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Dixon T-Series

Dixon CM-Series

Dixon W-Series

Dixon ST-Series
Quick Release Couplings

Dixon H-Series

Dixon V-Series

Dixon E-Series

Dixon K-Series

Dixon HT-Series
## Quick Release Couplings

<table>
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<th>Series</th>
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<td>Dixon NK-Series</td>
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<td>Dixon J-Series</td>
<td><img src="image8" alt="J-Series" /></td>
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<tr>
<td>Dixon DF-Series</td>
<td><img src="image9" alt="DF-Series" /></td>
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</table>
Quick Release Couplings

H Series: ISO 7241 Series B Interchange

- H-Series couplers and nipples are fully compliant with the parameters outlined in ISO7241 Series ‘B’
- A wide variety of body and seal materials are available to maximise compatibility in a variety of applications
- Large diameter heavy duty knurled sleeves are designed to resist brinelling and maximise performance under impulse conditions
- Wide selection of thread configurations to ensure compatibility in a variety of installations

<table>
<thead>
<tr>
<th>PERFORMANCE SPECIFICATIONS</th>
<th>OPERATING bar (psi)</th>
<th>BURST bar (psi)</th>
<th>FLOW RATE ΔP=2 bar</th>
<th>LOCKING MECHANISM</th>
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<tr>
<td>1/8” Steel</td>
<td>379 (5,500)</td>
<td>1,448 (21,000)</td>
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<td>1,103 (16,000)</td>
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<tr>
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Please Note: For 316SS and 303SS operating pressure, multiply the operating pressures above by 0.60.

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### Quick Release Couplings

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<th>INDUSTRY STANDARDS</th>
<th>INTERNATIONAL STANDARDS</th>
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<tr>
<td>1 1/4”</td>
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* These particular sizes are not outlined within the documented standard category.

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<tr>
<th>“H” SERIES INTERCHANGE</th>
<th>PARKER</th>
<th>SNAP TITLE</th>
<th>FASTER</th>
<th>HANSEN</th>
<th>STUCCHI</th>
<th>AEROQUIP/EATON</th>
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<td>72-Series</td>
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<td>HK-Series</td>
<td>IRB/RBO/IRBXD series</td>
<td>FD45 series</td>
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<td>FD45 series</td>
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**H-SERIES ISO-B INTERCHANGE (COUPLER)**

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<th>CAP LANYARD</th>
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<tr>
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<td>1/4” - 18 NPTF</td>
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<td>H1OM3</td>
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<td>9/16” - 18 ORB</td>
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**H-SERIES ISO-B INTERCHANGE (COUPLER DUST PLUG)**

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**H-SERIES ISO-B INTERCHANGE (NIPPLE DUST CAP)**

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<tr>
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**H-SERIES ISO-B INTERCHANGE (COUPLER RIGID DUST PLUG)**

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**H-SERIES ISO-B INTERCHANGE (NIPPLE PROTECTIVE PRESSURE CAP)**

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**H-SERIES ISO-B STEEL MILL ‘SLIDE-GATE’ INTERCHANGE (COUPLER)**

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**SERIES ISO-B STEEL MILL ‘SLIDE-GATE’ INTERCHANGE (NIPPLE)**

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<td>H12OF12-S</td>
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</tr>
<tr>
<td>H12OF12-SS</td>
<td>1 1/2&quot;</td>
<td>1 1/2-12 ORB</td>
<td>316 SS</td>
</tr>
</tbody>
</table>
H-Series ISO-B Food Grade Couplings

- H-Series couplers and nipples are fully compliant with the parameters outlined in ISO7241 Series ‘B’
- Viton™ seals are FDA approved for Food Service applications, such as fryers and fryer-oil filtering equipment
- Large diameter flanged coupler sleeves will prevent damage when dropped and are easier to operate with gloves on
- Couplings of steel with nickel plating, 303SS and 316SS will fulfill the requirements of various food service applications

<table>
<thead>
<tr>
<th>PERFORMANCE ‘VALVED’</th>
<th>OPERATING bar (psi)</th>
<th>BURST bar (psi)</th>
<th>FLOW RATE ΔP=2 bar</th>
<th>LOCKING MECHANISM</th>
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<tbody>
<tr>
<td>1/2” Steel</td>
<td>293 (4,250)</td>
<td>1,172 (17,000)</td>
<td>76 LPM (20 GPM)</td>
<td>9 Balls</td>
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<tr>
<td>1/2” 303 SS</td>
<td>230 (3,333)</td>
<td>1,379 (20,000)</td>
<td>76 LPM (20 GPM)</td>
<td>9 Balls</td>
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<tr>
<td>1/2” 316 SS</td>
<td>213 (3,083)</td>
<td>1,276 (18,500)</td>
<td>76 LPM (20 GPM)</td>
<td>9 Balls</td>
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</table>

<table>
<thead>
<tr>
<th>INTERCHANGE STANDARDS</th>
<th>US MILITARY</th>
<th>INDUSTRY STANDARDS</th>
<th>INTERNATIONAL STANDARDS</th>
<th>ANSI/NFPA</th>
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<th>AEROQUIP</th>
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### H-SERIES ISO-B FOOD GRADE INTERCHANGE (SILICONE FLANGED COUPLER)

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<th>BODY MATERIAL</th>
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<tr>
<td>D-4HF4-S-FSB</td>
<td>1/2”</td>
<td>1/2”-14 NPTF</td>
<td>303 SS</td>
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<tr>
<td>D-4HF4-SS-FSB</td>
<td>1/2”</td>
<td>1/2”-14 NPTF</td>
<td>316 SS</td>
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### H-SERIES ISO-B FOOD GRADE INTERCHANGE (NYLON FLANGED COUPLER)

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</thead>
<tbody>
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<td>D-4HF4-S-FNS</td>
<td>1/2”</td>
<td>1/2”-14 NPTF</td>
<td>303 SS</td>
</tr>
<tr>
<td>D-4HF4-SS-FNS</td>
<td>1/2”</td>
<td>1/2”-14 NPTF</td>
<td>316 SS</td>
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### H-SERIES ISO-B FOOD GRADE INTERCHANGE (NIPPLE)

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<td>D-H4F4-SV-8</td>
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<td>1/2”-14 NPTF</td>
<td>Steel</td>
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<tr>
<td>D-H4F4-S</td>
<td>1/2”</td>
<td>1/2”-14 NPTF</td>
<td>303 SS</td>
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<td>D-H4F4-SS</td>
<td>1/2”</td>
<td>1/2”-14 NPTF</td>
<td>316 SS</td>
</tr>
</tbody>
</table>
Quick Release Couplings

HS-Series ISO-B Steam Interchange

- H-Series couplers and nipples are fully compliant with the parameters outlined in ISO7241 Series ‘B’
- Flanged sleeves are designed for ease of sleeve operation while wearing gloves during connection and disconnection
- EPDM steam body and valve seals are formulated to withstand continuous steam service
- Brass couplers have a redundant o-ring to maximise service life and provide additional sealing integrity

<table>
<thead>
<tr>
<th>PERFORMANCE SPECIFICATIONS</th>
<th>OPERATING bar (psi)</th>
<th>OPERATING °F (°C)</th>
<th>FLOW @P=0.4 bar (6.9 bar inlet)</th>
<th>LOCKING MECHANISM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>7 (100)</td>
<td>177° (350°)</td>
<td>49kg/hr (108lb/hr)</td>
<td>8 Balls</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>7 (100)</td>
<td>177° (350°)</td>
<td>112kg/hr (246lb/hr)</td>
<td>9 Balls</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>7 (100)</td>
<td>177° (350°)</td>
<td>166kg/hr (366lb/hr)</td>
<td>9 Balls</td>
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<tr>
<td>3/4&quot;</td>
<td>7 (100)</td>
<td>177° (350°)</td>
<td>313kg/hr (689lb/hr)</td>
<td>12 Balls</td>
</tr>
<tr>
<td>1&quot;</td>
<td>7 (100)</td>
<td>177° (350°)</td>
<td>540kg/hr (1190lb/hr)</td>
<td>12 Balls</td>
</tr>
</tbody>
</table>

Please Note (operating specifications): Operating pressure has been calculated using saturated steam at 170°C (338°F) for general purpose applications. Operating temperature is related to continuous steam service, with an intermittent maximum temperature of 204°C (400°F). For advanced operating pressure or super-heated steam specifications, contact the factory for further information.

<table>
<thead>
<tr>
<th>INTERCHANGE STANDARDS</th>
<th>US MILITARY</th>
<th>INDUSTRY STANDARDS</th>
<th>INTERNATIONAL STANDARDS</th>
<th>ANSI/NFPA</th>
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<tr>
<td>All Sizes</td>
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<table>
<thead>
<tr>
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<th>PARKER</th>
<th>HANSEN</th>
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<tbody>
<tr>
<td>All Sizes</td>
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H-SERIES ISO-B STEAM INTERCHANGE (COUPLER)

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<th>BODY MATERIAL</th>
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<tbody>
<tr>
<td>2HSF2-B</td>
<td>1/4&quot;</td>
<td>1/4&quot;-14 NPTF</td>
<td>Brass</td>
</tr>
<tr>
<td>2HSF2-S</td>
<td>1/4&quot;</td>
<td>1/4&quot;-14 NPTF</td>
<td>Brass</td>
</tr>
<tr>
<td>3HSF3-B</td>
<td>3/8&quot;</td>
<td>3/8&quot;-14 NPTF</td>
<td>Brass</td>
</tr>
<tr>
<td>3HSF3-S</td>
<td>3/8&quot;</td>
<td>3/8&quot;-14 NPTF</td>
<td>Brass</td>
</tr>
<tr>
<td>4HSF4-B</td>
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<td>1/2&quot;-14 NPTF</td>
<td>Brass</td>
</tr>
<tr>
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<td>1/2&quot;-14 NPTF</td>
<td>Brass</td>
</tr>
<tr>
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<td>3/4&quot;-14 NPTF</td>
<td>Brass</td>
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<td>Brass</td>
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<tr>
<td>8HSF8-B</td>
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<td>Brass</td>
</tr>
<tr>
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<td>1-11/2-14 NPTF</td>
<td>Brass</td>
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H-SERIES ISO-B STEAM INTERCHANGE (NIPPLE)

<table>
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<td>HS2F2-B</td>
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<td>1/4&quot;-14 NPTF</td>
<td>Steel</td>
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<tr>
<td>HS2F2-S</td>
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<td>1/4&quot;-14 NPTF</td>
<td>Steel</td>
</tr>
<tr>
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<td>Steel</td>
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<td>3/8&quot;-18 NPTF</td>
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</tr>
<tr>
<td>HS8F8</td>
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<td>HS8F8-B</td>
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</tr>
<tr>
<td>HS8F8-S</td>
<td>1&quot;</td>
<td>1&quot;-11/2-14 NPTF</td>
<td>Steel</td>
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</table>
Quick Release Couplings

K-Series ISO7241 Series “A” Interchange

Interchange Data:
- Interchangeable to ISO7241 Series ‘A’
- Parker 6600-Series, Aeroquip/Eaton FD56 (5600)
- Faster ANV, Hansen HA15000, Safeway SS6-Series, DNP-PAV 1 Series, Stucchi-BIR series

Materials:
- Machined components are manufactured using solid steel bar stock.
- Stainless steel balls, retaining rings, and springs maximize corrosion resistance and extend service life.
- Steel componentry is plated using ROHS Compliant Trivalent Chrome.
- Steel coupler sleeves are hardened to resist deformation and maximise service life.
- Steel nipples are hardened to provide heavy duty performance.

