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**INDUSTRIAL**



**CATALOGUE**

Proprietary Limited

# QD COUPLINGS



Quality  
ISO 9001

SAI GLOBAL  
CERT NO QEC22270

**Industrial • Hydraulics • Ducting • Pneumatics**

## WESTERN BRANCH

28 Spencer Street  
Sunshine West Vic 3020  
Tel: (03) 8311 7400  
Fax: (03) 9311 2322

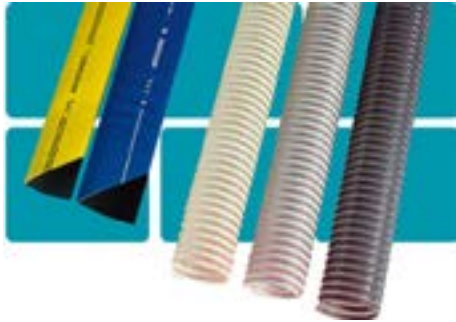
## EASTERN BRANCH

73-81 Bessemer Drive  
Dandenong South Vic 3175  
Tel: (03) 9794 9299  
Fax: (03) 9794 9992

## NORTHERN BRANCH

169-171 Northbourne Rd  
Campbellfield Vic 3061  
Tel: (03) 9305 4600  
Fax: (03) 9305 4231

**Other Catalogues Available:**



▶ *IPL Plastic Hose*



▶ *Barfell Plastic Hose & Tubes*



▶ *Automotive*



▶ *Plastic Tubing & Recoil Hose*



▶ *Flexible Ducting*

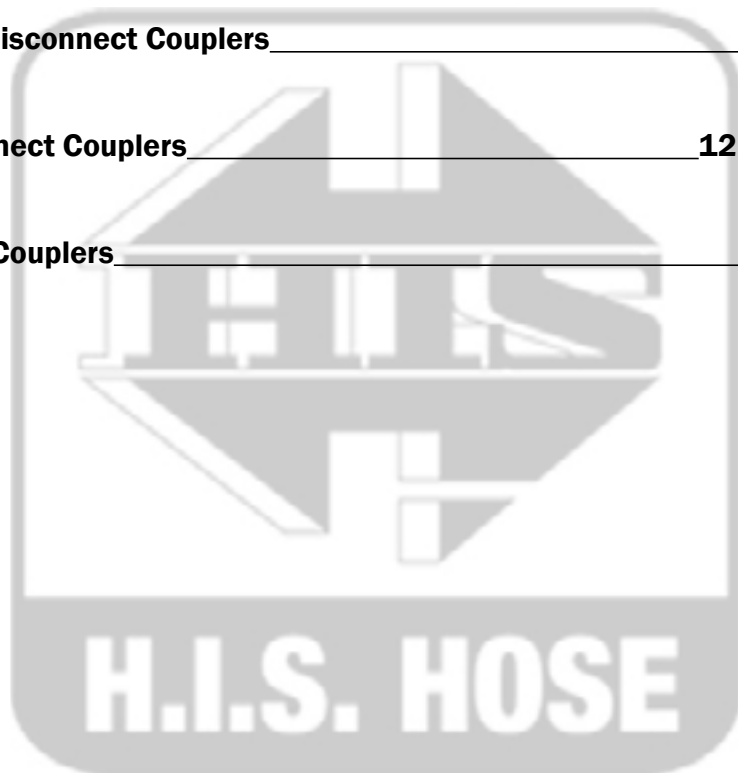


▶ *Hose Clamps & Clips*

**For any other technical information please contact H.I.S. Hose Sales Department.  
Note: Full range of dust caps and plugs are available.**

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Snap-Tite Quick Disconnect Couplers	4 - 9
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## H SERIES – QD COUPLERS

### DESCRIPTION

**General purpose:** hydraulics, pneumatics, gases, chemicals. Designed to MIL-C-51234.

### FEATURES

- **Seal Versatility** – Wide choice of standard and special seal materials for a wide variety of media
- **Positive Sealing when Connected** – Two sealing methods available based on application parameters
- **Dependable Operation** – Ball locking mechanism for positive connection
- **Low Pressure Drop** – Valve design and positive valve positioning maintain clean linear flow
- **Det Norske Veritas (DNV) Approved**
- **End Fitting Versatility** – Two piece body construction allows for many end fitting options
- **Sizes** – 1/4", 3/8", 1/2", 3/4", 1", 1.1/4", 1-1/2", 2", 2.1/2", 3", 4".
- **Materials** – Carbon Steel Zinc Plated, Brass, Stainless Steel Type 316, Aluminium (Indent)
- **Working Pressure** – To 11,000psi
- **Shut-Off Combination** – Double, single or straight through.

### BENEFITS

Applications include general hydraulic systems, plastic molding, machine tool, test equipment, agricultural, Departments of Transportation, and other mobile hydraulics. The IH option is available for reciprocating, pulsating and rotary motion air tools while the PH option is available for connection against static hydraulic pressure.

### SNAP-TITE H SERIES QD COUPLERS

Nipple P/N - Plated Mild Steel	Coupler P/N - Plated Mild Steel	Nipple P/N - Brass	Coupler P/N - Brass	Nipple P/N - Stainless Steel T316	Coupler P/N - Stainless Steel T316
<b>VHN4-4FV</b>	VHC4-4FV	<b>BHN4-4FV</b>	BHC4-4FV	<b>SHN4-4FV</b>	SHC4-4FV
<b>VHN6-6FV</b>	VHC6-6FV	<b>BHN6-6FV</b>	BHC6-6FV	<b>SHN6-6FV</b>	SHC6-6FV
<b>VHN8-8FV</b>	VHC8-8FV	<b>BHN8-8FV</b>	BHC8-8FV	<b>SHN8-8FV</b>	SHC8-8FV
<b>VHN12-12FV</b>	VHC12-12FV	<b>BHN12-12FV</b>	BHC12-12FV	<b>SHN12-12FV</b>	SHC12-12FV
<b>VHN16-16FV</b>	VHC16-16FV	<b>BHN16-16FV</b>	BHC16-16FV	<b>SHN16-16FV</b>	SHC16-16FV
<b>VHN20-20FV</b>	VHC20-20FV	<b>BHN20-20FV</b>	BHC20-20FV	<b>SHN20-20FV</b>	SHC20-20FV
<b>VHN24-24FV</b>	VHC24-24FV	<b>BHN24-24FV</b>	BHC24-24FV	<b>SHN24-24FV</b>	SHC24-24FV
<b>VHN32-32FV</b>	VHC32-32FV	<b>BHN32-32FV</b>	BHC32-32FV	<b>SHN32-32FV</b>	SHC32-32FV

**Standard Stocked items are with (F) NPT Female threads and Viton Seals.**

All other thread types and seals are indent items.

