



## Quick Couplers & Valves



**QUALITY**



**VALUE**



**SELECTION**



# PRODUCT CATALOGUE



## Index

| <b>Poppet Type Couplers</b>            | <b>Page</b> |
|----------------------------------------|-------------|
| <b>ISO 7241-A</b>                      |             |
| S1 Series                              | <b>6</b>    |
| S1Y Series Connect Under Pressure      | <b>6</b>    |
| S1SS Series 316 SS                     | <b>6</b>    |
| <b>ISO 7241-B</b>                      |             |
| S2 Series ISO B Steel BSP, NPT & UNO   | <b>7</b>    |
| S2 Series ISO B Brass BSP & NPT        | <b>8</b>    |
| S2 Series ISO B 304 SS BSP             | <b>8</b>    |
| S2 Series ISO B 316 SS BSP & NPT       | <b>9</b>    |
| <b>Agricultural Series Poppet</b>      |             |
| PK Series ISO 5675 Poppet & KZ         | <b>10</b>   |
| NV Series Faster Interchange Poppet    | <b>10</b>   |
| S5 Series Push Pull ISO 5675           | <b>11</b>   |
| S5 Series Push Pull Bulk Head ISO 5675 | <b>11</b>   |
| S5 Series Connect Under Pressure       | <b>11</b>   |
| S312 Series                            | <b>11</b>   |
| 3CFPV & 3CFHF                          | <b>12</b>   |
| 4SRPV C.U.P Male & Female              | <b>12</b>   |
| 5DCPV-08 Cartridge                     | <b>13</b>   |
| S10 Series Trailer Brake Coupling      | <b>13</b>   |
| <b>Agricultural Couplers Ball Type</b> |             |
| S4 Series ISO 5675 Ball                | <b>14</b>   |
| NS Series Ball Faster Interchange      | <b>14</b>   |
| S5 Series Push Pull Ball               | <b>14</b>   |
| <b>Transport</b>                       |             |
| PBR Series Transport Couplers          | <b>14</b>   |
| <b>Flat Face Couplers</b>              |             |
| FF Series BSP & UNO                    | <b>15</b>   |
| FF JIC Bulkhead                        | <b>16</b>   |
| FFYM Series Connect Under Pressure     | <b>16</b>   |
| FF 90 Deg Compact                      | <b>16</b>   |
| FF Series 316 Stainless Steel          | <b>16</b>   |

| <b>Flat Face Couplers</b>             | <b>Page</b> |
|---------------------------------------|-------------|
| VEP Series Screw Flat Face            | <b>17</b>   |
| FFH Series Cartridge M46 & M48        | <b>17</b>   |
| HDB Modular System                    | <b>18</b>   |
| 4BD4FH Modular System                 | <b>19</b>   |
| 4BD4FH3/8FF Drain for 4BD4FH          | <b>19</b>   |
| <b>Screw Couplers</b>                 |             |
| S300 700 BAR Poppet & Ball            | <b>20</b>   |
| VV Series                             | <b>20</b>   |
| S75 Series                            | <b>20</b>   |
| VVS Series                            | <b>21</b>   |
| CVV Series BSP & Heavy Duty Male      | <b>21</b>   |
| CVV Series Metric Heavy Male          | <b>22</b>   |
| S600 Series                           | <b>22</b>   |
| <b>Pressure Wash Couplers</b>         |             |
| ST Series NPT & BSP                   | <b>23</b>   |
| ST Series BSP Steel Nipples           | <b>23</b>   |
| ST Series BSPT & BSP Stainless Steel  | <b>24</b>   |
| CR Series 316 SS 15,000 PSI W.P.      | <b>24</b>   |
| <b>Tema Interchange</b>               |             |
| TM Series Tema                        | <b>25</b>   |
| <b>Speciality Couplers</b>            |             |
| TC Series 10,000 PSI W.P.             | <b>25</b>   |
| TF Series 1500 Bar, 21,730 PSI W.P.   | <b>25</b>   |
| 1141 Series 10,000 PSI W.P.           | <b>25</b>   |
| <b>Diagnostic</b>                     |             |
| PD Series, Cat, John Deere, Case      | <b>26</b>   |
| KD Series Komatsu, Hitachi            | <b>26</b>   |
| Test 20 M16*2 Test Points, Steel & SS | <b>27</b>   |
| Test Hoses                            | <b>27</b>   |



## Index

| Diagnostic                              | Page |
|-----------------------------------------|------|
| 63mm Gauges BSPP Bottom & Rear Entry    | 28   |
| 63mm Gauge Protector, Rear Bracket      | 28   |
| 63mm Gauges BSPT Bottom Entry           | 29   |
| Gauge Adaptors & T20 Joiner             | 29   |
| Test Kits, Accumulator Charging Kit     | 30   |
| Pneumatic Couplers                      |      |
| 200 Series Nitto Interchange Steel & SS | 31   |
| 21KA Rectus 21KA Interchange            | 32   |
| 300 Series ARO Interchange              | 33   |
| Hydraulic Swivels                       |      |
| SJ10 Straight Swivel                    | 33   |
| SJ90 90 Degree Swivel                   | 33   |
| Ball Valves                             |      |
| KHB 2 Way Ball Valves BSP Female        | 34   |
| KHB 2 Way Ball Valves Metric Heavy Male | 34   |
| KHB3K 3 Way Ball Valve "L" Type         | 34   |
| KHB3K 3 Way Ball Valve "T" Type         | 35   |
| Flow Control                            |      |
| LG Type Double Acting                   | 35   |
| LGA Type Single Acting                  | 35   |
| Check Valves                            | 36   |
| Valve Accessories                       |      |
| Straight Handles Steel                  | 36   |
| Cranked Handles Steel                   | 36   |
| Valve Stem Locking Device               | 36   |
| Valve Stop Plate "1/4 to 1/2 Valves"    | 36   |
| Coupling Protection                     |      |
| S1 ISO A Dust Caps & Plugs              | 37   |
| FTC Flip Caps                           | 37   |
| S4/PK ISO 5675 Dust Caps & Plugs        | 37   |
| S2 Dust Caps & Plugs                    | 38   |
| FF & FFH Dust Caps & Plugs              | 38   |

| Coupling Protection                 | Page |
|-------------------------------------|------|
| S300 Dust Caps & Plugs Polyurethane | 38   |
| S300 Dust Caps & Plugs Aluminium    | 38   |
| VV Dust Caps & Plugs Aluminium      | 39   |
| VVS Dust Caps & Plugs Aluminium     | 39   |
| CVV Dust Caps & Plugs               | 39   |
| S75 Dust Caps & Plugs               | 39   |
| PBR Dust Caps & Plugs               | 40   |
| TM Dust Caps & Plugs                | 40   |
| S600 Dust Caps & Plugs              | 40   |
| S10 Dust Caps & Plugs               | 40   |
| TC Dust Caps & Plugs                | 40   |
| VEP Dust Caps & Plugs               | 41   |
| Colour Coding Sleeves               |      |
| ISO A 1/2 Coloured Sleeves          | 41   |
| ISO A 3/4 Coloured Sleeves          | 41   |
| Hose Grip Coloured Sleeves          | 41   |
| Miscellaneous Items                 |      |
| Hose Grip                           | 42   |
| HPR Hydraulic Pressure Relief Tool  | 43   |
| WPA-3 Air Hydraulic Pump            | 44   |
| WPE-B Battery Powered Pump          | 45   |
| Seal Kits & CVV16 Rebuild kit       | 46   |
| Conversion Adaptors                 | 47   |
| Bonded Seals                        | 47   |
| Technical                           |      |
| Pressure & Flow Charts              | 48   |
| Flat Face Size Dimension Chart      | 49   |
| ISO A & ISO 5675 Dimension Chart    | 49   |
| Screw Coupler ID Chart              | 49   |
| X Reference Charts                  |      |
| Sparex Interchange                  | 50   |
| Vapormatic Interchange              | 51   |
| Bareco Interchange                  | 51   |



## Warning

When disconnecting any hydraulic coupling you need to be aware of the possibility that high residual pressure could be in the system and it can be very dangerous.

Do not force the coupling valve to release the pressure, use a coupling that can be connected under pressure or a tool such as the HPR to release the pressure safely.

## Responsibility

It is difficult to consider all risk factors in every possible application.

The final choice of the product is the responsibility of the customer who has made the choice from the information available. The customer has to make sure all specifications of the selected coupler suits the application.

**Hydraulic Connect are not responsible for damages to persons or machines caused by improper use or incorrect selection or maintenance of products.**

## Safety Guide for Using Quick Couplers

This safety guide provides instructions for using quick couplers. Improper use and incorrect maintenance of products with high internal working pressures could cause malfunction and damage to persons or machines. It is important that you can read and follow safety instructions. If you have any questions contact Hydraulic Connect.

- Carefully check the specifications of any new coupler before use.
- Make sure the coupler is suitable for pressure, flow, fluid compatibility required for the application.
- Check the function of the coupler before use by connecting and disconnecting a few times.
- Verify the threads are correct for fit and seal.
- Before connecting clean both male & female parts to prevent dirt inclusion into the system.
- When couplers are disconnected, protect them with the correct dust cap or plug.
- After fitting a new coupler test the system under maximum working pressure.
- When using Flat Face couplers, the most critical moment is when the valve in the male moves and causes an internal volume reduction. This causes a pressure increase.
- In order to reduce the internal stress we have a male Flat Face coupling equipped with a triple valve system. This allows connection under residual pressure using the standard female coupling. **Important this only works when the male is under pressure, the female has to be free of pressure.**
- Do not use any coupling as a swivel, strong side loads will damage the couplings seals and bearings, creating leaks and potential catastrophic failure which could cause injury to persons or damage to machines.



To allow for maximum interchangeability our couplers are designed to conform to the latest ISO and DIN specifications.

This ensures full interchangeability with all couplings that conform to the same standard.

The chart below is to help identify the correct series of ISO or DIN poppet or ball type coupler.

A simple dimension check will identify the correct series of coupler.

The difference between the PK, S4, NS & NV is:

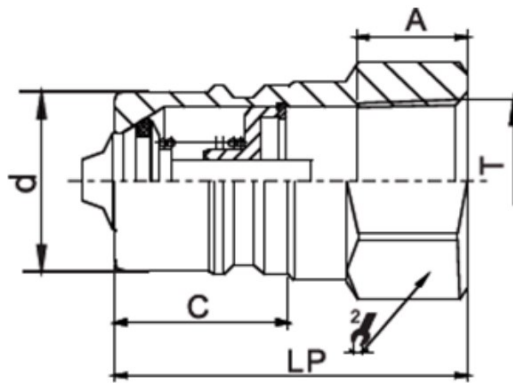
PK & NV are poppet type couplers, S4 & NS are ball type couplers

## Poppet Selection Chart

### Dimension Check

| Series | Standard       |
|--------|----------------|
| S1     | ISO 7241-A     |
| PK/S4  | ISO 5675 (DIN) |
| S2     | ISO 7241-B     |
| NV/NS  | ISO 5675 (DIN) |

NV & NS are Faster Couplers



| Size   | Series       | LP    | d mm         | C     |       | A     |
|--------|--------------|-------|--------------|-------|-------|-------|
| 1/4    | S1           | 35.50 | 11.80        | 15.00 | 1     | 13.00 |
|        | PK/S4        | 36.00 | 14.20        | 18.50 | 19.00 | 12.50 |
|        | S2           | 36.00 | 14.20        | 22.80 | 19.00 | 13.00 |
| Faster | NS/NV        | 36.00 | 14.20        | 18.50 | 19.00 | 12.50 |
| 3/8    | S1           | 36.50 | 17.30        | 21.40 | 22.00 | 14.00 |
|        | PK/S4        | 40.00 | 19.00        | 22.00 | 24.00 | 13.00 |
|        | S2           | 40.00 | 19.00        | 25.00 | 24.00 | 13.00 |
| Faster | NS/NV        | 40.00 | 19.00        | 22.00 | 24.00 | 13.00 |
| 1/2    | S1           | 43.50 | 20.50        | 27.00 | 27.00 | 16.00 |
|        | PK/S4        | 46.00 | 20.50        | 29.00 | 27.00 | 18.00 |
|        | S2           | 46.50 | 23.50        | 28.00 | 28.50 | 20.50 |
| Faster | NS/NV        | 46.00 | 20.50        | 29.00 | 27.00 | 18.00 |
| 3/4    | <b>S1</b>    | 57.00 | <b>29.00</b> | 28.00 | 35.00 | 18.00 |
|        | <b>PK/S4</b> | 51.00 | <b>26.90</b> | 28.50 | 33.30 | 18.00 |
|        | <b>S2</b>    | 56.00 | 31.50        | 36.00 | 36.00 | 22.00 |
| Faster | <b>NS/NV</b> | 55.00 | <b>28.00</b> | 36.00 | 33.30 | 18.00 |
| 1"     | S1           | 59.50 | 34.30        | 36.00 | 41.00 | 21.00 |
|        | PK/S4        | 53.50 | 31.30        | 32.00 | 34.00 | 19.00 |
|        | S2           | 63.00 | 37.80        | 45.00 | 41.00 | 23.00 |
| Faster | NS/NV        | 53.50 | 31.30        | 32.00 | 34.00 | 19.00 |

The highlighted dimensions are the ones to check on the 3/4 size male.

Quick Coupling X Reference Guide

| Hyd Conn      | Parker   | Faster | Stucchi   | Pirtek | Ryco    | Holmbury | Eaton   | Fluid Conn | Manuli | DNP  | Snap-Tite | Dixon | Stauff | Inteva |
|---------------|----------|--------|-----------|--------|---------|----------|---------|------------|--------|------|-----------|-------|--------|--------|
| <b>S1</b>     | 6600     | ANV    | BIR       | 6600   | R82/81  | IA       | 5600    | QA         | A      | PAV1 | 61        | K     | IA     | 101    |
| <b>S1Y</b>    | 8010 DC  | 4NV    | BIR PC    |        | R81 CP  | IAPC     | FD72    | QA PC      | AP     | PKK1 | 63        |       | HU     | 105    |
| <b>PK</b>     | 4000     | NV     | IR V      | 4000   | R80     | DINV     |         | QD         | N      | PDV1 | 60        | AG    | ID     | 104    |
| <b>NV</b>     |          | NV     | IR V (FA) | 4000   |         | DINV     | FD42    | QDF        |        | PDV1 |           | AG    | ID     | 104    |
| <b>S4</b>     | 4000     | NS     | IR        | 4000   | R91/R94 | DINB     |         |            | N      | PDS1 |           | AG    |        | 104    |
| <b>NS</b>     |          | NS     | IR (FA)   | 4000   |         | DINB     |         |            |        | PDS1 |           | AG    |        | 104    |
| <b>S5</b>     | 4200     | PV/PS  | IRS/IP    | 6602P  | R94/96  | P        | FD71    | QAF PPS    | AF     | PPV1 | 61DC      | AG    | HP     | 105    |
| <b>3CFPV</b>  | RSD      | 3CFPV  |           |        |         | IAP      |         | QAF MSM    | ARM    | PPK3 |           |       | UX10   | 107    |
| <b>PBR</b>    |          | NZV    | IRN       | 9500   | R140    |          | PB3310  | QPBR       |        | PNZ1 |           |       | HG     |        |
| <b>S2-G</b>   | H62/63   | HNV    | IRB       | F6600  | R55     | IB       | FD45/HK | QB         | B      | PBV1 | 72        | H     | IB     | 103    |
| <b>S2-N</b>   | H62/63   | HNV    | IRB       | 60B    | R45     | IB       | FD45/HK | QB         | B      | PBV1 | 72        | H     | IB     | 103    |
| <b>S2-GB</b>  | BH60/61  | HNV    | IRBO      |        | R55B    | IBB      | FD45/HK |            | B      | PBVM | B72       | H     | IB     | 103    |
| <b>S2-NB</b>  | BH60/61  | HNV    | IRBO      |        | R45B    | IBB      | FD45/HK |            | B      | PBVM | B72       | H     | IB     | 103    |
| <b>S2-GS</b>  | SH62/63  | HNV    |           |        | R55S    |          | FD45/HK |            |        |      | S72       | H     | IB     |        |
| <b>S2-GSS</b> | SSH62/63 | HNV    | IRBX      | SF6600 | R55SS   | IBS      | FD45/HK | S-QB       | B      | PBVX | SS72      | H     | IB     | 103    |
| <b>S2-NSS</b> | SSH62/63 | HNV    | IRBX      |        | R45SS   | IBS      | FD45/HK | S-QB       | B      | PBVX | SS72      | H     | IB     | 103    |
| <b>FF-G</b>   | FEM-FB   | FFH    | FIRG      | 7000** | R110    | HQ       | FD89/FF | QFF        | FH     | PLT4 | 74        | HT    | FF/FH  | 131    |
| <b>FF-U</b>   | FEM-FO   | FFH    | FIRG      | 7500** | R112    | HQ       | FD89/FF | QFF        | FH     | PLT4 | 74        | HT    | FF/FH  | 131    |
| <b>FFY</b>    | FEC      | 3FFH   | APM       | 7200   |         | HCP      | FFCUP   | QFM-HCP    | FP     | PLK4 | CP74      | HTE   | FU     | 131    |
| <b>S300</b>   | 3000     | PVVM   | IVHP      | 3000   | R100    | PSP      | HP3     | QJ         | SC     | PVM4 | 76        | T     | HI/HJ  | 202    |
| <b>VV</b>     |          | VV     |           |        |         | PLC      |         | QS-W       |        | VDV1 |           |       | HB     |        |
| <b>WS</b>     |          | WS     |           |        |         | PTC      |         | QS-VWS     |        | VWV1 |           |       | HH     |        |
| <b>CW</b>     | QHPA     | CVV    | VD        | 8200   | R120    | HS       |         | QS HS      | SG     | PVV3 |           | CVW   | HS     | 205    |
| <b>ST</b>     | ST       |        |           |        |         | HFB      | ST      |            |        | ST   |           | E     |        |        |
| <b>TM</b>     | TH       |        | IRC       | 9000   | R130    | F        |         | QH-F       |        | PTV1 |           | TR    |        | 125    |
| <b>VEP</b>    | FET      | FHV    | VEP       |        |         | HFT      | FD96    | QFF-HFT    | FS     | PST4 |           | VEP   | FT     | 231    |
| <b>TF</b>     |          | UHP150 |           |        |         | KM       |         |            |        | PCJ6 |           |       | HC/HD  |        |
| <b>PD</b>     | PD       | DF     |           | DQC    |         | DTP      | FD90    |            | D      | PLD3 |           | PD    |        | 136    |
| <b>S10</b>    | 5676     | VF     | IFR       |        |         | TB       |         |            | VB     | PFT  |           |       | BP     | 120    |
| <b>S600</b>   |          |        |           |        |         | SP       | W6000   |            | SH     | PVG1 |           |       |        | 203    |

