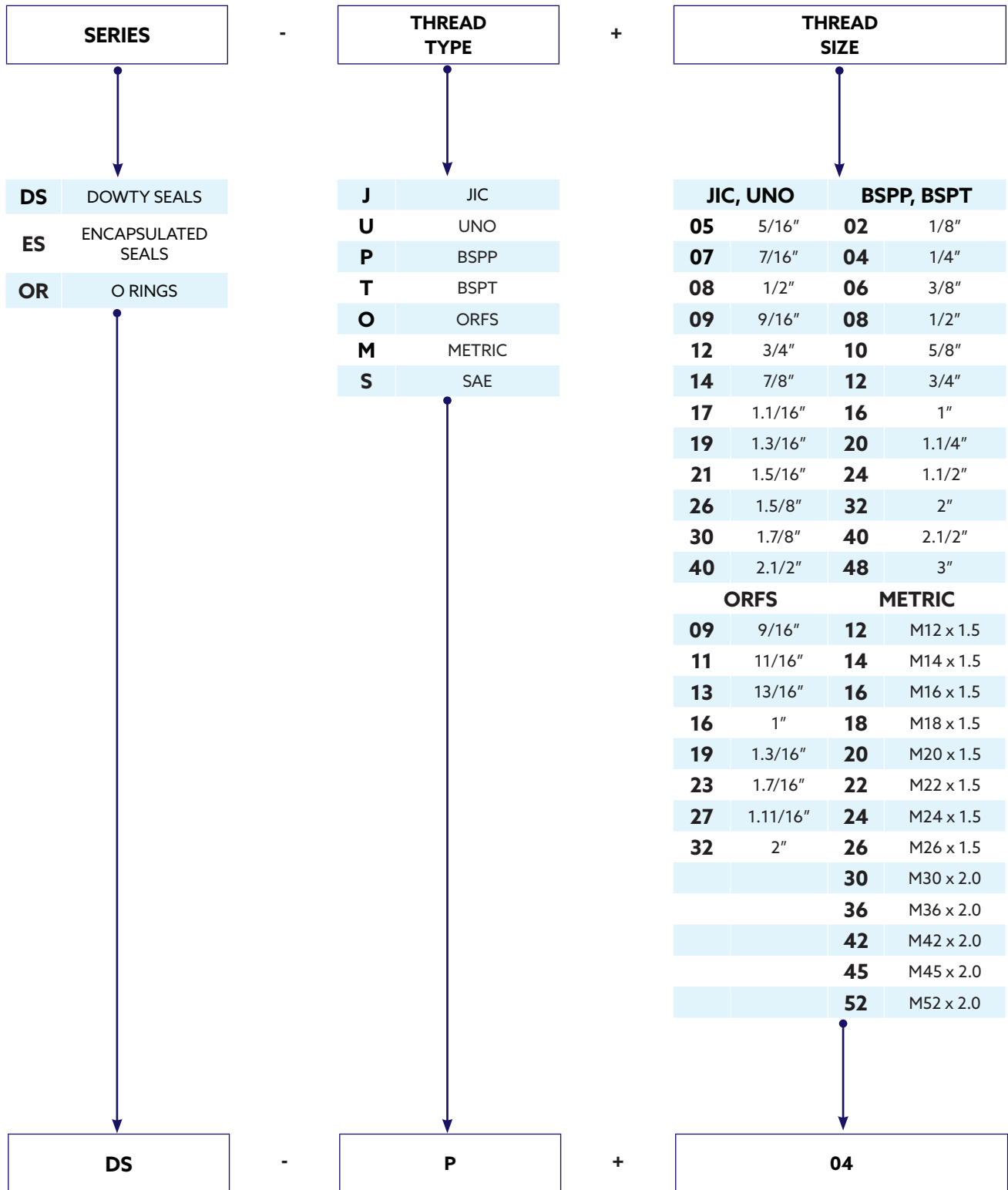
Example (Tube Clamp)
TBS1-12
 Tube Clamp Single, Group 1
 12 mm Bore Size

For **STACKING BOLTS** use 1-3, 5-6 above

Example (Stacking Bolt)
SBS1-M6x20
 Stacking Bolt Single Group 1,
 Metric 6 - 20 mm long

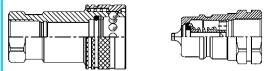
For **STACKING PLATES** use 1-3 above

Example (Stacking Plate)
SPS1
 Stacking Plate Single Group 1



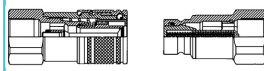
Example
DS-P04
BSPP 1/4" Dowty Seal

**QUICK RELEASE
COUPLER-TYPE A**



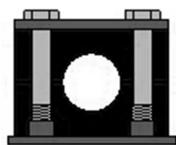
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**QUICK RELEASE
COUPLER-FLAT FACE**



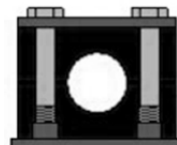
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**TUBE CLAMP
SINGLE**



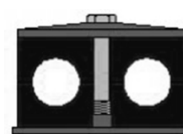
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**TUBE CLAMP
SINGLE HEAVY**



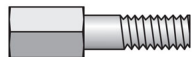
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**TUBE CLAMP
DOUBLE**



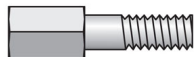
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**STACKING BOLT
SINGLE**



Page 73

**STACKING BOLT
DOUBLE**



Page 73

**STACKING PLATE
SINGLE**



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**STACKING PLATE
DOUBLE**



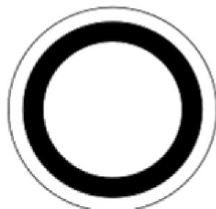
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**DOWTY SEAL
METRIC**



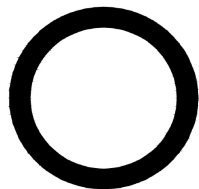
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**DOWTY SEAL
BSPP**



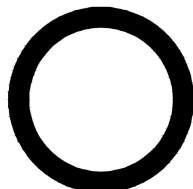
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**ENCAPSULATED SEAL
BSPP**



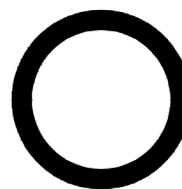
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**O' RING
BSPP**



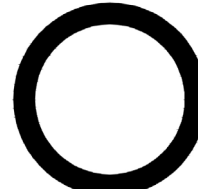
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**O' RING
ORFS**



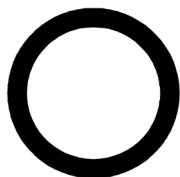
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**O' RING
UNO**



Page 76

**O' RING
SAE**



Page 76

For other sizes and thread types please contact us

QUICK RELEASE COUPLING - TYPE A

Poppet Valve - Male Tip & Coupler

Series: ISO 7241-1 Type A

Valve type: Poppet

Material: Steel

Interchanges with: Faster ANV, Parker 6600, DNP PAV, Aeroquip FD56, Safeway S56, Ryco R82

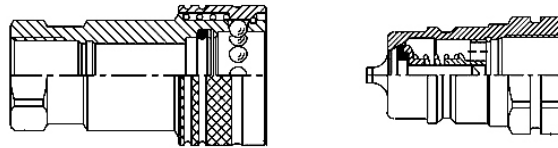
Applications: Conforming to ISO 7421-1 Type A used in the Marine and other applications requiring high corrosion resistance.

