TAIPAN

AUSTRALIAN HOSE & FITTINGS

→

TAIPAN

Hydraulic Hose Systems

NEW NAME. NEW LOOK. SAME EVERYTHING ELSE.

Australian Hose and Fittings Pty Ltd is excited to announce its new trading name, Taipan Pty Ltd.

We launched Taipan in 2010 as our own brand of hydraulic hose systems. Since then our logo has featured the original Taipan motiff as well as our company name - Australian Hose & Fittings.

Today, Taipan products account for the lion's share of our sales and customer relationships.

So the time is right for us to simplify things by focussing on Taipan alone and modernising our graphics too.

Nothing else changes. While we're changing our trading name to Taipan Pty Ltd, and our logo, the company's owners and managers are unchanged.

Our sales and technical teams are unchanged. We'll continue to supplement our range by supplying other world-class specialised products and equipment, such as Hydralok and Taimi. And you can rest assured that we will continue to deliver the same great service and support that sets us apart in the industry.

Got questions? Call me, Allan Sandillands, Owner & CEO, anytime on **0409 887 716**.

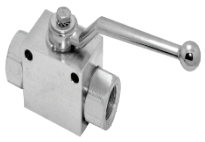
PH: 1300 654 782

www.taipan.com.au

TAIPAN

Hydraulic Hose Systems

SECTION 4
ACCESSORIES

High Pressure Ball Valves	**HPBV** | Page 221  Straight	**HPBV3-L** | Page 221 L Port	**HPBV3-T** | Page 221 T Port	MORE PRODUCTS COMING SOON
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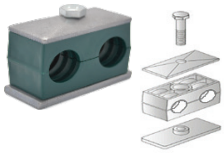
DOUBLE | Page 223  Double ribbed insert	**HD SINGLE** Page 224 Single UV ribbed insert	**Smooth Bore - Polyamide**	**SINGLE SB** Page 224 Single smooth bore insert	**DOUBLE SB** Page 225 Double smooth bore insert
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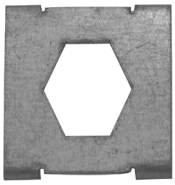
SP-D | Page 226  Double	**Stainless Steel Hose Clamp**	**SC-W2** | Page 227 Ultra Heavy Duty	MORE PRODUCTS COMING SOON	**Hose Assembly Equipment**

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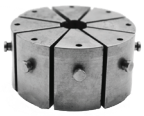
E-H-Q | Page 237 Dies H Series	**E-L-Q** | Page 237 Dies L Series	**E-M-Q** | Page 237  Dies M Series	**Foam Insert** | Page 238 Foam Insert for E-H25 Mini	**FB** | Page 0238 Foam Bullets
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BSPP

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BSPP ED

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ORFS Male D90

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MORE PRODUCTS COMING SOON

MORE PRODUCTS COMING SOON

MORE PRODUCTS COMING SOON

Agriculture

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Ball

KQRP/B-F-PP
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Ball Push Pull ISO7241-1 A-Series

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Tractor Rigid Mount Breakaway

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Flat Face

KQFFTP-F/M
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Interchange 420 Bar

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ISO16028 A-Series High-Pressure Caps/Plugs

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ISO16028 A-Series High-Pressure Connect Under Pressure

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ISO14541 700 BAR Caps and Plugs

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ISO14540 700 BAR

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Interchange Tema T Series Connect Under Pressure

PBR Interchange

KQRC-C/P/-PBR
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Caps, Plugs & Seal Kits

KQRP-F/M-PBR
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Poppet Coupler

Poppet

KQRP-F/M- A/NV
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ISO7241-1 A-Series

KQRC-C/P-A/NV
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ISO7241-1 A-Series Caps, Plugs & Seal Kits

KQRP-F/M-A/NV CUP
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ISO7241-1 A Series Push Pull

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KQRP-F/M-B-BRASS
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ISO7241-1B B-Series (Carpet Cleaners)

KQRP-F/M-NV
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NV Series

KQRC-C/P/F-NV
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Caps, Plugs & Seal Kits

Screw Together

KQRC-C-VD
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ISO14541 Caps and Plugs

KQRS-F/M-VD
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ISO14541 Poppet

KQRS-F/M-VV
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Poppet

Screw Together Flat Face

KQRS-F/M-FF-BSP
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Flat Face

MORE PRODUCTS COMING SOON

MORE PRODUCTS COMING SOON

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QD | Page 259	**QD-KIT** | Page 259	**QDM** | Page 259	**QDM-KIT** | Page 260	**Straight Swivels**
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	PICTURE NOT AVAILABLE		PICTURE NOT AVAILABLE	PICTURE NOT AVAILABLE
BSP Male/Female	BSP Male/Male	JIC Male/Female	JIC Male/Male	ORFS Male/Female
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ORFS Male/Male		ORFS X UNO F/M	BSPP X UNO F/M	Seal Kit

High Pressure Ball Valves

Carbon steel EN-10277-3, Seals NBR,
Seating Ball: P.O.M (Delrin), Handle: ZAMAK-5
Temperature range -30 to 100 Degree C
Designed for oil hydraulic applications according to European Directive 97.23EC
Interchange/ equivalents: Inteva V2RH, Pister BKH, MHA BKH, HYDAC KHB, DMIC DVH, STAUFF BBV2/CBVT

High Pressure Ball Valves

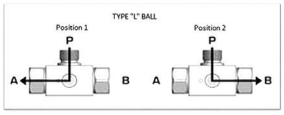
Straight

Part Number	Pressure Rating/Bar	Female Thread			
HPBV-04	500	1/4" BSPP			
HPBV-06	500	3/8" BSPP			
HPBV-08	500	1/2" BSPP			
HPBV-12	400	3/4" BSPP			
HPBV-16	350	1" BSPP			
HPBV-20	350	1 1/4" BSPP			
HPBV-24	350	1 1/2" BSPP			

High Pressure Ball Valves

L Port

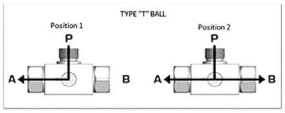
Part Number	Pressure Rating/Bar	Female Thread			
HPBV3-04L	500	1/4" BSPP			
HPBV3-06L	500	3/8" BSPP			
HPBV3-08L	500	1/2" BSPP			
HPBV3-12L	400	3/4" BSPP			
HPBV3-16L	350	1" BSPP			



High Pressure Ball Valves

T Port

Part Number	Pressure Rating/Bar	Female Thread			
HPBV3-04T	500	1/4" BSPP			
HPBV3-06T	500	3/8" BSPP			
HPBV3-08T	500	1/2" BSPP			
HPBV3-12T	400	3/4" BSPP			
HPBV3-16T	350	1" BSPP			



Clamps

PVC Clamps

Clamps

Cushion

Heavy Duty PVC Clamp - Australian Made to AS1977 TYPE 3 /105T | Stainless - made to order

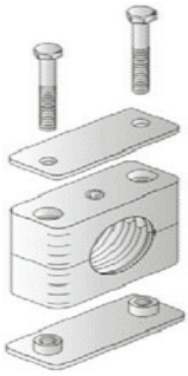
Part Number	Tube Size	Band width	Hole size
PC6-1610	6mm	16mm	10mm
PC8-1910	8mm	19mm	10mm
PC10-1910	10mm	19mm	10mm
PC12-1910	12mm	19mm	10mm
PC13-1910	13mm	19mm	10mm
PC15-1910	15mm	19mm	10mm
PC16-1910	16mm	19mm	10mm
PC18-1910	18mm	19mm	10mm
PC20-2513	20mm	25mm	13mm
PC22-2513	22mm	25mm	13mm
PC23-2513	23mm	25mm	13mm
PC24-2513	24mm	25mm	13mm
PC26-2513	26mm	25mm	13mm
PC28-2513	28mm	25mm	13mm
PC30-2513	30mm	25mm	13mm
PC31-2513	31mm	25mm	13mm
PC32-2513	32mm	25mm	13mm
PC35-2513	35mm	25mm	13mm
PC38-2513	38mm	25mm	13mm
PC40-2513	40mm	25mm	13mm
PC44-2513	44mm	25mm	13mm
PC45-2513	45mm	25mm	13mm
PC46-2513	46mm	25mm	13mm
PC50-2513	50mm	25mm	13mm
PC60-2513	60mm	25mm	13mm
PC67-2513	67mm	25mm	13mm
PC70-2513	70mm	25mm	13mm
PC90-2513	90mm	25mm	13mm

Ribbed - Polypropylene

Clamps

Single

Green ribbed Poylpropylene insert

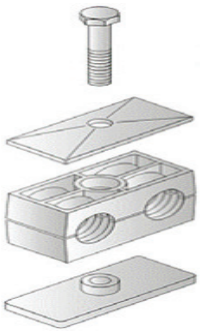


Part Number	Desription	Group	
8mm SINGLE		1	
9.5mm SINGLE		1	
12.7mm SINGLE	Suits 1/4" 1 Wire	1	
14mm SINGLE	Suits 1/4" 2 Wire	2	
15mm SINGLE		2	
16mm SINGLE		2	
18mm SINGLE	Suits 3/8" 1 Wire	2	
19mm SINGLE	Suits 3/8" 2 Wire	2	
20mm SINGLE	Suits 1/2" 1 Wire	3	
22mm SINGLE	Suits 1/2" 2 Wire	3	
25.4mm SINGLE	Suits 5/8" 2 Wire	3	
26.9mm SINGLE	Suits 3/4" 1 Wire	3	
28mm SINGLE		4	
30mm SINGLE	Suits 3/4" 2 Wire	4	
32mm SINGLE		4	
38mm SINGLE	Suits 1" 2 Wire	5	