Whilst we endeavour to publish correct information, errors and omissions may occur. Please check with Hydraulic Connect

## Poppet Couplers ISO A



### S1 Series ISO 7241-A

Material Steel, Poppet Valve, Nitrile Seals



| Body Size |     |      | Thread |         |            |  |                      |  |
|-----------|-----|------|--------|---------|------------|--|----------------------|--|
| Inch      | Din | Dash | Type   | Size    | Female     |  | Male                 |  |
| 1/4       | 6   | -4   | BSP    | 1/4     | S1F-04G    |  | S1M-04G              |  |
| 3/8       | 10  | -6   | BSP    | 3/8     | S1F-06G    |  | S1M-06G              |  |
| 1/2       | 12  | -8   | BSP    | 3/8     | S1F-0806G  |  | S1M-0806G            |  |
| 1/2       | 12  | -8   | BSP    | 1/2     | S1F-08G    |  | S1M-08G              |  |
| 1/2       | 12  | -8   | NPT    | 1/2     | S1F-08N    |  | S1M-08N              |  |
| 1/2       | 12  | -8   | UNO    | 3/4     | S1F-12U    |  | S1M-12U              |  |
| 1/2       | 12  | -8   | UNO    | 7/8     | S1F-14U    |  | S1M-14U              |  |
| 1/2       | 12  | -8   | METRIC | M18*1.5 | S1F-08FM18 |  | S1M-08FM18           |  |
| 1/2       | 12  | -8   | METRIC | M22*1.5 | S1F-08FM22 |  | S1M-08FM22           |  |
| 3/4       | 19  | -12  | BSP    | 3/4     | S1F-12G    |  | S1M-12G<br>(29.0 mm) |  |
| 1"        | 25  | -16  | BSP    | 1"      | S1F-16G    |  | S1M-16G              |  |
| 1 1/4     | 32  | -20  | BSP    | 1 1/4   | S1F-20G    |  | S1M-20G              |  |
| 1 1/2     | 38  | -24  | BSP    | 1 1/2   | S1F-24G    |  | S1M-24G              |  |
| 2"        | 50  | -32  | BSP    | 2"      | S1F-32G    |  | S1M-32G              |  |

### S1 Series ISO 7241-A "Connect Under Pressure"

Material Steel, Poppet Valve, Nitrile Seals



| Thread |     |      |      |      |          |  |          |  |
|--------|-----|------|------|------|----------|--|----------|--|
| Inch   | Din | Dash | Type | Size | Female   |  | Male     |  |
| 1/2    | 12  | -8   | BSP  | 1/2  | S1YF-08G |  | S1YM-08G |  |

### S1 Series ISO 7241-A - 316 Stainless Steel

Material 316 Stainless Steel, Poppet Valve, Viton Seals



| Thread |     |      |      |      |           |  |           |  |
|--------|-----|------|------|------|-----------|--|-----------|--|
| Inch   | Din | Dash | Type | Size | Female    |  | Male      |  |
| 1/4    | 6   | -4   | BSP  | 1/4  | S1F-04GSS |  | S1M-04GSS |  |
| 3/8    | 10  | -6   | BSP  | 3/8  | S1F-06GSS |  | S1M-06GSS |  |
| 1/2    | 12  | -8   | BSP  | 1/2  | S1F-08GSS |  | S1M-08GSS |  |
| 3/4    | 19  | -12  | BSP  | 3/4  | S1F-12GSS |  | S1M-12GSS |  |
| 1"     | 25  | -16  | BSP  | 1"   | S1F-16GSS |  | S1M-16GSS |  |



## Poppet Couplers ISO B



### S2 Series ISO 7241-B Interchange Steel BSP Threads

Material Steel, Poppet Valves, Nitrile Seals



|      |     |      | Thread |      |         |  |         |  |
|------|-----|------|--------|------|---------|--|---------|--|
| Inch | Din | Dash | Type   | Size | Female  |  | Male    |  |
| 1/8  | 4   | -2   | BSP    | 1/8  | S2F-02G |  | S2M-02G |  |
| 1/4  | 6   | -4   | BSP    | 1/4  | S2F-04G |  | S2M-04G |  |
| 3/8  | 10  | -6   | BSP    | 3/8  | S2F-06G |  | S2M-06G |  |
| 1/2  | 12  | -8   | BSP    | 1/2  | S2F-08G |  | S2M-08G |  |
| 3/4  | 19  | -12  | BSP    | 3/4  | S2F-12G |  | S2M-12G |  |
| 1"   | 25  | -16  | BSP    | 1"   | S2F-16G |  | S2M-16G |  |

### S2 Series ISO 7241-B Interchange Steel NPT Threads

Material Steel, Poppet Valves, Nitrile Seals



| Body Size |     |      | Thread |      |         |  |         |  |
|-----------|-----|------|--------|------|---------|--|---------|--|
| Inch      | Din | Dash | Type   | Size | Female  |  | Male    |  |
| 1/8       | 4   | -2   | NPT    | 1/8  | S2F-02N |  | S2M-02N |  |
| 1/4       | 6   | -4   | NPT    | 1/4  | S2F-04N |  | S2M-04N |  |
| 3/8       | 10  | -6   | NPT    | 3/8  | S2F-06N |  | S2M-06N |  |
| 1/2       | 12  | -8   | NPT    | 1/2  | S2F-08N |  | S2M-08N |  |
| 3/4       | 19  | -12  | NPT    | 3/4  | S2F-12N |  | S2M-12N |  |
| 1"        | 25  | -16  | NPT    | 1"   | S2F-16N |  | S2M-16N |  |

### S2 Series ISO 7241-B Interchange Steel UNO Threads

Material Steel, Poppet Valves, Nitrile Seals



| Body Size |     |      | Thread |      |           |  |           |  |
|-----------|-----|------|--------|------|-----------|--|-----------|--|
| Inch      | Din | Dash | Type   | Size | Female    |  | Male      |  |
| 1/4       | 6   | -4   | UNO    | 9/16 | S2F-0409U |  | S2M-0409U |  |
| 3/8       | 10  | -6   | UNO    | 9/16 | S2F-0609U |  | S2M-0609U |  |



## ISO B Couplers



### S2 Series ISO 7241-B Interchange Brass BSP Threads

Material Brass, Poppet Valves, Nitrile Seals



| Body Size |     |      | Thread |      |          |  |          |  |
|-----------|-----|------|--------|------|----------|--|----------|--|
| Inch      | Din | Dash | Type   | Size | Female   |  | Male     |  |
| 1/8       | 4   | -2   | BSP    | 1/8  | S2F-02GB |  | S2M-02GB |  |
| 1/4       | 6   | -4   | BSP    | 1/4  | S2F-04GB |  | S2M-04GB |  |
| 3/8       | 10  | -6   | BSP    | 3/8  | S2F-06GB |  | S2M-06GB |  |
| 1/2       | 12  | -8   | BSP    | 1/2  | S2F-08GB |  | S2M-08GB |  |
| 3/4       | 19  | -12  | BSP    | 3/4  | S2F-12GB |  | S2M-12GB |  |
| 1"        | 25  | -16  | BSP    | 1"   | S2F-16GB |  | S2M-16GB |  |

### S2 Series ISO 7241-B Interchange Brass NPT Threads

Material Brass, Poppet Valves, Nitrile Seals



| Body Size |     |      | Thread |      |          |  |          |  |
|-----------|-----|------|--------|------|----------|--|----------|--|
| Inch      | Din | Dash | Type   | Size | Female   |  | Male     |  |
| 1/8       | 4   | -2   | NPT    | 1/8  | S2F-02NB |  | S2M-02NB |  |
| 1/4       | 6   | -4   | NPT    | 1/4  | S2F-04NB |  | S2M-04NB |  |
| 3/8       | 10  | -6   | NPT    | 3/8  | S2F-06NB |  | S2M-06NB |  |
| 1/2       | 12  | -8   | NPT    | 1/2  | S2F-08NB |  | S2M-08NB |  |
| 3/4       | 19  | -12  | NPT    | 3/4  | S2F-12NB |  | S2M-12NB |  |
| 1"        | 25  | -16  | NPT    | 1"   | S2F-16NB |  | S2M-16NB |  |

### S2 Series ISO 7241-B Interchange 304 Stainless Steel BSP Threads

Material 304 Stainless Steel, Poppet Valves, Viton Seals



| Body Size |     |      | Thread |      |          |  |          |  |
|-----------|-----|------|--------|------|----------|--|----------|--|
| Inch      | Din | Dash | Type   | Size | Female   |  | Male     |  |
| 1/8       | 4   | -2   | BSP    | 1/8  | S2F-02GS |  | S2M-02GS |  |
| 1/4       | 6   | -4   | BSP    | 1/4  | S2F-04GS |  | S2M-04GS |  |
| 3/8       | 10  | -6   | BSP    | 3/8  | S2F-06GS |  | S2M-06GS |  |
| 1/2       | 12  | -8   | BSP    | 1/2  | S2F-08GS |  | S2M-08GS |  |
| 3/4       | 19  | -12  | BSP    | 3/4  | S2F-12GS |  | S2M-12GS |  |
| 1"        | 25  | -16  | BSP    | 1"   | S2F-16GS |  | S2M-16GS |  |

## ISO B Couplers



### S2 Series ISO 7241-B Interchange 316 Stainless Steel BSP Threads

Material 316 Stainless Steel, Poppet Valves, Viton Seals



| Body Size |     |      | Thread |      |           |  |           |  |
|-----------|-----|------|--------|------|-----------|--|-----------|--|
| Inch      | Din | Dash | Type   | Size | Female    |  | Male      |  |
| 1/8       | 4   | -2   | BSP    | 1/8  | S2F-02GSS |  | S2M-02GSS |  |
| 1/4       | 6   | -4   | BSP    | 1/4  | S2F-04GSS |  | S2M-04GSS |  |
| 3/8       | 10  | -6   | BSP    | 3/8  | S2F-06GSS |  | S2M-06GSS |  |
| 1/2       | 12  | -8   | BSP    | 1/2  | S2F-08GSS |  | S2M-08GSS |  |
| 3/4       | 19  | -12  | BSP    | 3/4  | S2F-12GSS |  | S2M-12GSS |  |
| 1"        | 25  | -16  | BSP    | 1"   | S2F-16GSS |  | S2M-16GSS |  |

### S2 Series ISO 7241-B Interchange 316 Stainless Steel NPT Threads

Material 316 Stainless Steel, Poppet Valves, Viton Seals



| Body Size |     |      | Thread |      |           |  |           |  |
|-----------|-----|------|--------|------|-----------|--|-----------|--|
| Inch      | Din | Dash | Type   | Size | Female    |  | Male      |  |
| 1/8       | 4   | -2   | NPT    | 1/8  | S2F-02NSS |  | S2M-02NSS |  |
| 1/4       | 6   | -4   | NPT    | 1/4  | S2F-04NSS |  | S2M-04NSS |  |
| 3/8       | 10  | -6   | NPT    | 3/8  | S2F-06NSS |  | S2M-06NSS |  |
| 1/2       | 12  | -8   | NPT    | 1/2  | S2F-08NSS |  | S2M-08NSS |  |
| 3/4       | 19  | -12  | NPT    | 3/4  | S2F-12NSS |  | S2M-12NSS |  |
| 1"        | 25  | -16  | NPT    | 1"   | S2F-16NSS |  | S2M-16NSS |  |



## Agricultural Series

### PK Series ISO 5675 Agricultural Interchange BSP, NPT & UNO Threads

Material Steel, Poppet Valve, Nitrile Seals



| Body Size |     |      | Thread |      |           |  |                     |  |
|-----------|-----|------|--------|------|-----------|--|---------------------|--|
| Inch      | Din | Dash | Type   | Size | Female    |  | Male                |  |
| 1/4       | 6   | -4   | BSP    | 1/4  | PKF-04G   |  | PKM-04G             |  |
| 1/4       | 6   | -4   | NPT    | 1/4  | PKF-04N   |  | PKM-04N             |  |
| 1/4       | 6   | -4   | UNO    | 9/16 | PKF-0409U |  | PKM-0409U           |  |
| 3/8       | 10  | -6   | BSP    | 3/8  | PKF-06G   |  | PKM-06G             |  |
| 3/8       | 10  | -6   | NPT    | 3/8  | PKF-06N   |  | PKM-06N             |  |
| 3/8       | 10  | -6   | UNO    | 9/16 | PKF-0609U |  | PKM-0609U           |  |
| 1/2       | 12  | -8   | BSP    | 1/2  | S1F-08G   |  | S1M-08G             |  |
| 3/4       | 19  | -12  | BSP    | 3/4  | PKF-12G   |  | PKM-12G<br>(26.9mm) |  |
| 3/4       | 19  | -12  | NPT    | 3/4  | PKF-12N   |  | PKM-12N<br>(26.9mm) |  |
| 1"        | 25  | -16  | BSP    | 1"   | PKF-16G   |  | PKM-16G             |  |

### NV Series ISO 5675 Agricultural (Faster Interchange 3/4 Only) 28mm

Material Steel, Poppet Valve, Nitrile Seals



| Body Size |     |      | Thread |      |         |  |                     |  |
|-----------|-----|------|--------|------|---------|--|---------------------|--|
| Inch      | Din | Dash | Type   | Size | Female  |  | Male                |  |
| 3/4       | 19  | -12  | BSP    | 3/4  | NVF-12G |  | NVM-12G<br>(28.0mm) |  |
| 3/4       | 19  | -12  | NPT    | 3/4  | NVF-12N |  | NVM-12N<br>(28.0mm) |  |

### KZ Series Chinese Style Coupler

Material Steel, Poppet Valve, Nitrile Seals



|      |     |      | Thread |      |         |  |         |  |
|------|-----|------|--------|------|---------|--|---------|--|
| Inch | Din | Dash | Type   | Size | Female  |  | Male    |  |
| 1/2  | 12  | -8   | BSP    | 1/2  | KZF-08G |  | KZM-08G |  |

## Agricultural Series



### S5 Series "Push Pull"

Material Steel, Poppet Valves, Nitrile Seals



| Body Size |     |      | Thread |         |            |  |            |  |
|-----------|-----|------|--------|---------|------------|--|------------|--|
| Inch      | Din | Dash | Type   | Size    | Female     |  | Male       |  |
| 1/2       | 12  | -8   | BSP    | 1/2     | S5F-08G    |  | S1M-08G    |  |
| 1/2       | 12  | -8   | NPT    | 1/2     | S5F-08N    |  | S1M-08N    |  |
| 1/2       | 12  | -8   | UNO    | 3/4     | S5F-12U    |  | S1M-12U    |  |
| 1/2       | 12  | -8   | UNO    | 7/8     | S5F-14U    |  | S1M-14U    |  |
| 1/2       | 12  | -8   | METRIC | M22*1.5 | S5F-08FM22 |  | S1M-08FM22 |  |

### S5 Series ISO 5675 "Push Pull" Bulkhead Connection

Material Steel, Poppet Valves, Nitrile Seals



| Body Size |     |      | Thread |         |               |  |             |  |
|-----------|-----|------|--------|---------|---------------|--|-------------|--|
| Inch      | Din | Dash | Type   | Size    | Female        |  | Male        |  |
| 1/2       | 12  | -8   | BSP    | 3/8     | S5F-06GBH     |  | S5M-06GBH   |  |
| 1/2       | 12  | -8   | BSP    | 1/2     | S5F-08GBH *   |  | S5M-08GBH   |  |
| 1/2       | 12  | -8   | ORFS   | 13/16   | S5F-0813OBH * |  | S5M-0813OBH |  |
| 1/2       | 12  | -8   | ORFS   | 1"      | S5F-0816OBH * |  | S5M-0816OBH |  |
| 1/2       | 12  | -8   | 10L    | M16*1.5 | S5F-10LBH     |  | S5M-10LBH   |  |
| 1/2       | 12  | -8   | 12L    | M18*1.5 | S5F-12LBH     |  | S5M-12LBH   |  |
| 1/2       | 12  | -8   | 15L    | M22*1.5 | S5F-15LBH     |  | S5M-15LBH   |  |
| 1/2       | 12  | -8   | 10S    | M18*1.5 | S5F-10SBH     |  | S5M-10SBH   |  |
| 1/2       | 12  | -8   | 12S    | M20*1.5 | S5F-12SBH     |  | S5M-12SBH   |  |
| 1/2       | 12  | -8   | 14S    | M22*1.5 | S5F-14SBH     |  | S5M-14SBH   |  |