### HOW TO ORDER

#### PART NO

S	V	H	C	4-4	F	OPTIONS		
Material	Body Type	Series	Coupling Half	Coupling Size	End Fitting Size	End Fitting Type	Seal Material	Sleeve Lock
No letter for plated steel <b>A</b> Clear anodised aluminium <b>B</b> Brass <b>S</b> Stainless Steel	<b>V</b> Valve <b>P</b> Plain (without valve)	<b>H</b>	<b>C</b> Coupler <b>N</b> Nipple	4 = 1/4" 6 = 3/8" 8 = 1/2" 12 = 3/4" 16 = 1" 20 = 1-1/4" 24 = 1-1/2" 32 = 2" 40 = 2-1/2" 48 = 3" 64 = 4"	2 = 1/8" 4 = 1/4" 6 = 3/8" 8 = 1/2" 10 = 5/8" 12 = 3/4" 16 = 1" 20 = 1-1/4" 24 = 1-1/2" 40 = 2-1/2" 48 = 3" 64 = 4"	<b>M</b> Male NPT <b>F</b> Female NPTF <b>EF</b> Female SAE <b>EM</b> Male SAE 37° flare <b>EB</b> Bulkhead SAE <b>RP</b> Female British Parrallel BS2779 <b>49</b> MS33649 Female <b>56</b> MS33656 37° Male Flare <b>57</b> MS33657 Bulkhead <b>14</b> MS33514 Male <b>15</b> MS33515 Bulkhead	No letter for Buna N° (Code A) -40° to 200°F -40° to 93°C <b>JF</b> Military variation of Buna N for hydro-carbon fuels -65° to 160°F -54° to 71°C <b>M</b> Military Variation of Buna N for MIL-H-5606 fluids -65° to 275°F -54° to 135°C <b>V</b> Viton® (DuPont) -20° to 375°F -29° to 190°C <b>E</b> Ethylene propylene rubber -65° to 300°F -54° to 149°C	<b>SL</b> Aids in preventing accidental disconnection. To disconnect align the pin in the body with the slot in the sleeve.



**For any other technical information please contact H.I.S. Hose Sales Department.**

**Note: Full range of dust caps and plugs are available.**

REF: 79-1007

## 71 SERIES – FLUSH FACE/DRY BREAK COUPLERS



### DESCRIPTION

High Pressure, Flush Face, Drybreak, General Purpose Hydraulic Couplings

### FEATURES

- **Flush Face/Dry Break** – Spillage and system contamination are held to a minimum with flush valving
- **Push-to-Connect** – Ideal one-hand operation when one half is mounted. Sleeve retracts to disconnect.
- **Rugged Unit** – Heavy duty construction ideally suited for tough applications
- **Superior Flow and Low Pressure Drop**
- **Det Norske Veritas (DNV) Certified**
- **Autoclave Cone & Threaded Fittings are Available**
- **Sleeve lock Feature** – This optional feature protects against accidental disconnection
- **Sizes** – 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1.1/4", 1-1/2", 2".
- **Materials** – Carbon Steel Zinc Plated, Stainless Steel Type 316
- **Working Pressure** – To 10,000psi
- **Shut-Off Combination** – Double.

### BENEFITS

Snap-tite's 71 Series product line offers customers an economical flush face, dry break capable of operating at pressures to 10,000 psi (690 bar). Special seals are available to handle troublesome media as well as optional Autoclave Engineers cone and threaded end fittings for high pressure applications. The 71 Series is ideal for test stands and other hydraulic and chemical applications where endurance and cleanliness are requirements.

### SNAP-TITE 71 SERIES QD COUPLERS

Nipple Part No. Plated Mild Steel	Coupler Part No. Plated Mild Steel
<b>71-3N4-4F</b>	71-3C4-4F
<b>71-3N6-6F</b>	71-3C6-6F
<b>71-3N8-8F</b>	71-3C8-8F
<b>71-3N12-12F</b>	71-3C12-12F
<b>71-3N16-16F</b>	71-3C16-16F
<b>61-3N16-20F</b>	71-3C16-20F

**Standard Stocked items are with (F) NPT Female threads and Buna Seals.**

All other thread types and seals are indent items.

### PRESSURE RATINGS – 71 SERIES STEEL

Size	Maximum Working (PSI)	Maximum Working (BAR)	Minimum Burst (PSI)	Minimum Burst (BAR)
1/8"	10,000	689	22,000	1517
1/4"	10,000	689	20,000	1379
3/8" x 1/4"	10,000	689	20,000	1379
3/8"	10,000	689	20,000	1379
3/8" x 1/2"	10,000	689	20,000	1379
1/2"	10,000	689	20,000	1379
3/4"	7,500	517	15,000	1034
1"	7,500	517	15,000	1034
1" x 1-1/4"	7,500	517	15,000	1034
2" x 1-1/2"	5,000	344	10,000	689
2"	5,000	344	10,000	689

**Also available in T316 Stainless Steel**



QD HOSE COUPLINGS

SNAP-TITE Q/D  
COUPLERS

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**Note: Full range of dust caps and plugs are available.**

**Email Enquiries: [admin@hishose.com.au](mailto:admin@hishose.com.au)**



## 61 SERIES – ISO INTERCHANGE COUPLERS

### DESCRIPTION

ISO Series A Interchange. Hydraulic and fluid transfer.