Clamps

Double

Green ribbed Poylpropylene insert



Part Number	Desription	Group	
8mm DOUBLE		1	
9.5mm DOUBLE		1	
12.7mm DOUBLE	Suits 1/4" 1 Wire	2	
14mm DOUBLE	Suits 1/4" 2 Wire	2	
15mm DOUBLE		2	
16mm DOUBLE		2	
18mm DOUBLE	Suits 3/8" 1 Wire	2	
19mm DOUBLE	Suits 3/8" 2 Wire	2	
20mm DOUBLE	Suits 1/2" 1 Wire	3	
22mm DOUBLE	Suits 1/2" 2 Wire	3	
25.4mm DOUBLE	Suits 5/8" 2 Wire	3	
28mm DOUBLE		4	
30mm DOUBLE	Suits 3/4" 2 Wire	4	
32mm DOUBLE		4	
38mm DOUBLE	Suits 1" 2 Wire	5	

Clamps	Heavy Duty Single

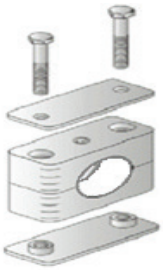
Black UV resistant Polyamide insert

Part Number	Desription		
25.4MM HD SINGLE			
26.9MM HD SINGLE			
32MM HD SINGLE			
33.7MM HD SINGLE			
38MM HD SINGLE			
42MM HD SINGLE			
44.5MM HD SINGLE			
48.3MM HD SINGLE			
50.8MM HD SINGLE			
57MM HD SINGLE			
60.3MM HD SINGLE			
70MM HD SINGLE			

Smooth Bore - Polyamide

Smooth Bpre - Polyamide	Single

Black UV resistant Polyamide insert



Part Number	Desription	Grouping for Bolts & Plates	
6.4MM SINGLE SB		1	
8MM SINGLE SB		1	
9.5MM SINGLE SB		1	
12.7MM SINGLE SB	Suits 1/4" 1 Wire	1	
14MM SINGLE SB	Suits 1/4" 2 Wire	2	
15MM SINGLE SB		2	
16MM SINGLE SB		2	
18MM SINGLE SB	Suits 3/8" 1 Wire	2	
19MM SINGLE SB	Suits 3/8" 2 Wire	2	
20MM SINGLE SB	Suits 1/2" 1 Wire	3	
22MM SINGLE SB	Suits 1/2" 2 Wire	3	
25.4MM SINGLE SB	Suits 5/8" 2 Wire	3	
28MM SINGLE SB		4	
30MM SINGLE SB	Suits 3/4" 2 Wire	4	
32MM SINGLE SB		4	
35MM SINGLE SB		5	
38MM SINGLE SB	Suits 1" 2 Wire	5	
42MM SINGLE SB		5	
50.8MM SINGLE SB		5	

Smooth Bpre - Polyamide

Double

Black UV resistant Polyamide insert

Part Number	Desription	Grouping for Bolts & Plates	
6.4MM DOUBLE SB		1	
8MM DOUBLE SB		1	
9.5MM DOUBLE SB		1	
12.7MM DOUBLE SB	Suits 1/4" 1 Wire	2	
14MM DOUBLE SB	Suits 1/4" 2 Wire	2	
15MM DOUBLE SB		2	
16MM DOUBLE SB		2	
18MM DOUBLE SB	Suits 3/8" 1 Wire	2	
19MM DOUBLE SB	Suits 3/8" 2 Wire	2	
20MM DOUBLE SB	Suits 1/2" 1 Wire	3	
22MM DOUBLE SB	Suits 1/2" 2 Wire	3	
25.4MM DOUBLE SB	Suits 5/8" 2 Wire	3	
28MM DOUBLE SB		4	
30MM DOUBLE SB	Suits 3/4" 2 Wire	4	
32MM DOUBLE SB		4	
38MM DOUBLE SB		5	

Stacking Bolts & Plates

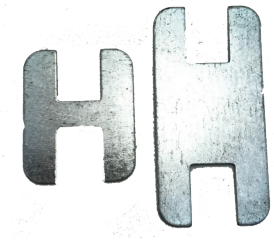
Stacking Bolts & Plates

Stacking Bolt

Part Number	Desription	Grouping for Bolts & Plates	
Single			
SB-G1	M6 X 20 STACKER BOLT	1	
SB-G2	M6 X 25 STACKER BOLT	2	
SB-G3	M6 X 30 STACKER BOLT	3	
SB-G4	M6 X 35 STACKER BOLT	4	
SB-G5	M6 X 50 STACKER BOLT	5	
Double			
SB-G1	M6 X 20 STACKER BOLT	1	
SB-DI2	M8 X 20 STACKER BOLT	2	
SB-DI3	M8 X 29 STACKER BOLT	3	
SB-DI4	M8 X 34 STACKER BOLT	4	
SB-DI5	M8 X 46 STACKER BOLT	5	

Stacking Plate

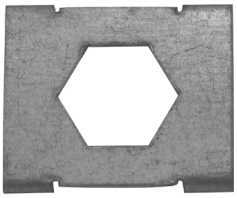
Stacking Plate



Stacking Plate Single

Part Number	Desription	Grouping for Bolts & Plates	
SP-G1	STACKING PLATE SINGLE -CR3 6.4 TO 9.5MM	1	
SP-G2	STACKING PLATE SINGLE -CR3 12.7 TO 18MM	2	
SP-G3	STACKING PLATE SINGLE -CR3 19 TO 25MM	3	
SP-G4	STACKING PLATE SINGLE -CR3 26 TO 30MM	4	
SP-G5	STACKING PLATE SINGLE -CR3 32 TO 42MM	5	

Stacking Plate



Stacking Plate Double

Part Number	Desription	Grouping for Bolts & Plates	
SP-DI1	STACKING PLATE DOUBLE -CR3 6 TO 12MM	1	
SP-DI2/5	STACKING PLATE DOUBLE -CR3 12MM TO 42MM	2-5	

Stainless Steel Hose Clamp

Stainless Steel Hose Clamp | **Ultra Heavy Duty (Mikalor brand)**

W2 - Stainless band with Mild steel bolt

Part Number	Desription		
SC17-19W2			
SC19-21W2			
SC21-23W2			
SC23-25W2			
SC25-27W2			
SC27-29W2			
SC29-31W2			
SC31-34W2			
SC32-35W2			
SC34-37W2			
SC37-40W2			
SC40-43W2			
SC43-47W2			
SC47-51W2			
SC51-55W2			
SC55-59W2			
SC59-63W2			
SC63-68W2			
SC68-73W2			
SC73-79W2			
SC79-85W2			
SC85-91W2			
SC91-97W2			
SC97-104W2			
SC104-112W2			
SC112-121W2			
SC121-130W2			
SC130-140W2			
SC174-187W2			

Cut Off Saw

HCL - Hose Cut Off Saw

You can cut up to 2" two wire hose or up to 1 1/4" four wire hose. Comes standard with a slotted blade to dissipate heat and increase blade life. These lightweight cut off saws are available in a variety of voltages - 12v, 24v and 240v. Great for mobile applications!

UP TO 2" 2 WIRE

LIGHTWEIGHT

MULTI VOLTAGE

Part Number	Description
E-JB1001 - 12v	12v Cutter
E-JB1002 - 24v	24v Cutter
E - HC5102 - 240v	240v Cutter
E - HC11017 - 240v	240v Pull Down Type Cutter

Hose Cut Off Saw (Floor Mounted)

With this floor mounted hose cut off saw, you will be able to cut up to 2" six wire hose The E-HCC3 is a simple, foot operated machine equipped with an air pneumatic cutting action for an easy and consistent cut. It comes with a slotted blade as standard to dissipate heat and reduce wear. Great for the workshop and comes with extraction connector for vacuum exhaust if available.

- 8 BAR air-supply required.

- Smooth blade equivalents available.

- Non air pneumatic version available for 2" 4 wire hose

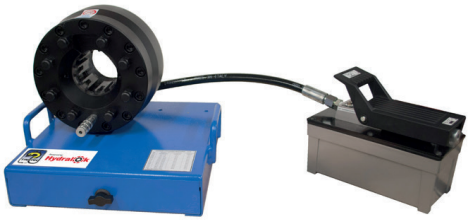
UP TO 2"

FOOT OPERATION

3 PHASE POWER

Part Number	Description
E-HCC3	400v 50hz 3 phase 5.5kw Cutter

Mini Crimpers



H25 Mini

Crimp up to 1" 4 wire hose with this light weight and compact mini crimper. Comes complete with a pneumatic foot pump for easy operation which requires 80-100 psi air supply. Hand pump version is also available. (*Optional 42mm Die available on request).

- Hose capacity: 3/16" - 1" 4 wire 100R12

- Available in hand or air hydraulic foot pump operation

Part Number	Description
E-H25 Mini	Mini crimper with pneumatic foot pump

Die No.	Range	Length	Max Ferrule dia
A160S	16.0 - 20.9	55	28
A21	21.0 - 23.9	50	33
A24	24.0 - 27.9	50	36
A28	28.0 - 30.9	60	40
A31	31.0 - 39.9	60	43
A40	40.0 - 45.9	60	46
A42*	42.0 - 47.9	60	52

*E-H25 Mini Foam Inserts available on Page 238.