Features: Single acting pull to release sleeve, Poppet type valve for improved sealing.

Technical: Seals - Nitrile (Buna N), PTFE backup ring.

Temperature Range: 25°C to +125°C.

Options: NPT and UNO Threads to Order, Plastic Caps and Plugs, Push-Pull Coupler in 1/2"



| Part Number (Male Tip) | Thread Size | BSPP (F) | WP Bar | List Price (\$) |
|------------------------|-------------|----------|--------|-----------------|
| QAV-04M | 1/4" | 1/4" | 350 | 17.02 |
| QAV-06M | 3/8" | 3/8" | 300 | 16.92 |
| QAV-08M | 1/2" | 1/2" | 250 | 19.42 |
| QAV-12M | 3/4" | 3/4" | 250 | 39.24 |
| QAV-16M | 1" | 1" | 230 | 80.99 |
| QAV-20M | 1.1/4" | 1.1/4" | 230 | 183.15 |
| QAV-24M | 1.1/2" | 1.1/2" | 180 | 136.68 |
| QAV-32M | 2" | 2" | 130 | 307.45 |

| Part Number (Coupler) | Thread Size | BSPP (F) | WP Bar | List Price (\$) |
|-----------------------|-------------|----------|--------|-----------------|
| QAV-04F | 1/4" | 1/4" | 350 | 38.59 |
| QAV-06F | 3/8" | 3/8" | 300 | 38.39 |
| QAV-08F | 1/2" | 1/2" | 250 | 41.31 |
| QAV-12F | 3/4" | 3/4" | 250 | 89.87 |
| QAV-16F | 1" | 1" | 230 | 140.14 |
| QAV-20F | 1.1/4" | 1.1/4" | 230 | 343.04 |
| QAV-24F | 1.1/2" | 1.1/2" | 180 | 506.28 |
| QAV-32F | 2" | 2" | 130 | 934.34 |

QUICK RELEASE COUPLING - FLAT FACE

Flat Valve - Male Tip & Coupler

Series: Flat Face

Valve type: Flat valve

Material: Steel

Interchanges with: Faster FFI,Parker FE,DNP PLT4,Safeway S56,Ryco R110.

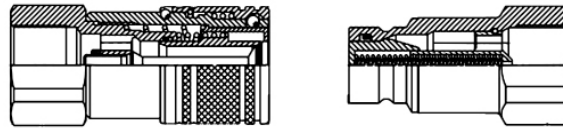
Applications: Conforming to ISO 7421-1 Type B used in general purpose hydraulic applications.

Features: Widely used in the public utility markets where oil spillage can constitute a serious hazard.Ease of cleaning is a special feature making these couplers particularly suitable for hostile environments.

Technical: Seals - Nitrile (Buna N), PTFE backup ring.

Temperature Range: 25°C to +125°C

Options: Neoprene,EPDM and Viton seals available. (Available in Stainless Steel).

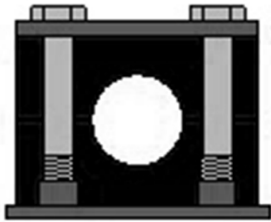


| Part Number (Male Tip) | Thread Size | BSPF (F) | WP Bar | List Price (\$) |
|------------------------|-------------|----------|--------|-----------------|
| QFF-04M | 1/4" | 1/4" | 350 | 77.99 |
| QFF-06M | 3/8" | 3/8" | 250 | 55.06 |
| QFF-0608M | 1/2" | 3/8" | 250 | 60.78 |
| QFF-08M | 1/2" | 1/2" | 250 | 92.13 |
| QFF-0812M | 3/4" | 1/2" | 250 | 110.06 |
| QFF-12M | 3/4" | 3/4" | 250 | 154.22 |
| QFF-1216M | 1" | 3/4" | 250 | 154.22 |
| QFF-16M | 1" | 1" | 210 | 325.82 |

| Part Number (Coupler) | Thread Size | BSPF (F) | WP Bar | List Price (\$) |
|-----------------------|-------------|----------|--------|-----------------|
| QFF-04F | 1/4" | 1/4" | 300 | 79.01 |
| QFF-06F | 3/8" | 3/8" | 250 | 92.71 |
| QFF-0608F | 1/2" | 3/8" | 250 | 98.18 |
| QFF-08F | 1/2" | 1/2" | 250 | 120.59 |
| QFF-0812F | 3/4" | 1/2" | 250 | 127.63 |
| QFF-12F | 3/4" | 3/4" | 250 | 247.34 |
| QFF-1216F | 1" | 3/4" | 250 | 261.91 |
| QFF-16F | 1" | 1" | 210 | 485.71 |

TUBE CLAMP

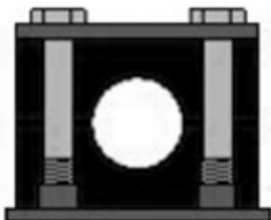
Single



| Part Number | Group | Bore Size | List Price (\$) |
|-------------|-------|-----------|-----------------|
| TCS1-6.4 | 1 | 6.4 mm | 5.39 |
| TCS1-8 | 1 | 8 mm | 8.14 |
| TCS1-9.5 | 1 | 9.5 mm | 5.47 |
| TCS1-10 | 1 | 10 mm | 5.61 |
| TCS1-12 | 1 | 12 mm | 5.58 |
| TCS2-12.7 | 2 | 12.7 mm | 5.17 |
| TCS2-14 | 2 | 14 mm | 5.75 |
| TCS2-15 | 2 | 15 mm | 6.13 |
| TCS2-16 | 2 | 16 mm | 5.75 |
| TCS2-17.1 | 2 | 17.1 mm | 4.95 |
| TCS2-18 | 2 | 18 mm | 5.75 |
| TCS3-19 | 3 | 19 mm | 6.46 |
| TCS3-20 | 3 | 20 mm | 6.38 |
| TCS3-21.3 | 3 | 21.3 mm | 5.72 |
| TCS3-22 | 3 | 22 mm | 6.74 |
| TCS3-25 | 3 | 25 mm | 5.56 |
| TCS3-25.4 | 3 | 25.4 mm | 6.33 |
| TCS4-28 | 4 | 28 mm | 7.07 |
| TCS4-30 | 4 | 30 mm | 7.07 |
| TCS5-32 | 5 | 32 mm | 8.83 |
| TCS5-33.7 | 5 | 33.7 mm | 9.57 |
| TCS5-35 | 5 | 35 mm | 8.93 |
| TCS5-38 | 5 | 38 mm | 9.24 |
| TCS5-42 | 5 | 42 mm | 8.92 |
| TCS6-50.8 | 6 | 50.8 mm | 13.42 |