### FEATURES

- **4:1 Safety Factor**
- **Poppet Style Shut-off Valving**
- **Zinc Yellow Dichromate Plating** – Provides superior corrosion resistance
- **Proven Ball-Locking Design**
- **Standards** – Dimensions & Performance Conform to both ISO 7241-1A (ISO-A) and ISO 5675
- **Sizes** – 1/4", 3/8", 1/2", 3/4", 1"
- **Materials** – Carbon steel zinc plated
- **Working Pressure** – To 4,600psi
- **Shut-Off Combination** – Double

### BENEFITS

The 61 Series is a general purpose coupling that is supplied in a double shut-off configuration for use in applications such as test equipment, agriculture, mobile hydraulics, in-plant hydraulics, machine tool, plastic molding, Departments of Transportation among others. Dimensions and performance meet the ISO 7241-1A requirements in addition to meeting dimensional requirements of ISO 5675.

### SNAP-TITE 61 SERIES

#### BSP THREADS

Nipple Part No.	Coupler Part No.
<b>61N4-4RPV</b>	61C4-4RPV
<b>61N6-6RPV</b>	61C6-6RPV
<b>61N8-8RPV</b>	61C8-8RPV
<b>61N12-12RPV</b>	61C12-12RPV
<b>61N16-16RPV</b>	61C16-16RPV

#### NPT THREADS

Nipple Part No.	Coupler Part No.
<b>61N4-4FV</b>	61C4-4FV
<b>61N6-6FV</b>	61C6-6FV
<b>61N8-8FV</b>	61C8-8FV
<b>61N12-12FV</b>	61C12-12FV
<b>61N16-16FV</b>	61C16-16FV



### PRESSURE RATINGS

Size	Maximum Working (PSI)	Maximum Working (BAR)	Minimum Burst (PSI)	Minimum Burst (BAR)	Maximum Connect by Hand (PSI)	Maximum Connect by Hand (BAR)
1/4"	4,600	317	18,400	1269	150	10
3/8"	4,600	317	18,400	1269	150	10
1/2"	4,000	276	16,000	1103	100	7
3/4"	4,000	276	16,000	1103	50	3
1"	3,000	207	12,000	828	40	3

**Standard Stocked items are with (RP) BSP & (F) NPT Female threads and Viton Seals.**

All other thread types and seals are indent items.

QD HOSE COUPLERS

SNAP-TITE Q/D COUPLINGS

For any other technical information please contact H.I.S. Hose Sales Department.

Note: Full range of dust caps and plugs are available.

REF: 79-1007

## 72 SERIES – ISO SERIES B INTERCHANGE COUPLERS

*Snap-tite*



### DESCRIPTION

ISO industrial interchange general purpose, hydraulic & pneumatic.

### FEATURES

- **Performance** – Exceeds pressure & flow characteristics of the competition
- **Interchangeable** – Connects to other manufacturers ISO 7241-1 Series B (ISO-B) units
- **Proven Ball-Locking Mechanism**
- **Sleeve Lock** – Available safety option to prevent accidental disconnection
- **Sizes** – 1/4", 3/8", 1/2", 3/4", 1".
- **Materials** – Brass (STOCKED ITEM) Indent items are also available in Carbon Steel
- **Zinc Plated and Stainless Steel (316)**
- **Working Pressure** – To 7,500psi
- **Shut-Off Combination** – Double.



### BENEFITS

Applications for the Snap-tite 72 Series include general in-plant use, chemical transfer, chemical injection, test equipment, mobile equipment all the way to rug cleaning. This product line is also available with special seal materials which allow it to be used in food applications such as fryers. Other modifications are possible as well to handle special applications.

### SNAP-TITE 72 SERIES ISO SERIES B INTERCHANGE

Nipple Part No. Brass	Coupler Part No. Brass
<b>B72C2-2FV</b>	B72C2-2FV
<b>B72C4-4FV</b>	B72C4-4FV
<b>B72C6-6FV</b>	B72C6-6FV
<b>B72N8-8FV</b>	B72N8-8FV
<b>B72N12-12FV</b>	B72N12-12FV
<b>B72N16-16FV</b>	B72N16-16FV

**Standard Stocked items are with (F) NPT Female threads and Viton Seals.**

All other thread types and seals are indent items.

### PRESSURE RATINGS FOR BRASS

Size	Maximum Working (PSI)	Maximum Working (BAR)	Minimum Burst (PSI)	Minimum Burst (BAR)
1/8"	3,000	210	12,000	830
1/4"	3,750	260	15,000	1,035
3/8"	2,750	190	11,000	760
1/2"	3,000	210	12,000	830
3/4"	2,200	155	8,800	610
1"	1,500	105	6,000	415

## E & EA SERIES – VACUUM COUPLING

### DESCRIPTION

Hard vacuum: Medium pressure, high temperature

### FEATURES

- **Seal Versatility** – Wide range of standard & special seal materials available
- **High Temperature Capability** – Unique EA Series seal configuration allows for high temperature use
- **Vacuum Capability** – Dependable service down to 29.72" Hg
- **Optional Sleeve Lock** – Aids in prevention of accidental disconnection
- **Sizes** – EA: 1/4", 3/8", 1/2", 3/4" E: 1", 1.1/4", 1-1/2", 2", 2.1/2", 3", 4".
- **Materials** – Carbon Steel Zinc Plated, Brass, Stainless Steel Type 316, Aluminium (Indent)
- **Working Pressure** – To 3,000psi
- **Shut-Off Combination** – Double, single or straight through.