UP TO 1"

EASY CHANGE DIES

FOOT OPERATION

LIGHTWEIGHT

H19MM

Crimp up to 3/4" 2 wire hose with this light weight and compact mini crimper. Comes with hand pump as standard and handle for easy on-site operation. Ideal for on-site work with small hose assemblies.

- Hose capacity: 3/16" - 3/4" 2 wire

- Available in hand or air hydraulic foot pump operation

Part Number	Description
E-H19MM	Mini crimper with pneumatic foot pump

Die No.	Range	Length
S160S	16.0 - 18.9	40
S19	19 - 20.9	40
S21	21.0 - 23.9	50
S24	24.0 - 27.9	50
S28	28.0 - 33.9	50

UP TO 1 ½"

NO POWER REQ

EASY CHANGE DIES

LIGHTWEIGHT

UP TO 1"

EASY CHANGE DIES

FOOT OPERATION

NO POWER REQ

H25MM

Crimp up to 1 1/4" wire hose with this light weight and compact mini crimper. Comes complete with a pneumatic foot pump for easy operation which requires 80-100 psi air supply. Hand pump version is also available. (*Optional 42mm Die available on request).

- Hose capacity: 3/16" - 1" 4 wire 100R12

- Available in hand or air hydraulic foot pump operation

Part Number	Description
E-H25MM	Crimper with pneumatic foot pump

Die No.	Range	Length	Max Ferrule dia.	Die No.	Range	Length	Max Ferrule Dia.
H06*	06.0 - 07.9	40	18	H24	24.0 - 27.9	50	36
H08*	08.0 - 09.9	40	20	H28	28.0 - 30.9	60	40
H10*	10.0 - 12.9	40	22	H31	31.0 - 33.9	60	43
H13*	13.0 - 15.9	40	25	H34	34.0 - 39.9	70	46
H16OS	16.0 - 18.9	55	28	H40	40.0 - 43.9	70	52
H19	19.0 - 20.9	40	31	H44	44.0 - 49.9	70	56
H21	21.0 - 23.9	40	33	H50	50.0 - 54.4	75	62

Crimpers

A

H32 Mobile Series

The E-H32 series mobile crimper is capable of crimping hose up to 1 ¼" four wire and up to 1 ½" two wire, with an easy to use push button operation, and is available in 12v and 24v applications. Great for van set ups with it's light-weight and space saving design. Available with or without Quick Change die draws. The H32 mobile is also available in a modular format which breaks the machine down to 3 compontents, crimp head, control unit and pump allowing for a customisable set up to suit your van layout.

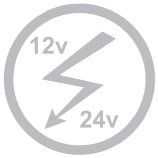
B

- **Hose capacity: 3/16" - 1 ¼" 4 wire**
  (1 ½" 2 wire with extra dies)
- **Crimper Force 1750kN**
- **Cycle Time : O/C 3.5 Sec - C/O 7.5 Sec**
- **Also available in modular design to suit your van layout.**

C

Part Number	Description
E-H32MT4-12v	(A) Crimper No Quick Change
E-H32MT4-12v-QCD	(B) Crimper Inc. Quick Change
E-H32MT4-24v	(A) Crimper No Quick Change
E-H32MT4-24v-QCD	(B) Crimper Inc. Quick Change
E-H32MODULAR-12v	12v Modular Crimper
E-H32MODULAR-24v	24v Modular Crimper

UP TO 1 ¼"



MULTI VOLTAGE

EASY CHANGE DIES

MOBILE FRIENDLY

DIAL CALIBRATION

A

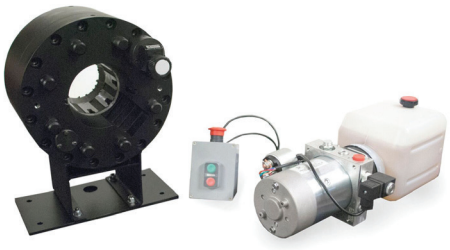
H50 Mobile Series

The E-H50 series mobile crimper is capable of crimping hose up to 2" four wire, with an easy to use push button operation, and is available in 12v and 24v applications. Great for van set ups with it's lightweight and space saving design. Available with or without Quick Change die draws. The H50 mobile is also available in a modular format which breaks the machine down to 3 compontents, crimp head, control unit and pump allowing for a customisable set up to suit your van layout.

B

- **Hose capacity: 3/16" - 2" 4 wire**
- **Crimper Force: 2509kN**
- **Cycle Time: O/C 4.0 Sec - C/O 8.0 Sec**
- **Also available in modular design to suit your van layout.**

C



Part Number	Description
E-H50MT4-12v	(A) Crimper No Quick Change
E-H50MT4-12v-QCT-DRAWS	(B) Crimper Inc. Quick Change
E-H50MT4-24v	(A) Crimper No Quick Change
E-H50MT4-24v-QCT-DRAWS	(B) Crimper Inc. Quick Change
E-H50MODULAR-12V	12v Modular Crimper
E-H50MODULAR-24V	24v Modular Crimper

UP TO 1 ¼" | MULTI VOLTAGE | EASY CHANGE DIES | MOBILE FRIENDLY | DIAL CALIBRATION

A

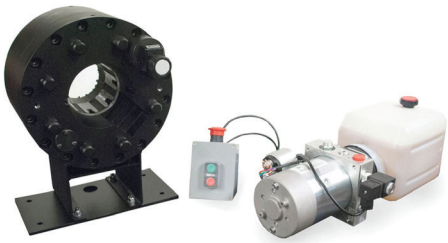
H50-46 Mobile Series

The E-H50-46 series mobile crimper is capable of crimping hose up to 2" four wire, with an easy to use push button operation, and is available in 12v and 24v applications. Great for van set ups with it lightweight and space saving design. Available with or without Quick Change die draws.. The H50-46 mobile is also available in a modular format which breaks the machine down to 3 compontents, crimp head, control unit and pump allowing for a customisable set up to suit your van layout.

B

- **Hose capacity: 3/16" - 2" 4 wire & 1 ½" 6 wire**
- **Crimper Force: 3195kN**
- **Cycle Time: O/C 7.5 Sec - C/O 4 Sec**
- **Also available in modular design to suit your van layout.**

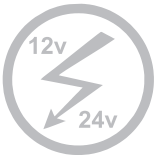
C



Part Number	Description
E-H50MT46-12V	(A) Crimper No Quick Change
E-H50MT46-12V-QCT-DRAWS	(B) Crimper Inc. Quick Change
E-H50MT46-24V	(A) Crimper No Quick Change
E-H50MT46-24V-QCT-DRAWS	(B) Crimper Inc. Quick Change
E-H50-46MODULAR-12V	12V Modular Crimper
E-50-46MODULAR-24v	24V Modular Crimper

*Please note the H50-46 is capable of crimping Taipan's range of 2" 6 wire assemblies

UP TO 1 ¼"



MULTI VOLTAGE

EASY CHANGE DIES

MOBILE FRIENDLY

DIAL CALIBRATION

Crimpers

ECO Series

The ECO series crimper is capable of crimping hose up to 2" 4 wire and 1 ½" 6 wire with an easy to use push button operation. The Eco series is available in single and three Phase power options depending on model ordered. Great for workshop set ups at a lower up front cost. Comes with die rack as shown.

Part Number	Description	Die Type
E-H32B4 (ECO)	1 ¼" (4 wire) Crimper with dies	H Series
E-H50B4 (ECO)	2" (4 wire) Crimper with dies	L Series
E-H50B46 (ECO)	2" & ½" (6 wire) Crimper with dies	M series

*Please note the H50-46 is capable of crimping Taipan's range of 2" 6 wire assemblies

UP TO 2"

ELECTRICALLY OPERATED

EASY CHANGE DIES

DIAL CALIBRATION

Crimpers

HydraTouch Series

The Hydratouch series crimpers are capable of crimping hose up to 2" six wire hose, with an easy to use foot pedal or button operation and new touch-screen technology for easy crimp selection and updating. The Hydratouch Series is available in single and three Phase power options depending on model ordered. Great for workshop set ups. Comes with die rack as shown.

Part Number	Description	Die Type
E-H32CE4Q	1 ¼" (4 wire) Crimper with dies	H Series
E-H50CE4Q	2" (4 wire) Crimper with dies	L Series
E-H50CE46Q	2" & ½" (6 wire) Crimper with dies	M series
E-H50CE6Q	2" (6 wire) Crimper with dies	M series

*Please note the H50-46 is capable of crimping Taipan's range of 2" 6 wire assemblies

UP TO 2"

ELECTRICALLY OPERATED

EASY CHANGE DIES

TOUCH SCREEN

FOOT OPERATION

Hydraflare & Static Hose Tester

Hydraflare

You can flare tube from 1/4" up to 1 1/2" or 42mm using a Twin speed hand pump, with an integral relief valve. The hand pump produces up to 690bar (10,000psi) and comes with an easy to read Pressure Gauge.