Seal Components:
- Nitrile (Buna-N) seals are standard, providing a temperature range of -40°C (-40°F) to +121°C (250°F).
- Couplers have a PTFE Anti-Extrusion ring.
- Valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurised connection.

<table>
<thead>
<tr>
<th>PERFORMANCE SPECIFICATIONS</th>
<th>OPERATING bar (psi)</th>
<th>COUPLED BURST bar (psi)</th>
<th>FLOW RATE ΔP=2 bar</th>
<th>LOCKING MECHANISM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” Steel</td>
<td>350 (5,075)</td>
<td>1,260 (18,270)</td>
<td>12 LPM (3.2 GPM)</td>
<td>6 Balls</td>
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<tr>
<td>5/32” Steel</td>
<td>300 (4,350)</td>
<td>1,260 (18,270)</td>
<td>26 LPM (7 GPM)</td>
<td>10 Balls</td>
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<tr>
<td>1/2” Steel</td>
<td>300 (4,350)</td>
<td>1,000 (14,500)</td>
<td>45 LPM (12 GPM)</td>
<td>12 Balls</td>
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<td>3/4” Steel</td>
<td>250 (3,625)</td>
<td>1,000 (14,500)</td>
<td>76 LPM (20 GPM)</td>
<td>12 Balls</td>
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<tr>
<td>1” Steel</td>
<td>207 (3,000)</td>
<td>800 (11,600)</td>
<td>151 LPM (40 GPM)</td>
<td>16 Balls</td>
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<tr>
<td>1 1/4” Steel</td>
<td>160 (2,320)</td>
<td>640 (9,280)</td>
<td>246 LPM (65 GPM)</td>
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<td>1 1/2” Steel</td>
<td>100 (1,450)</td>
<td>400 (5,800)</td>
<td>404 LPM (107 GPM)</td>
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<td>2” Steel</td>
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<td>473 LPM (125 GPM)</td>
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<td>15 Balls</td>
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INTERCHANGE STANDARDS | US MILITARY | INDUSTRY STANDARDS | INTERNATIONAL STANDARDS | ANSI/ NFPA |
<table>
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“K” SERIES INTERCHANGE | PARKER | AEROQUIP | FASTER | HOLMBURY |
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K-SERIES ISO-A INTERCHANGE (COUPLER DUST PLUG)

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## K-SERIES ISO-A INTERCHANGE (NIPPLE DUST CAP)

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## K-SERIES ISO-A INTERCHANGE (COUPLER)

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## K-SERIES ISO-A INTERCHANGE (NIPPLE)

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Quick Release Couplings

AG-Series Agricultural Interchange

- AG-Series couplers and nipples are compliant with the parameters outlined in ISO5675 (ISO7241-1 Series ‘A’ for the 1/2” size)
- Couplers have a high concentration of locking balls to reduce incidents of brinneling during operation
- Heavy duty knurled sleeves are designed to resist brinneling and maximise performance under impulse conditions
- AG-Series couplers and nipples are available with a ‘Ball’ style valve or a ‘Poppet’ style valve

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<tr>
<th>PERFORMANCE SPECIFICATIONS</th>
<th>OPERATING bar (psi)</th>
<th>MIN. BURST bar (psi)</th>
<th>FLOW RATE ΔP=2 bar</th>
<th>LOCKING MECHANISM</th>
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<td>1300 (18,850)</td>
<td>12 LPM (3.2 GPM)</td>
<td>10 Balls</td>
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<td>1/2”</td>
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<td>1160 (16,820)</td>
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<th>INDUSTRY STANDARDS</th>
<th>INTERNATIONAL STANDARDS</th>
<th>ANSI/NFPA</th>
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<th>TOMCO</th>
<th>SAFEWAY</th>
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AG-SERIES AGRICULTURAL INTERCHANGE (COUPLER DUST PLUG)

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AG-SERIES AGRICULTURAL INTERCHANGE (NIPPLE DUST CAP)

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Dixon carries two valve styles for the Agricultural coupling series, ‘Ball’ valve and ‘Poppet’ valve. The ‘Ball’ valve coupling has historically provided greater longevity while the ‘Poppet’ valve will improve flow while in operation.
Quick Release Couplings

TR-Series TEMA European Interchange

- High performance design is fully interchangeable with TEMA/Rectus T-Series Problem Solvers
- Plated Steel couplers have an integrated safety lock-ring as a standard feature
- Dual O-ring sealing system ensures optimum seal integrity for high pressure, low pressure, and vacuum applications
- Nipple design provides added seal integrity by capturing the O-ring during connection and optimising compression

<table>
<thead>
<tr>
<th>Performance Specifications</th>
<th>Operating bar (psi)</th>
<th>Min. Burst bar (psi)</th>
<th>Flow Rate ΔP=2 bar</th>
<th>Locking Mechanism</th>
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<tr>
<td>4TRBF4</td>
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<tr>
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<tr>
<td>6TRBF6</td>
</tr>
<tr>
<td>8TRF8</td>
</tr>
<tr>
<td>8TRBF8</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>TR-Series TEMA European Interchange (Nipple)</th>
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<tbody>
<tr>
<td>PART NO.</td>
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<tr>
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</tr>
<tr>
<td>TR3F3</td>
</tr>
<tr>
<td>TR3BF3</td>
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<tr>
<td>TR6BF6</td>
</tr>
<tr>
<td>TR8F8</td>
</tr>
<tr>
<td>TR8BF8</td>
</tr>
</tbody>
</table>
**Quick Release Couplings**

**VEP-Series Threaded Flushface**

- Threaded flushface design will overcome typical coupling issues such as brinelling, side-load and premature seal failure due to impulse and surge conditions.
- Ideally suited for applications with high pressure impulses and system spikes, such as hydraulic hammer attachments.
- Threaded sleeve allows connection against residual pressure.
- Flushface design will prevent the loss of fluid during disconnection and air inclusion during connection.
- Interchanges with Stucchi VEP Series.

Please note: Performance Data is for guidance only and is based upon lab tests and simulations. Subject to change.

---

**PERFORMANCE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>BODY SIZE</th>
<th>OPERATING bar (psi)</th>
<th>COUPLED BURST bar (psi)</th>
<th>FLOW RATE ΔP=1 bar</th>
<th>LOCKING MECHANISM</th>
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</thead>
<tbody>
<tr>
<td>1/4”</td>
<td>600 (8700)</td>
<td>1,510 (22,000)</td>
<td>21 LPM (5.5 GPM)</td>
<td>Threaded</td>
</tr>
<tr>
<td>3/8”</td>
<td>552 (8000)</td>
<td>1,510 (22,000)</td>
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<tr>
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<td>552 (8000)</td>
<td>1,510 (22,000)</td>
<td>91 LPM (24 GPM)</td>
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<td>1”</td>
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**VEP-SERIES THREADED FLUSHFACE INTERCHANGE (COUPLER)**

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<th>PART NO.</th>
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<td>Steel</td>
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<td>10VEPF10</td>
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<td>Steel</td>
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<td>12VEPF12</td>
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**VEP-SERIES THREADED FLUSHFACE INTERCHANGE (NIPPLE)**

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<th>BODY SIZE</th>
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<td>Steel</td>
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<td>VEP4F4</td>
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<tr>
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<td>VEP10BF10</td>
<td>1 1/4”</td>
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<td>VEP16F16</td>
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Quick Release Couplings

W Series Wing Style Interchange

• Threaded wing or hex sleeves enable easy connection and disconnection while under pressure
• O-ring “connected” marker is highly visible during connection and helps to keep contaminants out of the threads while connected
• Coupler has a high flow tubular valve that is designed to reduce pressure drop and turbulence, while improving flow performance
• Bulkhead mounting kits are available to secure the nipples for simplified connection and disconnection
• Flanged bonded seal prolongs coupling life while being integral in the reduction of spillage and air inclusion

<table>
<thead>
<tr>
<th>PERFORMANCE SPECIFICATIONS</th>
<th>OPERATING bar (psi)</th>
<th>MIN. BURST bar (psi)</th>
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<th>LOCKING MECHANISM</th>
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<tr>
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<td>207 (3,000)</td>
<td>621 (9,000)</td>
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<tr>
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<td>207 (3,000)</td>
<td>621 (9,000)</td>
<td>208 LPM (55 GPM)</td>
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<td>190 (2,750)</td>
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<td>303 LPM (80 GPM)</td>
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<tr>
<td>1 1/2”</td>
<td>172 (2,500)</td>
<td>517 (7,500)</td>
<td>416 LPM (110 GPM)</td>
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<table>
<thead>
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<th>AEROQUIP</th>
<th>SNAP-TITE</th>
<th>FASTER</th>
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<td>621 (9,000)</td>
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<td>1 1/2”</td>
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<tr>
<td>6WDP-B</td>
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<tr>
<td>8WDP-B</td>
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<tr>
<td>10WDP-B</td>
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<table>
<thead>
<tr>
<th>W- SERIES THREAD-TOGETHER INTERCHANGE (NIPPLE RIGID DUST CAP)</th>
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<tbody>
<tr>
<td>PART NO.</td>
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<tr>
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<tr>
<td>W6DC-B</td>
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<td>W8DC-B</td>
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<td>W10DC-B</td>
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<thead>
<tr>
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<tr>
<td>PART NO.</td>
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<tr>
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<tr>
<td>W6-BMF</td>
</tr>
<tr>
<td>W8-BMF</td>
</tr>
<tr>
<td>W10-BMF</td>
</tr>
<tr>
<td>W12-BMF</td>
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</table>
### W-SERIES THREAD-TOGETHER INTERCHANGE (WING-NUT COUPLER)