TUBE CLAMP

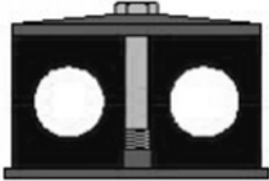
Single Heavy



| Part Number | Group | Bore Size | List Price (\$) |
|-------------|-------|-----------|-----------------|
| TCSH2-15 | 2 | 15 | 9.13 |
| TCSH2-16 | 2 | 16 | 11.72 |
| TCSH2-18 | 2 | 18 | 9.13 |
| TCSH3-19 | 3 | 19 | 14.65 |
| TCSH3-20 | 3 | 20 | 11.44 |
| TCSH3-22 | 3 | 22 | 11.44 |
| TCSH4-28 | 4 | 28 | 11.44 |
| TCSH4-30 | 4 | 30 | 11.44 |
| TCSH5-32 | 5 | 32 | 19.73 |
| TCSH5-38 | 5 | 38 | 19.73 |
| TCSH5-42 | 5 | 42 | 18.91 |
| TCSH6-44.5 | 6 | 44.5 | 56.45 |
| TCSH6-48.3 | 6 | 48.3 | 56.45 |
| TCSH6-50.8 | 6 | 50.8 | 43.75 |

TUBE CLAMP

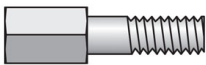
Double



| Part Number | Group | Bore Size | List Price (\$) |
|-------------|-------|-----------|-----------------|
| TCD1-6.4 | 1 | 6.4 | 6.00 |
| TCD1-8 | 1 | 8 | 6.27 |
| TCD1-9.5 | 1 | 9.5 | 5.91 |
| TCD1-10 | 1 | 10 | 6.16 |
| TCD1-12 | 1 | 12 | 6.16 |
| TCD2-12.7 | 2 | 12.7 | 6.62 |
| TCD2-14 | 2 | 14 | 7.15 |
| TCD2-15 | 2 | 15 | 7.15 |
| TCD2-16 | 2 | 16 | 7.15 |
| TCD2-17.1 | 2 | 17.1 | 6.82 |
| TCD2-18 | 2 | 18 | 7.15 |
| TCD3-19 | 3 | 19 | 7.95 |
| TCD3-20 | 3 | 20 | 8.06 |
| TCD3-21.3 | 3 | 21.3 | 8.03 |
| TCD3-22 | 3 | 22 | 8.06 |
| TCD3-25 | 3 | 25 | 6.91 |
| TCD3-25.4 | 3 | 25.4 | 7.99 |
| TCD4-28 | 4 | 28 | 9.35 |
| TCD4-30 | 4 | 30 | 9.35 |
| TCD5-32 | 5 | 32 | 11.53 |
| TCD5-33.7 | 5 | 33.7 | 11.61 |
| TCD5-35 | 5 | 35 | 10.78 |
| TCD5-38 | 5 | 38 | 11.90 |
| TCD5-42 | 5 | 42 | 12.57 |

STACKING BOLT

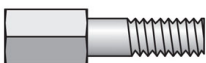
Single



| Part Number | Group | Bolt Size | List Price (\$) |
|-------------|-------|-----------|-----------------|
| SBS1-M6x20 | 1 | 20 mm | 2.64 |
| SBS2-M6x25 | 2 | 25 mm | 3.21 |
| SBS3-M6x30 | 3 | 30 mm | 3.69 |
| SBS4-M6x35 | 4 | 35 mm | 3.76 |
| SBS5-M6x50 | 5 | 50 mm | 4.10 |

STACKING BOLT

Double



| Part Number | Group | Bolt Size | List Price (\$) |
|-------------|-------|-----------|-----------------|
| SBD1-M6x20 | 1 | 20 mm | 3.27 |
| SBD2-M8x20 | 2 | 20 mm | 3.65 |
| SBD3-M8x29 | 3 | 29 mm | 3.84 |
| SBD4-M8x34 | 4 | 34 mm | 4.40 |
| SBD5-M8x46 | 5 | 46 mm | 4.30 |

STACKING PLATE

Single



| Part Number | Group | List Price (\$) |
|-------------|-------|-----------------|
| SPS1 | 1 | 0.33 |
| SPS2 | 2 | 1.05 |
| SPS3 | 3 | 1.21 |
| SPS4 | 4 | 1.40 |
| SPS5 | 5 | 1.65 |

STACKING PLATE

Double



| Part Number | Group | List Price (\$) |
|-------------|-------|-----------------|
| SPD1 | 1 | 1.05 |
| SPD2 | 2 | 1.21 |

SEAL - DOWTY

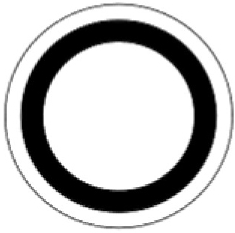
Metric



| Part Number | Size | List Price (\$) |
|-------------|-------|-----------------|
| DS-M08 | 8 mm | 3.19 |
| DS-M10 | 10 mm | 2.15 |
| DS-M12 | 12 mm | 1.85 |
| DS-M14 | 14 mm | 2.04 |
| DS-M16 | 16 mm | 2.13 |
| DS-M18 | 18 mm | 2.60 |
| DS-M20 | 20 mm | 2.22 |
| DS-M22 | 22 mm | 2.54 |
| DS-M24 | 24 mm | 2.68 |
| DS-M26 | 26 mm | 3.11 |
| DS-M27 | 27 mm | 3.62 |
| DS-M30 | 30 mm | 4.13 |
| DS-M33 | 33 mm | 5.19 |
| DS-M36 | 36 mm | 5.61 |
| DS-M42 | 42 mm | 8.44 |
| DS-M45 | 45 mm | 8.25 |
| DS-M48 | 48 mm | 11.62 |
| DS-M52 | 52 mm | 9.90 |