\* Conversion adaptors used

### S5Y Series ISO 5675 "Push Pull" Connect Under Pressure

Material Steel, Poppet Valves, Nitrile Seals



| Body Size |     |      | Thread |      |          |  |          |  |
|-----------|-----|------|--------|------|----------|--|----------|--|
| Inch      | Din | Dash | Type   | Size | Female   |  | Male     |  |
| 1/2       | 12  | -8   | BSP    | 1/2  | S5YF-08G |  | S1YM-08G |  |

### S312 Series ISO 5675 "Push Pull" Connect Under Pressure Both Halves

Material Steel, Poppet Valves, Nitrile Seals

May be used with either an open centre or closed centre hydraulic system that has a control valve.



| Body Size |     |      | Thread |      |           |  |           |  |
|-----------|-----|------|--------|------|-----------|--|-----------|--|
| Inch      | Din | Dash | Type   | Size | Female    |  | Male      |  |
| 1/2       | 12  | -8   | UNO    | 7/8  | S312F-14U |  | S312M-14U |  |

## Long Push Pull Couplers



### 3CFPV & 3CFHF Series Connectable with Male Under Pressure

Material Steel, Poppet Valves, Nitrile Seals



| Body Size |     |      | Thread                |         |              |  |   |
|-----------|-----|------|-----------------------|---------|--------------|--|---|
| Inch      | Din | Dash | Type                  | Size    | Female       |  |   |
| 1/2       | 12  | -8   | METRIC MALE           | M22*1.5 | 3CFHF-22M    |  |   |
| 1/2       | 12  | -8   | BSP MALE              | 3/8     | 3CFPV-06GM   |  |   |
| 1/2       | 12  | -8   | BSP FEMALE            | 1/2     | 3CFPV-08GF   |  |   |
| 1/2       | 12  | -8   | NPT FEMALE            | 1/2     | 3CFPV-08NF   |  |   |
| 1/2       | 12  | -8   | METRIC BULKHEAD SHORT | M22*1.5 | 3CFPV-7/2215 |  |   |
| 1/2       | 12  | -8   | METRIC BH             | M18*1.5 | 3CFPV-12LBH  |  | * |
| 1/2       | 12  | -8   | METRIC BH             | M22*1.5 | 3CFPV-15LBH  |  | * |
| 1/2       | 12  | -8   | BSP BH                | 3/8     | 3CFPV-06GBH  |  | * |
| 1/2       | 12  | -8   | BSP BH                | 1/2     | 3CFPV-08GBH  |  | * |
| 1/2       | 12  | -8   | ORFS MALE BULKHEAD    | 13/16   | 3CFPV-13OBH  |  | * |
| 1/2       | 12  | -8   | ORFS MALE BULKHEAD    | 1"      | 3CFPV-16OBH  |  | * |

\* Conversion adaptors used

### 4SRPV (4SRHF) Series Connectable with Male & Female Under Pressure

Material Steel, Poppet Valves, Nitrile Seals



| Body Size |     |      | Thread      |         |  |        |
|-----------|-----|------|-------------|---------|--------------------------------------------------------------------------------------|--------|
| Inch      | Din | Dash | Type        | Size    |                                                                                      | Female |
| 1/2       | 12  | -8   | METRIC MALE | M22*1.5 | 4SRPV-22M                                                                            |        |

## Poppet Couplers



### 5DCPV Cartridge " Fits 5BM5DCPV Housing"

Material Steel, Poppet Valves, Nitrile Seals



| Body Size |     |      | Thread |  | Size | Female   |  |
|-----------|-----|------|--------|--|------|----------|--|
| Inch      | Din | Dash | Type   |  |      |          |  |
| 1/2       | 12  | -8   | BSP    |  | 1/2  | 5DCPV-08 |  |



### Selective control valve break-away coupler

Interchanges with the following:

|              |                                                |
|--------------|------------------------------------------------|
| Faster:      | 5DCPVA08-A                                     |
| John Deere : | RE 256693 & RE 577560<br>RE 203206 & RE 226728 |
| Parker:      | 0510-007                                       |
| Vapormatic:  | VP0510007                                      |

## Hydraulic Brake Couplers

### S10 Series Trailer Brake Couplers ISO 5676 Interchange

Material Steel, Flat Face Valve, Nitrile Seals



| Body Size |     |      | Thread |  | Size    | Female     |  | Male        |  |
|-----------|-----|------|--------|--|---------|------------|--|-------------|--|
| Inch      | Din | Dash | Type   |  |         |            |  |             |  |
| 1/2       | 12  | -8   | BSP    |  | 1/2     | S10F-08G   |  | S10M-08G    |  |
| 1/2       | 12  | -8   | BSP    |  | 3/8     | S10F-0806G |  |             |  |
| 1/2       | 12  | -8   | METRIC |  | M18*1.5 | S10F-08M18 |  | S10M-08M18  |  |
| 1/2       | 12  | -8   | METRIC |  | M18*1.5 |            |  | S10M-08M18B |  |
| 1/2       | 12  | -8   | METRIC |  | M20*1.5 |            |  | S10M-08M20  |  |
| 1/2       | 12  | -8   | METRIC |  | M22*1.5 |            |  | S10M-08M22  |  |

## Agricultural Couplers Ball Type



### S4 Series ISO 5675 Agricultural Interchange " Ball Type"

Material Steel, Ball Valves, Nitrile Seals



| Body Size |     |      | Thread |      |         |  |                     |  |
|-----------|-----|------|--------|------|---------|--|---------------------|--|
| Inch      | Din | Dash | Type   | Size | Female  |  | Male                |  |
| 1/4       | 6   | -4   | BSP    | 1/4  | S4F-04G |  | S4M-04G             |  |
| 3/8       | 10  | -6   | BSP    | 3/8  | S4F-06G |  | S4M-06G             |  |
| 1/2       | 12  | -8   | BSP    | 1/2  | S4F-08G |  | S4M-08G             |  |
| 3/4       | 19  | -12  | BSP    | 3/4  | S4F-12G |  | S4M-12G<br>(26.9mm) |  |
| 1"        | 25  | -16  | BSP    | 1"   | S4F-16G |  | S4M-16G             |  |

### NS Series ISO 5675 Agricultural Faster Interchange " Ball Type" 28mm

Material Steel, Ball Valves, Nitrile Seals



| Body Size |     |      | Thread |      |         |  |                     |  |
|-----------|-----|------|--------|------|---------|--|---------------------|--|
| Inch      | Din | Dash | Type   | Size | Female  |  | Male                |  |
| 3/4       | 19  | -12  | BSP    | 3/4  | NSF-12G |  | NSM-12G<br>(28.0mm) |  |

### S5 Series ISO 5675 "Push Pull" Ball Type

Material Steel, Ball Valves, Nitrile Seals



| Body Size |     |      | Thread |      |          |  |         |  |
|-----------|-----|------|--------|------|----------|--|---------|--|
| Inch      | Din | Dash | Type   | Size | Female   |  | Male    |  |
| 1/2       | 12  | -8   | BSP    | 1/2  | S5BF-08G |  | S4M-08G |  |
| 1/2       | 12  | -8   | NPT    | 1/2  | S5BF-08N |  | S4M-08N |  |
| 1/2       | 12  | -8   | UNO    | 3/4  | S5BF-12U |  | S4M-12U |  |

## Transport High Flow Couplers

### PBR Series High Flow for Transport Push Pull Sleeve & Single Acting Sleeve

Material Steel, Poppet Valves, Nitrile Seals, Push Pull Sleeve



| Body Size |     |      | Thread |      |           |  |          |  |
|-----------|-----|------|--------|------|-----------|--|----------|--|
| Inch      | Din | Dash | Type   | Size | Female    |  | Male     |  |
| 1"        | 25  | -16  | BSP    | 1"   | PBRF-16GP |  | PBRM-16G |  |
| 1"        | 25  | -16  | BSP    | 1"   | IRNF-16G  |  | PBRM-16G |  |



## Flat Face Couplers



### FF Series ISO 16028 Flat Face Couplers BSP Threads

Material Steel, Flat Face Valves, Nitrile Seals



| Body Size |     |      | Thread |       |           |  |                        |  |
|-----------|-----|------|--------|-------|-----------|--|------------------------|--|
| Inch      | Din | Dash | Type   | Size  | Female    |  | Male                   |  |
| 1/8       | 4   | -2   | BSP    | 1/8   | FFF-02G   |  | FFM-02G<br>(11.6mm)    |  |
| 1/4       | 6   | -4   | BSP    | 1/4   | FFF-04G   |  | FFM-04G<br>(16.10mm)   |  |
| 3/8       | 10  | -6   | BSP    | 3/8   | FFF-06G   |  | FFM-06G<br>(19.70mm)   |  |
| 3/8       | 10  | -6   | BSP    | 1/2   | FFF-0608G |  | FFM-0608G<br>(19.70mm) |  |
| 1/2       | 12  | -8   | BSP    | 1/2   | FFF-08G   |  | FFM-08G<br>(24.50mm)   |  |
| 1/2       | 12  | -8   | BSP    | 3/4   | FFF-0812G |  | FFM-0812G<br>(24.50mm) |  |
| 5/8       | 16  | -10  | BSP    | 3/4   | FFF-1012G |  | FFM-1012G<br>(27.00mm) |  |
| 3/4       | 19  | -12  | BSP    | 3/4   | FFF-12G   |  | FFM-12G<br>(30.00mm)   |  |
| 3/4       | 19  | -12  | BSP    | 1"    | FFF-1216G |  | FFM-1216G<br>(30.00mm) |  |
| 1"        | 25  | -16  | BSP    | 1"    | FFF-16G   |  | FFM-16G<br>(36.00mm)   |  |
| 1"        | 25  | -16  | BSP    | 1 1/4 | FFF-1620G |  | FFM-1620G<br>(36.00mm) |  |

### FF Series ISO 16028 Flat Face Couplers UNO Threads

Material Steel, Flat Face Valves, Nitrile Seals



| Body Size |     |      | Thread |        |           |  |                        |  |
|-----------|-----|------|--------|--------|-----------|--|------------------------|--|
| Inch      | Din | Dash | Type   | Size   | Female    |  | Male                   |  |
| 1/4       | 6   | -4   | UNO    | 9/16   | FFF-0409U |  | FFM-0409U<br>(16.10mm) |  |
| 3/8       | 10  | -6   | UNO    | 9/16   | FFF-0609U |  | FFM-0609U<br>(16.10mm) |  |
| 3/8       | 10  | -6   | UNO    | 3/4    | FFF-0612U |  | FFM-0612U<br>(19.70mm) |  |
| 1/2       | 12  | -8   | UNO    | 3/4    | FFF-0812U |  | FFM-0812U<br>(24.50mm) |  |
| 1/2       | 12  | -8   | UNO    | 7/8    | FFF-0814U |  | FFM-0814U<br>(24.50mm) |  |
| 1/2       | 12  | -8   | UNO    | 1 1/16 | FFF-0817U |  | FFM-0817U<br>(24.50mm) |  |
| 5/8       | 16  | -10  | UNO    | 1 1/16 | FFF-1017U |  | FFM-1017U<br>(27.00mm) |  |
| 3/4       | 19  | -12  | UNO    | 1 1/16 | FFF-1217U |  | FFM-1217U<br>(30.00mm) |  |

## Flat Face Couplers



### FF Series ISO 16028 Flat Face JIC Bulkhead

Material Steel, Flat Face Valves, Nitrile Seals



| Body Size |     |      | Thread |        |               |  |             |  |  |   |
|-----------|-----|------|--------|--------|---------------|--|-------------|--|--|---|
| Inch      | Din | Dash | Type   | Size   | Female        |  | Male        |  |  |   |
| 1/2       | 12  | -8   | JIC    | 3/4    | FFF-0812JBH * |  | FFM-0812JBH |  |  | * |
| 1/2       | 12  | -8   | JIC    | 7/8    | FFF-0814JBH * |  | FFM-0814JBH |  |  | * |
| 1/2       | 12  | -8   | JIC    | 1 1/16 | FFF-0817JBH * |  | FFM-0817JBH |  |  | * |

\* Conversion Adaptors Used

### FFY Series ISO 16028 Flat Face Connect under Pressure BSP Threads

Material Steel, Flat Face Valves, Nitrile Seals



| Body Size |     |      | Thread |      |                    |  |
|-----------|-----|------|--------|------|--------------------|--|
| Inch      | Din | Dash | Type   | Size | Male               |  |
| 3/8       | 10  | -6   | BSP    | 3/8  | FFYM-06G (19.70mm) |  |
| 1/2       | 12  | -8   | BSP    | 1/2  | FFYM-08G (24.50mm) |  |

### FF Series ISO 16028 Flat Face Compact 90°

Material Steel, Flat Face Valves, Nitrile Seals



| Body Size |     |      | Thread |        |             |  |             |  |  |  |
|-----------|-----|------|--------|--------|-------------|--|-------------|--|--|--|
| Inch      | Din | Dash | Type   | Size   | Female      |  | Male        |  |  |  |
| 1/2       | 12  | -8   | JICM   | 9/16   | FFF-0809-90 |  | FFM-0809-90 |  |  |  |
| 1/2       | 12  | -8   | JICM   | 1 1/16 | FFF-0817-90 |  | FFM-0817-90 |  |  |  |

### FF Series ISO 16028 Flat Face Couplers 316 Stainless Steel

Material 316 Stainless Steel, Flat Face Valves, Viton Seals



| Body Size |     |      | Thread |      |             |  |                       |  |  |  |
|-----------|-----|------|--------|------|-------------|--|-----------------------|--|--|--|
| Inch      | Din | Dash | Type   | Size | Female      |  | Male                  |  |  |  |
| 1/4       | 6   | -4   | BSP    | 1/4  | FFF-04GSS   |  | FFM-04GSS (16.10mm)   |  |  |  |
| 3/8       | 10  | -6   | BSP    | 3/8  | FFF-06GSS   |  | FFM-06GSS (19.70mm)   |  |  |  |
| 1/2       | 12  | -8   | BSP    | 1/2  | FFF-08GSS   |  | FFM-08GSS (24.50mm)   |  |  |  |
| 5/8       | 16  | -10  | BSP    | 3/4  | FFF-1012GSS |  | FFM-1012GSS (27.00mm) |  |  |  |
| 3/4       | 19  | -12  | BSP    | 3/4  | FFF-12GSS   |  | FFM-12GSS (30.00mm)   |  |  |  |

## Flat Face Couplers



### VEP Series Flat Face Screw Connect Under Pressure

Material Steel, Flat Face Valves, Nitrile Seals



| Body Size |     |      | Thread |       |          |  |          |  |
|-----------|-----|------|--------|-------|----------|--|----------|--|
| Inch      | Din | Dash | Type   | Size  | Female   |  | Male     |  |
| 1/2       | 12  | -8   | BSP    | 1/2   | VEPF-08G |  | VEPM-08G |  |
| 3/4       | 19  | -12  | BSP    | 3/4   | VEPF-12G |  | VEPM-12G |  |
| 1"        | 25  | -16  | BSP    | 1"    | VEPF-16G |  | VEPM-16G |  |
| 1 1/4     | 32  | -20  | BSP    | 1 1/4 | VEPF-20G |  | VEPM-20G |  |
| 1 1/2     | 38  | -24  | BSP    | 1 1/2 | VEPF-24G |  | VEPM-24G |  |

### FFH Series ISO 16028 Flat Face Cartridge "M48\*1.5"

Material Steel, Flat face Valves, Nitrile Seals



| Body Size |     |      | Thread |         |            |  |            |  |
|-----------|-----|------|--------|---------|------------|--|------------|--|
| Inch      | Din | Dash | Type   | Size    | Female     |  | Male       |  |
| 1/2       | 12  | -8   | METRIC | M48*1.5 | FFHF-08M48 |  | FFHM-08M48 |  |
| 3/4       | 19  | -12  | METRIC | M48*1.5 | FFHF-12M48 |  | FFHM-12M48 |  |

Replaces Bobcat 1/2 Female: 7246802, Male: 7246799

Replaces Kubota Female: V1311-77150 Male: V1311-77140

Replaces Case/New Holland Female: 47396761 Male: 47396760

The M48\*1.5 cartridge fit the Faster 4BD4FH housing

### FFH Series ISO 16028 Flat Face Cartridge "M46\*1.5"

Material Steel, Flat face Valves, Nitrile Seals



| Body Size |     |      | Thread |         |            |  |            |  |
|-----------|-----|------|--------|---------|------------|--|------------|--|
| Inch      | Din | Dash | Type   | Size    | Female     |  | Male       |  |
| 1/2       | 12  | -8   | METRIC | M46*1.5 | FFHF-08M46 |  | FFHM-08M46 |  |