<table>
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<tr>
<th>PART NO.</th>
<th>BODY SIZE</th>
<th>THREAD SIZE</th>
<th>BODY MATERIAL</th>
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</thead>
<tbody>
<tr>
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<td>3/4&quot;</td>
<td>1/2&quot; BSPP</td>
<td>Brass</td>
</tr>
<tr>
<td>6WBF6-B</td>
<td>3/4&quot;</td>
<td>3/4&quot; BSPP</td>
<td>Brass</td>
</tr>
<tr>
<td>8WBF8-B</td>
<td>1&quot;</td>
<td>1&quot; BSPP</td>
<td>Brass</td>
</tr>
<tr>
<td>10WBF10-B</td>
<td>1 1/4&quot;</td>
<td>1 1/4&quot; BSPP</td>
<td>Brass</td>
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<tr>
<td>12WBF12-B</td>
<td>1 1/2&quot;</td>
<td>1 1/2&quot; BSPP</td>
<td>Brass</td>
</tr>
<tr>
<td>6WF4-B</td>
<td>3/4&quot;</td>
<td>1/2&quot; NPTF</td>
<td>Brass</td>
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<tr>
<td>6WF6-B</td>
<td>3/4&quot;</td>
<td>3/4&quot; NPTF</td>
<td>Brass</td>
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<tr>
<td>8WF8-B</td>
<td>1&quot;</td>
<td>1&quot; NPTF</td>
<td>Brass</td>
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<tr>
<td>10WF10-B</td>
<td>1 1/4&quot;</td>
<td>1 1/4&quot; NPTF</td>
<td>Brass</td>
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<tr>
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### W-SERIES THREAD-TOGETHER INTERCHANGE (HEX-NUT COUPLER)

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<td>6WBF6-B-HN</td>
<td>3/4&quot;</td>
<td>3/4&quot; BSPP</td>
<td>Brass</td>
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<tr>
<td>8WBF8-B-HN</td>
<td>1&quot;</td>
<td>1&quot; BSPP</td>
<td>Brass</td>
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<td>10WBF10-B-HN</td>
<td>1 1/4&quot;</td>
<td>1 1/4&quot; BSPP</td>
<td>Brass</td>
</tr>
<tr>
<td>12WBF12-B-HN</td>
<td>1 1/2&quot;</td>
<td>1 1/2&quot; BSPP</td>
<td>Brass</td>
</tr>
<tr>
<td>6WF4-B-HN</td>
<td>3/4&quot;</td>
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<td>Brass</td>
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<tr>
<td>6WF6-B-HN</td>
<td>3/4&quot;</td>
<td>3/4&quot; NPTF</td>
<td>Brass</td>
</tr>
<tr>
<td>8WF8-B-HN</td>
<td>1&quot;</td>
<td>1&quot; NPTF</td>
<td>Brass</td>
</tr>
<tr>
<td>10WF10-B-HN</td>
<td>1 1/4&quot;</td>
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<td>Brass</td>
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<tr>
<td>12WF12-B-HN</td>
<td>1 1/2&quot;</td>
<td>1 1/2&quot; NPTF</td>
<td>Brass</td>
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### W-SERIES THREAD-TOGETHER INTERCHANGE (NIPPLE)

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<td>W6BF6-B</td>
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<tr>
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<tr>
<td>W6F4-B</td>
<td>3/4&quot;</td>
<td>1/2&quot; NPTF</td>
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<tr>
<td>W6F6-B</td>
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<td>3/4&quot; NPTF</td>
<td>Brass</td>
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<tr>
<td>W8F8-B</td>
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<td>1 1/2&quot; NPTF</td>
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### W-SERIES THREAD-TOGETHER INTERCHANGE (NIPPLE WITH FLANGE)

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<tr>
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<tr>
<td>W6F6-B-BMF</td>
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<td>W8BF8-B-BMF</td>
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<td>G1&quot; BSPP</td>
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<td>G1 1/4&quot; BSPP</td>
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<td>1 1/2&quot;</td>
<td>G1 1/2&quot; BSPP</td>
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</table>
Quick Release Couplings

HT-Series ISO16028 Flushface Interchange

Interchange Data:
- Interchangeable to ISO 16028
- Parker FEM-Series, Snap-Tite 74-Series, Aeroquip/Eaton FD89, Safeway FF49-Series
- Hansen FF, Stucchi FIRG/FFI, Faster FFN/FFI, Cjen X65 Series, Holmbury Flat Face ISO 16028, Rectus/Tempa IF Series

Materials:
- Machined components are manufactured using solid steel or 316 stainless steel bar stock
- Stainless steel balls, retaining rings, and springs maximize corrosion resistance and extend service life
- Steel components are plated using ROHS compliant trivalent chrome
- Steel coupler sleeves are hardened to resist deformation and maximize service life
- Steel nipples are hardened to provide resistance to brinneling during impulse service

Seal Components:
- ¾” to ¼” nipples have moulded Polyurethane valve seals, with a temperature range of -54°C to +100°C (-65°F to +212°F)
- 1” nipples have nitrile-energised PTFE valve seals, with a temperature range of -40°C to +121°C (-40°F to +250°F)
- Couplers have a polyurethane valve stem O-Ring, with a temperature range of -54°C to +100°C (-65°F to +212°F)
- Ancillary coupler and nipple seals are Nitrile (Buna-N), temperature range of -40°C to +121°C (-40°F to +250°F)
- PTFE anti-extrusion ring protects main coupling valve seal from dynamic impulse pressure damage

<table>
<thead>
<tr>
<th>INTERCHANGE SPECIFICATIONS</th>
<th>US MILITARY</th>
<th>INDUSTRY STANDARDS</th>
<th>INTERNATIONAL STANDARDS</th>
<th>ANSI/ NFPA</th>
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<td>HTMA</td>
<td>ISO16028</td>
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<td>-</td>
<td>x</td>
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<td>-</td>
<td>x</td>
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These particular sizes are not outlined within the documented standard category.

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<tr>
<th>‘HT’ SERIES INTERCHANGE</th>
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<th>FASTER</th>
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<td>74 Series</td>
<td>FFN/2FFN/2FFI</td>
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<td>FF-Series</td>
<td>74 Series</td>
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**HT-SERIES ISO16028 FLUSHFACE INTERCHANGE (COUPLER DUST CAP)**

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Note: Fits Dixon/Perfecting couplers only

**HT-SERIES ISO16028 FLUSHFACE INTERCHANGE (NIPPLE DUST CAP)**

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Note: Fits all ISO 16018 nipples
Quick Release Couplings

**HT-SERIES ISO16028 FLUSHFACE INTERCHANGE (COUPLER)**

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**IMPORTANT**

Although a special lubricant is used to protect the flushface seals during pre-service storage, the seals are still vulnerable until they are exposed to the system fluid. It is recommended to lubricate the seals before the first connection by placing a drop of oil into the main valve grooves on the face of the nipple.
**Quick Release Couplings**

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**HT-SERIES ISO16028 FLUSHFACE INTERCHANGE (NIPPLE)**

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**IMPORTANT**

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Quick Release Couplings

ST-Series Snap-Tite ‘71’ Interchange

- Flush face design minimizes air inclusion during connection and fluid loss during disconnection
- Heavy duty grooved sleeves provide bulkhead mounting options and reduce instances of brinneling
- Designed to exceed 1,000,000 cycles during impulse pressure conditions
- ST-Series couplings comply with applicable Det Norske Veritas North Sea standards for coupling applications
- Available in a wide variety of materials, including high pressure stainless steel configurations upon request

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<td>12 Balls</td>
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<tr>
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<td>448 (6,500)</td>
<td>897 (13,000)</td>
<td>757 LPM (200 GPM)</td>
<td>12 Balls</td>
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<td>757 LPM (200 GPM)</td>
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Please note: Minimum burst pressure ratings were established under laboratory conditions using a Static Burst Unit (SBU). For high impulse applications and to meet Det Norske Veritas (DNV) compliance, the burst pressure must be divided by four (4) to ensure a 4:1 safety factor during system operation. For 316 Stainless Steel operating pressure multiply the operating pressures above by 0.60.

<table>
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<tr>
<th>INTERCHANGE GUIDE</th>
<th>SNAP-TITE 71-3</th>
<th>PCL 71FF</th>
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ST-SERIES SNAP-TITE ‘71’ INTERCHANGE (COUPLER RIGID DUST CAP)

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ST-SERIES SNAP-TITE ‘71’ INTERCHANGE (NIPPLE RIGID DUST CAP)

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<tr>
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<tr>
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(Female Thread)
### ST-SERIES SNAP-TITE ‘71 INTERCHANGE (NIPPLE)

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### ST-SERIES SNAP-TITE ‘71 OLD-STYLE’ INTERCHANGE (AUTOMATIC COUPLER)

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### ST-SERIES SNAP-TITE ‘71 OLD-STYLE’ INTERCHANGE (NIPPLE)

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</table>
WS-Series High Pressure Wing Style

- Sleeve is cast using a unique process that provides better surface finishes, tighter tolerance control and excellent repeatability
- Heavy duty hammer lugs are designed to provide optimum durability during connection and disconnection
- Seals are easily field replaceable, including the valve seal, which can be replaced without having to replace the entire valve
- WS-Series couplings comply with applicable Det Norske Veritas North Sea standards for coupling applications
- Unique ‘Initial-Thread’ profile will ensure nipple longevity in the toughest environments

<table>
<thead>
<tr>
<th>PERFORMANCE SPECIFICATIONS</th>
<th>OPERATING bar (psi)</th>
<th>COUPLED BURST bar (psi)</th>
<th>FLOW RATE ΔP=2 bar</th>
<th>LOCKING MECHANISM</th>
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Please Note: To calculate the working pressure of 316SS parts, multiply the above Operating Pressures by 0.35

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WS-SERIES HIGH PRESSURE WING STYLE (COUPLER RIGID DUST PLUG)

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<th>BODY MATERIAL</th>
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<tbody>
<tr>
<td>6WSDP-A</td>
<td>3/4&quot;</td>
<td>Steel chain</td>
<td>Aluminium</td>
</tr>
<tr>
<td>8WSDP-A</td>
<td>1&quot;</td>
<td>Steel chain</td>
<td>Aluminium</td>
</tr>
<tr>
<td>10WSDP-A</td>
<td>1 1/4&quot;</td>
<td>Steel chain</td>
<td>Aluminium</td>
</tr>
<tr>
<td>12WSDP-A</td>
<td>1 1/2&quot;</td>
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</tr>
<tr>
<td>16WSDP-A</td>
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WS-SERIES HIGH PRESSURE WING STYLE (NIPPLE RIGID DUST CAP)

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<tr>
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<td>WS10DC-A</td>
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<td>Aluminium</td>
</tr>
<tr>
<td>WS12DC-A</td>
<td>1 1/2&quot;</td>
<td>Steel chain</td>
<td>Aluminium</td>
</tr>
<tr>
<td>WS16DC-A</td>
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<td>Steel chain</td>
<td>Aluminium</td>
</tr>
</tbody>
</table>

Note: Wrench flats are not machined onto couplings. If you require wrench flats on couplings designate with a ‘-WF’ suffix, please contact Dixon.
## Quick Release Couplings