**For any other technical information please contact H.I.S. Hose Sales Department.**

**Note: Full range of dust caps and plugs are available.**

**Email Enquiries: [admin@hishose.com.au](mailto:admin@hishose.com.au)**

E & O.E 2006

REF: 79-1007

QD HOSE COUPLINGS

SNAP-TITE Q/D  
COUPLERS



**Snap-tite**

# QD HOSE COUPLERS

## SNAP-TITE Q/D COUPLERS

### 28-1 SERIES – DRY BREAK COUPLERS

**DESCRIPTION**

Push to Connect Dry Break. Low pressure hydraulic systems, high purity systems, fuel systems, electronic coolant and high reliability systems. Lightweight, virtually zero spillage and air inclusion. Lower air inclusion, spillage and pressure drop than required by MIL-C-25427A. Performance meets or exceeds MIL-C-7413B and MIL-C-25427A.

**FEATURES**

- **Lock Indicator** – Colour coded positive lock indicator standard on all models.
- **Seals** – A wide range of seal materials are available to handle a variety of media.
- **Maximized Flow Capacity**
- **Sizes** – 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1.1/4", 1.1/2", 2".
- **Materials** – Aluminium and 316 Stainless steel.
- **Working Pressure** – To 1,000psi
- **Shut-Off Combination** – Double.



### 29 SERIES – DRY BREAK COUPLING

**DESCRIPTION**

Push to Connect Dry Break. High reliability military, aerospace, medical and other critical applications. Chemicals and corrosive materials. Lower air inclusion, spillage and pressure drop than required by MIL-C-25427A. Performance meets or exceeds MIL-C-7413B and MIL-C-25427A.

**Sizes:** 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1.1/4".

**Materials:** Aluminium and 316 Stainless steel.

**Working Pressure:** To 5,500psi

**Shut-Off Combination:** Double.

### 60 SERIES – 4000 INTERCHANGE COUPLING

**DESCRIPTION**

Interchange with Aeroquip FD42 and Parker 4000 Series. Applications include agricultural and construction equipment.

**Sizes:** 1/4", 3/8".

**Materials:** Zinc yellow dichromate-plated steel.

**Working Pressure:** To 3,000psi

**Shut-Off Combination:** Double.



### 74 SERIES – FLUSH FACE HYDRAULIC COUPLING

**DESCRIPTION**

Ultra-high pressure coupling for water jetting industries.

**Sizes:** 1/4".

**Materials:** Steel and Stainless steel.

**Working Pressure:** To 36,000psi

**Shut-Off Combination:** Double or straight through.

### 74 SERIES – FLUSH FACE HYDRAULIC COUPLING

**DESCRIPTION**

HTMA Interchange. Push to Connect, Dry Break, Flush Face, Sleeve lock. Mobile equipment, hydraulic hand tools and in-plant hydraulics.

**Sizes:** 3/8", 1/2".

**Materials:** Zinc plated steel.

**Working Pressure:** To 3,000psi

**Shut-Off Combination:** Double.



**For any other technical information please contact H.I.S. Hose Sales Department.  
Note: Full range of dust caps and plugs are available.**



## 75 SERIES – THREAD TO CONNECT COUPLERS

### DESCRIPTION

High pressure hydraulics (dry break): Connect under pressure.

### FEATURES

Dry Break 75 Series Version is Available (75DB)  
"Firesafe" version to API 160 & EUB directive #36  
Acme Thread-to-Connect Design  
High Flow Capacity & Low Pressure Drop

**Wide Range of Seal Materials:** Including seals to handle fire-resistant hydraulic fluids  
Correct under pressure capability up to 3000 psi (207 bar)

**Connect-Under-Pressure Capability:** Can be connected against pressures up to 3,000 psi (207 bar)

**Sizes:** 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4".

**Materials:** Carbon Steel Zinc Plated, Stainless Steel Type 316

**Working Pressure:** To 5,000psi

**Shut-Off Combination:** Double.

**Note:** The above is only a small section of couplings available.

*Snap-tite*



QD HOSE COUPLINGS

## 76 SERIES – HYDRAULIC COUPLERS

### DESCRIPTION

Interchange with Parker 3000 Series, Faster PVV Series, Perfecting 300 Series, Powerteam C38, Enerpac C-604. Screw to connect coupling used in the hydraulic tool and rescue equipment markets.

**Sizes:** 3/8".

**Materials:** Clear zinc plated steel.

**Working Pressure:** To 14,500psi

**Shut-Off Combination:** Double.



## 78 SERIES – THREAD TO CONNECT COUPLERS

### DESCRIPTION

Dry break, Thread to Connect. Interchangeable with Aeroquip 5100 and Parker 6100 Series. Heavy duty wing nut or hex nut for easy connection of threaded units.

**Sizes:** 3/4", 1", 1.1/4", 1.1/2".

**Materials:** Brass.

**Working Pressure:** To 3,000psi

**Shut-Off Combination:** Double.



## COMPRESSED NATURAL GAS COUPLERS

### DESCRIPTION

Compressed natural gas vehicle couplings.

**Sizes:** 1/4", 3/8", 1/2", 3/4", 1".

**Materials:** Carbon steel zinc plated, Brass, Stainless Steel Type 303 & 316

**Working Pressure:** To 7,500psi

**Shut-Off Combination:** Double.



## 3C/6C CHECK VALVES

### DESCRIPTION

In-line check valve suitable for industrial, mobile and construction applications. Soft seat, zero leakage, various crack pressures.

**Sizes:** 1/4", 3/8", 1/2", 3/4", 1", 1.1/4", 1.1/2", 2".

**Materials:** Zinc clear dichromate plated steel and 316 Stainless steel.

**Working Pressure:** To 6,000psi



## FRI/FRIA SERIES FLOW CONTROL VALVES

### DESCRIPTION

Fixed and adjustable inline flow control valve. Actuator speed control. Industrial and mobile. Free reverse flow, pressure compensated, self dampening design.