Replaces Bobcat Female: 6680018, Male: 6679837

Replaces Kubota Female: V0511-77150, Male: V0511-77140

Replaces Case/New Holland Female: 84390118 Male: 84390117

The M46\*1.5 cartridge fit the Faster 4BD4FI housing

## Modular Valves

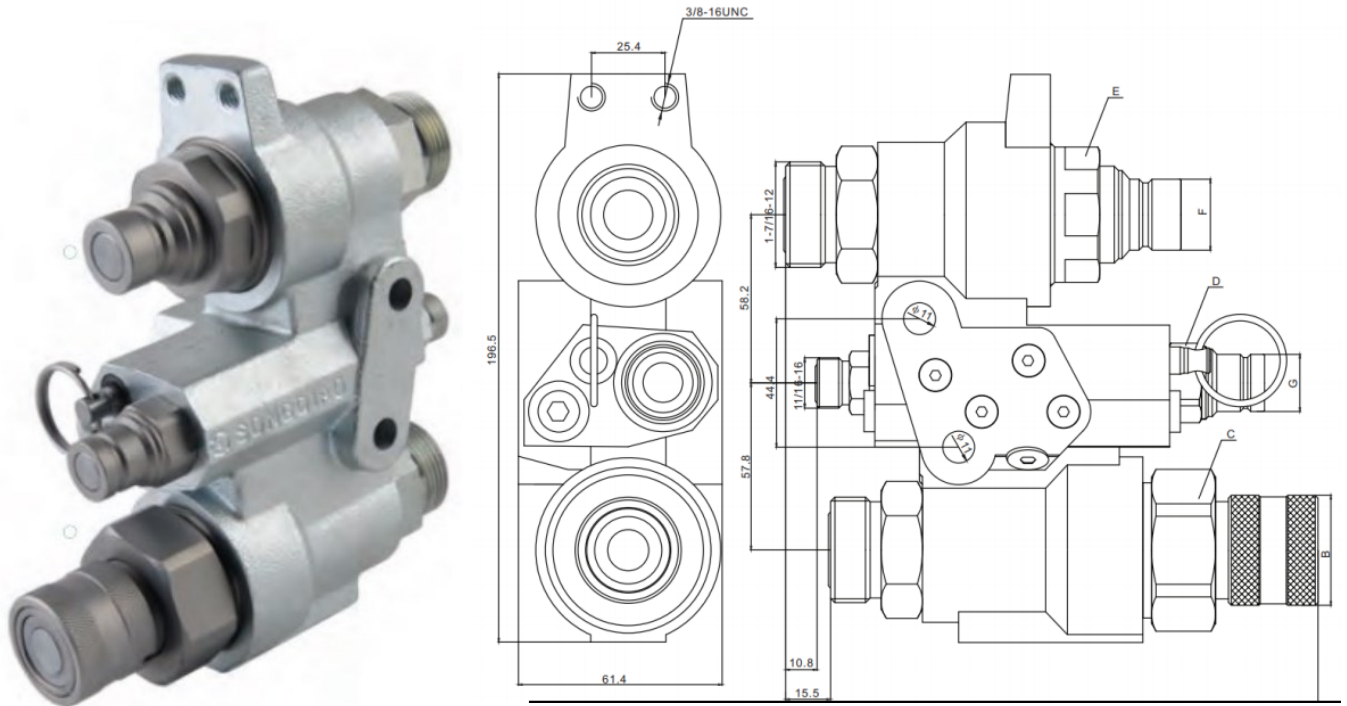


### HDB Modular Valve Series

Material: Steel Casting

Coupling Type: ISO 16028 Flat Face

Proprietary Design



| ISO  | Part # | A   | B      | C     | D     | E  | F     | G     |
|------|--------|-----|--------|-------|-------|----|-------|-------|
| 12.5 | HDB-08 | 184 | S44.45 | S50.8 | S25.4 | 38 | 24.54 | 19.75 |
| 19   | HDB-12 | 188 | S44.45 | S50.8 | S25.4 | 48 | 29.95 | 19.75 |

| Body Size |     |      | Coupler   |      | Male & Female |  |
|-----------|-----|------|-----------|------|---------------|--|
| Inch      | Din | Dash | Type      | Size |               |  |
| 1/2       | 12  | -8   | Flat Face | 1/2  | HDB-08        |  |
| 3/4       | 19  | -12  | Flat Face | 3/4  | HDB-12        |  |

## Modular Valves



### 4BD4FH Modular Valve Series "Faster Interchange"

Material: Steel Casting

Coupling Type: ISO 16028 Flat Face

Faster 4BD4FH Interchange



The housing can be purchased with or without the couplers

### M48\*1.5 Cartridge

|                  | Type      | Size | Female                  |  | Male        |  |
|------------------|-----------|------|-------------------------|--|-------------|--|
| <b>M48 * 1.5</b> | Flat Face | 1/2  | FFHF-08M48              |  | FFHM-08M48  |  |
|                  | Flat Face | 3/4  | FFHF-12M48              |  | FFHM-12M48  |  |
|                  | Flat Face | 3/8  | Drain Line Coupler Male |  | 4BD4FH3/8FF |  |

|                                    |           |  |
|------------------------------------|-----------|--|
| Bare Housing, no couplers          | 4BD4FH-BH |  |
| Housing Complete with 1/2 couplers | 4BD4FH-08 |  |
| Housing Complete with 3/4 Couplers | 4BD4FH-12 |  |

## Screw Connect Couplers



### S300 Series Screw Connect Jacking Coupler 700 Bar Ball Type

Material Steel, Ball Type Valves, Nitrile Seals



| Body Size |     |      | Thread |      |            |  |            |  |
|-----------|-----|------|--------|------|------------|--|------------|--|
| Inch      | Din | Dash | Type   | Size | Female     |  | Male       |  |
| 1/4       | 6   | -4   | NPT    | 1/4  | S300F-04NB |  | S300M-04NB |  |
| 3/8       | 10  | -6   | NPT    | 3/8  | S300F-06NB |  | S300M-06NB |  |

### S300 Series Screw Connect Jacking Coupler 700 Bar Poppet Type

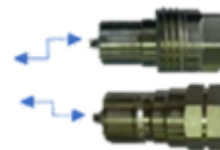
Material Steel, Poppet Valves, Nitrile Seals



| Body Size |     |      | Thread |      |            |  |               |  |
|-----------|-----|------|--------|------|------------|--|---------------|--|
| Inch      | Din | Dash | Type   | Size | Female     |  | Male          |  |
| 3/8       | 10  | -6   | NPT    | 3/8  | S300F-06N  |  | S300M-06N     |  |
| 3/8       | 10  | -6   | NPT    | 3/8  | S300F-06NF |  | Female Thread |  |

### VV Series Screw Connect Accepts ISO 5675 Nipples

Material Steel, Poppet Valves, Nitrile Seals



VVM

PK

| Body Size |     |      | Thread |      |         |  |         |  |
|-----------|-----|------|--------|------|---------|--|---------|--|
| Inch      | Din | Dash | Type   | Size | Female  |  | Male    |  |
| 1/4       | 6   | -4   | BSP    | 1/4  | VVF-04G |  | VVM-04G |  |
| 3/8       | 10  | -6   | BSP    | 3/8  | VVF-06G |  | VVM-06G |  |
| 1/2       | 12  | -8   | BSP    | 1/2  | VVF-08G |  | VVM-08G |  |
| 3/4       | 19  | -12  | BSP    | 3/4  | VVF-12G |  | VVM-12G |  |
| 1"        | 25  | -16  | BSP    | 1"   | VVF-16G |  | VVM-16G |  |

### S75 Series Screw Connect Heavy Duty NPT Thread

Material Steel, Poppet Valves, Nitrile Seals, Screw Connect  
ACME Connection Thread



| Body Size |     |      | Thread |       |          |  |          |  |
|-----------|-----|------|--------|-------|----------|--|----------|--|
| Inch      | Din | Dash | Type   | Size  | Female   |  | Male     |  |
| 1"        | 25  | -16  | NPT    | 1"    | S75F-16N |  | S75M-16N |  |
| 1 1/4     | 32  | -20  | NPT    | 1 1/4 | S75F-20N |  | S75M-20N |  |
| 1 1/2     | 38  | -24  | NPT    | 1 1/2 | S75F-24N |  | S75M-24N |  |



## Screw Connect Couplers



### VVS Series Screw Connect Faster Interchange

Material Steel, Poppet Valves, Nitrile Seals



| Body Size |     |      | Thread |       |          |  |          |  |
|-----------|-----|------|--------|-------|----------|--|----------|--|
| Inch      | Din | Dash | Type   | Size  | Female   |  | Male     |  |
| 1/4       | 6   | -4   | BSP    | 1/4   | VVSF-04G |  | VVSM-04G |  |
| 3/8       | 10  | -6   | BSP    | 3/8   | VVSF-06G |  | VVSM-06G |  |
| 1/2       | 12  | -8   | BSP    | 1/2   | VVSF-08G |  | VVSM-08G |  |
| 3/4       | 19  | -12  | BSP    | 3/4   | VVSF-12G |  | VVSM-12G |  |
| 1"        | 25  | -16  | BSP    | 1"    | VVSF-16G |  | VVSM-16G |  |
| 1 1/4     | 32  | -20  | BSP    | 1 1/4 | VVSF-20G |  | VVSM-20G |  |
| 1 1/2     | 38  | -24  | BSP    | 1 1/2 | VVSF-24G |  | VVSM-24G |  |
| 2"        | 50  | -32  | BSP    | 2"    | VVSF-32G |  | VVSM-32G |  |

### CVV Series Screw Connect Interchange According to ISO 14541 (1/4 to 3/4)

Material Steel, Poppet Valves, Nitrile Seals



| Body Size |     |      | Thread |       |          |  |          |  |
|-----------|-----|------|--------|-------|----------|--|----------|--|
| Inch      | Din | Dash | Type   | Size  | Female   |  | Male     |  |
| 1/4       | 6   | -4   | BSP    | 1/4   | CVVF-04G |  | CVVM-04G |  |
| 3/8       | 10  | -6   | BSP    | 3/8   | CVVF-06G |  | CVVM-06G |  |
| 1/2       | 12  | -8   | BSP    | 1/2   | CVVF-08G |  | CVVM-08G |  |
| 3/4       | 19  | -12  | BSP    | 3/4   | CVVF-12G |  | CVVM-12G |  |
| 1"        | 25  | -16  | BSP    | 1"    | CVVF-16G |  | CVVM-16G |  |
| 1 1/2     | 38  | -24  | BSP    | 1 1/4 | CVVF-20G |  | CVVM-20G |  |
| 1 1/2     | 38  | -24  | BSP    | 1 1/2 | CVVF-24G |  | CVVM-24G |  |

### CVV Series Screw Connect Interchange According to ISO 14541 (3/4)

Material Steel, Poppet Valves, Nitrile Seals, Heavy Duty Hex Nut



| Body Size |     |      | Thread |      |            |  |             |  |
|-----------|-----|------|--------|------|------------|--|-------------|--|
| Inch      | Din | Dash | Type   | Size | Female     |  | Male        |  |
| 3/4       | 19  | -12  | BSP    | 3/4  | CVVF-12G   |  | CVVM-12GH   |  |
| 1"        | 25  | -16  | BSP    | 3/4  | CVVF-1612G |  | CVVM-1612GH |  |
| 1"        | 25  | -16  | BSP    | 1"   | CVVF-16G   |  | CVVM-16GH   |  |



## Screw Connect Couplers



### CVV Series Screw Connect Interchange According to ISO 14541 (1/2 to 3/4)

Material Steel, Poppet Valves, Nitrile Seals, Metric Heavy Male Threads



| Body Size |     |      | Thread |         |            |  |            |  |
|-----------|-----|------|--------|---------|------------|--|------------|--|
| Inch      | Din | Dash | Pipe   | Size    | Female     |  | Male       |  |
| 1/2       | 12  | -8   | 10S    | M18*1.5 | CVVF-0810S |  | CVVM-0810S |  |
| 1/2       | 12  | -8   | 12S    | M20*1.5 | CVVF-0812S |  | CVVM-0812S |  |
| 3/4       | 19  | -12  | 16S    | M24*1.5 | CVVF-1216S |  | CVVM-1216S |  |
| 3/4       | 19  | -12  | 20S    | M30*2   | CVVF-1220S |  | CVVM-1220S |  |
| 1"        | 25  | -16  | 25S    | M36*2   | CVVF-1625S |  | CVVM-1625S |  |
| 1"        | 25  | -16  | 30S    | M42*2   | CVVF-1630S |  | CVVM-1630S |  |

### S600 Series Screw Connect "Gromelle W6000 Interchange"

Material Steel, Poppet Valves, Nitrile Seals



| Body Size |     |      | Thread |       |           |  |           |  |
|-----------|-----|------|--------|-------|-----------|--|-----------|--|
| Inch      | Din | Dash | Type   | Size  | Female    |  | Male      |  |
| 1/2       | 12  | -8   | BSP    | 1/2   | S600F-08G |  | S600M-08G |  |
| 3/4       | 19  | -12  | BSP    | 3/4   | S600F-12G |  | S600M-12G |  |
| 1'        | 25  | -16  | BSP    | 1'    | S600F-16G |  | S600M-16G |  |
| 1 1/4     | 32  | -20  | BSP    | 1 1/4 | S600F-20G |  | S600M-20G |  |
| 1 1/2     | 40  | -24  | BSP    | 1 1/2 | S600F-24G |  | S600M-24G |  |

## Pressure Wash Couplers



### ST Series Straight Through Brass NPT Female Threads

Material Brass, None Valved, Nitrile Seals



| Body Size |     |      | Thread |      |          |  |          |  |
|-----------|-----|------|--------|------|----------|--|----------|--|
| Inch      | Din | Dash | Type   | Size | Female   |  | Male     |  |
| 1/8       | 4   | -2   | NPT    | 1/8  | STFF-02N |  | STMF-02N |  |
| 1/4       | 6   | -4   | NPT    | 1/4  | STFF-04N |  | STMF-04N |  |
| 3/8       | 10  | -6   | NPT    | 3/8  | STFF-06N |  | STMF-06N |  |
| 1/2       | 12  | -8   | NPT    | 1/2  | STFF-08N |  | STMF-08N |  |

### ST Series Straight Through Brass NPT Male Threads

Material Brass, None Valved, Nitrile Seals



| Body Size |     |      | Thread |      |          |  |          |  |
|-----------|-----|------|--------|------|----------|--|----------|--|
| Inch      | Din | Dash | Type   | Size | Female   |  | Male     |  |
| 1/8       | 4   | -2   | NPT    | 1/8  | STFM-02N |  | STMM-02N |  |
| 1/4       | 6   | -4   | NPT    | 1/4  | STFM-04N |  | STMM-04N |  |
| 3/8       | 10  | -6   | NPT    | 3/8  | STFM-06N |  | STMM-06N |  |
| 1/2       | 12  | -8   | NPT    | 1/2  | STFM-08N |  | STMM-08N |  |

### ST Series Straight Through Brass BSP Female Threads & Steel Nipples

Material Brass, None Valved, Nitrile Seals



| Body Size |     |      | Thread |      | Brass    |  |          |  | Steel     |  |
|-----------|-----|------|--------|------|----------|--|----------|--|-----------|--|
| Inch      | Din | Dash | Type   | Size | Female   |  | Male     |  | Male      |  |
| 1/4       | 6   | -4   | BSP    | 1/4  | STFF-04G |  | STMF-04G |  | STMF-04SG |  |
| 3/8       | 10  | -6   | BSP    | 3/8  | STFF-06G |  | STMF-06G |  | STMF-06SG |  |
| 1/2       | 12  | -8   | BSP    | 1/2  | STFF-08G |  | STMF-08G |  | SYMF-08SG |  |
| 3/4       | 19  | -12  | BSP    | 3/4  | STFF-12G |  | STMF-12G |  |           |  |

## Pressure Wash Couplers



### ST Series Straight Through Brass BSPT Male Threads

Material Brass, None Valved, Nitril Seals



| Body Size |     |      | Thread |      |          |  |          |  |
|-----------|-----|------|--------|------|----------|--|----------|--|
| Inch      | Din | Dash | Type   | Size | Female   |  | Male     |  |
| 1/4       | 6   | -4   | BSPT   | 1/4  | STFM-04K |  | STMM-04K |  |
| 3/8       | 10  | -6   | BSPT   | 3/8  | STFM-06K |  | STMM-06K |  |
| 1/2       | 12  | -8   | BSPT   | 1/2  | STFM-08K |  | STMM-08K |  |

## Pressure Wash Couplers Stainless Steel

### ST Series Straight Through SS NPT Female Threads

Material Stainless Steel, None Valved, Viton Seals



| Body Size |     |      | Thread |      |            |  |            |  |
|-----------|-----|------|--------|------|------------|--|------------|--|
| Inch      | Din | Dash | Type   | Size | Female     |  | Male       |  |
| 1/4       | 6   | -4   | NPT    | 1/4  | STFF-04NSS |  | STMF-04NSS |  |
| 3/8       | 10  | -6   | NPT    | 3/8  | STFF-06NSS |  | STMF-06NSS |  |

### ST Series Straight Through SS BSP Female Threads

Material Stainless Steel, None Valved, Viton Seals



| Body Size |     |      | Thread |      |            |  |            |  |
|-----------|-----|------|--------|------|------------|--|------------|--|
| Inch      | Din | Dash | Type   | Size | Female     |  | Male       |  |
| 1/4       | 6   | -4   | BSP    | 1/4  | STFF-04GSS |  | STMF-04GSS |  |
| 3/8       | 10  | -6   | BSP    | 3/8  | STFF-06GSS |  | STMF-06GSS |  |
| 1/2       | 12  | -8   | BSP    | 1/2  | STFF-08GSS |  | STMF-08GSS |  |