Part Number	Description
E-HF1	Hydraflare tool with hand pump (1")
E-HF3	Hydraflare tool with hand pump (1 1/2")

Part Number	Tube	To Suit Tube Nut & Sleeve (QTIA9/10k--)
E-PF1-04	1/4"	7/16" JIC
E-PF1-05	5/16"	1/2" JIC
E-PF1-06	3/8"	9/16" JIC
E-PF1-08	1/2"	3/4" JIC
E-PF1-10	5/8"	7/8" JIC
E-PF1-12	3/4"	1 1/6" JIC
E-PF1-16	1"	1 5/16" JIC
E-PF3-20	1 1/4"	1 5/8" JIC
E-PF3-24	1 1/2"	1 7/8" JIC

*Metric dies also available

UP TO 1 1/2"

LIGHTWEIGHT

PRESSURE GAUGE

Die Charts

H Series Dies

Die No.	Range	Length	Max Ferrule dia.	Die No.	Range	Length	Max Ferrule Dia.
H06*	06.0 - 07.9	40	18	H24	24.0 - 27.9	50	36
H08*	08.0 - 09.9	40	20	H28	28.0 - 30.9	60	40
H10*	10.0 - 12.9	40	22	H31	31.0 - 33.9	60	43
H13*	13.0 - 15.9	40	25	H34	34.0 - 39.9	70	46
H16OS	16.0 - 18.9	55	28	H40	40.0 - 43.9	70	52
H19	19.0 - 20.9	40	31	H44	44.0 - 49.9	70	56
H21	21.0 - 23.9	40	33	H50	50.0 - 54.4	75	62

* Special dies available on request.

L Series Dies

Die No.	Range	Length	Max Ferrule dia.	Die No.	Range	Length	Max Ferrule dia.
L06*	06.0 - 07.9	40	18	L34	34.0 - 39.9	70	46
L08*	08.0 - 09.9	40	20	L40	40.0 - 43.9	70	52
L10*	10.0 - 12.9	40	22	L44	44.0 - 49.9	70	56
L13*	13.0 - 15.9	40	25	L50	50.0 - 54.4	80	62
L16OS	16.0 - 18.9	55	28	L54.5	54.5 - 57.9	80	67
L19	19.0 - 20.9	40	31	L58	58.0 - 61.9	105	70
L21	21.0 - 23.9	40	33	L62	62.0 - 69.9	110	74
L24	24.0 - 27.9	50	52	L70	70.0 - 76.9	110	82
L28	28.0 - 30.9	60	40				
L31	31.0 - 33.9	60	43				

* Special dies available on request.

M Series Dies

Die No.	Range	Length	Max Ferrule dia.	Die No.	Range	Legnth	Max Ferrule Dia.
M06*	06.0 - 07.9	40	18	M34	34.0 - 39.9	70	
M08*	08.0 - 09.9	40	20	M40	40.0 - 43.9	85	
M10*	10.0 - 12.9	40	22	M44	44.0 - 49.9	80	
M13*	13.0 - 15.9	40	25	M50	50.0 - 54.4	80	
M16OS	16.0 - 18.9	55	28	M54.5	54.5 - 57.9	100	
M19	19.0 - 20.9	40	31	M58	58.0 - 61.9	105	
M21	21.0 - 23.9	50	33	M62	62.0 - 69.9	110	
M24	24.0 - 27.9	50	36	M70	70.0 - 76.9	110	
M28	28.0 - 30.9	50	40	M77	77.0 - 83.0	120	
M31	31.0 - 33.9	60	43				

* Special dies available on request.

Crimper Equitment

E-H25 Mini Foam Insert

Part Number	Description		
E-H25-MINI FOAM INSERT	FOAM INSERTS X 8 FOR DIE CARRIERS H25MINI		

Hose Assembly Equipment

Foam Bullets

Part Number	Description	Qty	
FB07	1/4 FOAM BULLET 25TX 6MM	1+	
FB09	1/4 FOAM BULLET 25T X 9MM	1+	
FB11	3/8 FOAM BULLET 25T X 11MM	1+	
FB14	1/2 FOAM BULLET 25T X 14MM	1+	
FB21	3/4 FOAM BULLET 30T X 21MM	1+	
FB27	1 FOAM BULLET 30T X 27MM	1+	
FB27L	1 FOAM BULLET 50T X 27MM	1+	
FB33	1 1/4 FOAM BULLET 40T X 33MM	1+	
FB40	1 1/2 FOAM BULLET 45T X 40MM	1+	
FB40L	1 1/2 FOAM BULLET 50T X 40MM	1+	
FB53	2 INCH FOAM BULLET 50T X 53MM	1+	

Hose Assembly Equipment

Hose Cleaning Kit

Part Number	Description		
CES10	HOSE CLEANING KIT 6MM TO 50MM C.W 10 NOZZLES		

Test Equipment

Hydra Flare

Static Tester

Part Number	Description		
BPT-G175WL	HYDRASTATIC HOSE TESTER		

Test Equipment

Test Kit Analogue

Part Number	Description		
TEST KIT ANALOGUE	3 x GAUGES 25MPA, 40MPA, 60MPA TEST 20 COUPLINGS: M10*1 M14 x 1.5 G1/4 R1/4 UNF 7/16 NPT 1/4-18 3 x TEST HOSE LENGTH: 1.5M		

Test Equipment

Test Kit Digital

Part Number	Description		
TEST KIT DIGITAL	2 DIGITAL GAUGES 700BAR 2 X TEST HOSES 1.5M 9 TEST COUPLINGS 1/8 BSPP 1/4 BSPP 3/8 BSPP M10*1 M10*1.25 M14*1.5 7/16-20UNF 9/16-18UNF 1/4NPT 2 COUPLERS CASE/ JOHN DEERE * 1/8BSPF and KOMATSU/ HITACHI X M14*1.5F		

Hose Protectors

Caps

Hose Protectors

Code 61

Part Number	Description		
F61PC-12	PLASTIC CAP CODE 61 X 3/4		
F61PC-16	PLASTIC CAP CODE 61 X 1		
F61PC-20	PLASTIC CAP CODE 61 X 1 1/4		

Hose Protectors

Code 62

Part Number	Description		
F62PC-12	PLASTIC CAP CODE 62 X 3/4		
F62PC-16	PLASTIC CAP CODE 62 X 1		
F62PC-20	PLASTIC CAP CODE 62 X 1 1/4		

Hose Protectors

Heat Shrink

Part Number	Description		
CSC-2030P	CLEAN SEAL CAPSULES FITS 12 TO 18MM HEX		
CSC-2224P	CLEAN SEAL CAPSULES FITS 16 TO 21MM HEX		
CSC-2527P	CLEAN SEAL CAPSULES FITS 18 TO 23MM HEX		
CSC-3133P	CLEAN SEAL CAPSULES FITS 24 TO 29MM HEX		
CSC-3840P	CLEAN SEAL CAPSULES FITS 30 TO 36MM HEX		
CSC-4345P	CLEAN SEAL CAPSULES FITS 32 TO 41MM HEX		
CSC-5260P	CLEAN SEAL CAPSULES FITS 41 TO 50MM HEX		
CSC-5860P	CLEAN SEAL CAPSULES FITS 49 TO 56MM HEX		
CSC-6760P	CLEAN SEAL CAPSULES FITS 55 TO 65MM HEX		
CSC-8060P	CLEAN SEAL CAPSULES FITS 64 TO 78MM HEX		

Hose Protectors

JIC

Part Number	Description		
JC-07	PLASTIC CAP 7/16 JIC		
JC-09	PLASTIC CAP 9/16 JIC		
JC-12	PLASTIC CAP 3/4 JIC		
JC-14	PLASTIC CAP 7/8 JIC		
JC-17	PLASTIC CAP 1 1/16 JIC		
JC-21	PLASTIC CAPS 1 5/16 JIC		
JC-26	PLASTIC CAP 1 5/8 JIC		
JC-30	PLASTIC CAP 1 7/8 JIC		

Plugs

Hose Protectors

BSP

Part Number	Description		
BP-04	PLASTIC PLUG BSP		
BP-06	PLASTIC PLUG BSP		
BP-08	PLASTIC PLUG BSP		
BP-12	PLASTIC PLUG BSP		
BP-16	PLASTIC PLUG BSP		

Hose Protectors

JIC Male

Part Number	Description		
JP-07	PLASTIC PLUG 7/16 JICM		
JP-09	PLASTIC PLUG 9/16 JICM		
JP-12	PLASTIC PLUG 3/4 JICM		
JP-14	PLASTIC PLUG 7/8 JICM		
JP-17	PLASTIC PLUG 1 1/16 JICM		
JP-21	PLASTIC PLUG 1 5/16 JICM		
JP-26	PLASTIC PLUG 1 5/8 JICM		
JP-30	PLASTIC PLUG 1 7/8 JICM		

Hose Protectors

ORFS

Part Number	Description		
JP-11-ORFS	PLASTIC PLUG 11/16 ORFS		
JP-13-ORFS	PLASTIC PLUG 13/16 ORFS		
JP-16-ORFS	PLASTIC PLUG 1 ORFS		
JP-19-ORFS	PLASTIC PLUG 1 3/16 ORFS		
JP-23-ORFS	PLASTIC PLUG 1 7/16 ORFS		
JP-27-ORFS	PLASTIC PLUG 1 11/16 ORFS		

Hose Protection

Hose Protection

Safe Sleeve

MSHA approved
Meets the requirements of ISO 3457, EN4413 and EN1299
Recommended for use to protect personel near by from hose burst (pin hole tested)
Recommended temperature range -40 to 120 Deg C - UV resistant
Material - Polypropylene