SEAL - DOWTY

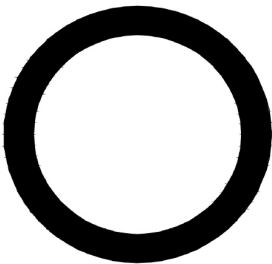
BSPB



| Part Number | Size (BSPB) | List Price (\$) |
|-------------|-------------|-----------------|
| DS-P02 | 1/8" | 1.72 |
| DS-P04 | 1/4" | 1.90 |
| DS-P06 | 3/8" | 2.05 |
| DS-P08 | 1/2" | 2.23 |
| DS-P10 | 5/8" | 2.31 |
| DS-P12 | 3/4" | 2.85 |
| DS-P16 | 1" | 3.85 |
| DS-P20 | 1.1/4" | 6.82 |
| DS-P24 | 1.1/2" | 8.11 |
| DS-P32 | 2" | 12.55 |
| DS-P40 | 2.1/2" | 66.97 |

SEAL - ENCAPSULATED

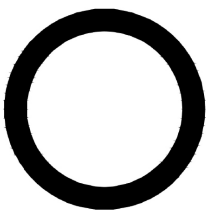
BSPB



| Part Number | Size | List Price (\$) |
|-------------|--------|-----------------|
| ES-P04 | 1/4" | 0.72 |
| ES-P06 | 3/8" | 0.69 |
| ES-P08 | 1/2" | 0.81 |
| ES-P12 | 3/4" | 0.89 |
| ES-P16 | 1" | 1.49 |
| ES-P20 | 1.1/4" | 2.20 |

RING - O'

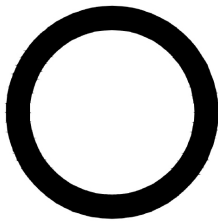
BSPB



| Part Number | Size | List Price (\$) |
|-------------|--------|-----------------|
| OR-P02 | 1/8" | 1.35 |
| OR-P04 | 1/4" | 1.51 |
| OR-P06 | 3/8" | 1.56 |
| OR-P08 | 1/2" | 1.40 |
| OR-P10 | 5/8" | 1.45 |
| OR-P12 | 3/4" | 1.56 |
| OR-P16 | 1" | 1.73 |
| OR-P20 | 1.1/4" | 2.41 |
| OR-P24 | 1.1/2" | 4.15 |
| OR-P32 | 2" | 7.95 |

RING - O'

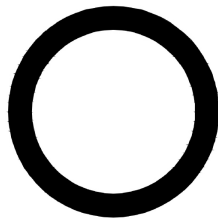
ORFS



| Part Number | Size | List Price (\$) |
|-------------|----------|-----------------|
| OR-O09 | 9/16" | 0.75 |
| OR-O11 | 11/16" | 0.79 |
| OR-O13 | 13/16" | 0.98 |
| OR-O16 | 1" | 1.14 |
| OR-O19 | 1.3/16" | 1.49 |
| OR-O23 | 1.7/16" | 1.74 |
| OR-O27 | 1.11/16" | 2.24 |
| OR-O32 | 2" | 2.75 |

RING - O'

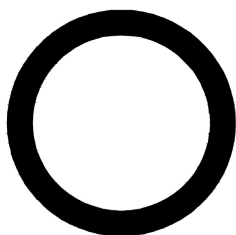
UNO



| Part Number | Size | List Price (\$) |
|-------------|---------|-----------------|
| OR-U07 | 7/16" | 0.98 |
| OR-U08 | 1/2" | 1.01 |
| OR-U09 | 9/16" | 1.01 |
| OR-U12 | 3/4" | 1.38 |
| OR-U14 | 7/8" | 1.38 |
| OR-U17 | 1.1/16" | 1.38 |
| OR-U21 | 1.5/16" | 1.71 |
| OR-U26 | 1.5/8" | 2.48 |
| OR-U30 | 1.7/8" | 2.81 |
| OR-U40 | 2.1/2" | 4.16 |

RING - O'

SAE



| Part Number | Size | List Price (\$) |
|-------------|--------|-----------------|
| OR-S08 | 1/2" | 1.55 |
| OR-S12 | 3/4" | 1.73 |
| OR-S14 | 7/8" | 2.42 |
| OR-S16 | 1" | 2.26 |
| OR-S20 | 1.1/4" | 2.48 |
| OR-S24 | 1.1/2" | 3.26 |
| OR-S32 | 2" | 3.87 |
| OR-S40 | 2.1/2" | 5.08 |

**TECHNICAL
INFORMATION**

QUICK CONVERSION

Pressure & Imperial to Metric

| Pressure Conversion | | | | |
|---------------------|------|-------|-----|--------|
| BAR | PSI | KPA | MPA | Kg/cm2 |
| 10 | 145 | 1000 | 1 | 10.2 |
| 20 | 290 | 2000 | 2 | 20.4 |
| 30 | 435 | 3000 | 3 | 30.6 |
| 40 | 580 | 4000 | 4 | 40.8 |
| 50 | 725 | 5000 | 5 | 51 |
| 60 | 870 | 6000 | 6 | 61.2 |
| 70 | 1015 | 7000 | 7 | 71.4 |
| 80 | 1160 | 8000 | 8 | 81.6 |
| 90 | 1305 | 9000 | 9 | 91.8 |
| 100 | 1450 | 10000 | 10 | 102 |
| 110 | 1595 | 11000 | 11 | 112.2 |
| 120 | 1740 | 12000 | 12 | 122.4 |
| 130 | 1885 | 13000 | 13 | 132.6 |
| 140 | 2030 | 14000 | 14 | 142.8 |
| 150 | 2175 | 15000 | 15 | 153 |
| 160 | 2320 | 16000 | 16 | 163.2 |
| 170 | 2465 | 17000 | 17 | 173.4 |
| 180 | 2610 | 18000 | 18 | 183.6 |
| 190 | 2755 | 19000 | 19 | 193.8 |
| 200 | 2900 | 20000 | 20 | 204 |
| 210 | 3045 | 21000 | 21 | 214.2 |
| 220 | 3190 | 22000 | 22 | 224.4 |
| 230 | 3335 | 23000 | 23 | 234.6 |
| 240 | 3480 | 24000 | 24 | 244.8 |
| 250 | 3625 | 25000 | 25 | 255 |
| 260 | 3770 | 26000 | 26 | 265.2 |
| 270 | 3915 | 27000 | 27 | 275.4 |
| 280 | 4060 | 28000 | 28 | 285.6 |
| 290 | 4205 | 29000 | 29 | 295.8 |
| 300 | 4350 | 30000 | 30 | 306 |
| 310 | 4495 | 31000 | 31 | 316.2 |
| 320 | 4640 | 32000 | 32 | 326.4 |
| 330 | 4785 | 33000 | 33 | 336.6 |
| 340 | 4930 | 34000 | 34 | 346.8 |
| 350 | 5075 | 35000 | 35 | 357 |
| 360 | 5220 | 36000 | 36 | 367.2 |
| 370 | 5365 | 37000 | 37 | 377.4 |
| 380 | 5510 | 38000 | 38 | 387.6 |
| 390 | 5655 | 39000 | 39 | 397.8 |
| 400 | 5800 | 40000 | 40 | 408 |
| 410 | 5945 | 41000 | 41 | 418.2 |
| 420 | 6090 | 42000 | 42 | 428.4 |
| 430 | 6235 | 43000 | 43 | 438.6 |
| 440 | 6380 | 44000 | 44 | 448.8 |
| 450 | 6525 | 45000 | 45 | 459 |
| 460 | 6670 | 46000 | 46 | 469.2 |
| 470 | 6815 | 47000 | 47 | 479.4 |
| 480 | 6960 | 48000 | 48 | 489.6 |
| 500 | 7250 | 50000 | 50 | 510 |