**Sizes:** 1/4", 3/8", 1/2", 3/4", 1".

**Materials:** Zinc clear dichromate plated steel. (Stainless steel adjustment assembly available).

**Working Pressure:** To 5,000psi



**For any other technical information please contact H.I.S. Hose Sales Department.**

**Note: Full range of dust caps and plugs are available.**

**Email Enquiries: [admin@hishose.com.au](mailto:admin@hishose.com.au)**

E & O.E 2006

REF: 79-1007

SNAP-TITE Q/D  
COUPLERS

Series 2300 (1/8"), 2500 (1/4"), 3800 (3/8"), 5000 (1/2"), 7500 (3/4"), 10000 (1"), 15000 (1 1/2"), and 20000 (2") All couplings with double sealing and lock-ring preventing unintentional disconnection as standard (except 2300). Very low pressure drop.

Max. working pressure: 15 MPa - 45 MPa (150-450 bar).

**Accessories:** Dust plugs and dust caps in cold resistant plastic.

The above series, 3800-10000, are optionally available with **Pressure Eliminator** in the coupling body and/or the plug-in nipple.

**The pressure eliminator** relieves excess pressure. When reconnecting, the excess pressure is automatically transferred to the pressure-free side. This solves many coupling-related problems, which appear when reconnecting.

**The Super Nipple** is a complement to the standard couplings and is intended for extreme working conditions.

Resists pressure peaks of up to 60 MPa (600 bar). Made of a special steel alloy.

Available for Series 7500 and 10000.

### COUPLINGS FOR HYDRAULICS, FLUIDS & GASES

Part No.	Coupling Type
<b>TEMA 2310</b>	Coupling Body 1/8" BSPF
<b>TEMA 2320</b>	Plug In Adaptor 1/8" BSPF
<b>TEMA 2510</b>	Coupling Body 1/4" BSPF
<b>TEMA 2520</b>	Plug In Adaptor 1/4" BSPF
<b>TEMA 3810</b>	Coupling Body 3/8" BSPF
<b>TEMA 3820</b>	Plug In Adaptor 3/8" BSPF
<b>TEMA 5010</b>	Coupling Body 1/2" BSPF
<b>TEMA 5020</b>	Plug In Adaptor 1/2" BSPF
<b>TEMA 7510</b>	Coupling Body 3/4" BSPF
<b>TEMA 7520</b>	Plug In Adaptor 3/4" BSPF
<b>TEMA 10010</b>	Coupling Body 1" BSPF
<b>TEMA 10020</b>	Plug In Adaptor 1" BSPF



### COUPLINGS WITH VITON SEAL FOR STEAM

Part No.	Coupling Type
<b>TEMA 1300V</b>	Coupling Body 1/4"
<b>TEMA 1800HV</b>	Coupling Body (unvalved) 3/8"
<b>TEMA 1800NV</b>	Coupling Body (valved) 3/8"
<b>TEMA 18410STV</b>	Adaptor 3/8"
<b>TEMA 2310V</b>	Coupling Body 1/8" BSPF
<b>TEMA 2320V</b>	Plug In Adaptor 1/8" BSPF
<b>TEMA 2510V</b>	Coupling Body 1/4" BSPF
<b>TEMA 2520V</b>	Plug In Adaptor 1/4" BSPF
<b>TEMA 3810V</b>	Coupling Body 3/8" BSPF
<b>TEMA 3820V</b>	Plug In Adaptor 3/8" BSPF
<b>TEMA 5010V</b>	Coupling Body 1/2" BSPF
<b>TEMA 5020V</b>	Plug In Adaptor 1/2" BSPF
<b>TEMA 7510V</b>	Coupling Body 3/4" BSPF
<b>TEMA 7520V</b>	Plug In Adaptor 3/4" BSPF
<b>TEMA 10010V</b>	Coupling Body 1" BSPF
<b>TEMA 10020V</b>	Plug In Adaptor 1" BSPF



**For any other technical information please contact H.I.S. Hose Sales Department.  
Note: Full range of dust caps and plugs are available.**

REF: 26-1007

**DUST PLUGS & CAPS**

Part No.	Coupling Type
<b>TEMA 2516</b>	PVC Dust Cap for Body 1/4"
<b>TEMA 2526</b>	PVC Dust Cap for Adaptor 1/4"
<b>TEMA 3816</b>	PVC Dust Cap for Body 3/8"
<b>TEMA 3826</b>	PVC Dust Cap for Adaptor 3/8"
<b>TEMA 5016</b>	PVC Dust Cap for Body 1/2"
<b>TEMA 5026</b>	PVC Dust Cap for Adaptor 1/2"
<b>TEMA 5515</b>	PVC Dust Cap for Body 1/2" ??
<b>TEMA 5525</b>	PVC Dust Cap for Adaptor 1/2"??
<b>TEMA 7516</b>	PVC Dust Cap for Body 3/4"
<b>TEMA 7526</b>	PVC Dust Cap for Adaptor 3/4"
<b>TEMA 10016</b>	PVC Dust Cap for Body 1"
<b>TEMA 10026</b>	PVC Dust Cap for Adaptor 1"



**HIGH PRESSURE WATER**

- Series 1300H (1/4") and 1800H (3/8").  
Maximum working pressure: 10 MPa (100 bar).
- Series 2500 uv, with lock-ring.  
Maximum working pressure: 45 MPa (450 bar).
- Series 3800 uv, with/without lock-ring.  
Maximum working pressure: 33 MPa (330 bar).  
Coupling body and plug-in nipple without shut-off valve (uv).