Part Number	DESCRIPTION	Roll Size (M)	
SSMSHA-ID17	SAFE SLEEVE MSHA 17MM ID (27MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID23	SAFE SLEEVE MSHA 23MM ID (36MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID27	SAFE SLEEVE MSHA 27MM ID (42MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID30	SAFE SLEEVE MSHA 30MM ID (50MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID39	SAFE SLEEVE MSHA 39MM ID (62MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID46	SAFE SLEEVE MSHA 46MM ID (73MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID55	SAFE SLEEVE MSHA 55MM ID (87MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID62	SAFE SLEEVE MSHA 62MM ID (98MM FLAT) -40 TO 120 DEG	50M	

SSMSHA-ID78	SAFE SLEEVE MSHA 78MM ID (123MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID109	SAFE SLEEVE MSHA 109MM ID (172MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID125	SAFE SLEEVE MSHA 125MM ID (197MM FLAT) -40 TO 120 DEG	50M	

Hose Protection

Scuff Cover

MSHA approved, RoHS, ISO6945
Polyester textile sleeve consists of polyester multifilament, with particularly smmoth inner wall, it could reduce frictional resistance problems providing easy installation.The tight woven construction helps dispensethe flow of fluid in a ruptured hose.
Material - Polyester
Operating Temperature -50 to 150 Deg C, Melting point 240 Deg C

Part Number	DESCRIPTION	Roll Size (M)	
SCMSHA-ID17	SCUFF COVER MSHA 17MM ID (27MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID23	SCUFF COVER MSHA 23MM ID (40MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID27	SCUFF COVER MSHA 27MM ID (45MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID30	SCUFF COVER MSHA 30MM ID (50MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID40	SCUFF COVER MSHA 40MM ID (65MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID44	SCUFF COVER MSHA 44MM ID (69MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID55	SCUFF COVER MSHA 55MM ID (90MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID60	SCUFF COVER MSHA 60MM ID (95MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID66	SCUFF COVER MSHA 66MM ID (104MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID73	SCUFF COVER MSHA 73MM ID (115MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID94	SCUFF COVER MSHA 94MM ID (146MM FLAT) -50 TO 150 DEG	50M	

Continued on following page...

Hose Protection

Spiral Guard

General Purpose Flat Spiral Guard - Made from High Density Polyethylene (HDPE),
Black suitable for use -40 to 80 deg C
Oil Resistant and UV resistant
Other colours and FRAS rated available on request.

Part Number	I.D. (mm)	O.D. (mm)	Roll Size (M)
R12SSG-AHF	9.50	12.50	50
R16SSG-AHF	12.50	16.00	20
R20SSG-AHF	16.00	20.00	20
R25SSG-AHF	21.00	25.00	20
R32SSG-AHF	27.00	32.00	20
R40SSG-AHF	34.00	40.00	20
R50SSG-AHF	44.00	50.00	20
R63SSG-AHF	55.00	63.00	20
R75SSG-AHF	66.00	75.00	20
R90SSG-AHF	79.00	90.00	20
R110SSG-AHF	99.00	110.00	12

Ties/Restraints

Ties / Restraints

Bundle Straps

Bundling strip is made from 25mm length of PP Textile sleeve with a Steel buckle, It can hold up to 2450N weight. This product is widely used to bundle hydraulic hose or other cables. It can be quickly and easily assembled and dismantled. It can also be reused more than once.

Part Number	STRAP LENGTH		
TBS600	600MM		
TBS1000	1000MM		
TBS1500	1500MM		

Ties / Restraints

FCC Crimp Rings

For attaching SCMSHA & SSMSHA
Material - Mild steel Cr3 plated

Part Number	ID		
FCC04	25MM		
FCC06/08	32MM		
FCC10/12	38MM		
FCC16	48MM		
FCC20	59MM		
FCC24	65MM		
FCC32	82MM		

Ties / Restraints

Hose Restraints - Wire Cable Stockings

What Is a Hose Restraint? A stocking or sock type hose restraint is a woven sleeve of helical design that shrinks and tightens when it is slid onto a hose. When fitted, the device will prevent uncontrolled movement of a pressure hose in the event of coupling disconnection or hose failure. The whipping motion of a failed hose can result in personal injury, property damage or death.

Construction - Two Ply Galvanised Strand Alloy Ferrules, Galvanised thimbles with Heat shrink protection (available in a variaty of colours)

Part Number	Hose I.D. (mm)	Grip Length On Hose	Breaking Strength KG/kN
HR2010	10-14	350	1500 / 15
HR2014	14-19	400	2400 / 24
HR2019	19-28	500	3800 /38
HR2028	28-40	600	5800 / 57
HR2040	40-50	800	5800 / 57
HR2050	50-60	900	10000 / 100
HR2060	60-70	900	10000 / 100
HR2070	70-85	1000	10000 / 100
HR2085	85-100	1000	16000 / 158
HR2100	100-120	1200	16000 / 158
HR2120	120-150	1400	21500 / 211
HR2150	150-190	1600	31000 / 305

Ties / Restraints

Vinyl Bend Restrictors

Made from High quality PVC
Temperature rating - -40 to 90 Deg C
Widely used for pressure wash and Jacking hiose assemblies to reduce the bending stress near the hose coupling. This added protection prevents damage to the hose and ultimately extends the life cycle of the hose

Part Number	length	Min Hose OD	Max Hose OD
VBR-0095	134.6mm	9.5	14.6
VBR-0150	140mm	15.0	17.5
VBR-0175	152.4mm	17.5	19.0
VBR-0190	177.8mm	19.0	21.0

Ties / Restraints

Zip Ties

Part Number	Description	Unit	
ZIPTIE 200 X 4.5 X100	Zip Tie	PKT	
ZIPTIE 280 X 4.5 X 100	Zip Tie	PKT	
ZIPTIE 360 X 7.5 X 100	Zip Tie Heavy Duty	PKT	
ZIPTIE 500 X 7.5 X 100	Zip Tie Heavy Duty	PKT	

O'Ring / Retaining Rings

O'Ring / Retaining Rings

BSPP

Part Number	Size		
BO02	1/8		
BO04	1/4		
BO06	3/8		
BO08	1/2		
BO12	3/4		
BO16	1		
BO20	1 1/4		
BO24	1 1/2		
BO32	2		

O'Ring / Retaining Rings

BSPP ED Seal

Part Number	Size		
OR-ED04	1/4		
OR-ED06	3/8		
OR-ED08	1/2		
OR-ED12	3/4		
OR-ED16	1		
OR-ED20	1 1/4		

O'Ring / Retaining Rings

BSPP Retaining Ring

Part Number	Size		
BRRO02	1/8		
BRRO04	1/4		
BRRO06	3/4		
BRR08	1/2		
BRR12	3/4		
BRR16	1		
BRR20	1 1/4		
BRR24	1 1/2		
BRR32	2		

O'Ring / Retaining Rings

ORFS Male O'Ring D90

Part Number	Size		
ORORFS09	9/16		
ORORFS11	11/16		
ORORFS13	13/16		
ORORFS16	1		
ORUNO19	1 3/16		
ORORFS23	1 7/16		
ORORFS27	1 11/16		
ORORFS32	2		

O'Ring / Retaining Rings

SAE Flange O'Ring D90

Part Number	Size		
ORFL08	1/2		
ORFL10	5/8		
ORFL12	3/4		
ORFL16	1		
ORFL20	1 1/4		
ORFL24	1 1/2		
ORFL32	2		

O'Ring / Retaining Rings

UNO O'Ring D90

Part Number	Size		
ORUNO07	7/16		
ORUNO09	9/16		
ORUNO12	3/4		
ORUNO14	7/8		
ORUNO17	1 1/16		
ORUNO21	1 5/16		

Couplers

Agriculture

Couplers

Ball Coupler

Manufactured from zinc plated carbon steel. Hardened ball contact areas. Standard seals are nitrile, back up rings are PTFE. Viton seals are available on request.
Interchanges with DNP PPS1, Stucchi, IR (Ball) Series, Parker 4000.

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRB-04F	300	1/4" BSPP	12	6.3	14.20
KQRB-04M	300	1/4" BSPP	12	6.3	14.20
KQRB-06F	250	3/8" BSPP	23	10	19.00
KQRB-06M	250	3/8" BSPP	23	10	19.00
KQRB-08F	200	1/2" BSPP	30	12.5	20.55
KQRB-08M	200	1/2" BSPP	30	12.5	20.55
KQRB-12F	200	3/4" BSPP	60	19	27.93
KQRB-12M	200	3/4" BSPP	60	19	27.93

Couplers

Ball Push Pull ISO7241-1 Series-A

Manufactured from zinc plated carbon steel. Hardened ball contact areas. Standard seals are nitrile, back up rings are PTFE. Viton seals are available on request.
Interchanges with DNP PPS1, Stucchi, IR (Ball) Series, Parker 4000.

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRB-08F-PP	200	1/2" BSPP	30	12.5	20.55

Couplers

Tractor Rigid Mount Breakaway Coupler

Interchanges with Inteva 1077 Series ISO 7421-A Faster 3CFPV, 4SRP, Parker RSD

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	
KQRP-08F-JD-PP-SW	275	1/2" BSPP	90	12.5	

Diagnostic Test Port

Couplers

Interchange 420 Bar

Interchanges with: Stauff Test 20, Parker EMA3 Series

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQFFTP-04F-BSPTF	420	1/4" BSPT	2	6.3	12.60
KQFFTP-04M-BSPTF	420	1/4" BSPT	2	6.3	12.60
KQFFTP-04F-UNO	420	7/16" UNO	2	6.3	12.60
KQFFTP-04M-UNO	420	7/16" UNO	2	6.3	12.60
KQFFTP-04F-NPTF	420	1/4" NPT	2	6.3	12.60
KQFFTP04M-NPTM	420	1/4" NPT	2	6.3	12.60

Couplers

Interchange 620 Bar

Interchanges with Inteva 136 Series, Faster DF Series, Parker PD Series.