| Imperial to Metric Conversion | | | |
|-------------------------------|--------------|---------------|-------|
| Dash size | Inch decimal | Inch fraction | MM |
| -1 | 0.06 | 1/16" | 1.59 |
| -2 | 0.13 | 1/8" | 3.18 |
| -3 | 0.19 | 3/16" | 4.76 |
| -4 | 0.25 | 1/4" | 6.35 |
| -5 | 0.31 | 5/16" | 7.94 |
| -6 | 0.38 | 3/8" | 9.53 |
| -7 | 0.44 | 7/16" | 11.11 |
| -8 | 0.50 | 1/2" | 12.70 |
| -9 | 0.56 | 9/16" | 14.29 |
| -10 | 0.63 | 5/8" | 15.88 |
| -11 | 0.69 | 11/16" | 17.46 |
| -12 | 0.75 | 3/4" | 19.05 |
| -13 | 0.81 | 13/16" | 20.64 |
| -14 | 0.88 | 7/8" | 22.23 |
| -15 | 0.94 | 15/16" | 23.81 |
| -16 | 1.00 | 1" | 25.40 |
| -17 | 1.06 | 1.1/16" | 26.99 |
| -18 | 1.13 | 1.1/8" | 28.58 |
| -19 | 1.19 | 1.3/16" | 30.16 |
| -20 | 1.25 | 1.1/4" | 31.75 |
| -21 | 1.31 | 1.5/16" | 33.34 |
| -22 | 1.38 | 1.3/8" | 34.93 |
| -23 | 1.44 | 1.7/16" | 36.51 |
| -24 | 1.50 | 1.1/2" | 38.10 |
| -25 | 1.56 | 1.9/16" | 39.69 |
| -26 | 1.63 | 1.5/8" | 41.28 |
| -27 | 1.69 | 1.11/16" | 42.86 |
| -28 | 1.75 | 1.3/4" | 44.45 |
| -29 | 1.81 | 1.13/16" | 46.04 |
| -30 | 1.88 | 1.7/8" | 47.63 |
| -31 | 1.94 | 1.15/16" | 49.21 |
| -32 | 2.00 | 2" | 50.80 |
| -33 | 2.06 | 2.1/16" | 52.39 |
| -34 | 2.13 | 2.1/8" | 53.98 |
| -35 | 2.19 | 2.3/16" | 55.56 |
| -36 | 2.25 | 2.1/4" | 57.15 |
| -37 | 2.31 | 2.5/16" | 58.74 |
| -38 | 2.38 | 2.3/8" | 60.33 |
| -39 | 2.44 | 2.7/16" | 61.91 |
| -40 | 2.50 | 2.1/2" | 63.50 |

PRESSURE DROP CHART

Hose

The figures in the chart represent the approximate pressure drop in PSI per metre length of smooth bore hose excluding fittings

Fluid specifications: Viscosity Grade = ISO 46, Specific Gravity = 0.9, Absolute Viscosity = 41.4 at 40°C

| Flow Rate | | 1/4" | | 3/8" | | 1/2" | | 5/8" | | 3/4" | | 1" | | 1.1/4" | | 1.1/2" | | 2" | | |
|-----------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|--------|--------|--------|--------|-----|--------|--------|
| GPM | LPM | ^P | (V) | ^P | (V) | ^P | (V) | ^P | (V) | ^P | (V) | ^P | (V) | ^P | (V) | ^P | (V) | ^P | (V) | |
| 2 | 7.6 | 19.0 | (13.0) | 3.82 | (5.8) | | | | | | | | | | | | | | | |
| 3 | 11.4 | 29.0 | (19.6) | 5.73 | (8.7) | 1.8 | (4.9) | | | | | | | | | | | | | |
| 5 | 18.9 | 53.0 | (32.6) | 9.5 | (14.5) | 3.0 | (8.2) | 0.9 | (4.5) | | | | | | | | | | | |
| 10 | 37.9 | | | 26 | (29.0) | 6.4 | (16.3) | 1.8 | (9.0) | 1.2 | (7.2) | | | | | | | | | |
| 15 | 56.8 | | | | | 13.5 | (24.5) | 3.1 | (13.4) | 1.8 | (11.0) | 0.6 | (6.12) | | | | | | | |
| 20 | 75.7 | | | | | 23.0 | (32.7) | 5.3 | (17.9) | 3.2 | (14.5) | 0.8 | (8.2) | | | | | | | |
| 25 | 94.6 | | | | | | | 8.0 | (22.0) | 4.2 | (18.2) | 1.2 | (10.2) | | | | | | | |
| 30 | 113.6 | | | | | | | 11.0 | (27.0) | 6.7 | (21.8) | 1.7 | (12.3) | 0.6 | (7.8) | | | | | |
| 40 | 151.4 | | | | | | | | | 11.8 | (29.0) | 2.8 | (16.3) | 1.0 | (10.5) | | | | | |
| 50 | 189.3 | | | | | | | | | | | 4.3 | (20.4) | 1.4 | (13.0) | | | | | |
| 60 | 227.1 | | | | | | | | | | | 6.0 | (24.5) | 2.0 | (15.7) | 0.8 | (10.9) | | | |
| 70 | 265.0 | | | | | | | | | | | 7.9 | (28.6) | 2.7 | (18.3) | 1.1 | (12.7) | 0.3 | (7.1) | |
| 80 | 302.8 | | | | | | | | | | | 10.0 | (32.7) | 3.4 | (20.9) | 1.4 | (14.5) | 0.4 | (8.2) | |
| 100 | 378.5 | | | | | | | | | | | | | 5.0 | (26.0) | 2.1 | (18.0) | 0.5 | (10.2) | |
| 150 | 567.8 | | | | | | | | | | | | | | | 4.3 | (27.2) | 1.1 | (15.3) | |
| 200 | 757.0 | | | | | | | | | | | | | | | | | 1.8 | (20.4) | |
| 300 | 1135.5 | | | | | | | | | | | | | | | | | | 3.7 | (30.6) |