**STAINLESS STEEL**

- Series 1800 (3/8"), 2500 (1/4"), 3800 (3/8"), 5000 (1/2"), 7500 (3/4"), 10000 (1"), 15000 (1 1/2") and 20000 (2"). Same construction and function as the standard coupling. Part No. addition mark: "RV"  
Material: AISI 316  
Maximum working pressure: 3 MPa- 21 MPa (30-210 bar)

**COUPLINGS FOR DIVING & RESPIRATORY AIR**

Part No.	Coupling Type
<b>TEMA 2510ELRF</b>	Coupling Body with extra lock 1/4"
<b>TEMA 2520RF</b>	Stainless Adaptor 1/4"
<b>TEMA 3820RF</b>	Stainless Adaptor 3/8"

**SWIVEL JOINTS**

Part No.	Coupling Type
<b>TEMA 250</b>	1/4" Nut
<b>TEMA 250RF</b>	1/4" Nut (S/S)
<b>TEMA 500</b>	1/2" Nut
<b>TEMA 500RF</b>	1/2" Nut (S/S)
<b>TEMA 750</b>	3/4" Nut
<b>TEMA 750RF</b>	3/4" Nut (S/S)
<b>TEMA 1000</b>	1" Nut
<b>TEMA 100RF</b>	1" Nut (S/S)



**QD HOSE COUPLINGS**

**TEMA QD COUPLINGS**

**For any other technical information please contact H.I.S. Hose Sales Department.  
Note: Full range of dust caps and plugs are available.**

**Email Enquiries: admin@hishose.com.au**



## POPPET CHECK QUICK RELEASE COUPLINGS

### RECOMMENDED FOR:

General purpose steel hydraulic couplings. Heavy Duty Plating. Typical applications include industrial equipment, hydraulic hand tools, agricultural machinery, construction and mobile plant, hydraulic cylinders, test rigs and power packs, logging equipment, mining machinery, oil processing and steel production.

### FEATURES:

- Poppet Check Valves feature rubber poppet seal for improved sealing when disconnected. Check Valves automatically close on disconnection and open on connection.
- Single Acting Sleeve is manually retracted to connect or disconnect.
- Push/Pull Sleeve can be moved in either direction to connect or disconnect. When sleeve is held firmly by hand or in a bracket, Male Tip will simply push in to connect to Female Body.
- 1/2" Nominal Body Sizes can be mounted in dual breakaway bracket. If farm implement being towed disconnects from tractor, coupling halves will break apart without damage to hoses.
- RYCO Quick Release Couplings have full spanner hex for ease of installation and extra balls in locking mechanism for extra security.
- Couplings are able to swivel when unpressurised, reducing hose kinking and twisting. This feature is to reduce twist on hose; the couplings should not be used as swivel joints.
- -08,-12 & -16 Nominal Body Sizes of R81, R82, R85 & R86 Series can be interconnected to same Nomial Body Size.
- Individual Nominal Body Sizes of R80, R81, R82 & R86 Series and -08, 12 & -16 Nominal Body Sizes of R85 Series can be connected to same Nominal Body Size of R91, R94 & R96 Series (Ball Check Valves), however the lower of the flow rates and working pressures apply.



### TECHNICAL DATA

- Seals: Nitrile (Buna N) O Rings. Back up Washer prevents extrusion of O Ring at high pressures.
- Operating Temperature Range: From -20 °C to +125 °C (-4 °F to +257 °F).
- Working Pressure: See chart below.
- Pressure Drop and Nominal Flow Rates: See pages xxx and xxx Improved Flow and less pressure drop compared to Ball Type Check Valves.
- Fluid Compatibility: Mineral / petroleum based hydraulic oils.
- Specifications and Cross Reference:
- R85 Series: all sizes conform to ISO Type A and cross reference with other ISO Type A couplings.
- R80, R81, R82, R86 Series: 1/2", 3/4" & 1" Nominal Body sizes conform to ISO Type A and cross reference with other ISO Type A couplings. 1/4", 3/8" & 1/2" Nominal Body sizes cross reference with Pioneer and Safeway.

### SINGLE ACTING SLEEVE POPPET CHECK VALVES: DIMENSIONS IN mm

Female Body	Male Tip	Complete Coupling	Female Thread Size	Nom. Body Size	Max. working pressure (bar)	Max. working Pressure (psi)	Diameter of Sleeve	Length Coupled Together	Length of Female Body	Length Male Tip	Spanner Hex Size
<b>R80-04F</b>	<b>R80-04M</b>	<b>R80-04FM</b>	1/4 BSPP	1/4	350	5100	27	76	56	38	19
<b>R80-06F</b>	<b>R80-06M</b>	<b>R80-06FM</b>	3/8 BSPP	3/8	350	5100	34	85	63	43	24
<b>R81-08F</b>	<b>R81-08M</b>	<b>R81-08FM</b>	1/2 BSPP	1/2	300	4350	38	96	70	48	27
<b>R82-12F</b>	<b>R82-12M</b>	<b>R82-12FM</b>	3/4 BSPP	3/4	250	3625	45	114	85	57	34
<b>R82-16F</b>	<b>R82-16M</b>	<b>R82-16FM</b>	1 BSPP	1	250	3625	52	131	99	65	41
<b>R85-04F</b>	<b>R85-04M</b>	<b>R85-04FM</b>	1/4 NPT	1/4	350	5100	26	70	49	35	19
<b>R85-06F</b>	<b>R85-06M</b>	<b>R85-06FM</b>	3/8 NPT	3/8	350	5100	30	85	61	43	22
<b>R85-12F</b>	<b>R85-12M</b>	<b>R85-12FM</b>	3/4 NPT	3/4	250	3625	45	114	85	57	34
<b>R85-16F</b>	<b>R85-16M</b>	<b>R85-16FM</b>	1 NPT	1	250	3625	52	131	99	65	41
<b>R86-12F</b>	<b>R86-12M</b>	<b>R86-12FM</b>	3/4 UNO	1/2	300	4350	38	96	70	48	27

### PUSH/PULL SLEEVE POPPET CHECK VALVES: DIMENSIONS IN mm

Female Body	Male Tip	Complete Coupling	Female Thread Size	Nom. Body Size	Max. working pressure (bar)	Max. working Pressure (psi)	Diameter of Sleeve	Length Coupled Together	Length of Female Body	Length Male Tip	Spanner Hex Size
<b>R81-08P</b>	<b>R81-08M</b>	<b>R81-08FM</b>	1/2 BSPP	1/2	300	4350	38	96	70	48	27
<b>R85-08P</b>	<b>R85-08M</b>	<b>R85-08FM</b>		1/2	300	4350	38	96	70	48	27
<b>R86-12P</b>	<b>R86-12M</b>	<b>R86-12FM</b>		1/2	300	4350	38	96	70	48	27
<b>R86-14P</b>	<b>R86-14M</b>	<b>R86-14FM</b>	7/8 UNO	1/2	300	4350	38	110	74	58	30

For any other technical information please contact H.I.S. Hose Sales Department.