### CR Series Straight Through Water Blaster Coupler "15,000 PSI WP"

Material 316 Stainless Steel, None Valved, Nitrile Seals



| Body Size |     |      | Thread |      |           |  |           |  |
|-----------|-----|------|--------|------|-----------|--|-----------|--|
| Inch      | Din | Dash | Type   | Size | Female    |  | Male      |  |
| 1/2       | 12  | -8   | NPT    | 1/2  | CRF-08NSS |  | CRM-08NSS |  |

## Tema Interchange



### TM Series "Tema Interchange"

Material Steel, Poppet Valves, Nitrile Seals



| Body Size |     |      | Thread |      |          |  |          |  |
|-----------|-----|------|--------|------|----------|--|----------|--|
| Inch      | Din | Dash | Type   | Size | Female   |  | Male     |  |
| 3/8       | 10  | -6   | BSP    | 3/8  | TMF-06GP |  | TMM-06GP |  |
| 1/2       | 12  | -8   | BSP    | 1/2  | TMF-08GP |  | TMM-08GP |  |
| 3/4       | 19  | -12  | BSP    | 3/4  | TMF-12G  |  | TMM-12G  |  |
| 1"        | 25  | -16  | BSP    | 1"   | TMF-16G  |  | TMM-16G  |  |

## Special Interchange

### TC Series "Parker TC Interchange" 10,000 PSI WP

Material Steel, Poppet Valves, Nitrile Seals, Locking Collar



| Body Size |     |      | Thread |      |         |  |         |  |
|-----------|-----|------|--------|------|---------|--|---------|--|
| Inch      | Din | Dash | Type   | Size | Female  |  | Male    |  |
| 3/8       | 10  | -6   | NPT    | 3/8  | TCF-06N |  | TCM-06N |  |

### TF Series Ultra High Pressure "1500 Bar, 21,730 PSI WP"

Material Steel, Flat Face Valves, Nitrile Seals



| Body Size |     |      | Thread |      |         |  |         |  |
|-----------|-----|------|--------|------|---------|--|---------|--|
| Inch      | Din | Dash | Type   | Size | Female  |  | Male    |  |
| 1/4       | 6   | -4   | BSP    | 1/4  | TFF-04G |  | TFM-04G |  |

### 1141 Series Interchanges with Parker 1141 "10,000 PSI WP"

Material 303 Stainless Steel Body, Brass Sleeve, Polyurethane Seals

Connect Under Pressure Up To 5000 PSI



| Body Size |     |      | Thread |      |           |  |           |  |
|-----------|-----|------|--------|------|-----------|--|-----------|--|
| Inch      | Din | Dash | Type   | Size | Female    |  | Male      |  |
| 1/4       | 6   | -4   | NPT    | 1/4  | 1141F-04N |  | 1141M-04N |  |

## Diagnostic Couplers



### PD Series Diagnostic Couplers " Cat, John Deer, Case"

Material Steel, Flat Face Valves, Nitrile Seals



| Body Size |     |      | Thread |         |          |  |          |  |
|-----------|-----|------|--------|---------|----------|--|----------|--|
| Inch      | Din | Dash | Type   | Size    | Female   |  | Male     |  |
| 1/4       | 6   | -4   | NPT    | 1/8     | PDF-02FN |  | PDM-02FN |  |
| 1/4       | 6   | -4   | NPT    | 1/4     | PDF-04FN |  | PDM-04FN |  |
| 1/4       | 6   | -4   | BSP    | 1/4     | PDF-04FG |  |          |  |
| 1/4       | 6   | -4   | NPT    | 1/4     |          |  | PDM-04MN |  |
| 1/4       | 6   | -4   | UNO    | 7/16    |          |  | PDM-07MU |  |
| 1/4       | 6   | -4   | UNO    | 9/16    |          |  | PDM-09MU |  |
| 1/4       | 6   | -4   | METRIC | M14*1.5 |          |  | PDM-M14M |  |

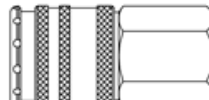
### PD Coupler with T20 Connection

| Body Size |     |      | Thread |       |         |  |  |
|-----------|-----|------|--------|-------|---------|--|--|
| Inch      | Din | Dash | Type   | Size  | Female  |  |  |
| 1/4       | 6   | -4   | T20    | M16*2 | PDF-T20 |  |  |



### KD Series Diagnostic Couplers " Komatsu, Hitachi"

Material Steel, Flat face Valves, Nitrile Seals



| Body Size |     |      | Thread |         |            |  |          |  |
|-----------|-----|------|--------|---------|------------|--|----------|--|
| Inch      | Din | Dash | Type   | Size    | Female     |  | Male     |  |
| 1/4       | 6   | -4   | BSP    | 1/4     | KDF-04FG   |  | KDM-04FG |  |
| 1/4       | 6   | -4   | BSP    | 1/8     |            |  | KDM-02MG |  |
| 1/4       | 6   | -4   | METRIC | M14*1.5 | KDF-M14-90 |  | KDM-M14M |  |

### KD Coupler with T20 Connection

| Body Size |     |      | Thread |       |         |  |  |
|-----------|-----|------|--------|-------|---------|--|--|
| Inch      | Din | Dash | Type   | Size  | Female  |  |  |
| 1/4       | 6   | -4   | T20    | M16*2 | KDF-T20 |  |  |



## Diagnostic Couplers



### Test 20 Series

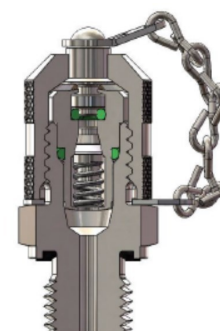
Material Steel, Poppet Valves, Nitrile Seals

Body Size

Thread

Test 20  
M16\*2

| Type   | Size     | Part #       |  |
|--------|----------|--------------|--|
| BSP    | 1/8      | T20-1/8GED   |  |
| BSP    | 1/4      | T20-1/4GED   |  |
| BSP    | 3/8      | T20-3/8GED   |  |
| BSPT   | 1/8      | T20-1/8K     |  |
| BSPT   | 1/4      | T20-1/4K     |  |
| NPT    | 1/4      | T20-1/4N     |  |
| UNO    | 7/16     | T20-7/16U    |  |
| UNO    | 9/16     | T20-9/16U    |  |
| METRIC | M10*1    | T20-M10*1    |  |
| METRIC | M10*1.25 | T20-M10*1.25 |  |
| METRIC | M12*1.5  | T20-M12*1.5  |  |
| METRIC | M14*1.5  | T20-M14*1.5  |  |
| METRIC | M16*1.5  | T20-M16*1.5  |  |



### Test 20 Series

Material 316 Stainless Steel, Poppet Valves, Viton Seals

Body Size

Thread

Size

Part #

|               |     |     |              |  |
|---------------|-----|-----|--------------|--|
| Test 20*M16*2 | BSP | 1/4 | T20-1/4GEDSS |  |
|---------------|-----|-----|--------------|--|



### Test Hoses 630 Bar-1/4 BSP Gauge X T20 M16\*2 Female

Threads

| Gauge   | T20   | Part #       | Length |
|---------|-------|--------------|--------|
| 1/4 BSP | M16*2 | THG1/4-T2015 | 1.5MTS |
| 1/4 BSP | M16*2 | THG1/4-T2020 | 2MTS   |
| 1/4 BSP | M16*2 | THG1/4-T2040 | 4MTS   |



### Test Hoses 630 Bar Test 20 M16\*2 X T20 M16\*2 Female

Threads

| T20   | T20   | Part #      | Length |
|-------|-------|-------------|--------|
| M16*2 | M16*2 | THT20-T2015 | 1.5MTS |
| M16*2 | M16*2 | THT20-T2020 | 2MTS   |
| M16*2 | M16*2 | THT20-T2040 | 4MTS   |



## Gauges



### 63mm Pressure Gauges Bottom & Rear Entry BSPP

#### Pressure Gauges 63mm Glycerine Filled (EN837.1)

| Pressure   |          |       |               |        |
|------------|----------|-------|---------------|--------|
| Connection | Bar      | PSI   | Bottom Entry  | Part # |
| 1/4 BSP    | -1 to +3 | 40    | G63B-G1/4B03  |        |
| 1/4 BSP    | 10       | 150   | G63B-G1/4B10  |        |
| 1/4 BSP    | 16       | 240   | G63B-G1/4B16  |        |
| 1/4 BSP    | 25       | 370   | G63B-G1/4B25  |        |
| 1/4 BSP    | 40       | 600   | G63B-G1/4B40  |        |
| 1/4 BSP    | 60       | 900   | G63B-G1/4B60  |        |
| 1/4 BSP    | 100      | 1500  | G63B-G1/4B100 |        |
| 1/4 BSP    | 250      | 3700  | G63B-G1/4B250 |        |
| 1/4 BSP    | 400      | 6000  | G63B-G1/4B400 |        |
| 1/4 BSP    | 600      | 8700  | G63B-G1/4B600 |        |
| 1/4 BSP    | 700      | 10000 | G63B-G1/4B700 |        |



#### Pressure Gauges 63mm Glycerine Filled (EN837.1)

| Pressure   |     |       |               |        |
|------------|-----|-------|---------------|--------|
| Connection | Bar | PSI   | Rear Entry    | Part # |
| 1/4 BSP    | 10  | 150   | G63R-G1/4B10  |        |
| 1/4 BSP    | 16  | 240   | G63R-G1/4B16  |        |
| 1/4 BSP    | 25  | 370   | G63R-G1/4B25  |        |
| 1/4 BSP    | 40  | 600   | G63R-G1/4B40  |        |
| 1/4 BSP    | 60  | 900   | G63R-G1/4B60  |        |
| 1/4 BSP    | 100 | 1500  | G63R-G1/4B100 |        |
| 1/4 BSP    | 250 | 3700  | G63R-G1/4B250 |        |
| 1/4 BSP    | 400 | 6000  | G63R-G1/4B400 |        |
| 1/4 BSP    | 600 | 8700  | G63R-G1/4B600 |        |
| 1/4 BSP    | 700 | 10000 | G63R-G1/4B700 |        |



#### Pressure Gauges 63mm Boot for Protection

| Size | Part #  |
|------|---------|
| 63mm | G63Boot |



#### Rear Entry Gauges 63mm Mounting Bracket

| Size | Part #   |
|------|----------|
| 63mm | G63R-BKT |





## Diagnostics



### 63mm Pressure Gauges Bottom Entry Tapered Thread BSPT

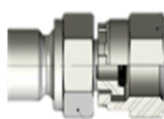
#### Pressure Gauges 63mm Glycerine Filled (EN837.1)

| Pressure   |     |      |               |        |
|------------|-----|------|---------------|--------|
| Connection | Bar | PSI  | Bottom Entry  | Part # |
| 1/4 BSPT   | 10  | 150  | G63B-K1/4B10  |        |
| 1/4 BSPT   | 16  | 240  | G63B-K1/4B16  |        |
| 1/4 BSPT   | 25  | 370  | G63B-K1/4B25  |        |
| 1/4 BSPT   | 40  | 600  | G63B-K1/4B40  |        |
| 1/4 BSPT   | 60  | 900  | G63B-K1/4B60  |        |
| 1/4 BSPT   | 100 | 1500 | G63B-K1/4B100 |        |
| 1/4 BSPT   | 250 | 3700 | G63B-K1/4B250 |        |
| 1/4 BSPT   | 400 | 6000 | G63B-K1/4B400 |        |



#### Pressure Gauge Adaptors

| Threads |          |             |  |          |
|---------|----------|-------------|--|----------|
| Gauge   | Adaptor  | Part #      |  |          |
| 1/4 BSP | M16*2    | GA1/4G-T20F |  | <b>1</b> |
| 1/4 BSP | 1/4 BSP  | SGA-04G     |  | <b>2</b> |
| 1/4 BSP | M16*2    | GA1/4G-T20M |  | <b>3</b> |
| 1/4 BSP | 1/4 BSPT | SGA-04K     |  | <b>4</b> |

**1****2****3****4**

#### Joiner M16\*2 Male X M16\*2 Male

| Threads |       | Part #  |  |
|---------|-------|---------|--|
| T20     | T20   |         |  |
| M16*2   | M16*2 | M16XM16 |  |



## Hydraulic Test Kits

**TK11-3-3****TK6-3-3****TKD11-2-2**

| Description                              | TK11-3-3 | TK6-3-3 | TKD11-2-2 |
|------------------------------------------|----------|---------|-----------|
| 63mm Gauges 250 Bar                      | 1        | 1       |           |
| 63mm Gauges 400 Bar                      | 1        | 1       |           |
| 63mm Gauges 600 Bar                      | 1        | 1       |           |
| Digital Gauge 100 Bar                    |          |         | 1         |
| Digital Gauge 600 Bar                    |          |         | 1         |
| Test Hose Assemblies 1.5Mts              | 3        | 3       | 2         |
| Test Coupling 1/8 BSPP                   | 1        |         | 1         |
| Test Coupling 1/4 BSPP                   | 1        | 1       | 1         |
| Test Coupling 1/4 BSPT                   |          | 1       |           |
| Test Coupling 3/8 BSPP                   | 1        |         | 1         |
| Test Coupling M10*1                      | 1        | 1       | 1         |
| Test Coupling M10*1.25                   | 1        |         | 1         |
| Test Coupling M14*1.5                    | 1        | 1       | 1         |
| Test Coupling 7/16 UNO                   | 1        | 1       | 1         |
| Test Coupling 9/16 UNO                   | 1        |         | 1         |
| Test Coupling 1/4 NPT                    | 1        | 1       | 1         |
| PD Style - Bobcat, Cat, John Deere, Case | 1        |         | 1         |
| KD Style - Komatsu, Hitachi              | 1        |         | 1         |

## Accumulator Charging, Filling and Pressure Test Kit

**ACX7-3-1****Description ACX7-3-1**

|                                        |   |
|----------------------------------------|---|
| Valve & Hose Assembly                  | 1 |
| 63mm Gauges, 100Bar, 250 Bar & 400 Bar | 3 |
| Adaptor UNF 7/8                        | 1 |
| Adaptor UNF 5/8                        | 1 |
| Adaptor UNF 5/16                       | 1 |
| Adaptor UNF 1/2                        | 1 |
| Adaptor G1/4                           | 1 |
| Adaptor M14*1.5                        | 1 |
| Adaptor M28*1.5 Attached to main valve | 1 |

## Pneumatic Couplers



### 200 Series Air Couplers Nitto Hi Cupla Interchange

Material Steel, Valve Female Only, Seals Nitrile

| Body Size |       | Thread |     | Valve    | Female |
|-----------|-------|--------|-----|----------|--------|
| Inch      | Type  | Size   |     |          |        |
| 1/4       | BSPTM | 1/4    | YES | 200-04SM |        |
| 1/4       | BSPTM | 3/8    | YES | 200-06SM |        |
| 1/4       | BSPTM | 1/2    | YES | 200-08SM |        |
|           |       |        |     |          |        |
| 1/4       | BSPF  | 1/4    | YES | 200-04SF |        |
| 1/4       | BSPF  | 3/8    | YES | 200-06SF |        |
| 1/4       | BSPF  | 1/2    | YES | 200-08SF |        |
|           |       |        |     |          |        |
| 1/4       | TAIL  | 7mm    | YES | 200-07SH |        |
| 1/4       | TAIL  | 9mm    | YES | 200-09SH |        |
| 1/4       | TAIL  | 11mm   | YES | 200-11SH |        |



| Body Size |       | Thread |    | Valve    | Male |
|-----------|-------|--------|----|----------|------|
| Inch      | Type  | Size   |    |          |      |
| 1/4       | BSPTM | 1/4    | NO | 201-04PM |      |
| 1/4       | BSPTM | 3/8    | NO | 201-06PM |      |
| 1/4       | BSPTM | 1/2    | NO | 201-08PM |      |
|           |       |        |    |          |      |
| 1/4       | BSPF  | 1/4    | NO | 201-04PF |      |
| 1/4       | BSPF  | 3/8    | NO | 201-06PF |      |
| 1/4       | BSPF  | 1/2    | NO | 201-08PF |      |
|           |       |        |    |          |      |
| 1/4       | TAIL  | 7mm    | NO | 201-07PH |      |
| 1/4       | TAIL  | 9mm    | NO | 201-09PH |      |
| 1/4       | TAIL  | 11mm   | NO | 201-11PH |      |



### 200 Series Air Couplers Nitto Hi Cupla Interchange SS

Material Stainless Steel, Valve Female Only, Seals Viton

| Body Size |      | Thread |     | Valve     | Female |
|-----------|------|--------|-----|-----------|--------|
| Inch      | Type | Size   |     |           |        |
| 1/4       | BSPP | 1/4    | YES | 200-04SFS |        |
| 1/4       | BSPP | 1/4    | NO  | 201-04PFS |        |