^P = Pressure Drop in PSI
V = Velocity in Ft/Sec

Example

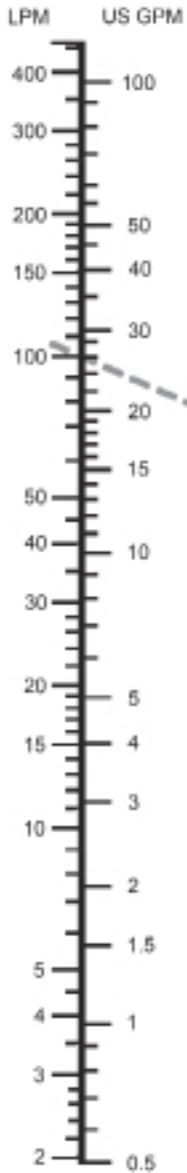
10m of 6G2

Oil flow rate of 5 GPM = 9.5 (^P)

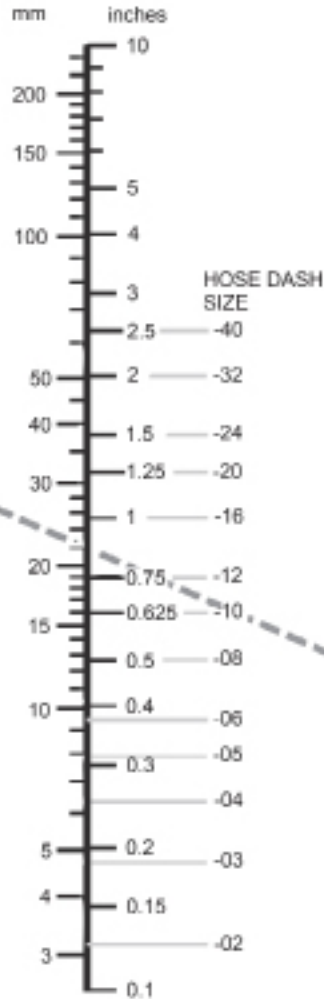
m x P = Pressure Drop

10 x 9.5 = 90.50m psi @ 5GPM

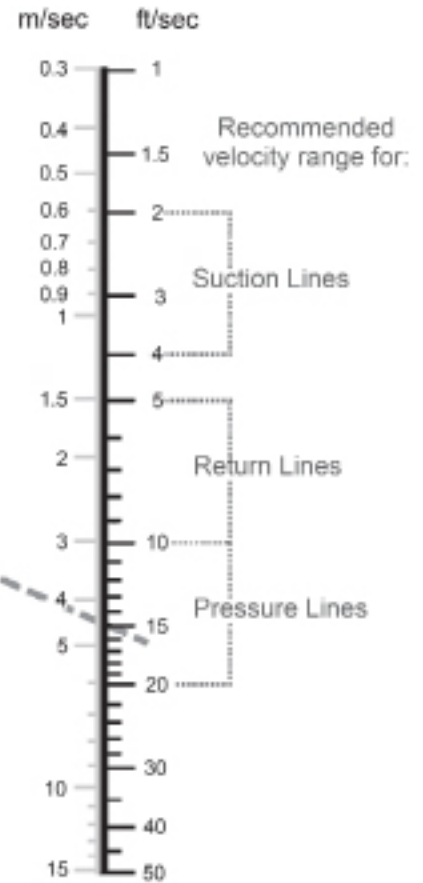
FLOW RATE



HOSE BORE



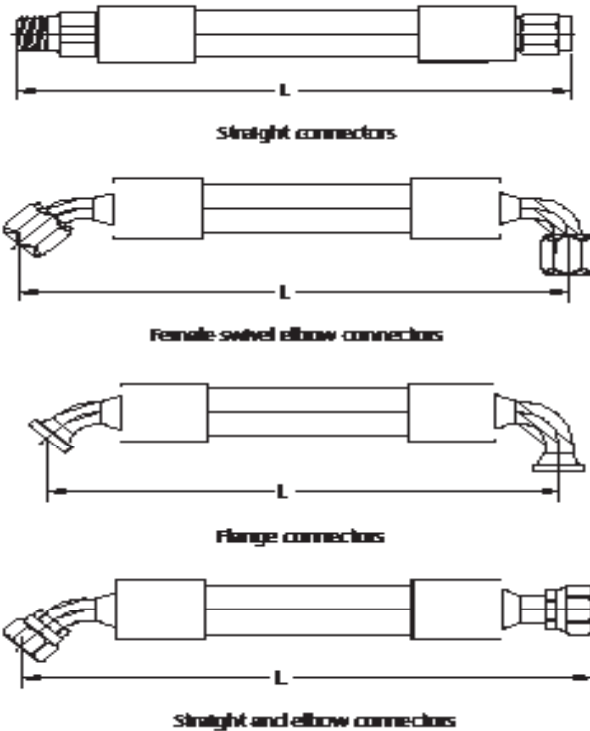
FLOW VELOCITY



Using any two known factors lay a ruler across to find the value of the unknown factor line

Hose Assembly Length

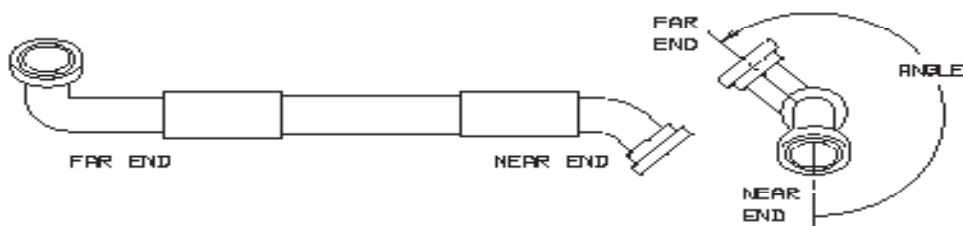
Unless otherwise specified, assembly length shall be the overall length measured from the extreme end of one connector to the extreme end of the other. Where elbow connectors are used, measurement shall be the centerline of the fitting.



How to determine Angular Orientation

When a hose assembly has an elbow connection at each end, it will be necessary to check the offset position of the connections relative to each other.

This can be done by positioning the farthest connection vertically up (or down) and viewing the assembly in a line of sight position, the offset can then be measured in a clockwise direction through the centre of the farthest end to the centre of the nearest end.