Part Number	Pressure Rating/Bar	Male Thread	Rated Flow Rate L/M		
KQTPE04	620	1/4" BSPTM	0.8		
KQTPD02	620	1/8" BSPPM	0.8		
KQTPD04	620	1/4" BSPPM	0.8		
KQTPP07	620	7/16" UNO M	0.8		

Flat Face

Couplers

ISO16028 A-Series High-Pressure

Flat interface allows easy cleaning. Low spill, low air inclusion. Safety locking sleeve. 12-20 locking balls for optimum life. 3/8" sizes meets HTMA interchange dimensions.
Interchanges with DNP PLT4, Stucchi FITG/A Series, Faster 2FFI (up to 1/2") & FFN38, Parker FF (3/8" only, Hansen QA, Ryco R110-06/08, Safeway FF49, Aeroquip FD89/FD49

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter Φ
KQRF-02-02AF	500	1/8" BSPP	3	5.0	13.60
KQRF-02-02AM	500	1/8" BSPP	3	5.0	13.60
KQRF-04-04F	400	1/4" BSPP	12	6.3	16.20
KQRF-04-04M	400	1/4" BSPP	12	6.3	16.20
KQRF-06-06F	350	3/8" BSPP	23	10.0	19.80
KQRF-06-06M	350	3/8" BSPP	23	10.0	19.80
KQRF-06-08F	350	1/2" BSPP	23	10.0	19.80
KQRF-06-08F-UNO	350	3/4" UNO	23	10.0	19.80
KQRF-06-08M	350	1/2" BSPP	23	10.0	19.80

Continued on following page...

Couplers

ISO16028 A-Series High-Pressure *Continued...*

KQRF-06-08M-UNO	350	3/4" UNO	23	10.0	19.80
KQRF-08-08AF	350	1/2" BSPP	45	12.5	24.60
KQRF-08-08AM	350	1/2" BSPP	45	12.5	24.60
KQRF-08-10F UNO	350	7/8" UNO	45	12.5	24.60
KQRF-08-10M UNO	350	7/8" UNO	45	12.5	24.60
KQRF-08-12F	350	3/4" BSPP	45	12.5	24.60
KQRF-08-12F UNO	350	1 1/16" UNO	45	12.5	24.60
KQRF-08-12M	350	3/4" BSPP	45	12.5	24.60
KQRF-08-12M UNO	350	1 1/16" UNO	45	12.5	24.60
KQRF-10-12F-BSP	350	3/4" BSPP	74	16.0	27.00
KQRF-10-12F-UNO	350	1 1/16" UNO	74	16.0	27.00
KQRF-10-12M-BSP	350	3/4" BSPP	74	16.0	27.00
KQRF-10-12M-UNO	350	1 1/16" UNO	74	16.0	27.00
KQRF-12-12F BSP	350	3/4" BSPP	100	19.0	30.00
KQRF-12-12F UNO	350	1 1/16" UNO	100	19.0	30.00
KQRF-12-12M BSP	350	3/4" BSPP	100	19.0	30.00
KQRF-12-12M-UNO	350	1 1/16" UNO	100	19.0	30.00
KQRF-12-16F	350	1" BSPP	100	19.0	30.00
KQRF-12-16F-UNO	350	1 5/16" UNO	100	19.0	30.00
KQRF-12-16M	350	1" BSPP	100	19.0	30.00
KQRF-12-16M-UNO	350	1 5/16" UNO	100	19.0	30.00
KQRF-16-16F BSP	350	1" BSPP	189	25.0	36.00
KQRF-16-16M BSP	350	1" BSPP	189	25.0	36.00
KQRF-16-20F	350	1 1/4" BSPP	189	25.0	36.00
KQRF-16-20M	350	1 1/4" BSPP	189	25.0	36.00
KQRF-20-20F	250	1 1/4" BSPP	260	31.5	44.00
KQRF-20-20M	250	1 1/4" BSPP	260	31.5	44.00
KQRF-24-24F	250	1 1/2" BSPP	379	40.0	57.00
KQRF-24-24M	250	1 1/2" BSPP	379	40.0	57.00

Couplers

ISO16028 A-Series High-Pressure Bulkhead

Interchanges with: DNP PLT4, STUCCHI FIRG/A SERIES, Faster 2FFI (up to 1/2") & FFN38, Parker FF (3/8" only), Hansen QA, Ryco R110-06/08, Safeway FF49, Aeroquip FD89/FD49
Flat interface allows easy cleaning. Low spill, low air inclusion. Safety locking sleeve. 12-20 locking balls for optimum life. 3/8" sizes meets HTMA interchange dimensions.

Part Number	Pressure Rating/Bar	Male Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter Φ
KQRF-08-10F-5/8ORFSBH	350	1" ORFS BH	45	12.5	24.60
KQRF-08-10F-7/8JICBH	350	7/8" JIC BH	45	12.5	24.60
KQRF-08-10M-5/8ORFSBH	350	1" ORFS BH	45	12.5	24.60
KQRF-08-10M-7/8JICBH	350	7/8" JIC BH	45	12.5	24.60

Couplers

ISO16028 A-Series High-Pressure Caps and Plugs

Aluminium

Part Number	Size	Type	Fits Gender	Material	
KQRC-04C-FF	1/4	Cap	Male	PVC	
KQRC-04P-FF	1/4	Plug	Female	PVC	
KQRC-06C-FF	3/8	Cap	Male	PVC	
KQRC-06P-FF	3/8	Plug	Female	PVC	
KQRC-08C-FF	1/2	Cap	Male	PVC	
KQRC-08P-FF	1/2	Plug	Female	PVC	
KQRC-10C-FF	5/8	Cap	Male	PVC	
KQRC-10C-FF-AL	5/8	Cap	Male	Aluminium	
KQRC-10P-FF-AL	5/8	Plug	Female	Aluminium	
KQRC-12C-FF	3/4	Cap	Male	PVC	
KQRC-12P-FF	3/4	Plug	Female	PVC	
KQRC-16C-FF	1	Cap	Male	PVC	
KQRC-16P-FF	1	Plug	Female	PVC	

Couplers

ISO16028 A-Series High-Pressure Connect Under Pressure

Interchanges with: DNP PLT4, STUCCHI FIRG/A SERIES, Faster 2FFI (up to 1/2") & FFN38, Parker FF (3/8" only), Hansen QA, Ryco R110-06/08, Safeway FF49, Aeroquip FD89/FD49

Flat interface allows easy cleaning. Low spill, low air inclusion. Safety locking sleeve. 12-20 locking balls for optimum life. 3/8" sizes meets HTMA interchange dimensions.
CUP = CONNECT UNDER PRESSURE

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRF-08-08M-CUP	350	1/2" BSPP	45	12.5	24.50
KQRF-08-10M UNO-CUP	350	7/8" UNO	45	12.5	24.50
KQRF-08-12M UNO-CUP	350	1 1/16" UNO	45	12.5	24.50

Jacking

Couplers

ISO14541 700 BAR Caps and Plugs

Part Number	Size	Type	Fits Gender	Material	
KQRC-04C-J	1/4	Cap	Male	STEEL	
KQRC-04P-J	1/4	Plug	Female	STEEL	
KQRC-06P/C-J	3/8	Cap and Plug	Uni-Sex	PVC	

Couplers

ISO14540 700 BAR

Designed for high pressure hydraulic applications such as jacking systems.

FF = Flat Face

Part Number	Pressure Rating/Bar	Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter Φ
KQRJ-04F	700	1/4" NPTM	5	6.3	15.90
KQRJ-04M	700	1/4" NPTF	5	6.3	15.90
KQRJ-06F-NPTF	700	3/8" NPTF	9	10.0	19.00
KQRJ-06F-NPTM	700	3/8" NPTM	9	10.0	19.00
KQRJ-06M-NPTF	700	3/8" NPTF	9	10.0	19.00
KQRJFF-04-06F-NPT	700	3/8" NPTF	12	6.3	16.60
KQRJFF-04-06M-NPT	700	3/8" NPTF	12	6.3	16.60

NORDIC Interchange

Couplers

Interchange Tema T Series

Interchanges with: Tema T and H series, Stucchi IRH series and CEJN 525
Manufactured from zinc plated carbon steel. Hardened ball contact areas. Double o'ring and backup for extra sealing capacity.

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter Φ
KQRT-04F	400	1/4" BSPP	12	6.3	11.95
KQRT-04M	400	1/4" BSPP	12	6.3	11.95
KQRT-06F	370	3/8" BSPP	45	10.0	20.00
KQRT-06M	370	3/8" BSPP	45	10.0	20.00
KQRT-08F	350	1/2" BSPP	90	12.5	24.80
KQRT-08M	350	1/2" BSPP	90	12.5	24.80
KQRT-12F	300	3/4" BSPP	212	19.0	32.70
KQRT-12M	300	3/4" BSPP	212	19.0	32.70
KQRT-16F	300	1" BSPP	380	25.0	40.90
KQRT-16M	300	1" BSPP	380	25.0	40.90

Couplers

Tema T Series Caps, Plugs & Seal Kits

Part Number	Size	Type	Fits Gender	Material	
KQRC-06P-B/TEMA	3/8	Plug	Female	PVC	
KQRC-08C-B/TEMA	1/2	Cap	Male	PVC	
KQRC-08P-B/TEMA	1/2	Plug	Female	PVC	
KQRC-12C-T	3/4	Cap	Male	PVC	

Continued on following page...

