HOLMBURY PRODUCT OVERVIEW

Quick Release Couplings & Valves

FLUIDRAULICA

www.fluidraulica.com
Introducing our at a glance product overview
Quick Release Couplings & Valves

The world of quick release couplings and hydraulic components can be extremely diverse. We have provided some useful icons to help you select the appropriate product.

There is of course no substitute for real knowledge and members of our technical team are waiting to speak to you if you need any further assistance.

Call our UK or US sales office if you have further questions. Full contact details are available on the back of this document or on the footers.

GLOSSARY

APPLICATIONS
- CONSTRUCTION
- TOOLS
- DEMOLITION
- INDUSTRIAL
- OFFSHORE
- AGRICULTURAL
- FORESTRY
- TIPPER
- TRAILER
- PRESSURE WASH

PRODUCTS
- FF: FLAT FACE
- PB: POPPET/BALL
- STC: SCREW TO CONNECT
- BV: BALL VALVES
- RC: ROTARY
- SV: SPECIALIST VALVES
- PWC: VALVE FREE
- TB: TRAILER BRAKE

MATERIALS
- CARBON STEEL
- TRIVALENT CARBON STEEL
- ZINC NICKEL
- BRASS
- STAINLESS STEEL

PRESSURE
- BAR 350
- PSI 5075
- BAR 520
- PSI 10440

Colour of icon represents:
- MEDIUM PRESSURE
- HIGH PRESSURE

QUALITY ASSURED

All Holmbury products are subject to rigorous laboratory and field testing, and each product is certified in conformity to strict certification standards. Holmbury is an ISO 9001-2015 certified company.
### AVAILABLE SEALS AND TEMPERATURE RANGE

All carbon steel products have Nitrile Butadiene Rubber seals fitted as standard. All stainless steel products have Fluoro-elastomer Rubber (Viton®) seals fitted as standard. Special seal materials available on request.

<table>
<thead>
<tr>
<th>ABBREVIATION</th>
<th>TRADE NAME</th>
<th>CHEMICAL NAME</th>
<th>MIN TEMP.</th>
<th>MAX TEMP.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NBR XNBR</td>
<td>Chemigum®, Hycar®, Breon®, Butakon®, Butacril®, Buna-N®, Perbunan®, Paracril®, Krynac®, Europrene-N®, Nipol®</td>
<td>Nitrile Butadiene Rubber Carboxylated Nitrile Rubber</td>
<td>-40ºC (-40ºF)</td>
<td>106ºC (223ºF)</td>
</tr>
<tr>
<td>FKM (FPM)</td>
<td>Dai-el®, Fluorel®, Tecnoflon®, Viton®</td>
<td>Fluoro-elastomer Rubber</td>
<td>-20ºC (-4ºF)</td>
<td>200ºC (392ºF)</td>
</tr>
<tr>
<td>EPR EPDM</td>
<td>Buna-AP®, Dufral®, Epsyn®, Nordel®, Epcar8®, Keltan®, Royalene®, Polysar-EPDM®</td>
<td>Ethylene Propylene Copolymer Ethylene Propylene Terpolymer</td>
<td>-50ºC (-58ºF)</td>
<td>120ºC (248ºF)</td>
</tr>
<tr>
<td>FVMQ</td>
<td>Silastic 15®, FSE®</td>
<td>Fluorosilicone Rubber</td>
<td>-65ºC (-85ºF)</td>
<td>170ºC (338ºF)</td>
</tr>
<tr>
<td>FFKM</td>
<td>Perlast®, Kalrez®, Chemraz®, Kaflon®</td>
<td>Perfluoroelastomer</td>
<td>-25ºC (-13ºF)</td>
<td>300ºC (572ºF)</td>
</tr>
</tbody>
</table>
Flat face couplings, including Holmbury’s flagship HQ series, are renowned for high performance and easy wipe clean faces. Minimal fluid loss on disconnection. Minimal air or contaminant inclusion during connection. Safety locking sleeves included on most variants. The choice of many global OEM’s.
Did you know? The original international standard for flat face couplings was based upon the Holmbury design!

Sizes 1/8", 1/4" and 2" are not covered by the ISO 16028 Standard - Please check with office for compatibility.
Poppet and ball style couplings offer a durable and fast connecting solution for multi-purpose duties.