## Pneumatic Couplers



### 21KA Series Mini Air Coupler Rectus 21KA Interchange Material Brass Nickel Plated, Valve Female Only, Seals Nitrile

| Body Size |       | Thread |  | Valve | Female    |  |
|-----------|-------|--------|--|-------|-----------|--|
| Inch      | Type  | Size   |  |       |           |  |
| 1/8       | BSPF  | 1/8    |  | YES   | 21KA-02SF |  |
| 1/4       | BSPF  | 1/4    |  | YES   | 21KA-04SF |  |
|           |       |        |  |       |           |  |
| 1/8       | BSPTM | 1/8    |  | YES   | 21KA-02SM |  |
| 1/4       | BSPTM | 1/4    |  | YES   | 21KA-04SM |  |
|           |       |        |  |       |           |  |
| Inch      | Type  | Size   |  | Valve | Male      |  |
| 1/8       | BSPF  | 1/8    |  | NO    | 21KA-02PF |  |
| 1/4       | BSPF  | 1/4    |  | NO    | 21KA-04PF |  |
|           |       |        |  |       |           |  |
| 1/8       | BSPTM | 1/8    |  | NO    | 21KA-02PM |  |
| 1/4       | BSPTM | 1/4    |  | NO    | 21KA-04PM |  |



### 300 Series Air Couplers Aro 210, Parker 50 & Rectus 22KA Interchange Material Steel, Valve Female Only, Seals Nitrile

| Body Size |       | Thread |  | Valve | Female    |  |
|-----------|-------|--------|--|-------|-----------|--|
| Inch      | Type  | Size   |  |       |           |  |
| 1/4       | BSPTM | 1/4    |  | YES   | 300SM-04G |  |
| 1/4       | BSPTM | 3/8    |  | YES   | 300SM-06G |  |
|           |       |        |  |       |           |  |
| 1/4       | BSPF  | 1/4    |  | YES   | 300SF-04G |  |
| 1/4       | BSPF  | 3/8    |  | YES   | 300SF-06G |  |
|           |       |        |  |       |           |  |
| 1/4       | TAIL  | 7mm    |  | YES   | 300SH-07  |  |
| 1/4       | TAIL  | 9mm    |  | YES   | 300SH-09  |  |
| 1/4       | TAIL  | 11mm   |  | YES   | 300SH-11  |  |



## Pneumatic Couplers



### 300 Series Air Couplers Aro 210, Parker 50 & Rectus 22KA Interchange

| Body Size |       | Thread |      | Valve | Male      |  |
|-----------|-------|--------|------|-------|-----------|--|
| Inch      | Type  | Size   | Size |       |           |  |
| 1/4       | BSPTM | 1/4    | 1/4  | NO    | 300PM-04G |  |
| 1/4       | BSPTM | 3/8    | 3/8  | NO    | 300PM-06G |  |
| 1/4       | BSPF  | 1/4    | 1/4  | NO    | 300PF-04G |  |
| 1/4       | BSPF  | 3/8    | 3/8  | NO    | 300PF-06G |  |
| 1/4       | TAIL  | 7mm    | 7mm  | NO    | 300PH-07  |  |
| 1/4       | TAIL  | 9mm    | 9mm  | NO    | 300PH-09  |  |
| 1/4       | TAIL  | 11mm   | 11mm | NO    | 300PH-11  |  |



## Hydraulic Swivels

### SJ Series Swivels Straight & 90 Deg

Material Steel, Seals Nitrile

| Body Size | Thread |      | Part # Straight |  | Part # 90 Deg |  |
|-----------|--------|------|-----------------|--|---------------|--|
|           | Type   | Size |                 |  |               |  |
| 1/4       | BSPP   | 1/4  | SJ10-04         |  | SJ90-04       |  |
| 3/8       | BSPP   | 3/8  | SJ10-06         |  | SJ90-06       |  |
| 1/2       | BSPP   | 1/2  | SJ10-08         |  | SJ90-08       |  |
| 3/4       | BSPP   | 3/4  | SJ10-12         |  | SJ90-12       |  |
| 1"        | BSPP   | 1"   | SJ10-16         |  | SJ90-16       |  |



## Ball Valves



### 2 Way Ball Valves BSPP Threads & Mounting Holes

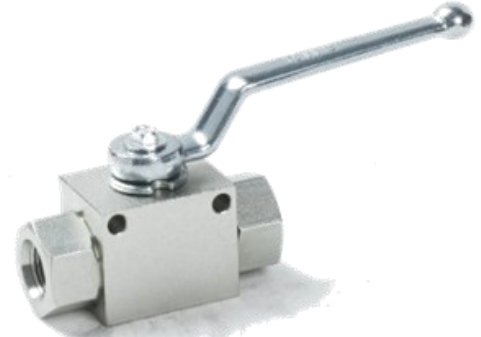
Material: Steel Trivalent Plated

Seal: Nitrile

Handle: Standard Zinc Alloy - Steel Options Available

Body: Square with Mounting Holes

| Body Size | Thread Type | Size  | Part #     |
|-----------|-------------|-------|------------|
| 1/4       | BSPP        | 1/4   | KHB-G1/4   |
| 3/8       | BSPP        | 3/8   | KHB-G3/8   |
| 1/2       | BSPP        | 1/2   | KHB-G1/2   |
| 1/2       | NPT         | 1/2   | KHB-N1/2   |
| 3/4       | BSPP        | 3/4   | KHB-G3/4   |
| 1"        | BSPP        | 1"    | KHB-G1     |
| 1 1/4     | BSPP        | 1 1/4 | KHB-G1-1/4 |
| 1 1/2     | BSPP        | 1 1/2 | KHB-G1-1/2 |
| 2"        | BSPP        | 2"    | KHB-G2     |



### 2 Way Ball Valves Metric Heavy Threads & Mounting Holes

Material: Steel Trivalent Plated

Seal: Nitrile

Handle: Standard Zinc Alloy - Steel Options Available

Body: Square with Mounting Holes

| Body Size | Thread Type | Size    | Part #   |
|-----------|-------------|---------|----------|
| 1/4       | DKS         | M16*1.5 | KHB-08SR |
| 1/4       | DKS         | M18*1.5 | KHB-10SR |
| 3/8       | DKS         | M20*1.5 | KHB-12SR |
| 3/8       | DKS         | M22*1.5 | KHB-14SR |
| 1/2       | DKS         | M24*1.5 | KHB-16SR |
| 1/2       | DKS         | M30.2   | KHB-20SR |
| 3/4       | DKS         | M36*2   | KHB-25SR |



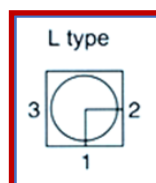
### 3 Way Ball Valves "L" Type BSPP Threads & Mounting Holes

Material: Steel Trivalent Plated

Seal: Nitrile

Handle: Standard Zinc Alloy - Steel Options Available

Body: Square with Mounting Holes



| Body Size | Thread Type | Size | Part #      |
|-----------|-------------|------|-------------|
| 1/4       | BSP         | 1/4  | KHB3K-G1/4L |
| 3/8       | BSP         | 3/8  | KHB3K-G3/8L |
| 1/2       | BSP         | 1/2  | KHB3K-G1/2L |
| 3/4       | BSP         | 3/4  | KHB3K-G3/4L |
| 1"        | BSP         | 1"   | KHB3K-G1L   |



## Ball Valves



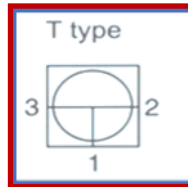
### 3 Way Ball Valves "T" Type BSPP Threads & Mounting Holes

Material: Steel Trivalent Plated

Seal: Nitrile

Handle: Standard Zinc Alloy - Steel Options Available

Body: Square with Mounting Holes



| Body Size | Thread Type | Size | Part #      |
|-----------|-------------|------|-------------|
| 1/4       | BSP         | 1/4  | KHB3K-G1/4T |
| 3/8       | BSP         | 3/8  | KHB3K-G3/8T |
| 1/2       | BSP         | 1/2  | KHB3K-G1/2T |
| 3/4       | BSP         | 3/4  | KHB3K-G3/4T |
| 1"        | BSP         | 1"   | KHB3K-G1T   |



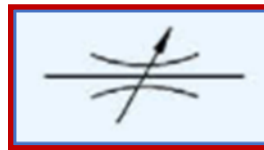
## Flow Control Valves

### LG Type Flow Control Valve "No Check" Double Acting

Material: Steel Trivalent Plated

Seal: Nitrile

Body: Square



| Body Size | Thread Type | Size | Part #    |
|-----------|-------------|------|-----------|
| 1/4       | BSP         | 1/4  | LG8-G1/4  |
| 3/8       | BSP         | 3/8  | LG10-G3/8 |
| 1/2       | BSP         | 1/2  | LG12-G1/2 |
| 3/4       | BSP         | 3/4  | LG16-G3/4 |
| 1"        | BSP         | 1"   | LG20-G1   |

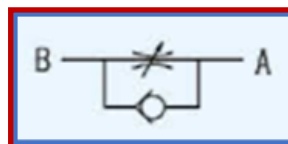


### LGA Type Flow Control Valve "With Check" Single Acting

Material: Steel Trivalent Plated

Seal: Nitrile

Body: Square



| Body Size | Thread Type | Size | Part #     |
|-----------|-------------|------|------------|
| 1/4       | BSP         | 1/4  | LGA8-G1/4  |
| 3/8       | BSP         | 3/8  | LGA10-G3/8 |
| 1/2       | BSP         | 1/2  | LGA12-G1/2 |
| 3/4       | BSP         | 3/4  | LGA16-G3/4 |
| 1"        | BSP         | 1"   | LGA20-G1   |





## Check Valves



### CV Check Valves BSP Threads

Material: Steel Trivalent Plated

Valve: Ball

Body: Hex

Crack Pressure: 0.5 Bar

| Body Size | Thread Type | Size | Part # |  |
|-----------|-------------|------|--------|--|
| 1/4       | BSP         | 1/4  | CV-04G |  |
| 3/8       | BSP         | 3/8  | CV-06G |  |
| 1/2       | BSP         | 1/2  | CV-08G |  |
| 3/4       | BSP         | 3/4  | CV-12G |  |
| 1"        | BSP         | 1"   | CV-16G |  |



## Valve Accessories

### Straight Handles "Steel"

Suits

| Valve       | Material | Part # |  |
|-------------|----------|--------|--|
| 1/4 to 1/2  | Steel    | 05SW09 |  |
| 3/4 to 1"   | Steel    | 05SW14 |  |
| 1 1/4 to 2" | Steel    | 05SW17 |  |



### Cranked Handles "Steel"

Suits

| Valve        | Material | Part # |  |
|--------------|----------|--------|--|
| 1/4 to 1/2   | Steel    | 06SW09 |  |
| 3/4 to 1"    | Steel    | 06SW14 |  |
| 1 1/4 to 2"  | Steel    | 06SW17 |  |
| 2" KHM Valve | Steel    | 06SW17 |  |



### Handle Locking Device "Padlock"

Suits

| Valve        | Material | Part # |  |
|--------------|----------|--------|--|
| 1/4 to 1/2   | Steel    | DS9    |  |
| 3/4 to 1 1/2 | Steel    | DS14   |  |
| 2"           | Steel    | DS17   |  |



### Valve Stop Plates

| Valve Size | Material | Part # |  |
|------------|----------|--------|--|
| 1/4 to 1/2 | Steel    | SW09SP |  |



## Coupling Protection



### S1 Series Dust Caps & Plugs ISO 7241-A Polyurethane

|      |      | Colour  |          |          |          |          |          |  |
|------|------|---------|----------|----------|----------|----------|----------|--|
| Size |      | Black   | Red      | Blue     | Green    | Yellow   | Orange   |  |
| 1/4  | Cap  | S1DC-04 | S1DC-04R | S1DC-04B |          |          |          |  |
| 1/4  | Plug | S1DP-04 | S1DP-04R | S1DP-04B |          |          |          |  |
| 3/8  | Cap  | S1DC-06 | S1DC-06R | S1DC-06B | S1DC-06G | S1DC-06Y |          |  |
| 3/8  | Plug | S1DP-06 | S1DP-06R | S1DP-06B | S1DP-06G | S1DP-06Y |          |  |
| 1/2  | Cap  | S1DC-08 | S1DC-08R | S1DC-08B | S1DC-08G | S1DC-08Y | S1DC-08O |  |
| 1/2  | Plug | S1DP-08 | S1DP-08R | S1DP-08B | S1DP-08G | S1DP-08Y | S1DP-08O |  |
| 3/4  | Cap  | S1DC-12 | S1DC-12R | S1DC-12B | S1DC-12G | S1DC-12Y |          |  |
| 3/4  | Plug | S1DP-12 | S1DP-12R | S1DP-12B | S1DP-12G | S1DP-12Y |          |  |
| 1"   | Cap  | S1DC-16 | S1DC-16R | S1DC-16B |          |          |          |  |
| 1"   | Plug | S1DP-16 | S1DP-16R | S1DP-16B |          |          |          |  |



### FTC Flip Dust Caps Suits 3CFPV & S5 Series Couplers

|      |  | Colour    |         |         |         |         |         |
|------|--|-----------|---------|---------|---------|---------|---------|
| Size |  | Black     | Blue    | Red     | Green   | Yellow  | Orange  |
| 1/2  |  | FTC-08BLK | FTC-08B | FTC-08R | FTC-08G | FTC-08Y | FTC-08O |
|      |  |           |         |         |         |         |         |



### PK & S4 Series Dust Caps & Plugs ISO 5675 Polyurethane

|      |      | Colour  |          |          |          |          |          |  |
|------|------|---------|----------|----------|----------|----------|----------|--|
| Size |      | Black   | Red      | Blue     | Green    | Yellow   | Orange   |  |
| 1/4  | Cap  | S4DC-04 | S4DC-04R | S4DC-04B |          |          |          |  |
| 1/4  | Plug | S4DP-04 | S4DP-04R | S4DP-04B |          |          |          |  |
| 3/8  | Cap  | S4DC-06 | S4DC-06R | S4DC-06B |          |          |          |  |
| 3/8  | Plug | S4DP-06 | S4DP-06R | S4DP-06B |          |          |          |  |
| 1/2  | Cap  | S1DC-08 | S1DC-08R | S1DC-08B | S1DC-08G | S1DC-08Y | S1DC-08O |  |
| 1/2  | Plug | S1DP-08 | S1DP-08R | S1DP-08B | S1DP-08G | S1DP-08Y | S1DP-08O |  |
| 3/4  | Cap  | S4DC-12 | S4DC-12R | S4DC-12B | S4DC-12G | S4DC-12Y |          |  |
| 3/4  | Plug | S4DP-12 | S4DP-12R | S4DP-12B | S4DP-12G | S4DP-12Y |          |  |
| 1"   | Cap  |         | S4DC-16R |          |          |          |          |  |
| 1"   | Plug |         | S4DP-16R |          |          |          |          |  |



## Coupling Protection



### S2 Series Caps & Plugs Polyurethane

| Size | Colour Red |         |  |
|------|------------|---------|--|
| 1/4  | Cap        | S2DC-04 |  |
| 1/4  | Plug       | S2DP-04 |  |
| 3/8  | Cap        | S2DC-06 |  |
| 3/8  | Plug       | S2DP-06 |  |
| 1/2  | Cap        | S2DC-08 |  |
| 1/2  | Plug       | S2DP-08 |  |
| 3/4  | Cap        | S2DC-12 |  |
| 3/4  | Plug       | S2DP-12 |  |
| 1"   | Cap        | S2DC-16 |  |
| 1"   | Plug       | S2DP-16 |  |



### FF & FFH Series Caps & Plugs Polyurethane

| Size | Colour Red |          |  |
|------|------------|----------|--|
| 1/4  | Female     | FFDC-04F |  |
| 1/4  | Male       | FFDC-04M |  |
| 3/8  | Female     | FFDC-06F |  |
| 3/8  | Male       | FFDC-06M |  |
| 1/2  | Female     | FFDC-08F |  |
| 1/2  | Male       | FFDC-08M |  |
| 5/8  | Female     | FFDC-10F |  |
| 5/8  | Male       | FFDC-10M |  |
| 3/4  | Female     | FFDC-12F |  |
| 3/4  | Male       | FFDC-12M |  |
| 1"   | Female     | FFDC-16F |  |
| 1"   | Male       | FFDC-16M |  |



### S300 Series Caps & Plugs Polyurethane

| Size | Colour Red |           |  |
|------|------------|-----------|--|
| 1/4  | Cap        | S300DC-04 |  |
| 1/4  | Plug       | S300DP-04 |  |
| 3/8  | Cap        | S300DC-06 |  |
| 3/8  | Plug       | S300DP-06 |  |



### S300 Series Caps & Plugs Aluminium

| Size |      |            |  |
|------|------|------------|--|
| 1/4  | Cap  | S300DC-04A |  |
| 1/4  | Plug | S300DP-04A |  |
| 3/8  | Cap  | S300DC-06A |  |
| 3/8  | Plug | S300DP-06A |  |



## Coupling Protection



### VV Series Caps & Plugs Aluminium

| Size | Cap      |  | Plug     |  |
|------|----------|--|----------|--|
| 1/4  | VVDC-04A |  | VVDP-04A |  |
| 3/8  | VVDC-06A |  | VVDP-06A |  |
| 1/2  | VVDC-08A |  | VVDP-08A |  |
| 3/4  | VVDC-12A |  | VVDP-12A |  |
| 1"   | VVDC-16A |  | VVDP-16A |  |



### VVS Series Caps & Plugs Aluminium

| Size  | Cap       |  | Plug      |  |
|-------|-----------|--|-----------|--|
| 1/4   | VVSDC-04A |  | VVSDP-04A |  |
| 3/8   | VVSDC-06A |  | VVSDP-06A |  |
| 1/2   | VVSDC-08A |  | VVSDP-08A |  |
| 3/4   | VVSDC-12A |  | VVSDP-12A |  |
| 1"    | VVSDC-16A |  | VVSDP-16A |  |
| 1 1/4 | VVSDC-20A |  | VVSDP-20A |  |
| 1 1/2 | VVSDC-24A |  | VVSDP-24A |  |