Note: Full range of dust caps and plugs are available.

REF: 37-1007

## BALL CHECK VALVES QD COUPLING

### RECOMMENDED FOR:

General purpose steel hydraulic couplings. Heavy Duty Plating. Typical applications include industrial equipment, hydraulic hand tools, agricultural machinery, construction and mobile plant, hydraulic cylinders, test rigs and power packs, logging equipment, mining machinery, oil processing and steel production.

### FEATURES:

- Precision machined for long reliable life (some slight weeping may occur if couplings are pressurised when disconnected). Check Valves automatically close on disconnection and open on connection.
- Single Acting Sleeve is manually retracted to connect or disconnect.
- Push/Pull Sleeve can be moved in either direction to connect or disconnect. When sleeve is held firmly by hand or in a bracket, Male Tip will simply push in to connect to Female Body.
- 1/2" Nominal Body Sizes can be mounted in dual breakaway bracket. If farm implement being towed disconnects from tractor, coupling halves will break apart without damage to hoses. See page 242.
- RYCO Quick Release Couplings have full spanner hex for ease of installation and extra balls in locking mechanism for extra security.
- Individual sizes of R91 & R94 Series can be interconnected. Can be connected to same Nominal Body Size of R80, R81, R82 & R86 Series (Poppet Check Valves), however the lower of the flow rates and working pressures apply.
- Couplings are able to swivel when unpressurised, reducing hose kinking and twisting. This feature is to reduce twist on hose; the couplings should not be used as swivel joints.



### TECHNICAL DATA

- Seals: Nitrile (Buna N) O Rings. Back up Washer prevents extrusion of O Ring at high pressures.
- Operating Temperature Range: From -20 °C to +125 °C (-4 °F to +257 °F).
- Working Pressure: See chart below.
- Pressure Drop and Nominal Flow Rates: See pages 248 and 250.
- Fluid Compatibility: Mineral / petroleum based hydraulic oils.
- Specifications and Cross Reference: 1/2", 3/4" & 1" Nominal Body sizes conform to ISO Type A and cross reference with other ISO Type A couplings. 1/4", 3/8" & 1/2" Nominal Body sizes cross reference with Pioneer and Safeway.

### SINGLE ACTING SLEEVE BALL CHECK VALVES: DIMENSIONS IN mm

Female Body	Male Tip	Complete Coupling	Female Thread Size	Nom. Body Size	Maximum working pressure (bar)	Maximum Working Pressure (psi)	Diameter of Sleeve	Length Coupled Together	Length of Female Body	Length Male Tip	Spanner Hex Size
<b>R91-08F</b>	<b>R91-08M</b>	<b>R91-08FM</b>	1/2 BSPP	1/2	250	3625	38	96	70	48	27
<b>R94-04F</b>	<b>R94-04M</b>	<b>R94-04FM</b>	1/4 NPTF	1/4	350	5100	27	76	56	38	19
<b>R94-06F</b>	<b>R94-06M</b>	<b>R94-06FM</b>	3/8 NPTF	3/8	250	3625	34	85	63	43	24
<b>R94-08F</b>	<b>R94-08M</b>	<b>R94-08FM</b>	1/2 nptf	1/2	250	3625	38	96	70	48	27

### PUSH/PULL SLEEVE BALL CHECK VALVES: DIMENSIONS IN mm

Female Body	Male Tip	Complete Coupling	Female Thread Size	Nom. Body Size	Maximum working pressure (bar)	Maximum Working Pressure (psi)	Diameter of Sleeve	Length Coupled Together	Length of Female Body	Length Male Tip	Spanner Hex Size
<b>R91-08P</b>	<b>R91-08M</b>	<b>R91-08FM</b>	1/2 BSPP	1/2	250	3625	38	96	70	48	27
<b>R94-08P</b>	<b>R94-08M</b>	<b>R94-08FM</b>	1/2 NPTF	1/2	250	3625	38	96	70	48	27
<b>R96-12P</b>	<b>R94-12M</b>	<b>R94-12FM</b>	3/4 UNO	1/2	250	3625	38	96	70	48	27

For any other technical information please contact H.I.S. Hose Sales Department.

Note: Full range of dust caps and plugs are available.

Email Enquiries: [admin@hishose.com.au](mailto:admin@hishose.com.au)

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QD HOSE COUPLINGS

BALL CHECK QD COUPLINGS

## ACCESSORIES & SPARE PARTS

### CONNECT UNDER PRESSURE MALE TIP

These Male Tips are able to be connected to the Female Body, even if there is residual pressure in the Male Tip provided that the circuit has been switched off or isolated. i.e. the pump is turned off and circuit is not being supplied with pressure and flow; they are not designed to be connected under pressure while the circuit is operating. A secondary valve in the poppet of the male allows sufficient oil to escape to unload the pressure inside the Male Tip at the moment of connecting (same dimensions as R81-08M and R85-08M)



### BREAKAWAY BRACKETS & BREAKAWAY KITS

**RB-08P DUAL 1/2 INCH KIT**  
 Comprises: 2 x R81-08PM Female & Male Couplers Push/Pull  
 1 x RB-08X Bracket  
 4 x C38X Circlips  
 2 x RDP-08 Dust Plugs  
 2 x RDC-08 Dust Caps  
 Also available separately:  
**RB-08 DUAL BRACKET FOR 1/2 INCH COUPLINGS**  
 (including 4 Circlips)

1/2" sizes can be mounted in dual breakaway bracket, by means of circlips around sleeve. If farm implement being towed disconnects from tractor, coupling halves will break apart without damage to hoses.