KQRC-12P-T	3/4	Plug	Female	PVC	
KQRC-16C-T	1	Cap	Male	PVC	
KQRC-16P-T	1	Plug	Female	PVC	
KQRT-08-SEAL KIT	1/2	Seal Kit			
KQRT-12-SEAL KIT	3/4	Seal Kit			
KQRT-16-SEAL KIT	1	Seal Kit			

Couplers

Interchange Tema T Series Connect Under Pressure

Interchanges with: Tema series, Stucchi IRH series and CEJN 525

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter Φ
KQRT-12F-E	300	3/4" BSPP	212	19.0	32.70
KQRT-12M-E	300	3/4" BSPP	212	19.0	32.70
KQRT-16F-E	300	1" BSPP	380	25.0	40.90
KQRT-16M-E	300	1" BSPP	380	25.0	40.90

PBR Interchange

Couplers

Caps, Plugs & Seal Kits

Part Number	Size	Type	Fits Gender	Material	
KQRC-16C-PBR	1	Cap	Male	PVC	
KQRC-16P-PBR	1	Plug	Female	PVC	
KQRP-16SK-PBR	1	Seal Kit			

Couplers

Poppet Coupler

Manufactured from zinc plated carbon steel. Hardened ball contact areas. Standard seals are nitrile, back up rings are PTFE. Viton seals are available on request.

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRP-16F-PBR	300	1" BSPP	200	25.0	38.00
KQRP-16M-PBR	300	1" BSPP	200	25.0	38.00

Poppet

Couplers

ISO7241-1 A Series

Manufactured from zinc plated carbon steel. Hardened ball contact areas. Standard seals are nitrile, back up rings are PTFE. Viton seals are available on request.

Interchanges with: DNP PAV1, STUCCHI BIR, Faster ANV, Hansen HA, Parker 6600, 2000 and Aeroquip 5600, G5600, Ryco R81/82(1/2,3/4&1"), Safeway S56.
CUP = CONNECT UNDER PRESSURE

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter Φ
KQRP-04F-A	250	1/4" BSPP	12	6.3	11.85
KQRP-04M-A	250	1/4" BSPP	12	6.3	11.85
KQRP-06F-A	250	3/8" BSPP	23	10.0	17.30
KQRP-06M-A	250	3/8" BSPP	23	10.0	17.30
KQRP-08F-A/NV	250	1/2" BSPP	45	12.5	20.55
KQRP-08F-A/NV-CUP	250	1/2" BSPP	45	12.5	20.55
KQRP-08F-M22	250	M22 X 1.5	45	12.5	20.55
KQRP-08M-7/8UNO	250	7/8" UNO	45	12.5	20.55
KQRP-08M-A/NV	250	1/2" BSPP	45	12.5	20.55
KQRP-08M-A/NV-3/4UNO	250	3/4" UNO	45	12.5	20.55
KQRP-08M-A/NV-CUP	250	1/2" BSPP	45	12.5	20.55
KQRP-08M-M22	250	M22 X 1.5	45	12.5	20.55
KQRP-12F-A	250	3/4" BSPP	106	20.0	29.10
KQRP-12M-A	250	3/4" BSPP	106	20.0	29.10
KQRP-16F-A	200	1" BSPP	189	25.0	34.35
KQRP-16M-A	200	1" BSPP	189	25.0	34.35
KQRP-20F-A	200	1 1/4" BSPP	288	31.5	45.00
KQRP-20M-A	200	1 1/4" BSPP	288	31.5	45.00
KQRP-24F-A	60	1 1/2"BSPP	379	40.0	55.00
KQRP-24M-A	60	1 1/2"BSPP	379	40.0	55.00

Couplers

ISO7241-1 A-Series Caps, Plugs & Seal Kits

Part Number	Size	Type	Fits Gender	Material	
KQRC-04C-A	1/4	Cap	Male	PVC	
KQRC-04P-A	1/4	Plug	Female	PVC	
KQRC-06C-A	3/8	Cap	Male	PVC	
KQRC-06P-A	3/8	Plug	Female	PVC	
KQRC-08C-A/NV-BLACK	1/2	Cap	Male	PVC	
KQRC-08C-A/NV-BLUE	1/2	Cap	Male	PVC	
KQRC-08C-A/NV-GREEN	1/2	Cap	Male	PVC	

Couplers

ISO7241-1 A-Series Caps, Plugs & Seal Kits *Continued...*

ADC

KQRC-08C-A/NV-YELLOW	1/2	Cap	Male	PVC	
KQRC-08C-ANV-ORANGE	1/2	Cap	Male	PVC	
KQRC-08C-ANV-RED	1/2	Cap	Male	PVC	
KQRC-08C-A/NV ADC	1/2	Cap	Female	PVC	
KQRC-08P-A/NV-BLACK	1/2	Plug	Female	PVC	
KQRC-08P-A/NV-BLU	1/2	Plug	Female	PVC	
KQRC-08P-A/NV-GREEN	1/2	Plug	Female	PVC	
KQRC-08P-A/NV-YELLOW	1/2	Plug	Female	PVC	
KQRC-08P-ANV-RED	1/2	Plug	Female	PVC	
KQRP-08F-A/NV-SK	1/2	Seal Kit			
KQRC-12C-A	3/4	Cap	Male	PVC	
KQRC-12C-A-BLACK	3/4	Cap	Male	PVC	
KQRC-12C-A-GREY	3/4	Cap	Male	PVC	
KQRC-12P-A	3/4	Plug	Female	PVC	
KQRC-12P-A-BLACK	3/4	Plug	Female	PVC	
KQRC-12P-A-GREY	3/4	Plug	Female	PVC	
KQRC-16C-A	1	Cap	Male	PVC	
KQRC-16P-A	1	Plug	Female	PVC	

Couplers

ISO7241-1 A-Series Connect Under Pressure

Interchanges with: DNP PDV1, Parker 4000 Series & Faster NV Series.

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRP-08F-A/NV-CUP	250	1/2" BSPP	45	12.5	20.55
KQRP-08M-A/NV-CUP	250	1/2" BSPP	45	12.5	20.55

Couplers

ISO7241-1 A Series Push Pull

Interchanges with DNP PPS1, PPV3, PPV1, Ryco R91 & R86, Stucchi 1RS/I

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRP-08F-A/NV-3/4UNO-PP	250	3/4" UNO	45	12.5	20.55
KQRP-08F-PP	250	1/2" BSPP	45	12.5	20.55
KQRP-08F-7/8UNO-PP	250	7/8" UNO	45	12.5	20.55

Couplers

ISO7241-1 B-Series

Interchanges with: DNP PBV1, Faster HNV, Hansen HK, Parker 60 Series - H , AEROQUIP 60B/F6600 and Safeway S10

Manufactured from zinc plated carbon steel. Hardened ball contact areas. Standard seals are nitrile, back up rings are PTFE. Viton seals are available on request.

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRP-06F-B	250	3/8" BSPP	23	10.0	19.10
KQRP-06M-B	250	3/8" BSPP	23	10.0	19.10
KQRP-08F-B	250	1/2" BSPP	45	12.5	23.55
KQRP-08M-B	250	1/2" BSPP	45	12.5	23.55
KQRP-12F-B	250	3/4" BSPP	106	20.0	31.45
KQRP-12M-B	250	3/4" BSPP	106	20.0	31.45
KQRP-16F-B	200	1" BSPP	189	25.0	37.77
KQRP-16M-B	200	1" BSPP	189	25.0	37.77

Couplers

ISO7241-1 B B-Series (Carpet Cleaners)

Interchanges with: DNP PBV1, Faster HNV, Hansen HK, Parker 60 Series - H , AEROQUIP 60B/F6600 and Safeway S10
Manufactured BRASS. Standard seals are nitrile, back up rings are PTFE. Viton seals are available on request.