### CVV Series Caps & Plugs Aluminium

| Size  | Cap       |  | Plug      |  |
|-------|-----------|--|-----------|--|
| 1/2   | CVVDC-08A |  | CVVDP-08A |  |
| 3/4   | CVVDC-12A |  | CVVDP-12A |  |
| 1"    | CVVDC-16A |  | CVVDP-16A |  |
| 1 1/4 | CVVDC-20A |  | CVVDP-20A |  |



### CVV Series Caps & Plugs Polyurethane

| Size | Cap       |  | Plug      |  |
|------|-----------|--|-----------|--|
| 3/8  | CVVDC-06P |  | CVVDP-06P |  |
| 1/2  | CVVDC-08P |  | CVVDP-08P |  |
| 3/4  | CVVDC-12P |  | CVVDP-12P |  |
| 1"   | CVVDC-16P |  | CVVDP-16P |  |



### S75 Series Caps & Plugs Aluminium

| Size  | Cap      |  | Plug     |  |
|-------|----------|--|----------|--|
| 1"    | S75DC-16 |  | S75DP-16 |  |
| 1 1/4 | S75DC-20 |  | S75DP-20 |  |
| 1 1/2 | S75DC-24 |  | S75DP-24 |  |



## Coupling Protection



### PBR Series Dust Cap & Plug Polyurethane

| Size | Description | Part #   |  |
|------|-------------|----------|--|
| 1"   | Cap         | PBRDC-16 |  |
| 1"   | Plug        | PBRDP-16 |  |



### TM Series Dust Caps & Plugs Polyurethane

| Size | Description | Part #  |  |
|------|-------------|---------|--|
| 1/2  | Cap         | TMDC-08 |  |
| 1/2  | Plug        | TMDP-08 |  |
| 3/4  | Cap         | TMDC-12 |  |
| 3/4  | Plug        | TMDP-12 |  |
| 1"   | Cap         | TMDC-16 |  |
| 1"   | Plug        | TMDP-16 |  |



### S600 Series Dust Caps & Plugs Aluminium

| Size | Description | Part #     |  |
|------|-------------|------------|--|
| 1/2  | Cap         | S600DC-08P |  |
| 1/2  | Plug        | S600DP-08P |  |
| 3/4  | Cap         | S600DC-12P |  |
| 3/4  | Plug        | S600DP-12P |  |
| 1"   | Cap         | S600DC-16P |  |
| 1"   | Plug        | S600DP-16P |  |



### S10 Series Dust Caps & Plugs

| Size | Description | Part #   |  |
|------|-------------|----------|--|
| 1/2  | Cap         | S10DC-08 |  |
| 1/2  | Plug        | S10DP-08 |  |



### TC Series Dust Caps & Plugs

| Size | Description | Part #   |  |
|------|-------------|----------|--|
| 3/8  | Cap         | TCDC-06A |  |
| 3/8  | Plug        | TCDP-06A |  |



## Coupling Protection



### VEP Series Dust Caps & Plugs

Material: Anodised Aluminium

| Size  | Description | Part #   |  |
|-------|-------------|----------|--|
| 1/2   | Cap         | VEPDC-08 |  |
| 1/2   | Plug        | VEPDP-08 |  |
| 3/4   | Cap         | VEPDC-12 |  |
| 3/4   | Plug        | VEPDP-12 |  |
| 1"    | Cap         | VEPDC-16 |  |
| 1"    | Plug        | VEPDP-16 |  |
| 1 1/4 | Cap         | VEPDC-20 |  |
| 1 1/4 | Plug        | VEPDP-20 |  |
| 1 1/2 | Cap         | VEPDC-24 |  |
| 1 1/2 | Plug        | VEPDP-24 |  |



## Colour Coded Sleeves

### Colour Coded Sleeves - Suits Female Couplers

| Part #    | Colour | Size |  | Part #  | Size |  |
|-----------|--------|------|--|---------|------|--|
| SLV-08R   | Red    | 1/2  |  | SLV-12R | 3/4  |  |
| SLV-08B   | Blue   | 1/2  |  | SLV-12B | 3/4  |  |
| SLV-08G   | Green  | 1/2  |  | SLV-12G | 3/4  |  |
| SLV-08Y   | Yellow | 1/2  |  | SLV-12Y | 3/4  |  |
| SLV-08BLK | Black  | 1/2  |  |         |      |  |
| SLV-08O   | Orange | 1/2  |  |         |      |  |
| SLV-08GRY | Grey   | 1/2  |  |         |      |  |



### Colour Coded Sleeves for HG-08 Hose Grip

| Part #    | Colour | Size |  |
|-----------|--------|------|--|
| HGS-08R   | Red    | 1/2  |  |
| HGS-08B   | Blue   | 1/2  |  |
| HGS-08G   | Green  | 1/2  |  |
| HGS-08Y   | Yellow | 1/2  |  |
| HGS-08O   | Orange | 1/2  |  |
| HGS-08BLK | Black  | 1/2  |  |
| HGS-08GRY | Grey   | 1/2  |  |





## Hose Grip



### Advantages:

- ♦ The knurling on the handle gives an anti-slip surface when using gloves or greasy hands.
- ♦ Option to colour code for easy identification of hydraulic lines.
- ♦ You can see at a glance where your hose fits.
- ♦ Less wasted time.
- ♦ Prevents hoses being connected incorrectly.
- ♦ Light weight aluminium "200g"
- ♦ Makes life easier for the operator with quick change over of implements.
- ♦ Other male thread options available.



To order with sleeve fitted order part# HG-08\*(\* colour)

### Coloured Sleeves Hose Grip

- ♦ 7 Colour options, Blue, Yellow, Red, Orange, Green, Black & Orange
- ♦ They fit on the raised shoulder and lock into the groove to secure
- ♦ Easy to fit, warm the sleeve in hot water and push onto the



### Sleeves to suit female couplers

- ♦ 7 colour options, Red, Blue, Green, Yellow, Orange, Grey & Black
- ♦ Gives full colour identification .
- ♦ Easy to fit.
- ♦ Warm in hot water and push onto sleeve until it hits the lip.





## HPR - Hydraulic Pressure Relief Tool

A very common problem when a machine or implement is left unused the hydraulic pressure in the hoses can build up to a point where the quick couplers can't be connected. The wrong way to release the pressure is to hit the poppet in the couplers with a hammer or similar tool. This can damage the coupler to the extent where it has to be replaced. Another dangerous way is to loosen the connection, this can be very dangerous to the person (Oil Injection) and also damages the environment.

The HPR tool can relieve the pressure in seconds and controls the oil release with a few turns of the handle.

Simple to use:

- ♦ Always use eye protection
- ♦ Attach the female or male coupler to the pressurised side.
- ♦ Place a rag over the coupler to catch any oil released.
- ♦ Screw the black knob until it connects to the poppet or ball and release the pressure



**HPRMF –08**  
**Male & Female Set**



**PRM-08**  
**Male Tool**



**PRF-08**  
**Female Tool**

## WARNING

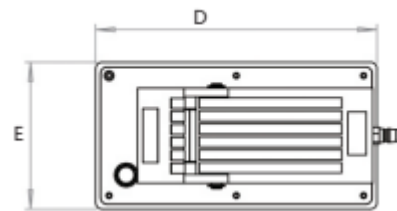
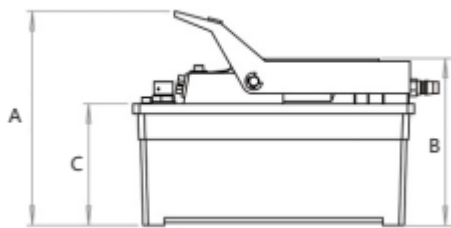
**These tools are not to be used to relieve full pressure in a hydraulic system. Use the procedure recommended by the machine manufacturer to de-pressurise the system.**

## Hydraulic Pumps

### WPA-3 Air—Hydraulic Pump



| Model | Reservoir Type | Reservoir |        | Air Supply Required | Flow Rate |         | Port    | Weight |
|-------|----------------|-----------|--------|---------------------|-----------|---------|---------|--------|
|       |                | Capacity  | Usable |                     | 0 Bar     | 700 Bar |         |        |
|       |                | L         | L      |                     | L/min     | L/Min   |         | Kg     |
| WPA-3 | Polyethylene   | 2.3       | 2.1    | 3-8                 | 1.22      | 0.95    | 3/8 NPT | 6.8    |



| Part # | A    | B    | C    | D    | E    |
|--------|------|------|------|------|------|
|        | (mm) | (mm) | (mm) | (mm) | (mm) |
| WPA-3  | 210  | 153  | 115  | 315  | 175  |

The WPA-3 Air/Hydraulic pump is foot operated for single acting cylinders with a Max working pressure of 700 Bar (10,000 PSI)

Advantages:

- ◆ Compact and light weight
- ◆ Built with high quality materials
- ◆ Economical to service and repair
- ◆ Ideal for use with our CM16 and CM18 Mini Crimpers
- ◆ 12 Months warranty

## Hydraulic Pumps

### WPE-B Battery Powered Hydraulic Pump



|                     |                                        |                          |                                |
|---------------------|----------------------------------------|--------------------------|--------------------------------|
| Product Description | Lithium battery powered hydraulic pump | Motor Power              | 0.4 KW                         |
| Model               | WPE-B                                  | Rotating Speed           | 1400 RPM                       |
| Battery             | 2 * 4.0Ah Batteries and 1 Charger      | High & Low Pressure Flow | 0.5L/min                       |
| Battery Voltage     | 18 Volt                                | Net weight               | 12.5 Kg including Hose         |
| High Pressure       | 700 Bar                                | Gross Weight             | 17Kg With steel case           |
| Low Pressure        | 70 Bar                                 | Hose Length              | 2 Mts Including Quick Couplers |
| Oil Capacity        | 2.5L                                   | Package Size             | 275 x 245 x 425                |
| Tank Material       | Steel                                  | Carry Case               | 1                              |

- ◆ Light weight, easy to move around
- ◆ 2 Batteries keep working for longer
- ◆ Remote control
- ◆ 2Mt hose supplied with quick couplers
- ◆ Metal carry case protects the machine when not in use
- ◆ Ideal option to go with out CM16 and CM18 Mini Crimpers

## Seal Kits



### ISO A & 5675

| Body | Coupler | Half | Part #   |  |
|------|---------|------|----------|--|
| 1/4  | S1F-04  | F    | S1F-04SK |  |
| 3/8  | S1F-06  | F    | S1F-06SK |  |
| 3/8  | PKF-06  | F    | PKF-06SK |  |
| 1/2  | S1F-08  | F    | S1F-08SK |  |
| 3/4  | S1F-12  | F    | S1F-12SK |  |
| 1"   | S1F-16  | F    | S1F-16SK |  |
| 3/4  | PKF-12  | F    | PKF-12SK |  |
| 3/4  | NVF-12  | F    | NVF-12SK |  |

### CVV

|     |         |   |           |  |
|-----|---------|---|-----------|--|
| 1/2 | CVVF-08 | F | CVVF-08SK |  |
| 3/4 | CVVF-12 | F | CVVF-12SK |  |
| 1"  | CVVF-16 | F | CVVF-16SK |  |

### VV

|     |        |   |          |  |
|-----|--------|---|----------|--|
| 1/2 | VVF-08 | F | VVF-08SK |  |
| 3/4 | VVF-12 | F | VVF-12SK |  |
| 1"  | VVF-16 | F | VVF-16SK |  |

### VVS

|     |         |   |         |  |
|-----|---------|---|---------|--|
| 1/2 | VVSF-08 | F | VVSF-08 |  |
| 3/4 | VVSF-12 | F | VVSF-12 |  |
| 1"  | VVSF-16 | F | VVSF-16 |  |

### PBR

|    |         |   |          |  |
|----|---------|---|----------|--|
| 1" | PBRF-16 | F | PBR-16SK |  |
|----|---------|---|----------|--|

### CR

|     |        |   |          |  |
|-----|--------|---|----------|--|
| 1/2 | CRF-08 | F | CRF-08SK |  |
|-----|--------|---|----------|--|

### S10

|     |         |   |           |  |
|-----|---------|---|-----------|--|
| 1/2 | S10F-08 | F | S10F-08SK |  |
| 1/2 | S10M-08 | M | S10M-08SK |  |

### TM

|     |        |   |          |  |
|-----|--------|---|----------|--|
| 3/4 | TMF-12 | F | TMF-12SK |  |
| 1"  | TMF-16 | F | TMF-16SK |  |

### S75

|       |         |   |          |  |
|-------|---------|---|----------|--|
| 1"    | S75F-16 | F | S75-16SK |  |
| 1 1/4 | S75F-20 | F | S75-20SK |  |
| 1 1/2 | S75F-24 | F | S75-24SK |  |

### VEP

|       |         |   |          |  |
|-------|---------|---|----------|--|
| 1/2   | VEPF-08 | F | VEP-08SK |  |
| 3/4   | VEPF-12 | F | VEP-12SK |  |
| 1"    | VEPF-16 | F | VEP-16SK |  |
| 1 1/4 | VEPF-20 | F | VEP-20SK |  |
| 1 1/2 | VEPF-24 | F | VEP-24SK |  |

### S312

|     |           |   |          |  |
|-----|-----------|---|----------|--|
| 1/2 | S312F-14U | F | S312F-SK |  |
|-----|-----------|---|----------|--|

### 3CFHF & 3CFPV

|     |       |   |            |  |
|-----|-------|---|------------|--|
| 1/2 | 3CFHF | F | 3CFPV-08SK |  |
|-----|-------|---|------------|--|

### CVV-16 Re-Build Kit

|    |        |       |          |  |
|----|--------|-------|----------|--|
| 1" | CVV-16 | M & F | CVV-16RK |  |
|----|--------|-------|----------|--|

**This kit includes all seals, new poppet valves and spring clips to re-build the 1" CVV male & female**

### Flat Face Male Seal Kit

| Size | Male   | Type 1    | Type 2    | \$ |
|------|--------|-----------|-----------|----|
| 1/4  | FFM-04 | FFM-04SKF | FFM-04SKL |    |
| 3/8  | FFM-06 | FFM-06SKF | FFM-06SKL |    |
| 1/2  | FFM-08 | FFM-08SKF | FFM-08SKL |    |
| 5/8  | FFM-10 | FFM-10SKF | FFM-10SKL |    |
| 3/4  | FFM-12 | FFM-12SKF | FFM-12SKL |    |
| 1"   | FFM-16 | FFM-16SKF | FFM-16SKL |    |

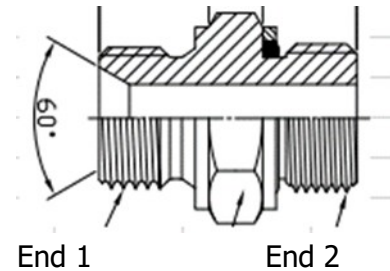
## Conversion Adaptors



### Metric Male Stud X BSP Male

Metric end comes complete with O-ring seal & retainer

| Part #    | Thread |        | Size  |         |  |
|-----------|--------|--------|-------|---------|--|
|           | End 1  | End 2  | End 1 | End 2   |  |
| A10610614 | BSPP   | METRIC | 3/8   | M14*1.5 |  |
| A10610822 | BSPP   | METRIC | 1/2   | M22*1.5 |  |
| A10610827 | BSPP   | METRIC | 1/2   | M27*2   |  |
| A10611222 | BSPP   | METRIC | 3/4   | M22*1.5 |  |
| A10611227 | BSPP   | METRIC | 3/4   | M27*2   |  |



### Metric Tube to BSP Male Stud ED Seal

| Part #    | Thread |       | Size  |         |     |
|-----------|--------|-------|-------|---------|-----|
|           | End 1  | End 2 | End 1 | End 2   |     |
| A10650816 | Metric | BSPP  | 10mm  | M16*1.5 | 1/2 |
| A10650818 | Metric | BSPP  | 12mm  | M18*1.5 | 1/2 |
| A10650822 | Metric | BSPP  | 15mm  | M22*1.5 | 1/2 |
| A10651226 | Metric | BSPP  | 18mm  | M26*1.5 | 3/4 |

#### Heavy

| Part #    | Thread |       | Size  |         |     |
|-----------|--------|-------|-------|---------|-----|
|           | End 1  | End 2 | End 1 | End 2   |     |
| A10680818 | Metric | BSPP  | 10mm  | M18*1.5 | 1/2 |
| A10680820 | Metric | BSPP  | 12mm  | M20*1.5 | 1/2 |
| A10680822 | Metric | BSPP  | 14mm  | M22*1.5 | 1/2 |
| A10680824 | Metric | BSPP  | 16mm  | M24*1.5 | 1/2 |



### Bulkhead Fittings, BSP, Metric & ORFS

| Part #      | Thread |        | Size  |         |  |
|-------------|--------|--------|-------|---------|--|
|             | End 1  | End 2  | End 1 | End 2   |  |
| A10250606   | BSP    | BSP    | 3/8   | 3/8     |  |
| A10250806   | BSP    | BSP    | 1/2   | 3/8     |  |
| A10250808   | BSP    | BSP    | 1/2   | 1/2     |  |
| A10650818BH | BSP    | Metric | 1/2   | M18*1.5 |  |
| A10650822BH | BSP    | Metric | 1/2   | M22*1.5 |  |
| A10880813BH | BSP    | ORFS   | 1/2   | 13/16   |  |
| A10880816BH | BSP    | ORFS   | 1/2   | 1"      |  |
| A10510812   | BSP    | JICM   | 1/2   | 3/4     |  |
| A10510814   | BSP    | JICM   | 1/2   | 7/8     |  |