A Push/Pull Sleeve coupling mounted in breakaway bracket will allow male tip to push-to-connect.

A Single Acting coupling requires coupling to be pushed forward from behind breakaway bracket to connect.

### SPARE PARTS & ACCESSORIES:

#### O RINGS & BACK UP WASHERS SOLD IN PACKS ONLY

Pack Part No.	Pack Contains	Suits
<b>R80D-04TO</b>	5 ea -04 O Ring & Teflon Back up Washer	R80-04F, R94-04F
<b>R80D-06TO</b>	5 ea -06 O Ring & Teflon Back up Washer	R80-06F, R94-06F
<b>R81D-08TO</b>	5 ea -08 O Ring & Teflon Back up Washer Note: Also suits newer Push/Pull Sleeve Couplings with lip	R81-08F, R86-12F, R94-08F, R81-08P, R85-08P, R86-12P, R91-08F, R91-08P, R94-08P, R96-12P
<b>R81D-08PTO</b>	5 ea -08 O Ring & Teflon Back up Washer Push/Pull Sleeve Note: Suits older Push/Pull Sleeve Couplings without lip	R81-08P, R85-08P, R86-12P, R91-08F, R91-08P, R94-08P, R96-12P If Coupling has lip in front of O Ring use R81D-08TO
<b>R82D-12TO</b>	5 ea -12 O Ring & Teflon Back up Washer	R82-12F, R85-12F
<b>R82D-16TO</b>	5 ea -16 O Ring & Teflon Back up Washer	R82-16F, R85-16F
<b>R85D-04TO</b>	5 ea -04 O Ring & Teflon Back up Washer	R85-04F
<b>R85D-06TO</b>	5 ea -06 O Ring & Teflon Back up Washer	R85-06F
<b>R86D-14SK</b>	5 ea -14 Seal Kit (O Ring & Teflon Back up Washer)	R86-14F

### RUBBERISED DUST CAPS & PLUGS (DP = DUST PLUG, DC = DUST CAP)

Black Part No.	Red Part No.	Suits
<b>QDP-04</b> <b>QDC-04</b>		R80-04F, R85-04F, R94-04F, R80-04M, R85-04M, R94-04M
<b>QDP-06</b> <b>QDC-06</b>		R80-06F, R85-06F, R94-06F, R80-06M, R85-06M, R94-06M
<b>QDP-08</b>	<b>RDP-08</b>	R81-08F, R81-08P, R85-08P, R86-12F, R86-12P, R86-14P, R91-08F, R91-08P, R96-12P, R94-08F, R94-08P
<b>QDC-08</b>	<b>RDC-08</b>	R81-08M, R85-08M, R86-12M, R86-14M, R91-08M, R94-08M, R96-12M
<b>QDP-12</b> <b>QDC-12</b>		R82-12F, R85-12F, R82-12M, R85-12M



**For any other technical information please contact H.I.S. Hose Sales Department.**  
**Note: Full range of dust caps and plugs are available.**

## MOULD & DIE COUPLINGS

### TECHNICAL DESCRIPTION

The 86, 87 and 88 RECTUS Moldtite coupling series were especially developed for connecting coolant lines and injection molds. Countersunk plugs can easily be connected and disconnected because of the extended sleeve. The angular connections prevent kinks from forming in the hose.

### ADVANTAGES

Available in single shut-off, double shut-off or straight-through versions. The shut-off couplings (with valve) are equipped with nickel plated sleeves for quick and accurate visual differentiation.

### Working Pressure

PB = 15 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature\*

-15 °C up to +200 °C (FKM) depending on the medium.

\*At a temperature below

-15 °C and above +200 °C special seals are available on request.

### MATERIAL

Coupling	Standard
Back Body	Brass
Valve Body	Brass
Sleeve	Brass (without valve)
Sleeve	Brass, Nickel Plated (with valve)
Valve	Brass
Locking Balls	AISI 420
Seals	FKM
Spring & Locking Rings	AISI 301
<b>Plug</b>	
Plug Profile	Brass
Adaptor	Brass
Valve	Brass
Spring & Locking Ring	AISI 301
Seal	FKM



### COUPLINGS & PLUGS

#### Series 200 & 300

SERIES 200 Part No.	Coupling Type	Hose Tail Size
<b>86KF TF06 MVX (unvalved)</b>	Hose Barb	6mm
<b>86SF AK13 MXX (unvalved)</b>	Male Thread	1/4" BSP
<b>86SF IW13 SXN (unvalved)</b>	Female Thread	1/4" BSP
SERIES 300 Part No.	Coupling Type	Hose Tail Size
<b>87KF TF09 MVX (unvalved)</b>	Hose Barb	10mm
<b>87KB TF09 MVX (valved)</b>	Hose Barb	10mm
<b>87KF TF13 MVX (unvalved)</b>	Hose Barb	13mm
<b>87KB TF13 MVX (valved)</b>	Hose Barb	13mm
<b>87KB TR13 MVX (unvalved)</b>	Hose Barb 90°	13mm
SERIES 300 Part No.	Plug Type	Thread Size
<b>87SF AK13 MXX (unvalved)</b>	Male Thread	1/4" BSP
<b>87SF AK17 MXX (unvalved)</b>	Male Thread	3/8" BSP
<b>87SF AK21 MXX (unvalved)</b>	Male Thread	1/2" BSP
<b>87SF IW17 SXN (unvalved)</b>	Female Thread	3/8" BSP
<b>87SF IW21 SXN (unvalved)</b>	Female Thread	1/2" BSP

For any other technical information please contact H.I.S. Hose Sales Department.

Note: Full range of dust caps and plugs are available.

Email Enquiries: [admin@hishose.com.au](mailto:admin@hishose.com.au)

E & O.E 2006

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QD HOSE COUPLINGS

MOULD COUPLINGS



**H.I.S. HOSE**

Proprietary Limited



**ON-SITE INSTALLATION & SERVICE**

**1800 803 222**

**FLUID POWER SERVICE**