CONNECTOR PRESSURE TABLES

JIC, BSPP, BSPT, SAE

IMPORTANT NOTICE

The pressures specified in this document are to be used as a guide only, not as a standard, specification or guaranteed minimum.

Many factors influence the pressure at which a system will operate. These factors include torque settings, alignment, vibration, external environment, correctness of installation, alignment, adequate support, temperature limits, pressures and pulses.

The Maximum Rated Working Pressure on an assembly or installation is the Maximum Rated Working Pressure of the component/connection with the least rating.

| JIC | | | | |
|------|------|------|--------|------|
| Dash | Male | | Female | |
| | Bar | PSI | Bar | PSI |
| 07 | 480 | 7000 | 480 | 7000 |
| 08 | 480 | 7000 | 480 | 7000 |
| 09 | 345 | 5000 | 345 | 5000 |
| 12 | 275 | 4000 | 275 | 4000 |
| 14 | 260 | 3800 | 260 | 3800 |
| 17 | 240 | 3500 | 240 | 3300 |
| 21 | 225 | 3000 | 225 | 3500 |
| 26 | 170 | 2500 | 170 | 2500 |
| 30 | 145 | 2100 | 145 | 2100 |
| 40 | 120 | 1750 | 120 | 1750 |

| BSPP | | | | | | |
|------|---------------------|------|-----------------|------|-----------------|------|
| DASH | Male - Encapsulated | | Male Adjustable | | Female - Swivel | |
| | Bar | PSI | Bar | PSI | Bar | PSI |
| 02 | 600 | 8700 | 275 | 4000 | 550 | 8000 |
| 04 | 600 | 8700 | 275 | 4000 | 550 | 8000 |
| 06 | 600 | 8700 | 275 | 4000 | 520 | 7500 |
| 08 | 400 | 6000 | 275 | 4000 | 380 | 5500 |
| 12 | 400 | 6000 | 170 | 2500 | 275 | 4000 |
| 16 | 400 | 6000 | 170 | 2500 | 240 | 3500 |
| 20 | 380 | 5500 | 140 | 2000 | 200 | 3000 |
| 24 | 380 | 5500 | 140 | 2000 | 175 | 2500 |
| 32 | 250 | 3500 | | | 140 | 2000 |

BSPT

| Dash | Male - Fixed | | Male - Swivel | | Female - Fixed | |
|------|--------------|-------|---------------|------|----------------|--|
| | Bar | PSI | Bar | PSI | Bar | |
| 02 | 690 | 10000 | | | 550 | |
| 04 | 650 | 9500 | 260 | 3750 | 550 | |
| 06 | 550 | 8000 | 200 | 3000 | 520 | |
| 08 | 410 | 6000 | 170 | 2500 | 380 | |
| 10 | 340 | 5000 | 170 | 2500 | 275 | |
| 12 | 340 | 5000 | 170 | 2500 | 275 | |
| 16 | 275 | 4000 | | | 240 | |
| 20 | 200 | 3000 | | | 200 | |
| 24 | 140 | 2000 | | | 175 | |
| 32 | 140 | 2000 | | | 140 | |

NPT

| Dash | Male - Fixed | | Male - Swivel | | Female - Fixed | |
|------|--------------|-------|---------------|------|----------------|------|
| | Bar | PSI | Bar | PSI | Bar | PSI |
| 02 | 690 | 10000 | | | 550 | 8000 |
| 04 | 650 | 9500 | 260 | 3750 | 550 | 8000 |
| 06 | 550 | 8000 | 200 | 3000 | 520 | 7500 |
| 08 | 410 | 6000 | 170 | 2500 | 380 | 5500 |
| 12 | 340 | 5000 | 170 | 2500 | 275 | 4000 |
| 16 | 275 | 4000 | | | 240 | 3500 |
| 20 | 200 | 3000 | | | 200 | 3000 |
| 24 | 140 | 2000 | | | 175 | 2500 |
| 32 | 140 | 2000 | | | 140 | 2000 |

SAE

| Dash | CD61 | | CD62 | |
|------|------|------|------|------|
| | Bar | PSI | Bar | PSI |
| 08 | 345 | 5000 | 410 | 6000 |
| 12 | 345 | 5000 | 410 | 6000 |
| 16 | 345 | 5000 | 410 | 6000 |
| 20 | 275 | 4000 | 410 | 6000 |
| 24 | 205 | 3000 | 410 | 6000 |
| 32 | 205 | 3000 | 410 | 6000 |

JIS

| Dash | Male | | Female | |
|--------|------|------|--------|------|
| | Bar | PSI | Bar | PSI |
| 14 (M) | 450 | 6500 | 410 | 6000 |
| 16 (M) | 450 | 6500 | 410 | 6000 |
| 22 (M) | 410 | 6000 | 380 | 5500 |
| 24 (M) | 345 | 5000 | 310 | 4500 |
| 30 (M) | 275 | 4000 | 260 | 3750 |

CRIMP CHARTS

Hose

One Wire

| R1AT 1SN | | One Piece | Two Piece |
|----------|-------|-----------|-----------|
| Dash | Size | mm | mm |
| 04 | 1/4" | 17.3 | 18.4 |
| 05 | 5/16" | | 19.5 |
| 06 | 3/8" | 21.5 | 21.6 |
| 08 | 1/2" | 25 | 23.6 |
| 10 | 5/8" | 28.3 | 27.2 |
| 12 | 3/4" | 31.8 | 30.8 |
| 16 | 1" | 40.5 | 39.4 |

Two Wire

| R2AT 2SN | | One Piece | Two Piece |
|----------|-------|-----------|-----------|
| Dash | Size | mm | mm |
| 04 | 1/4" | 18.3 | 19.4 |
| 05 | 5/16" | 19.8 | 20.5 |
| 06 | 3/8" | 22.5 | 22.2 |
| 08 | 1/2" | 26.0 | 24.6 |
| 10 | 5/8" | 29.2 | 28.2 |
| 12 | 3/4" | 32.7 | 31.8 |
| 16 | 1" | 41.5 | 40.4 |

QUALITY

With **HYDPOWER'S** Hose & fittings range you can be rest assured that all of our products listed in this catalogue have been thoroughly tested within the performance parameters of the relevant hose types we supply. To obtain optimum performance from our hose & fittings, all connections should be made in accordance with any technical data we produce. All our products are manufactured to global industry standards and come with an industry leading 24 month no quibble warranty.

COMPATIBILITY

It is important to not mix & match hydraulic hose supplied by us with fittings from another manufacturer. It is the responsibility of the hose assembly fabricator to consult the manufacturers assembly instructions before intermixing hose & fittings from two different manufacturers. We accept no responsibility if these guidelines are not followed.