### WS-SERIES HIGH PRESSURE WING STYLE (COUPLER)

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<td>3/4&quot;-14 NPTF</td>
<td>316 SS</td>
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<tr>
<td>6wSBF6</td>
<td>3/4&quot;</td>
<td>G3/4&quot; BSPPP</td>
<td>Steel</td>
</tr>
<tr>
<td>8wSF8</td>
<td>1&quot;</td>
<td>1&quot;-111/2 NPTF</td>
<td>Steel</td>
</tr>
<tr>
<td>8wSF8-SS *</td>
<td>1&quot;</td>
<td>1&quot;-111/2 NPTF</td>
<td>316 SS</td>
</tr>
<tr>
<td>8wSBF8</td>
<td>1&quot;</td>
<td>G1&quot; BSPPP</td>
<td>Steel</td>
</tr>
<tr>
<td>10wSF10</td>
<td>11/4&quot;</td>
<td>11/4&quot;-111/2 NPTF</td>
<td>Steel</td>
</tr>
<tr>
<td>10wSF10-SS *</td>
<td>11/4&quot;</td>
<td>11/4&quot;-111/2 NPTF</td>
<td>316 SS</td>
</tr>
<tr>
<td>10wSBF10</td>
<td>11/4&quot;</td>
<td>G11/4&quot; BSPPP</td>
<td>Steel</td>
</tr>
<tr>
<td>12wSF12</td>
<td>11/2&quot;</td>
<td>11/2&quot;-111/2 NPTF</td>
<td>Steel</td>
</tr>
<tr>
<td>12wSF12-SS *</td>
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<td>11/2&quot;-111/2 NPTF</td>
<td>316 SS</td>
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<td>Steel</td>
</tr>
<tr>
<td>16wSF16</td>
<td>2&quot;</td>
<td>2&quot;-111/2 NPTF</td>
<td>Steel</td>
</tr>
<tr>
<td>16wSF16-SS *</td>
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<td>2&quot;-111/2 NPTF</td>
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<tr>
<td>16wSBF16</td>
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<td>G2&quot; BSPP</td>
<td>Steel</td>
</tr>
</tbody>
</table>

*Wrench flats are pictured, non-flat fittings are standard.*

Please note: The Connection View-Port Coupler has two View-Ports drilled 180° apart to provide a visual confirmation of complete connection.

* Standard deliveries, contact factory for details.

### WS-SERIES HIGH PRESSURE WING STYLE (NIPPLE)

<table>
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<td>WS6BF6</td>
<td>3/4&quot;</td>
<td>G9/4&quot; BSPPP</td>
<td>Steel</td>
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<td>WS8F8</td>
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<tr>
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<td>G1&quot; BSPPP</td>
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<td>WS10F10</td>
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<td>Steel</td>
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<tr>
<td>WS10F10-SS *</td>
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<td>WS10BF10</td>
<td>11/4&quot;</td>
<td>G11/4&quot; BSPPP</td>
<td>Steel</td>
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<tr>
<td>WS12F12</td>
<td>11/2&quot;</td>
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<tr>
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<tr>
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<td>G11/2&quot; BSPPP</td>
<td>Steel</td>
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<tr>
<td>WS16F16</td>
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<tr>
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<td>G2&quot; BSPP</td>
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*Wrench flats are pictured, non-flat fittings are standard.*

### WS-SERIES HIGH PRESSURE WING STYLE (VIEW-PORT COUPLER)

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<td>Steel</td>
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<tr>
<td>6wSF6-SS-VP *</td>
<td>3/4&quot;</td>
<td>3/4&quot;-14 NPTF</td>
<td>316 SS</td>
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<tr>
<td>6wSBF6-VP</td>
<td>3/4&quot;</td>
<td>G3/4&quot; BSPPP</td>
<td>Steel</td>
</tr>
<tr>
<td>8wSF8-VP</td>
<td>1&quot;</td>
<td>1&quot;-111/2 NPTF</td>
<td>Steel</td>
</tr>
<tr>
<td>8wSF8-SS-VP *</td>
<td>1&quot;</td>
<td>1&quot;-111/2 NPTF</td>
<td>316 SS</td>
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<tr>
<td>8wSBF8-VP</td>
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<tr>
<td>10wSF10-VP</td>
<td>11/4&quot;</td>
<td>11/4&quot;-111/2 NPTF</td>
<td>Steel</td>
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<tr>
<td>10wSF10-SS-VP *</td>
<td>11/4&quot;</td>
<td>11/4&quot;-111/2 NPTF</td>
<td>316 SS</td>
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<td>10wSBF10-VP</td>
<td>11/4&quot;</td>
<td>G11/4&quot; BSPPP</td>
<td>Steel</td>
</tr>
<tr>
<td>12wSF12-VP</td>
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<td>11/2&quot;-111/2 NPTF</td>
<td>Steel</td>
</tr>
<tr>
<td>12wSF12-SS-VP *</td>
<td>11/2&quot;</td>
<td>11/2&quot;-111/2 NPTF</td>
<td>316 SS</td>
</tr>
<tr>
<td>12wSBF12-VP</td>
<td>11/2&quot;</td>
<td>G11/2&quot; BSPPP</td>
<td>Steel</td>
</tr>
<tr>
<td>16wSF16-VP</td>
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<td>2&quot;-111/2 NPTF</td>
<td>Steel</td>
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<tr>
<td>16wSF16-SS-VP *</td>
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<td>2&quot;-111/2 NPTF</td>
<td>316 SS</td>
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<tr>
<td>16wSBF16-VP</td>
<td>2&quot;</td>
<td>G2&quot; BSPP</td>
<td>Steel</td>
</tr>
</tbody>
</table>

*Wrench flats are pictured, non-flat fittings are standard.*

*Standard deliveries, contact factory for details.*
WS-Series Blowout Prevention Safety Coupling

- Fire tested and Lloyd's certified to 700°C (1300°F) in accordance with API 16D (Certificate #NAO 0601041/1)
  
  This certificate applies to the 1" size only. During the certification for the 1" size, Dixon was advised by Lloyds during the process that the 1" size would set the precedence for the rest of the series and sizes. Dixon confirm that all other sizes of WS-Series BOP Couplings (3/4", 1-1/4", 1-1/2", 2") are manufactured to the same quality and standard as the 1". Copies of this certification are available.

- Designed for hazardous area service where couplings are required to operate under fire conditions in an emergency

- Sleeve is cast using a unique process that provides better surface finishes, tighter tolerance control, and excellent repeatability

- Blowout Prevention Couplings are individually marked with the BOP series designation and manufacturing date code

Please Note: To calculate the working pressure of 316SS parts, multiply the above Operating Pressures by 0.35

* Stainless Steel models have an extended lead time as they are built-on-demand. Contact factory for details.

<table>
<thead>
<tr>
<th>PERFORMANCE SPECIFICATIONS</th>
<th>OPERATING PRESSURE bar (psi)</th>
<th>COUPLED BURST PRESSURE bar (psi)</th>
<th>FLOW RATE for ΔP=2 bar</th>
<th>LOCKING MECHANISM</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot; Steel</td>
<td>345 (5,000)</td>
<td>1,380 (20,000)</td>
<td>157 LPM (40 GPM)</td>
<td>Threaded</td>
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<tr>
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<td>345 (5,000)</td>
<td>1,380 (20,000)</td>
<td>227 LPM (60 GPM)</td>
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<td>1,035 (15,000)</td>
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<td>345 (5,000)</td>
<td>1,035 (15,000)</td>
<td>908 LPM (240 GPM)</td>
<td>Threaded</td>
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</table>

Please Note: To calculate the working pressure of 316SS parts, multiply the above Operating Pressures by 0.35

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**WS-SERIES BLOWOUT PREVENTION SAFETY COUPLING (COUPLER)**

<table>
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<tr>
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<tr>
<td>6WFS6-SS-BOP *</td>
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<td>3/4&quot;-14 NPTF</td>
<td>316 SS</td>
</tr>
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<td>6WSBF6-BOP</td>
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<td>G3/4&quot; BSPP</td>
<td>Steel</td>
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<tr>
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<td>1&quot;-11 1/2 NPTF</td>
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</tr>
<tr>
<td>8WFS6-SS-BOP *</td>
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<td>1&quot;-11 1/2 NPTF</td>
<td>316 SS</td>
</tr>
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<td>8WSBF8-BOP</td>
<td>1&quot;</td>
<td>G1&quot; BSPP</td>
<td>Steel</td>
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<tr>
<td>10WSF10-BOP</td>
<td>1-1/4&quot;</td>
<td>1-1/4&quot;-11 1/2 NPTF</td>
<td>316 SS</td>
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<td>10WFS10-SS-BOP *</td>
<td>1-1/4&quot;</td>
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<td>316 SS</td>
</tr>
<tr>
<td>10WSBF10-BOP</td>
<td>1-1/2&quot;</td>
<td>G1-1/2&quot; BSPP</td>
<td>Steel</td>
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<tr>
<td>12WFS12-BOP</td>
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<td>316 SS</td>
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<td>12WFS12-SS-BOP *</td>
<td>1-1/2&quot;</td>
<td>1-1/2&quot;-11 1/2 NPTF</td>
<td>316 SS</td>
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<tr>
<td>16WSF16-BOP</td>
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<td>G2&quot; BSPP</td>
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**WS-SERIES BLOWOUT PREVENTION SAFETY COUPLING (NIPPLE)**

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<tr>
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<tr>
<td>WS6F6-SS-BOP *</td>
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<td>WS6BF6-BOP</td>
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<td>G3/4&quot; BSPP</td>
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<tr>
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<tr>
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<td>316 SS</td>
</tr>
<tr>
<td>WSBF8-BOP</td>
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<td>G1&quot; BSPP</td>
<td>Steel</td>
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<tr>
<td>WS10F10-BOP</td>
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<td>1-1/4&quot;-11 1/2 NPTF</td>
<td>Steel</td>
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<tr>
<td>WS10F10-SS-BOP *</td>
<td>1-1/4&quot;</td>
<td>1-1/4&quot;-11 1/2 NPTF</td>
<td>316 SS</td>
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<tr>
<td>WS10BF10-BOP</td>
<td>1-1/2&quot;</td>
<td>G1-1/2&quot; BSPP</td>
<td>Steel</td>
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<tr>
<td>WS12F12-BOP</td>
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<td>316 SS</td>
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<td>WS12F12-SS-BOP *</td>
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<td>G2&quot; BSPP</td>
<td>Steel</td>
</tr>
</tbody>
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* Stainless Steel models have an extended lead time as they are built-on-demand. Contact factory for details.
**Quick Release Couplings**

**PD-Series ISO15171-1 Diagnostic Interchange**

- Couplings provide no-spill connection/disconnection for pressure diagnostic applications
- PD-Series couplers and nipples are fully compliant with the parameters outlined in ISO15171-1
- Couplers have an automatic push-to-connect sleeve for easy connection and disconnection
- Plated steel construction provides optimum corrosion resistance