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRP-04F-B-BRASS	200	1/4"BSPP	12	6.3	14.20
KQRP-04M-B-BRASS	200	1/4" BSPP	12	6.3	14.20

Couplers

NV Series

Interchanges with: DNP PDV1, Parker 4000 Series & Faster NV Serie.
CUP = CONNECT UNDER PRESSURE

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRP-04F-NV	400	1/4" BSPP	12	6.3	14.20
KQRP-04M-NV	400	1/4" BSPP	12	6.3	14.20
KQRP-06F-NV	350	3/8" BSPP	23	10.0	19.00
KQRP-06M-NV	350	3/8" BSPP	23	10.0	19.00
KQRP-08F-A/NV	250	1/2" BSPP	45	12.5	20.55
KQRP-08F-A/NV-CUP	250	1/2" BSPP	45	12.5	20.55
KQRP-08F-M22	250	M22 X 1.5	45	12.5	20.55
KQRP-08M-7/8UNO	250	7/8" UNO	45	12.5	20.55

Couplers

NV Series *Continued...*

KQRP-08M-A/NV	250	1/2" BSPP	45	12.5	20.55
KQRP-08M-A/NV-3/4UNO	250	3/4" UNO	45	12.5	20.55
KQRP-08M-A/NV-CUP	250	1/2" BSPP	45	12.5	20.55
KQRP-08M-M22	250	M22 X 1.5	45	12.5	20.55
KQRP-12F-NV	250	3/4" BSPP	106	20.0	28.00
KQRP-12M-NV	250	3/4" BSPP	106	20.0	28.00
KQRP-16F-NV	250	1" BSPP	189	25.0	31.30
KQRP-16M-NV	250	1" BSPP	189	25.0	31.30

Couplers

NV Series Caps, Plugs & Seal Kits

Part Number	Size	Type	Fits Gender	Material	ISO
KQRC-04C-NV	1/4	Cap	Male	PVC	
KQRC-04P-NV	1/4	Plug	Female	PVC	
KQRC-06C-NV	3/8	Cap	Male	PVC	
KQRC-06P-NV	3/8	Plug	Female	PVC	
KQRC-12C-NV	3/4	Cap	Male	PVC	
KQRC-12P-NV	3/4	Plug	Female	PVC	
KQRC-16C-NV	1	Cap	Male	PVC	
KQRC-16P-NV	1	Plug	Female	PVC	
KQRP-08F-A/NV-SK	1/2	Seal Kit			
KQRP-12F-NV-SK	3/4	Seal Kit			19.00
KQRP-16F-A-SK	1	Seal Kit			25.00
KQRP-16F-NV-SK	1	Seal Kit			25.00

Screw Together Couplers

Couplers

ISO14541 Poppet

Interchanges with: DNP PVV3, Stucchi VD series, Faster CVV, Parker QHPA & Ryco R120

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Thread Diameter ø
KQRS-04F-VD	450	1/4" BSPP	12	6.3	24.00
KQRS-04M-VD	450	1/4" BSPP	12	6.3	24.00
KQRS-06F-VD	400	3/8" BSPP	23	10.0	28.00
KQRS-06M-VD	400	3/8" BSPP	23	10.0	28.00
KQRS-08F-VD	400	1/2" BSPP	45	12.5	36.00
KQRS-08M-VD	400	1/2" BSPP	45	12.5	36.00
KQRS-12F-VD	300	3/4" BSPP	106	19.0	42.00
KQRS-12M-VD	300	3/4" BSPP	106	19.0	42.00
KQRS-16-12F-VD	300	3/4" BSPP	189	25.0	48.00
KQRS-16-12M-VD	300	3/4" BSPP	189	25.0	48.00
KQRS-16F-VD	300	1" BSPP	189	25.0	48.00
KQRS-16M-VD	300	1" BSPP	189	25.0	48.00

Couplers

Poppet

Interchanges with DNP-VDVI and Faster VV series

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter Φ
KQRS-08F-VV	300	1/2" BSPP	45	12.5	20.50
KQRS-08M-VV	300	1/2" BSPP	45	12.5	20.50
KQRS-12F-VV	250	3/4" BSPP	106	19.0	27.90
KQRS-12M-VV	250	3/4" BSPP	106	19.0	27.90

Screw Together Flat Face Couplers

Couplers

Flat Face

Interchanges with: DNP PVT4 (-20) and PST4, Stucchi VEP series, Aeroquip FD96

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRS-08-08F-FF-BSP	350	1/2" BSPP	45	12.5	24.50
KQRS-08-08M-FF-BSP	350	1/2" BSPP	45	12.5	24.50
KQRS-10-12F-FF-BSP	350	3/4" BSPP	74	16.0	27.00
KQRS-10-12M-FF-BSP	350	3/4" BSPP	74	16.0	27.00
KQRS-12-16F-FF-BSP	350	1" BSPP	100	19.0	29.90
KQRS-12-16M-FF-BSP	350	1" BSPP	100	19.0	29.90
KQRS-16-16F-FF-BSP	350	1" BSPP	189	25.0	36.00
KQRS-16-16M-FF-BSP	350	1" BSPP	189	25.0	36.00
KQRS-16-20F-FF-BSP	350	1 1/4" BSPP	189	25.0	36.00
KQRS-16-20M-FF-BSP	350	1 1/4" BSPP	189	25.0	36.00
KQRS-20-20F-FF-BSP	350	1 1/4" BSPP	288	31.5	44.00
KQRS-20-20M-FF-BSP	350	1 1/4" BSPP	288	31.5	44.00
KQRS-24-24F-FF-BSP	300	1 1/2" BSPP	379	40.0	56.90
KQRS-24-24M-FF-BSP	300	1 1/2" BSPP	379	40.0	56.90

Couplers

ISO14541 Caps and Plugs

Part Number	Size	Type	Fits Gender	Material	
KQRC-06C-VD	3/8	Plug	Male	PVC	
KQRC-06P-VD	3/8	Cap	Female	PVC	
KQRC-08C-VD	1/2	Plug	Male	PVC	
KQRC-08C-VD-AL	1/2	Cap	Male	ALUMINIUM	
KQRC-08P-VD	1/2	Cap	Female	PVC	
KQRC-08P-VD-AL	1/2	Cap	Female	ALUMINIUM	
KQRC-12P-VD	3/4	Cap	Female	PVC	
KQRC-12P-VD-AL	3/4	Cap	Female	ALUMINIUM	
KQRC-12C-VD	3/4	Plug	Male	PVC	
KQRC-12C-VD-AL	3/4	Cap	Male	ALUMINIUM	
KQRC-16C-VD	1	Cap	Male	PVC	
KQRC-16P-VD	1	Plug	Female	PVC	

Seals (Bonded Washers)

Seals

BSP Self Centering Seal

Part Number	Size		
QD-02	1/8		
QD-04	1/4		
QD-06	3/8		
QD-08	1/2		
QD-12	3/4		
QD-16	1		
QD-20	1 1/4		
QD-24	1 1/2		
QD-32	2		
QD-KIT	Imperial Assortment Kit		

Seals

Metric Self Centering Seal

Part Number	Size		
QDM-10	10mm		
QDM-12	12mm		
QDM-14	14mm		
QDM-16	16mm		
QDM-18	18mm		
QDM-20	20mm		
QDM-22	22mm		
QDM-24	24mm		

Seals	Metric Self Centering Seal *Continued...*			
KIT	QDM-26	26mm		
	QDM-27	27mm		
	QDM-30	30mm		
	QDM-33	34mm		
	QDM-36	36mm		
	QDM-42	42mm		
	QDM-45	45mm		
	QDM-48	48mm		
	QDM-52	52mm		
	QDM-KIT	Metric Assortment Kit		

All of our Dowty seals are made from Nitrile NBR. Nitrile is based on Acrylonitrile Butadiene Copyolymer material that is resistant to all mineral oils, water and watery liquids. It is also resistant to hot air and numerous other chemicals. Nitrile NBR is a general purpose rubber and is used in a variety of applications. Operating Temprature Range -30°C - 110°C

Taimi Straight Swivels

Straight Swivels	BSP Male/Female			
	Part Number	Description		
	SZ-P08M-P08F	SWIVEL M/F BSPP 6250PSI		
	SZ-P12M-P12F	SWIVEL M/F BSPP 6250PSI		

Straight Swivels	BSP Male/Male			
	Part Number	Description		
	SZ-P12M-P12M	SWIVEL M BSPP 6250PSI		

Straight Swivels	JIC Male/Female			
	Part Number	Description		
	SZ-J08M-JB08F	SWIVEL M/F JIC 6250PSI		
	SZ-J10M-JB10F	SWIVEL M/F JIC 6250PSI		
	SZ-J12M-JB12F	SWIVEL M/F JIC 6250PSI		
	SZ-J16M-JB16F	SWIVEL M/F JIC 6250PSI		

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Straight Swivels — JIC Male/Male

Part Number	Description		
SZ-J06M-J06M	SWIVEL MALE JIC 6250PSI		

Straight Swivels — ORFS Male/Female

Part Number	Description		
SZ-S16M-S16F	SWIVEL M/F ORFS 6250PSI		

Straight Swivels — ORFS Male/Male

Part Number	Description		
SZ-S12M-S12M	SWIVEL M ORFS 6250PSI		
SZ-S16M-S16M	SWIVEL M ORFS 6250PSI		

90° Swivels — ORFS x UNO Female/Male

Part Number	Description		
SZ90-S12M-B12F	SWIVEL 6250PSI 90 DEG MALE ORFS X F/M ORB		

90° Swivels — BSPP x UNO Female/Male

Part Number	Description		
SZ90-P08M-B08F	SWIVEL 6250PSI 90 DEG MALE BSPP X F/M ORB		
SZ90-P12M-B12F	SWIVEL 6250PSI 90 DEG MALE BSPP X F/M ORB		
SZ90-P16M-B16F	SWIVEL 6250PSI 90 DEG MALE BSPP X F/M ORB		

Straight Swivels

Seal Kit

Part Number	Description		
SZ-06-001SK-A	SEAL KIT - J06		
SZ-08-001SK-A	SEAL KIT - J08		
SZ-08-002SK-A	SEAL KIT - S08/P08/F08		
SZ-10-001SK-A	SEAL KIT - J10/P10/F10		
SZ-12-001SK-A	SEAL KIT - J12/P12/F1		
SZ-12-002SK-A	SEAL KIT - S12		
SZ-16-001SK-A	SEAL KIT - J16/P16/F16		
SZ-16-002SK-A	SEAL KIT - S16		

NOTES