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We understand that when you order products from us, you need them quickly. We pride ourself on our accurate product selection and timely distribution. We will pick your parts right first time and get them out to you as fast as possible using our shipping & courier network. Our comprehensive ordering & despatch system ensures that your orders are correct before leaving us.

WHAT YOU CAN EXPECT

Differentiation - Both product manufacture and quality control are under direct and daily supervision of first class team here in Australia. All products are checked and packed in our factory before being shipped directly to you.

Logistics Support - We are experts in receiving, breaking down shipments and on-forwarding customer orders to the point of supply. This minimises logistic costs, handling points and lead time for you.

Supply chain connection - With our advanced, in house developed cloud-based logistics system, we're able to interact with you directly, taking care of the complete supply chain process from start to finish.

Cost-effective convenience - You have the advantage of dealing with a quality supplier at a low-cost base. The efficiency of our supply chain processes adds to the cost effectiveness.

Peace of mind - Our aim is to save you time, money and stress. We deal with all the detail associated with supply (quality control, importing, minimum order quantities and more) while providing seamless communication with you. The process is effortless for you and gives you the security and convenience of dealing with a wholly owned Australian company. It frees you up to do what you do best.

Contact us today to find out how **HYDPOWER** can work with your company to supply and deliver quality products.

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TERMS & CONDITIONS

STANDARD CONDITIONS OF SALE "Hydpower Hydraulics" means Hydpower Hydraulics Pty Ltd A.B.N 38 114 349 245 and all related corporations, successors and assigns;

"Contract" means the contract referred to in Clause 2;

"Customer" means a person or entity acquiring or offering to acquire Products from Hydpower Hydraulics and, where the Customer comprises more than one party, the covenants and obligations of each party are joint and several;

"Products" mean all products, services and equipment supplied or to be supplied by Hydpower Hydraulics to the Customer;

"Conditions" means these Standard Conditions of Sale.

1. APPLICATION OF CONDITIONS

Unless otherwise agreed in writing by Hydpower Hydraulics, these Conditions will apply to all quotations, orders and offers in relation to the Products and the sale, supply, service and replacement of all Products and will take precedence over any inconsistent provisions in any Customer order or contained or referred to elsewhere or implied by trade custom, practice or course of dealing.

2. ORDERS AND CONTRACT

2.1 Each order by a Customer is deemed to be an offer to the Company under these Conditions and is not binding on Hydpower Hydraulics prior to Hydpower Hydraulics acceptance of it. On Hydpower Hydraulics written acceptance of an order, the order and these Conditions will constitute the entire agreement of the parties in relation to the subject of that order (the "Contract") and may only be varied in writing, signed by the parties.

2.2 Acceptance by the Customer of possession and/or delivery of Products will constitute acceptance or confirmation of previous acceptance of these Conditions to be exclusion of all other terms or provisions.

2.3 The Customer is not entitled to cancel any order or materially vary any specifications without Hydpower Hydraulics previous consent in writing.

3. QUOTATIONS AND PRICES

3.1 Prices quoted by Hydpower Hydraulics are firm for a period of 28 days from the date of quotation.

3.2 Hydpower Hydraulics reserves the right to make any changes necessary to correct errors or allow for increases in the cost of labour, materials, freight, foreign exchange rates, taxes, duty or other levies taking effect prior to the date of delivery.

3.3 Unless otherwise stipulated, the quoted price is exclusive of all taxes and duties, transit insurance and transportation costs and charges of any other kind, for which the Customer will also be liable.

4. CREDIT

Hydpower Hydraulics reserves the right to withdraw credit at any time and substitute cash with order or cash on delivery or any other terms. Hydpower Hydraulics may refuse to proceed with any Contract at any time if the Customer's credit is/or becomes unsatisfactory to Hydpower Hydraulics.

5. DESCRIPTION

5.1 Hydpower Hydraulics catalogues, price lists and quotations do not constitute offers. Any description of Products given by Hydpower Hydraulics is for identification purposes only and does not constitute the Contract of sale by description.

5.2 All drawings, designs, specifications and particulars of weight, dimensions and any figures or statements as to the performance of the Products issued by Hydpower Hydraulics are intended merely to describe the Products generally and are not to be regarded as warranty, representation or contractual term unless expressly agreed by Hydpower Hydraulics in writing.

6. TITLE AND RISK

6.1 Notwithstanding any arrangements made for the transportation of the Products to the Customer's nominated destination, all Products sold are at the risk of the Customer from the time the Products leave Hydpower Hydraulics premises.

6.2 Regardless of the point at which risk in the Products passes to the Customer, Products remain the property of the Company as legal and equitable owner and no property in or title to any Products supplied with pass to the Customer until payment has been made (and all cheques and other negotiable instruments have been cleared) for all Products supplied by Hydpower Hydraulics to the Customer. Pending legal and beneficial ownership of the Products passing to the Customer, the Customer must: - 1. Keep the Products in good condition; 2. keep the Products fully insured to their full replacement value against all risks; 3. not encumber the Products in any way; and iv. hold and keep the Products separately from other property in the possession of the Customer in a manner which enables the products to be easily identifiable as Products supplied by Hydpower Hydraulics.

6.3 Failure to make any payment to Hydpower Hydraulics by the due date will, without prejudice to any other available remedies, entitle Hydpower Hydraulics to repossess the Products from any premises where they may be situated. For the purpose of repossessing the Products, the customer hereby grants and irrevocable licence to Hydpower Hydraulics, its employees or agents, to enter upon such premises as Hydpower Hydraulics reasonable suspects the Products may be located, using such reasonable force as is necessary and the Customer will indemnify the Company from and against any liability to any third party in respect of any such damage and from and against all actions, proceedings, claims, demands, costs, damages and expenses howsoever arising.

6.4 Hydpower Hydraulics will be entitled to bring an action against the Customer for the price of the Products in the event of non-payment by the Customer by the due date as if the property in the Products had already passed to the Customer and will also have the right by notice in writing to the Customer at any time after the agreed delivery date to pass the property in the Products to the Customer as from the date of such notice.

7. CLAIMS

7.1 Return of Products will not be accepted unless: - 1. Hydpower Hydraulics has received a substantiated written claim within 14 days from the date of delivery; 2. Prior authorisation has been given by the Company; 3. On return, the Products are accompanied by appropriate documentation which stipulates the invoice number, the Customer name and address and the reasons for return; iv. The Products are faulty by reason only that the quality of materials used for the construction of the Products or the manufacturing process was defective.

For comprehensive details please see our website for details.

Horizontal lines for writing notes



contact the **HYDPOWER** team today
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