### IA, IAZ & IAS Series
**ISO A COUPLINGS**

- **Material:** Carbon Steel, Trivalent
- **Pressure:** 400 Bar (5800 PSI)
- **Thread:** BSPP, NPT

### IB, IBZ, IBB & IBS Series
**ISO B COUPLINGS**

- **Material:** Carbon Steel, Trivalent
- **Pressure:** 500 Bar (7250 PSI)
- **Thread:** BSPP, NPT

### IAP Series
**FEMALE CONNECT UNDER PRESSURE COUPLINGS. CONNECTS TO 1/2” ISO MALE PROBES**

- **Material:** Carbon Steel, Trivalent
- **Pressure:** 300 Bar (4350 PSI)
- **Thread:** NPT

### IAPC Series
**CONNECT UNDER PRESSURE ISO A COUPLINGS**

- **Material:** Carbon Steel, Trivalent
- **Pressure:** 320 Bar (4640 PSI)
- **Thread:** BSPP, NPT

### P Series
**PUSH PULL FEMALE COUPLING. CONNECTS TO 1/2” ISO MALE PROBES**

- **Material:** Carbon Steel, Zinc Nickel, Trivalent
- **Pressure:** 320 Bar (4640 PSI)
- **Thread:** BSPP, NPT

### F Series (Nordic)
**HIGH FLOW COUPLINGS FITTED WITH A SAFETY LOCKING SLEEVE**

- **Material:** Stainless Steel
- **Pressure:** 600 Bar (8700 PSI)
- **Thread:** BSPP, NPT
Did you Know? Holmbury has produced and supplied millions of couplings into the global market. In fact, if laid end to end, that’s enough to reach right around the world!
Screw to connect couplings are the game changers when it comes to dealing with high pressure pulsing applications, elimination of brinelling and connecting/disconnecting with residual pressure present in systems.
**TC Series**

SCREW CONNECT TIPPER COUPLINGS

- **16-19**
- **3/4”-1”**
- **BAR 350**
- **PSI 5075**
- **CARBON STEEL TRIVALENT**

**LC Series**

HEAVY DUTY SCREW CONNECT COUPLINGS

- **19-50**
- **3/4”-2”**
- **NPT**
- **BAR 345**
- **PSI 5000**
- **API 16D**
- **CARBON STEEL TRIVALENT**

**PLC Series**

SCREW CONNECT AND PULL BREAK COUPLINGS

- **10-25**
- **3/8”-1”**
- **BSPP**
- **BAR 300**
- **PSI 4350**
- **CARBON STEEL TRIVALENT**

**WSC Series**

WING STYLE SCREW CONNECT COUPLING WITH STEEL NUT

- **19-40**
- **1/2”-1 1/2”**
- **NPT**
- **BAR 210**
- **PSI 3045**
- **BRASS Cast Steel Shear**

**PSP/PSB Series**

SCREW CONNECT POPPET & BALL COUPLINGS

- **06-10**
- **1/4”-3/8”**
- **NPT**
- **BAR 1000**
- **PSI 14500**
- **ISO 14540**
- **CARBON STEEL TRIVALENT**
Ball valves offer a full-bore unrestricted flow with negligible pressure drop. The floating ball design provides effective sealing, with one-piece body delivering both high pressure rating and superior strength. ‘L’ & ‘T’ port options (on 3 way), mounting holes and ergonomically designed handle enhance fitting and clearance.

**GGIL/GG90 Series**

**BVC2/BVS2 Series**

TWO WAY HIGH PRESSURE BALL VALVES

- Bar: 400 PSI
- 5800 PSI
- 1/4"-2"
- Carbon Steel Trivalent
- Stainless Steel

**BVC3/BVS3 Series**

THREE WAY HIGH PRESSURE BALL VALVES

- Bar: 350 PSI
- 7250 PSI
- 1/4"-2"
- Carbon Steel Trivalent
- Stainless Steel

**RC**

Rotary couplings are designed for use on hydraulic lines subject to torsional stress. Can also be used on hose reel applications.

**SRIL & SR90 Series**

STAINLESS STEEL IN-LINE AND 90° ROTARY COUPLINGS

- Bar: 350 PSI
- 5875 PSI
- 1/4"-2"
- Stainless Steel
Check valves allow flow to move in one direction once pre-set ‘cracking’ pressure is achieved. Hose burst valves allow flow in both directions but stop reverse flow completely at the valve in the event of a surge flow. Cartridge can be set for variable flow rate.

Pressure washer couplings can accommodate high flow rates with minimal pressure drops. Female coupling has a double ‘O’ ring sealing arrangement. Valve-less design means that fluid may be lost during disconnection and so suitable only for non-hazardous media.