### Bonded Seals, Self Centring

| Imperial |       |  | Metric |      |  |
|----------|-------|--|--------|------|--|
| Part #   | Size  |  | Part # | Size |  |
| ZS0102   | 1/8   |  | ZS0608 | 8mm  |  |
| ZS0104   | 1/4   |  | ZS0610 | 10mm |  |
| ZS0106   | 3/8   |  | ZS0612 | 12mm |  |
| ZS0108   | 1/2   |  | ZS0614 | 14mm |  |
| ZS0112   | 3/4   |  | ZS0616 | 16mm |  |
| ZS0116   | 1"    |  | ZS0618 | 18mm |  |
| ZS0120   | 1 1/4 |  | ZS0620 | 20mm |  |
| ZS0124   | 1 1/2 |  | ZS0622 | 22mm |  |
| ZS0132   | 2"    |  | ZS0624 | 24mm |  |



## Pressure & Flow Information



### Pressure Ratings S2 Series Couplers PSI

#### Low cycle non-pulsing

#### Normal use

| Size | Steel | 304 SS | 316 SS | Brass | Size | Steel | 304 SS | 316 SS | Brass |
|------|-------|--------|--------|-------|------|-------|--------|--------|-------|
| 1/8  | 5000  | 5000   | 5000   | 3045  | 1/8  | 5000  | 2030   | 2030   | 1015  |
| 1/4  | 5000  | 5000   | 5000   | 3700  | 1/4  | 5000  | 2030   | 2030   | 1015  |
| 3/8  | 4060  | 5000   | 5000   | 2610  | 3/8  | 4000  | 1522   | 1522   | 1015  |
| 1/2  | 4060  | 5000   | 5000   | 2610  | 1/2  | 4000  | 1522   | 1522   | 1015  |
| 3/4  | 2537  | 3000   | 3000   | 2200  | 3/4  | 2500  | 1522   | 1522   | 1015  |
| 1"   | 2030  | 3000   | 3000   | 1500  | 1"   | 2000  | 1015   | 1015   | 1015  |

### Quick Coupler Pressure Ratings

| Size  | Series (PSI) |      |      |      |      |      |       |      |       |      |       |      |      |
|-------|--------------|------|------|------|------|------|-------|------|-------|------|-------|------|------|
|       | S1           | PK   | S4   | S5   | FF   | VV   | VVS   | CVV  | S300  | ST   | S600  | VEP  | S75  |
| 1/8   |              |      |      |      |      |      |       |      |       | 2500 |       |      |      |
| 1/4   | 5000         | 5000 | 5000 |      | 5000 | 5075 | 10000 | 5000 | 10000 | 5200 | 15950 |      |      |
| 3/8   | 4000         | 4000 | 4000 |      | 5000 | 4350 | 10000 | 5000 | 10000 | 2700 | 10000 |      |      |
| 1/2   | 4000         | 4000 | 4000 | 4000 | 5000 | 3625 | 10000 | 5000 |       | 2200 | 10000 | 7000 |      |
| 5/8   |              |      |      |      | 5000 |      |       |      |       |      |       |      |      |
| 3/4   | 3000         | 3000 | 3000 |      | 5000 | 3625 | 10000 | 4500 |       | 1700 | 9400  | 7000 |      |
| 1"    | 3000         | 3000 | 3000 |      | 5000 | 3200 | 7500  | 4500 |       |      | 9400  | 6000 | 5000 |
| 1 1/4 | 3000         |      |      |      | 3000 |      | 6500  |      |       |      | 9400  | 5000 | 5000 |
| 1 1/2 | 2000         |      |      |      | 3000 |      | 5000  |      |       |      | 4300  | 5000 | 5000 |
| 2"    | 2000         |      |      |      | 3000 |      | 5000  |      |       |      | 4300  |      |      |

**Note: ST series are BRASS & Stainless Steel**

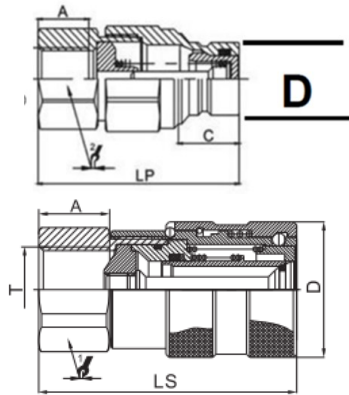
### Quick Coupling Flow Rates

| Size  | Series (LPM) |       |     |    |     |     |      |     |      |     |      |     |     |
|-------|--------------|-------|-----|----|-----|-----|------|-----|------|-----|------|-----|-----|
|       | S1           | PK/S4 | S2  | S5 | FF  | VV  | VVS  | CVV | S300 | ST  | S600 | VEP | S75 |
| 1/8   |              |       | 4   |    |     |     |      |     |      | 11  |      |     |     |
| 1/4   | 11           | 11    | 11  |    | 12  | 18  | 8    | 13  | 15   | 23  | 11   |     |     |
| 3/8   | 23           | 23    | 23  |    | 23  | 30  | 18   | 25  | 20   | 45  | 22   |     |     |
| 1/2   | 45           | 45    | 45  | 45 | 45  | 65  | 40   | 65  |      | 106 | 45   | 70  |     |
| 5/8   |              |       |     |    | 74  |     |      |     |      |     |      |     |     |
| 3/4   | 106          | 105   | 105 |    | 105 | 100 | 55   | 100 |      | 189 | 105  | 120 |     |
| 1"    | 189          | 189   | 189 |    | 189 | 140 | 100  | 205 |      |     | 118  | 200 | 230 |
| 1 1/4 | 288          |       |     |    | 250 |     | 140  | 450 |      |     | 140  | 350 | 320 |
| 1 1/2 | 379          |       |     |    | 379 |     | 300  | 450 |      |     | 200  | 420 | 330 |
| 2"    | 760          |       |     |    |     |     | 1000 |     |      |     | 355  | 750 |     |

## Size, Type & Dimension Check



### Flat Face Size & Dimension Check ISO 16028



| Size | C (mm) | Male D (mm)  | Female D (mm) |
|------|--------|--------------|---------------|
| 1/4  | 15.20  | <b>16.10</b> | 28            |
| 3/8  | 19.50  | <b>19.70</b> | 32            |
| 1/2  | 21.60  | <b>24.50</b> | 38            |
| 5/8  | 21.60  | <b>27.00</b> | 42            |
| 3/4  | 29.00  | <b>30.00</b> | 48            |
| 1    | 34.00  | <b>36.00</b> | 56            |

### ISO A & 5675 Dimension Check

| Size       | Hydraulic Connect |              |              | Faster       |              |
|------------|-------------------|--------------|--------------|--------------|--------------|
|            | S1                | S4           | PK           | NS           | NV           |
| 1/4        | 11.80             | 14.20        | 14.20        | 14.20        | 14.20        |
| 3/8        | 17.30             | 19.00        | 19.00        | 19.00        | 19.00        |
| 1/2        | 20.50             | 20.50        | 20.50        | 20.50        | 20.50        |
| <b>3/4</b> | <b>29.00</b>      | <b>26.90</b> | <b>26.90</b> | <b>28.00</b> | <b>28.00</b> |
| 1"         | 34.30             | 31.30        | 31.30        | 31.30        | 31.30        |



Check dimension "d" in mm

### Screw Connect Couplers Identification

#### Male

CVV

VVS

VV

S600

VEP

S75



#### Female

CVV

VVS

VV

S600

VEP

S75





**Sparex Interchange****Sparex Part # Interchange**

|          |             |
|----------|-------------|
| S.10830  | S10DC-08    |
| S.112681 | FFF-04G     |
| S.112682 | FFM-04G     |
| S.112683 | FFF-0608G   |
| S.112684 | FFM-0608G   |
| S.112685 | FFM-0618BH  |
| S.112686 | FFF-0622GM  |
| S.112687 | FFF-06G     |
| S.112688 | FFM-06G     |
| S.112689 | FFF-0618BH  |
| S.112690 | FFF-0622BH  |
| S.112691 | FFF-08G     |
| S.112692 | FFM-08G     |
| S.112693 | FFF-0812G   |
| S.112694 | FFM-0812G   |
| S.112695 | FFF-12G     |
| S.112696 | FFM-12G     |
| S.112743 | PKF-06G     |
| S.112744 | PKM-06G     |
| S.112749 | FTC-08BLU   |
| S.112750 | FTC-08Y     |
| S.112753 | FTC-08R     |
| S.11306  | S1F-06SK    |
| S.12065  | S10F-08G    |
| S.129788 | FFM-0817U   |
| S.129789 | FFF-0817U   |
| S.13235  | VVF-08G     |
| S.13236  | VVM-08G     |
| S.14088  | S10M-08M18  |
| S.165783 | FFM-16G     |
| S.166036 | 3CFHF-22M   |
| S.166038 | 3CFHF-08FN  |
| S.166045 | 3CFHF-06BH  |
| S.166050 | 4SRHF-22M   |
| S.166051 | 4SRHF-22M   |
| S.166052 | 4SRHF-15LBH |
| S.18102  | S1F-16SK    |
| S.18103  | S1F-12SK    |
| S.20240  | FFF-08G     |
| S.20241  | FFM-08G     |
| S.21242  | S5F-14U     |
| S.21243  | S1M-08G     |
| S.24827  | FFM-0608G   |
| S.24829  | FFF-0608G   |

**Sparex Part # Interchange**

|         |             |
|---------|-------------|
| S.24830 | FFM-08G     |
| S.24831 | FFF-08G     |
| S.24832 | FFM-0812G   |
| S.24833 | FFF-0812G   |
| S.2695  | PKM-04G     |
| S.2696  | PKF-04G     |
| S.28312 | S10F-08M18  |
| S.2957  | S1M-06G     |
| S.2958  | S1F-06G     |
| S.2961  | S1F-08G     |
| S.30210 | S5M-12LM    |
| S.30211 | S5M-15LM    |
| S.30212 | S5F-12LM    |
| S.30213 | S5F-15LM    |
| S.30214 | S5F-12LBH   |
| S.30215 | S5F-15LBH   |
| S.3049  | 3CFPV-22M   |
| S.32041 | 3CFPV-22M   |
| S.32045 | 3CFPV-15LBH |
| S.4349  | S5F-08G     |
| S.4371  | S1M-08G     |
| S.4837  | S5M-08FM22  |
| S.4838  | S5F-08FM22  |
| S.50007 | S4M-08G     |
| S.50008 | S4F-08G     |
| S.51914 | FTC-08R     |
| S.51915 | FTC-08BLU   |
| S.51916 | FTC-08G     |
| S.5643  | S1F-08G     |
| S.5747  | S1F-08SK    |
| S.7635  | FFM-0812G   |
| S.7636  | FFF-0812G   |
| S.7998  | S10M-08G    |
| S.8022  | FFM-06G     |
| S.8023  | FFF-06G     |
| S.8032  | FFM-0608G   |
| S.8033  | FFF-0608G   |
| S.8033  | FFF-0608G   |
| S.8078  | S5F-08GM    |
| S.8628  | S1M-12G     |
| S.8629  | S1F-12G     |
| S.8630  | S1M-16G     |
| S.8631  | S1F-16G     |
| S.8904  | S1M-12U     |
| S.8905  | S5F-12U     |

## Vapormatic & Bareco Interchange



### Vapormatic Part # Interchange

|           |            |
|-----------|------------|
| VFL1012   | S1F-08G    |
| VFL1013   | S1M-08G    |
| VFL1022   | S1F-06G    |
| VFL1023   | S1M-06G    |
| VFL1042   | S1F-12G    |
| VFL1043   | S1M-12G    |
| VFL1052   | S1F-16G    |
| VFL1053   | S1M-16G    |
| VFL1062   | S1F-04G    |
| VFL1063   | S1M-04G    |
| VFL1070   | FFM-0817U  |
| VFL-1071  | VVF-08G    |
| VFL-1072  | VVM-08G    |
| VFL1122   | S5F-08G    |
| VFL1132   | S5F-12U    |
| VFL1133   | S1M-12U    |
| VFL1162   | S5F-14U    |
| VFL1222   | S10F-08G   |
| VFL1412   | S5F-12LF   |
| VFL1901   | S1M-08GM   |
| VFL1933   | S5M-08MF22 |
| VFL2200   | FFF-08G    |
| VFL2201   | FFM-08G    |
| VFL2202   | FFF-1216G  |
| VFL2203   | FFF-1012G  |
| VFL2204   | FFM-1216G  |
| VFL2205   | FFM1012G   |
| VFL2206   | FFF-0812G  |
| VFL2207   | FFM-0812G  |
| VFL2212   | FFF-06G    |
| VFL2213   | FFM-06G    |
| VFL2222   | FFF-0608G  |
| VFL2223   | FFM-0608G  |
| VFL3002   | 3CFPV-22M  |
| VFL3010   | S5F-12U    |
| VFL3020   | S10M-12S   |
| VFL3021   | S10M-10L   |
| VFL3022   | S10F-12L   |
| VFL3030   | 3CFPV-22M  |
| VFL6001   | S1F-06SK   |
| VFL6003   | S1F-08SK   |
| VP0510007 | 5DCPV-08   |

### Bareco Part # Interchange

|            |          |
|------------|----------|
| BP4050-4   | S4M-08G  |
| BP8010-29  | S4M-08G  |
| BP8010-29P | S1M-08G  |
| BP4050-2   | S4F-04G  |
| BP4050-3   | S4F-06G  |
| BP4150-5   | S4F-12G  |
| BP4050-6P  | S4F-16G  |
| BP4050-15  | S4F-12U  |
| BP4050-16  | S4F-14U  |
| BP4010-2   | PKM-04G  |
| BP4010-3   | PKM-06G  |
| BP4110-5   | S4M-12G  |
| BP4010-6P  | PKM-16G  |
| BP8010-15  | S4M-12U  |
| BP8010-16  | S4M-14U  |
| BP4050-4   | S4F-08G  |
| BP4050-29  | S1F-08G  |
| BP4250-4   | S5F-08N  |
| BP8250-4C  | S1YF-08G |



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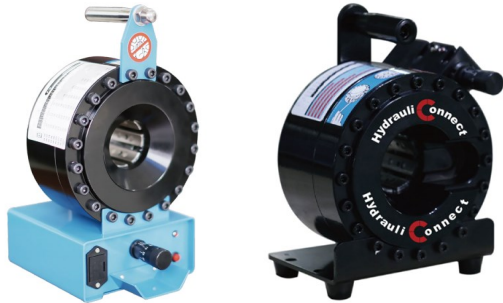


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Carbon steel Zinc– Nickel plated for superior corrosion resistance.

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- 3.1 documentation - 100% traceability (Subject to charge)
- 1.4571 - (316TI) Top quality stainless steel for optimum performance



### Carry Crimpers:

CM16 - Crimp up to 1" 2 wire or 3/4 spiral, only weighs 20Kg

CM18 - Crimp up to 1" 2 wire & 4 wire spiral only weighs 24Kg

### Power Packs:

The Carry Crimpers are normally supplied with either an hand pump or air hydraulic pump.



### Mobile Crimpers 12V or 24V:

CM20M - Crimps up to 1 1/2 2 wire & 1 1/4 4 wire spiral.

CM32M - Crimps up to 2" 2 wire & 4 wire spiral



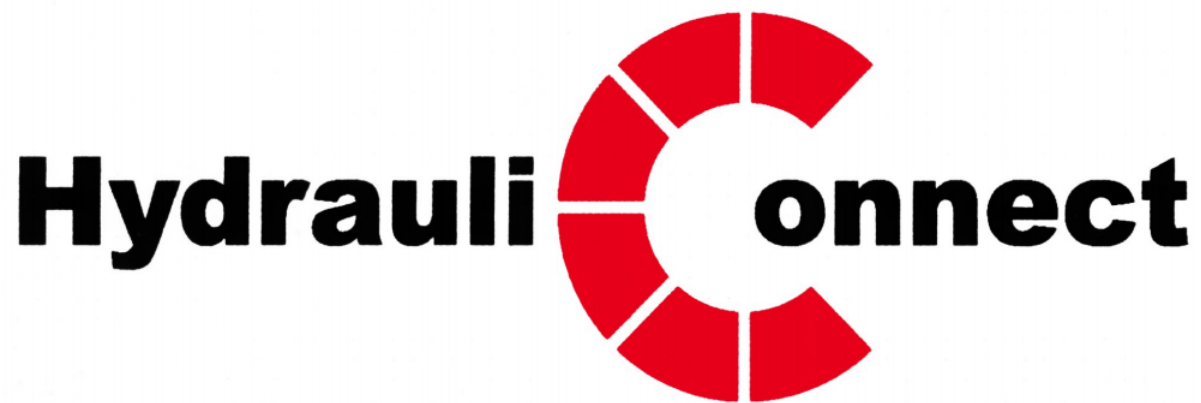
### Workshop Crimpers:

CM20S - Crimps up to 1 1/2 2 wire & 4 wire spiral, available with manual calibration or digital.

CM32D - Crimps up to 2" 2 wire and 4 wire spiral, available with manual calibration or digital

**All machine packages come complete with a full set of dies, quick change tool, die rack and stand (were applicable) and a 24 month return to base warranty.**





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