<table>
<thead>
<tr>
<th>PERFORMANCE SPECIFICATIONS</th>
<th>OPERATING bar (psi)</th>
<th>COUPLED BURST bar (psi)</th>
<th>FLOW RATE ∆P=5 bar</th>
<th>LOCKING MECHANISM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot; Steel</td>
<td>414 (6,000)</td>
<td>1,655 (24,000)</td>
<td>3 LPM (0.80 GPM)</td>
<td>10 Balls</td>
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<table>
<thead>
<tr>
<th>‘PD’ SERIES INTERCHANGE</th>
<th>PARKER</th>
<th>AEROQUIP</th>
<th>TOMCO</th>
<th>FASTER</th>
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<tbody>
<tr>
<td>1/8&quot; Steel</td>
<td>PD-Series</td>
<td>FD90</td>
<td>Series DK</td>
<td>Series DF</td>
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### PD-SERIES ISO15171-1 DIAGNOSTIC INTERCHANGE (COUPLER)

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<td>1PDF2</td>
<td>1/8&quot;</td>
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### PD-SERIES ISO15171-1 DIAGNOSTIC INTERCHANGE (NIPPLE)

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### PD-SERIES ISO15171-1 DIAGNOSTIC INTERCHANGE (COUPLER)

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### PD-SERIES ISO15171-1 DIAGNOSTIC INTERCHANGE (NIPPLE)

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Quick Release Couplings

V Series: Snap-Tite H/IH Interchange

- V-Series couplers and nipples are fully interchangeable to the parameters outlined in MIL-C-5123
- Couplers have a high concentration of locking balls to reduce incidents of brinneling during operation
- Large diameter heavy duty knurled sleeves are designed to resist brinneling and maximise performance under impulse conditions
- Available in single shut-off, double shut-off, or straight through configurations with a wide selection of end connections

**PERFORMANCE ‘UNVALVED’**

<table>
<thead>
<tr>
<th>Size</th>
<th>Performance</th>
<th>Operating bar (psi)</th>
<th>Burst bar (psi)</th>
<th>Flow Rate △P=2 bar</th>
<th>Locking Mechanism</th>
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<td>1/4&quot; Steel</td>
<td>448 (6,500)</td>
<td>759 (11,000)</td>
<td>17 LPM (4.5 GPM)</td>
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<tr>
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<tr>
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<td>759 (11,000)</td>
<td>64 LPM (17 GPM)</td>
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<tr>
<td>1/4&quot; IH</td>
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<td>345 (5,000)</td>
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<td>3/4&quot; Brass</td>
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<tr>
<td>1&quot; Brass</td>
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<td>55 (750)</td>
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<td>210 (3,000)</td>
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<td>70 (1,000)</td>
<td>738 LPM (195 GPM)</td>
<td>12 Balls</td>
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Please note: Minimum burst pressure ratings were established under laboratory conditions using a Static Burst Unit (SBU). For high impulse applications and to meet Det Norske Veritas (DNV) compliance, the operating pressure must be divided by two (2) to ensure a 4:1 safety factor during system operation.

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<th>US MILITARY</th>
<th>INDUSTRY STANDARDS</th>
<th>INTERNATIONAL STANDARDS</th>
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<th>PCI</th>
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### V-Series Snap-Tite 'H' Interchange (Valved Coupler)

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### V-Series Snap-Tite ‘H’ Interchange (Valved Nipple)

<table>
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<th>THREAD SIZE</th>
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# Quick Release Couplings

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*(Female Thread)*

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**V-SERIES SNAP-TITE ‘H’ INTERCHANGE (COUPLER RIGID DUST PLUG)**

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## Quick Release Couplings

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<td>V16BF16-E</td>
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<td>G2&quot; BSPP</td>
<td>Steel</td>
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<tr>
<td>V16BF16-B-E</td>
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<td>G2&quot; BSPP</td>
<td>Brass</td>
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<tr>
<td>V16BF16-SS-E</td>
<td>2&quot;</td>
<td>G2&quot; BSPP</td>
<td>316 SS</td>
</tr>
</tbody>
</table>

### V-Series Snap-Tite ‘H’ Interchange (Unvalved Nipple)

<table>
<thead>
<tr>
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<th>THREAD SIZE</th>
<th>BODY MATERIAL</th>
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<tbody>
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</tr>
<tr>
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<td>1/4&quot;</td>
<td>1/4&quot;-18 NPTF</td>
<td>Brass</td>
</tr>
<tr>
<td>V2M2-SS-E</td>
<td>1/4&quot;</td>
<td>1/4&quot;-18 NPTF</td>
<td>316 SS</td>
</tr>
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<td>V3M3-E</td>
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<td>Steel</td>
</tr>
<tr>
<td>V3M3-B-E</td>
<td>3/8&quot;</td>
<td>3/8&quot;-18 NPTF</td>
<td>Brass</td>
</tr>
<tr>
<td>V3M3-SS-E</td>
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<td>3/8&quot;-18 NPTF</td>
<td>316 SS</td>
</tr>
<tr>
<td>V4M4-E</td>
<td>1/2&quot;</td>
<td>1/2&quot;-14 NPTF</td>
<td>Steel</td>
</tr>
<tr>
<td>V4M4-B-E</td>
<td>1/2&quot;</td>
<td>1/2&quot;-14 NPTF</td>
<td>Brass</td>
</tr>
<tr>
<td>V4M4-SS-E</td>
<td>1/2&quot;</td>
<td>1/2&quot;-14 NPTF</td>
<td>316 SS</td>
</tr>
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<td>316 SS</td>
</tr>
<tr>
<td>V8M8-E</td>
<td>1&quot;</td>
<td>1&quot;-111/2 NPTF</td>
<td>Steel</td>
</tr>
<tr>
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<td>1&quot;-111/2 NPTF</td>
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</tr>
<tr>
<td>V8M8-SS-E</td>
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<tr>
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<td>V16M16-E</td>
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<td>V16M16-SS-E</td>
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<td>2&quot;-111/2 NPTF</td>
<td>316 SS</td>
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</table>
Quick Release Couplings

T-Series High Pressure Screw-Together

- Threaded sleeve allows connection and disconnection while coupler and/or nipple are under pressure
- Urethane seal resists extrusion under high pressure during connection and disconnection

<table>
<thead>
<tr>
<th>PERFORMANCE SPECIFICATIONS</th>
<th>OPERATING bar (psi)</th>
<th>MIN. BURST bar (psi)</th>
<th>FLOW RATE ΔP=3 bar</th>
<th>LOCKING MECHANISM</th>
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<td>1/4&quot;</td>
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<td>2,069 (30,000)</td>
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Please Note: Divide Minimum Burst Pressure by four (4) for dynamic applications.

### T-SERIES ENERPAC INTERCHANGE (COUPLER)

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<th>PART NO.</th>
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<td>R1/4&quot; BSPT</td>
<td>Steel</td>
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<td>3TM3</td>
<td>3/8&quot;</td>
<td>3/8&quot;-18 NPTF</td>
<td>Steel</td>
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<tr>
<td>3TM3-SS</td>
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### T-SERIES ENERPAC INTERCHANGE (COUPLER)

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### T-SERIES ENERPAC INTERCHANGE (NIPPLE)

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<td>T2BF2</td>
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<td>G1/4&quot; BSPP</td>
<td>Steel</td>
</tr>
<tr>
<td>T3F3</td>
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<td>Steel</td>
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### T-SERIES ENERPAC INTERCHANGE (COUPLER DUST PLUG)

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<th>CAP LANYARD</th>
<th>BODY MATERIAL</th>
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<tbody>
<tr>
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<td>1/4&quot;</td>
<td>Elastomer</td>
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<tr>
<td>3TDP</td>
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<td>Elastomer</td>
<td>Steel</td>
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### T-SERIES ENERPAC INTERCHANGE (NIPPLE DUST CAP)

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<th>BODY MATERIAL</th>
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<tbody>
<tr>
<td>T2DC</td>
<td>1/4&quot;</td>
<td>Chain</td>
<td>Steel</td>
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<tr>
<td>T3DC</td>
<td>3/8&quot;</td>
<td>Chain</td>
<td>Steel</td>
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</tbody>
</table>
CVV-Series European Screw-Together Interchange

- Threaded sleeves enable easy connection and disconnection while system is under pressure
- O-ring “Connected” marker is highly visible during connection and helps to keep contaminants out of the threads while connected
- Unique thread profile ensures smooth connection and industry-wide interchangeability
- Highly versatile design is ideally suited for hydraulic systems experiencing pressure spikes or impulses
- Corrosion resistant high strength components maximise service life in a variety of applications

<table>
<thead>
<tr>
<th>PERFORMANCE SPECIFICATIONS</th>
<th>OPERATING bar (psi)</th>
<th>COUPLED BURST bar (psi)</th>
<th>FLOW RATE ΔP=1 bar</th>
<th>LOCKING MECHANISM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; Steel</td>
<td>400 (5,800)</td>
<td>1,260 (18,270)</td>
<td>189 LPM (13 GPM)</td>
<td>Threaded</td>
</tr>
<tr>
<td>3/4&quot; Steel</td>
<td>400 (5,800)</td>
<td>1,200 (17,400)</td>
<td>102 LPM (27 GPM)</td>
<td>Threaded</td>
</tr>
<tr>
<td>1&quot; Steel</td>
<td>330 (4,785)</td>
<td>1,000 (14,500)</td>
<td>159 LPM (42 GPM)</td>
<td>Threaded</td>
</tr>
<tr>
<td>1 1/4&quot; Steel</td>
<td>300 (4,350)</td>
<td>1,000 (14,500)</td>
<td>305 LPM (81 GPM)</td>
<td>Threaded</td>
</tr>
<tr>
<td>1 1/2&quot; Steel</td>
<td>365 (5,295)</td>
<td>1,100 (15,950)</td>
<td>450 LPM (119 GPM)</td>
<td>Threaded</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>‘CVV’ SERIES INTERCHANGE</th>
<th>FASTER</th>
<th>DNP</th>
<th>ARGUS</th>
<th>VOSWINKEL</th>
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<td>1/2&quot;</td>
<td>CVV-Series</td>
<td>PVV3</td>
<td>Kupplengen</td>
<td>Type HS</td>
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<td>3/4&quot;</td>
<td>CVV-Series</td>
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<td>Type HS</td>
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<td>1 1/4&quot;</td>
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<td>PVV3</td>
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<td>Type HS</td>
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<td>1 1/2&quot;</td>
<td>CVV-Series</td>
<td>PVV3</td>
<td>Kupplengen</td>
<td>Type HS</td>
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**CVV-SERIES EUROPEAN SCREW-TOGETHER INTERCHANGE (COUPLER)**

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<tbody>
<tr>
<td>4CVVF4</td>
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<tr>
<td>4CVVB4F4</td>
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<td>3/4&quot;-14 NPTF</td>
<td>Steel</td>
</tr>
<tr>
<td>6CVVF6</td>
<td>1&quot;</td>
<td>1-11/2 NPTF</td>
<td>Steel</td>
</tr>
<tr>
<td>6CVVB66</td>
<td>1 1/4&quot;</td>
<td>1 1/4&quot;-11/2 NPTF</td>
<td>Steel</td>
</tr>
</tbody>
</table>
E-Series Straight-Through Interchange

- Smooth bore full-flow design ensures maximum flow with minimal pressure drop
- Straight-through interchange nipples are available in Brass, Steel, and 303 stainless Steel
- 1¼” to 2” sleeves are plated Steel to minimise incidents of brinelling during impulse service
- Ideally suited for pressure wash equipment, steam cleaning machines, and mould coolant lines
- Corrosion resistant components maximise service life in a variety of applications

<table>
<thead>
<tr>
<th>PERFORMANCE SPECIFICATIONS</th>
<th>OPERATING bar (psi)</th>
<th>COUPLED BURST bar (psi)</th>
<th>FLOW RATE ΔP=1 bar</th>
<th>LOCKING MECHANISM</th>
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</thead>
<tbody>
<tr>
<td>⅛” Steel</td>
<td>234 (3,400)</td>
<td>938 (13,600)</td>
<td>15 LPM (4 GPM)</td>
<td>8 Balls</td>
</tr>
<tr>
<td>¼” Steel</td>
<td>379 (5,500)</td>
<td>1,344 (19,500)</td>
<td>30 LPM (8 GPM)</td>
<td>8 Balls</td>
</tr>
<tr>
<td>⅜” Steel</td>
<td>290 (4,200)</td>
<td>1,296 (18,800)</td>
<td>83 LPM (22 GPM)</td>
<td>8 Balls</td>
</tr>
<tr>
<td>½” Steel</td>
<td>241 (3,500)</td>
<td>1,097 (15,900)</td>
<td>125 LPM (33 GPM)</td>
<td>8 Balls</td>
</tr>
<tr>
<td>¾” Steel</td>
<td>186 (2,700)</td>
<td>952 (13,800)</td>
<td>265 LPM (70 GPM)</td>
<td>8 Balls</td>
</tr>
<tr>
<td>1” Steel</td>
<td>138 (2,000)</td>
<td>724 (10,500)</td>
<td>303 LPM (80 GPM)</td>
<td>8 Balls</td>
</tr>
<tr>
<td>1¼” Steel</td>
<td>186 (2,700)</td>
<td>979 (14,200)</td>
<td>473 LPM (125 GPM)</td>
<td>8 Balls</td>
</tr>
<tr>
<td>1½” Steel</td>
<td>152 (2,200)</td>
<td>1,000 (14,500)</td>
<td>568 LPM (150 GPM)</td>
<td>8 Balls</td>
</tr>
<tr>
<td>2” Steel</td>
<td>152 (2,200)</td>
<td>883 (12,800)</td>
<td>696 LPM (184 GPM)</td>
<td>8 Balls</td>
</tr>
<tr>
<td>⅛” Brass</td>
<td>193 (2,800)</td>
<td>793 (11,500)</td>
<td>15 LPM (4 GPM)</td>
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<tr>
<td>¼” Brass</td>
<td>359 (5,200)</td>
<td>1,137 (16,500)</td>
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<tr>
<td>⅜” Brass</td>
<td>193 (2,800)</td>
<td>1,097 (15,900)</td>
<td>83 LPM (22 GPM)</td>
<td>8 Balls</td>
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<tr>
<td>½” Brass</td>
<td>152 (2,200)</td>
<td>986 (14,300)</td>
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<tr>
<td>¾” Brass</td>
<td>117 (1,700)</td>
<td>855 (12,400)</td>
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<tr>
<td>1” Brass</td>
<td>117 (1,700)</td>
<td>655 (9,500)</td>
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<td>8 Balls</td>
</tr>
<tr>
<td>1¼” Brass</td>
<td>117 (1,700)</td>
<td>724 (10,500)</td>
<td>473 LPM (125 GPM)</td>
<td>8 Balls</td>
</tr>
<tr>
<td>1½” Brass</td>
<td>97 (1,400)</td>
<td>593 (8,600)</td>
<td>568 LPM (150 GPM)</td>
<td>8 Balls</td>
</tr>
<tr>
<td>2” Brass</td>
<td>97 (1,400)</td>
<td>593 (8,600)</td>
<td>696 LPM (184 GPM)</td>
<td>8 Balls</td>
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<tr>
<td>⅛” 303 SS</td>
<td>234 (3,400)</td>
<td>938 (13,600)</td>
<td>15 LPM (4 GPM)</td>
<td>8 Balls</td>
</tr>
<tr>
<td>¼” 303 SS</td>
<td>379 (5,500)</td>
<td>1,344 (19,500)</td>
<td>30 LPM (8 GPM)</td>
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<td>290 (4,200)</td>
<td>1,296 (18,800)</td>
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<td>883 (12,800)</td>
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<td>8 Balls</td>
</tr>
</tbody>
</table>

* Steel performance specifications are as a result of using a steel plug with a Brass coupler.

** Brass performance specifications are as a result of using a Brass plug with a Brass coupler.

*** 303SS working pressure is as a result of using a 303SS plug with a 303SS coupler.

Please Note: Operating pressures for the E-Series couplings utilising hose barb end connections may be dramatically reduced to that of the hose rating and/or hose and end connection combination. Consult hose manufacturer’s catalogue for hose end connection ratings. If in doubt, test under controlled conditions for suitability to application. Dixon Quick Coupling cannot assume liability for misapplication of products resulting in equipment down-time, lost production, property damage and/or personal injury including death.

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<th>TOMCO</th>
<th>HANSEN</th>
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<td>Series ST</td>
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<td>ST-Series</td>
<td>FST-Series</td>
<td>Series ST</td>
<td>Series ST</td>
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<tr>
<td>⅜”</td>
<td>ST-Series</td>
<td>FST-Series</td>
<td>Series ST</td>
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<td>FST-Series</td>
<td>Series ST</td>
<td>Series ST</td>
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<tr>
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<td>ST-Series</td>
<td>FST-Series</td>
<td>Series ST</td>
<td>Series ST</td>
</tr>
<tr>
<td>2”</td>
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** HanSen Series ST
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** Foster Series ST
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** ParKeR Series ST
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** TomCo Series ST
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** HanSen Series ST
### E-SERIES STRAIGHT-THROUGH INTERCHANGE (COUPLER)

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EA-Series Water-Blast Interchange

- ‘Maxi-Latch’ retention system maximises nipple retention while reducing incidents of brinneling
- Nipple mounted sleeve guard protects against accidental disconnection
- Smooth bore full-flow design ensures maximum flow with minimal pressure drop
- Heavy duty knurled sleeves with locking pin provide maximum protection against brinneling and accidental disconnection
- Steel body components maximise service life by resisting the effects of brinneling and internal erosion

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<th>MIN. BURST bar (psi)</th>
<th>FLOW RATE ΔP=1 bar</th>
<th>LOCKING MECHANISM</th>
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**EA-SERIES WATER-BLAST INTERCHANGE (COUPLER)**

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**EA-SERIES WATER-BLAST INTERCHANGE (NIPPLE)**

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CM-Series Mould Coolant Interchange

- Non-Valved straight-through couplers are available to maximise flow performance
- Valved couplers provide automatic shut-off upon disconnection to avoid fluid loss while hoses are not coupled
- Silicone sealing gaskets are standard and will optimise performance in coolant applications. Range: -68°C to +205°C (-90°F to +400°F)
- Wide variety of sizes and end configurations ensures versatility in a wide variety of applications
- Highly durable and corrosion resistant materials will optimise longevity and improve performance

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<th>BURST bar (psi)</th>
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<td>14 (200)</td>
<td>69 (1,000)</td>
<td>23 LPM (6 GPM)</td>
<td>13 LPM (3.5 GPM)</td>
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<tr>
<td>3/8”</td>
<td>14 (200)</td>
<td>69 (1,000)</td>
<td>50 LPM (13 GPM)</td>
<td>26 LPM (7 GPM)</td>
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<tr>
<td>1/2”</td>
<td>14 (200)</td>
<td>69 (1,000)</td>
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<th>TOMCO</th>
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<td>Flo-Temp</td>
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### CM-SERIES INDUSTRIAL MOULD INTERCHANGE (NIPPLE)

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<td>CM2F2</td>
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<td>CM2F3</td>
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<td>Steel</td>
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<tr>
<td>CM2F3-B</td>
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<td>CM2F4</td>
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<td>CM3F2</td>
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<tr>
<td>CM3F3</td>
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<td>CM3F3-B</td>
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<td>3/4”-14 NPT</td>
<td>Brass</td>
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</table>
Counterbored mould ports will protect the male threaded nipple, allowing the nipple to be mounted below the surface, simplifying storing and handling of moulds. Perfecting male threaded plugs are constructed of corrosion resistant Brass to maximise longevity in moist environments.

**Quick Release Couplings**

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<th>PART NO.</th>
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<th>DIMENSION 'B'</th>
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<td>17.5mm (0.69&quot;)</td>
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<td>21.3mm (0.84&quot;)</td>
<td>23.9mm (0.94&quot;)</td>
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<tr>
<td>CM3M2-B</td>
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<td>23.9mm (0.94&quot;)</td>
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<tr>
<td>CM3M4-B</td>
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<td>1/2&quot;-14 NPT</td>
<td>21.3mm (0.84&quot;)</td>
<td>28.7mm (1.13&quot;)</td>
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<td>38.1mm (1.50&quot;)</td>
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<td>38.1mm (1.50&quot;)</td>
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**CM-SERIES INDUSTRIAL MOULD INTERCHANGE (UNVALVED COUPLER)**

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<tr>
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**CM-SERIES INDUSTRIAL MOULD INTERCHANGE (UNVALVED 45º COUPLER)**

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# Quick Release Couplings

## CM-SERIES INDUSTRIAL MOULD INTERCHANGE (UNVALVED 90º COUPLER)

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## CM-SERIES INDUSTRIAL MOULD INTERCHANGE (VALVED 90º COUPLER)

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## CM-SERIES INDUSTRIAL MOULD INTERCHANGE (VALVED COUPLER)

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## CM-SERIES INDUSTRIAL MOULD INTERCHANGE (VALVED 45º COUPLER)

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## CM-SERIES INDUSTRIAL MOULD INTERCHANGE (VALVED 45º COUPLER)

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DF-Series Industrial Interchange

- D-Series couplers provide convenient automatic one-handed connection and safe disconnection
- All couplers have a high concentration of locking balls to reduce incidents of brinelling during operation
- D-Series couplers have a reverse-acting sleeve to prevent accidental disconnection and prevent whip during disconnection.
- F-Series couplers have a sleeve-guard ‘Lip’ to reduce the risk of accidental disconnection while in service
- F-Series couplers, D-Series couplers and DF-Series nipples are available in a variety of material configurations

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<th>PERFORMANCE SPECIFICATIONS</th>
<th>OPERATING BAR (psi)</th>
<th>MIN. BURST BAR (psi)</th>
<th>FLOW RATE ΔP=1 BAR</th>
<th>LOCKING MECHANISM</th>
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<td>69 (1,000)</td>
<td>310 (4,500)</td>
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<td>69 (1,000)</td>
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<td>70 CFM</td>
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x These particular sizes are not outlined within the documented standard category.

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<th>RECTUS</th>
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### D-SERIES INDUSTRIAL INTERCHANGE (AUTOMATIC SAFETY COUPLER)

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## F-SERIES INDUSTRIAL INTERCHANGE (MANUAL COUPLER)

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**Quick Release Couplings**

(Male Thread)
# Quick Release Couplings

## DF-SERIES INDUSTRIAL INTERCHANGE (NIPPLE)

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## D-SERIES INDUSTRIAL INTERCHANGE (AUTOMATIC SAFETY COUPLER)

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## F-SERIES INDUSTRIAL INTERCHANGE (MANUAL COUPLER)

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## DF-SERIES INDUSTRIAL INTERCHANGE (NIPPLE)

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**Quick Release Couplings**

**BR-Series Rectus ‘21’ Interchange**

- High concentration of balls reduces incidents of brinneling during operation
- Couplers and nipples are constructed of plated brass to maximise corrosion resistance
- Coupler valve has been designed to work with valved and/or unvalved nipple configurations

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<th>OPERATING BAR (psi)</th>
<th>BURST BAR (psi)</th>
<th>FLOW ΔP=0.4 BAR (6.9 BAR INLET)</th>
<th>LOCKING MECHANISM</th>
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**BR-SERIES RECTUS ‘21’ INTERCHANGE (AUTOMATIC COUPLER)**

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<td>G1/8” BSPP</td>
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<tr>
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<td>1/4”-18 NPTF</td>
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<td>G1/4” BSPP</td>
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**BR-SERIES RECTUS ‘21’ INTERCHANGE (UNVALVED NIPPLE)**

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## BR-SERIES RECTUS ‘21’ INTERCHANGE (AUTOMATIC COUPLER)

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J-Series Truflate Automotive Interchange

- The J-Series is fully interchangeable with the Parker Truflate series, sizes 1/4" to 1/2"
- 1/4" J-Series couplers are made of brass with a steel sleeve and are available in all brass or brass flanged sleeve configurations
- 3/8" and 1/2" couplers are constructed of plated steel to maximise performance and durability
- Couplers have a sleeve-guard ‘Lip’ to reduce the risk of accidental disconnection while in service

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<th>PERFORMANCE SPECIFICATIONS</th>
<th>OPERATING BAR (psi)</th>
<th>BURST BAR (psi)</th>
<th>FLOW ΔP=0.4 BAR (6.9 BAR INLET)</th>
<th>LOCKING MECHANISM</th>
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<th>TOMCO</th>
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J-SERIES TRUFLATE AUTOMOTIVE INTERCHANGE (MANUAL COUPLER)

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<td>1/4&quot; ID X 3/8&quot; OD</td>
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</table>
Quick Release Couplings

CJ-Series European High-Flow Interchange

- CJ-Series European Interchange couplings will provide up to 50% more air flow than standard pneumatic couplings
- All couplers have a high concentration of locking balls to reduce incidents of brinneling during operation
- CJ-Series 1/4" nipples are available in standard or ‘LG’ locking-groove variations to maximise international interchangeability
- Couplers have a sleeve-guard ‘Lip’ to reduce the risk of accidental disconnection while in service
- Pneumatically energised seal moulds itself to the nipples to maximise sealing performance at all pressures

<table>
<thead>
<tr>
<th>Performance Specifications</th>
<th>Operating BAR (psi)</th>
<th>Min. Burst BAR (psi)</th>
<th>Flow ΔP=0.4 BAR (6.9 BAR INLET)</th>
<th>Locking Mechanism</th>
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<td>17 (250)</td>
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<th>Interchange Guide</th>
<th>Coil Hose Megaflow</th>
<th>AMFLO</th>
<th>Rectus</th>
<th>CJn</th>
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CJ-SERIES CJN 320/410 INTERCHANGE (AUTOMATIC COUPLER)

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<th>Body Material</th>
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<td>G1/4&quot; BSPP</td>
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(Female Thread)
### CJ-SERIES CEJN 320/410 INTERCHANGE (NIPPLE)

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### CJ-SERIES CEJN 320/410 INTERCHANGE (AUTOMATIC COUPLER)

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### CJ-SERIES CEJN 320/410 INTERCHANGE (NIPPLE)

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<td>CJ2BM2-LG</td>
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<td>CJ2BM2-S</td>
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## Important

Dixon carries two styles of European interchange nipples, Standard (No Suffix) and Locking-Groove (-LG Suffix). Both styles will fit in standard European interchange couplers but the Locking-Groove nipples will also fit into the Rectus ‘25KS’ couplers.

### CJ-SERIES CEJN 320/410 INTERCHANGE (AUTOMATIC COUPLER)

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### CJ-SERIES CEJN 320/410 INTERCHANGE (NIPPLE)

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<td>1/4&quot; Push-Loc</td>
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<td>5/16&quot; Hose Barb</td>
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<td>Steel</td>
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(Standard Hose Barb)

(Standard and Push-Loc Hose Barb)
N Series Bowes/MacDonald Interchange

- Dual-guide sleeve tabs will ensure smooth collar action during connection and disconnection
- Convenient ‘Push-Twist and Click’ connection provides a positive locking condition while connected
- Pneumatically energised seal provides an airtight seal at all working pressures
- Optional safety-lock ring protects against accidental disconnection while coupling is in operation
- Highly versatile selection of end connections and body materials, as well as an available valved coupler option

<table>
<thead>
<tr>
<th>PERFORMANCE SPECIFICATIONS</th>
<th>OPERATING BAR (psi)</th>
<th>BURST BAR (psi)</th>
<th>FLOW ΔP=0.4 BAR (6.9 BAR INLET)</th>
<th>LOCKING MECHANISM</th>
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<tr>
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<th>US GOVERNMENT</th>
<th>INTERNATIONAL STANDARDS</th>
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<th>NATIONAL</th>
<th>MACDONALD</th>
<th>DIXON</th>
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N-SERIES (MINI-BOWES) INTERCHANGE (COUPLER)

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N-SERIES (MINI-BOWES) INTERCHANGE (NIPPLE)

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N-SERIES (MINI-BOWES) INTERCHANGE (COUPLER)

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# Quick Release Couplings

### N-SERIES (MINI-BOWES) INTERCHANGE (NIPPLE)

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### N-SERIES MACDONALD INTERCHANGE (VALVED COUPLER)

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### N-SERIES MACDONALD INTERCHANGE (SAFETY-LOCK NIPPLE)

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### Diagrams

1. **Quick Release Couplings**
2. **N-SERIES (MINI-BOWES) INTERCHANGE (NIPPLE)
   - N3CS4: 3/8" Body, 1/2" Collar Barb, Steel
3. **N-SERIES MACDONALD INTERCHANGE (UNVALVED COUPLER)
   - 4NF3: 1/2" Body, 3/8"-18 NPTF, Steel
   - 4NBF3: 1/2" Body, G3/8" BSPP, Steel
4. **N-SERIES MACDONALD INTERCHANGE (VALVED COUPLER)
   - 4NF6-V: 1/2" Body, 3/4"-14 NPTF, Steel
5. **N-SERIES MACDONALD INTERCHANGE (SAFETY-LOCK NIPPLE)
   - N4F3: 1/2" Body, 3/8"-18 NPTF, Steel
## Quick Release Couplings

### N-Series MacDonald Interchange (Unvalved Coupler)

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### N-Series MacDonald Interchange (Valved Coupler)

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### N-Series MacDonald Interchange (Nipple)

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### N-Series MacDonald Interchange (Safety-Lock Nipple)

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### N-SERIES MACDONALD INTERCHANGE (COUPLER)

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(Hose Barb - now accepts light duty ferrules)

### N-SERIES MACDONALD INTERCHANGE (COUPLER)

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(Hose Barb with Staked Ferrule)

### N-SERIES MACDONALD INTERCHANGE (NIPPLE)

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(Hose Barb - now accepts light duty ferrules)

### N-SERIES MACDONALD INTERCHANGE (NIPPLE)

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(Hose Barb with Staked Ferrule)

### N-SERIES MACDONALD INTERCHANGE (SAFETY-LOCK NIPPLE)

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<td>3/4&quot; Hose Barb</td>
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(Hose Barb - now accepts light duty ferrules)
A Safety Check Valve, also known as an Excessive Flow Sensor should be installed at the source of supply to protect the operator in case of coupling failure or hose rupture.

N-SERIES MACDONALD INTERCHANGE (SAFETY-LOCK NIPPLE)

<table>
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<tr>
<th>PART NO.</th>
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<td>(1/2&quot;) 27/32&quot; to 1 1/32&quot;</td>
<td>steel</td>
</tr>
<tr>
<td>N4CS4-B-LS-WF43</td>
<td>1/2&quot;</td>
<td>(1/2&quot;) 27/32&quot; to 1 1/32&quot;</td>
<td>brass</td>
</tr>
<tr>
<td>N4CS6-LS-WF63</td>
<td>1/2&quot;</td>
<td>(3/4&quot;) 15/32&quot; to 1 1/32&quot;</td>
<td>steel</td>
</tr>
<tr>
<td>N4CS6-B-LS-WF63</td>
<td>1/2&quot;</td>
<td>(3/4&quot;) 15/32&quot; to 1 1/32&quot;</td>
<td>brass</td>
</tr>
<tr>
<td>N4CS6-S-LS-WFS63</td>
<td>1/2&quot;</td>
<td>(3/4&quot;) 15/32&quot; to 1 1/32&quot;</td>
<td>303 SS</td>
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N-SERIES (MEGA-BOWES) INTERCHANGE (COUPLER)

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<tbody>
<tr>
<td>10NF8-B</td>
<td>1 1/4&quot;</td>
<td>1&quot;-11 1/2 NPTF</td>
<td>brass</td>
</tr>
<tr>
<td>10NF10-B</td>
<td>1 1/4&quot;</td>
<td>1 1/4&quot;-11 1/2 NPTF</td>
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N-SERIES (MEGA-BOWES) INTERCHANGE (NIPPLE)

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<td>1 1/4&quot;</td>
<td>1&quot;-11 1/2 NPTF</td>
<td>brass</td>
</tr>
<tr>
<td>N10F10-B</td>
<td>1 1/4&quot;</td>
<td>1 1/4&quot;-11 1/2 NPTF</td>
<td>brass</td>
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N-SERIES (MEGA-BOWES) INTERCHANGE (COUPLER)

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<td>1 1/4&quot;-11 1/2 NPTF</td>
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N-SERIES (MEGA-BOWES) INTERCHANGE (NIPPLE)

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<tbody>
<tr>
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<td>brass</td>
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<tr>
<td>N10M10-B</td>
<td>1 1/4&quot;</td>
<td>1 1/4&quot;-11 1/2 NPTF</td>
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### N-SERIES MACDONALD INTERCHANGE (GENDER-CHANGE UNION)

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### N-SERIES MACDONALD INTERCHANGE (Y-COUPLEDERS)

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<th>INLET/OUTLET CONFIGURATION</th>
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<tbody>
<tr>
<td>N4Y4N-4N</td>
<td>1/2&quot;</td>
<td>Nipple to Couplers</td>
<td>steel</td>
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### N-SERIES MACDONALD INTERCHANGE (Y-NIPPLES)

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### N-SERIES MACDONALD INTERCHANGE (PROTECTIVE NIPPLE CAP)

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<tr>
<td>N4DC</td>
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### N-SERIES MACDONALD INTERCHANGE (REPLACEMENT PARTS)

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<th>PART MATERIAL</th>
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<tbody>
<tr>
<td>3N-SKIT</td>
<td>3/8&quot;</td>
<td>Sealing Gasket</td>
<td>Nitrile</td>
</tr>
<tr>
<td>4N-SKIT</td>
<td>1/2&quot;</td>
<td>Sealing Gasket</td>
<td>Nitrile</td>
</tr>
<tr>
<td>10N-SKIT</td>
<td>1 1/4&quot;</td>
<td>Sealing Gasket</td>
<td>Nitrile</td>
</tr>
</tbody>
</table>
P-Series Thor Interchange

- Interlocking finger connection method with single or dual locking sleeves for maximum security
- Convenient ‘Push-Twist and Click’ connection provides a positive locking condition while connected
- Corrosion resistant steel construction and a variety of other materials available to provide additional corrosion resistance
- Optional safety-lock clip protects against accidental disconnection while coupling is in operation
- Highly versatile selection of end connections includes Female NPTF, Male NPTF and Hose Barb

<table>
<thead>
<tr>
<th>PERFORMANCE SPECIFICATIONS</th>
<th>OPERATING BAR (psi)</th>
<th>BURST BAR (psi)</th>
<th>FLOW ΔP=0.4 BAR (6.9 BAR INLET)</th>
<th>LOCKING MECHANISM</th>
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<tbody>
<tr>
<td>1/2”</td>
<td>21 (300)</td>
<td>331 (4,800)</td>
<td>250 CFM</td>
<td>Latch Fingers</td>
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<table>
<thead>
<tr>
<th>‘P’ SERIES INTERCHANGE</th>
<th>THOR</th>
<th>NATIONAL</th>
<th>DIXON</th>
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<tr>
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<td>PHC</td>
<td>Series ‘A’</td>
<td>Dual-Lock</td>
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**P-SERIES THOR INTERCHANGE (COUPLER)**

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<tbody>
<tr>
<td>4PF4</td>
<td>1/2”</td>
<td>1/2”-14 NPTF</td>
<td>steel</td>
</tr>
<tr>
<td>4PF6</td>
<td>1/2”</td>
<td>3/4”-14 NPTF</td>
<td>steel</td>
</tr>
<tr>
<td>4PF6-B</td>
<td>1/2”</td>
<td>3/4”-14 NPTF</td>
<td>brass</td>
</tr>
<tr>
<td>4PF6-S</td>
<td>1/2”</td>
<td>3/4”-14 NPTF</td>
<td>303 SS</td>
</tr>
</tbody>
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**P-SERIES THOR INTERCHANGE (FLANGED-SLEEVE COUPLER)**

<table>
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</thead>
<tbody>
<tr>
<td>4PF4-FS</td>
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<td>1/2”-14 NPTF</td>
<td>steel</td>
</tr>
<tr>
<td>4PF6-FS</td>
<td>1/2”</td>
<td>3/4”-14 NPTF</td>
<td>steel</td>
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**P-SERIES THOR INTERCHANGE (NIPPLE)**

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</thead>
<tbody>
<tr>
<td>P4F3</td>
<td>1/2”</td>
<td>3/8”-18 NPTF</td>
<td>steel</td>
</tr>
<tr>
<td>P4F4</td>
<td>1/2”</td>
<td>1/2”-14 NPTF</td>
<td>steel</td>
</tr>
<tr>
<td>P4F4-B</td>
<td>1/2”</td>
<td>1/2”-14 NPTF</td>
<td>brass</td>
</tr>
<tr>
<td>P4F6</td>
<td>1/2”</td>
<td>3/4”-14 NPTF</td>
<td>steel</td>
</tr>
<tr>
<td>P4F6-B</td>
<td>1/2”</td>
<td>3/4”-14 NPTF</td>
<td>brass</td>
</tr>
<tr>
<td>P4F6-S</td>
<td>1/2”</td>
<td>1”-111/2 NPTF</td>
<td>303 SS</td>
</tr>
<tr>
<td>P4F8</td>
<td>1/2”</td>
<td>1”-111/2 NPTF</td>
<td>steel</td>
</tr>
<tr>
<td>P4F8-B</td>
<td>1/2”</td>
<td>1”-111/2 NPTF</td>
<td>brass</td>
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</table>
# Quick Release Couplings

## P-SERIES THOR INTERCHANGE (COUPLER)

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<tbody>
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<td>3/8&quot;-18 NPTF</td>
<td>steel</td>
</tr>
<tr>
<td>4PM4</td>
<td>1/2&quot;</td>
<td>1/2&quot;-14 NPTF</td>
<td>steel</td>
</tr>
<tr>
<td>4PM6</td>
<td>1/2&quot;</td>
<td>3/4&quot;-14 NPTF</td>
<td>steel</td>
</tr>
<tr>
<td>4PM6-S</td>
<td>1/2&quot;</td>
<td>3/4&quot;-14 NPTF</td>
<td>303 SS</td>
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## P-SERIES THOR INTERCHANGE (FLANGED-SLEEVE COUPLER)

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</thead>
<tbody>
<tr>
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<td>3/8&quot;-18 NPTF</td>
<td>steel</td>
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<tr>
<td>4PM4-FS</td>
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<td>1/2&quot;-14 NPTF</td>
<td>steel</td>
</tr>
<tr>
<td>4PM6-FS</td>
<td>1/2&quot;</td>
<td>3/4&quot;-14 NPTF</td>
<td>steel</td>
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## P-SERIES THOR INTERCHANGE (NIPPLE)

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<tbody>
<tr>
<td>P4M3</td>
<td>1/2&quot;</td>
<td>3/8&quot;-18 NPTF</td>
<td>steel</td>
</tr>
<tr>
<td>P4M4</td>
<td>1/2&quot;</td>
<td>1/2&quot;-14 NPTF</td>
<td>steel</td>
</tr>
<tr>
<td>P4M4-B</td>
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<td>3/4&quot;-14 NPTF</td>
<td>steel</td>
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<tr>
<td>P4M6</td>
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<td>3/4&quot;-14 NPTF</td>
<td>steel</td>
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<tr>
<td>P4M6-B</td>
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<td>3/4&quot;-14 NPTF</td>
<td>steel</td>
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<tr>
<td>P4M6-S</td>
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<tr>
<td>P4M8</td>
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<td>1&quot;-11\1/2 NPTF</td>
<td>steel</td>
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<tr>
<td>P4M8-B</td>
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<td>1&quot;-11\1/2 NPTF</td>
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## P-SERIES THOR INTERCHANGE (COUPLER)

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<tbody>
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<td>3/8&quot; Hose Barb</td>
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<td>3/4&quot; Hose Barb</td>
<td>steel</td>
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<tr>
<td>4PS6</td>
<td>1/2&quot;</td>
<td>3/4&quot; Hose Barb</td>
<td>steel</td>
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<tr>
<td>4PS6-B</td>
<td>1/2&quot;</td>
<td>3/4&quot; Hose Barb</td>
<td>303 SS</td>
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<tr>
<td>4PS8</td>
<td>1/2&quot;</td>
<td>1&quot; Hose Barb</td>
<td>steel</td>
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<tr>
<td>4PS8-B</td>
<td>1/2&quot;</td>
<td>1&quot; Hose Barb</td>
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</table>

(Hose Barb - now accepts light duty ferrules)
### P-SERIES THOR INTERCHANGE (FLANGED-SLEEVE COUPLER)

<table>
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<td>4PS6-FS</td>
<td>1/2&quot;</td>
<td>3/4&quot; Hose Barb</td>
<td>steel</td>
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<tr>
<td>4PS8-FS</td>
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<td>1&quot; Hose Barb</td>
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(Hose Barb - now accepts light duty ferrules)

### P-SERIES THOR INTERCHANGE (COUPLER)

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<td>steel</td>
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<tr>
<td>4PCS4-B-WF43</td>
<td>1/2&quot;</td>
<td>(1/2&quot;) 27/32&quot; to 11/32&quot;</td>
<td>brass</td>
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<tr>
<td>4PCS6-WF63</td>
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<td>(3/4&quot;) 15/32&quot; to 11/32&quot;</td>
<td>steel</td>
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<tr>
<td>4PCS6-B-WF63</td>
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<td>(3/4&quot;) 15/32&quot; to 11/32&quot;</td>
<td>brass</td>
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(Hose Barb with Staked Ferrule)

### P-SERIES THOR INTERCHANGE (FLANGED-SLEEVE COUPLER)

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<td>(1/2&quot;) 27/32&quot; to 11/32&quot;</td>
<td>steel</td>
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<tr>
<td>4PCS6-FS-WF63</td>
<td>1/2&quot;</td>
<td>(3/4&quot;) 15/32&quot; to 11/32&quot;</td>
<td>steel</td>
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</table>

(Hose Barb with Staked Ferrule)

### P-SERIES THOR INTERCHANGE (REPLACEMENT PARTS)

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<th>BODY SIZE</th>
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<td>Seal Gasket</td>
<td>Nitrile</td>
</tr>
<tr>
<td>4P-CLIP</td>
<td>1/2&quot;</td>
<td>Sleeve-Lock Clip</td>
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<tr>
<td>4P-CLIPS</td>
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<td>Spring Clip</td>
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## Index

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<td>Blow Out Prevention Safety Coupling</td>
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<td>BR Series</td>
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<td>58-60</td>
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<td>25-27</td>
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<td>47-52</td>
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<td>ISO 15171-1 Diagnostic Interchange</td>
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<td>22-24</td>
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<td>14-15</td>
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Quick Release Couplings
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