

NEW



FF HIGH PRESSURE COUPLINGS

The range of Flat Face Hydraulic Couplings from HTS has got even better!

We are pleased to announce that we have upgraded our range of couplings from standard FIRG Series to the FF High Pressure Series.



Call 01432 373350

Email info@htsspares.com

Web www.htsspares.com

The FF series from Manuli represents the consequential advancement of the long standing and proven flat seal couplings of the FIRG series. The use of better quality materials allows for even **higher operating pressures** than those pressures stated in the standard ISO 16028.

The standard pressure rating on this new range of couplings has risen from 200 bar up to a huge **400 bar!** This means this range is ideally suited even to the most arduous of applications and tasks such as **demolition hammers** and other **extreme pressure tools**.

The function of the flat seal couplings is widely known. Innovative to the series FF is that all sizes are by default equipped with a safety system against accidental decoupling which the user can activate as an option.



The construction of the flat valves ensures that coupling and decoupling only leads to minimum oil losses and/or air locks.

The major areas of use of these couplings are engines in environment critical areas and hydraulic tools. Their modular architecture ensures the availability of a large quantity of connections complying with international standards.

Additional Information

Working Pressure

260-400 bar

25-40 MPa

3625-5800 PSI

(The indicated pressure ratings apply to the coupling itself and depend on the connection type.)

Working Temperature

-25°C - +100°C

-13°F - +212°F

Material

Steel

Surface Finishing

Zinc-Nickel

Standard Seal Materials

NBR (Buna-N®), PTFE, PU

Coupling Working Pressures

Size	BG	NW	Working pressure	Bursting pressure		
				Connected	Female body	Male tip
1/4	1	6.3	400 bar	1700 bar	1220 bar	1500 bar
3/8"+1/2"	2	10	350 bar	1500 bar	1050 bar	1100 bar
3/4"	3	12.5	350 bar	1200 bar	1000 bar	1050 bar
1"	6	19	350 bar	1450 bar	1050 bar	1050 bar
1 1/2"	8	25	260 bar	800 bar	800 bar	800 bar

How to Use










1. Before connecting, clean the mating surface of the couplings to avoid dirt inclusion in the circuit
2. To connect, push the male half towards the female half or vice versa.
3. After connecting, turn the external sleeve to engage safety lock function, to prevent accidental disconnection.
4. To disconnect, turn the external sleeve until the sleeve lock notch matches the safety lock ball and push back the sleeve.



HTS is the UK's number 1 preferred supplier for flat face couplings with good stocks and next day delivery nationwide. See the new FF High Pressure Series listed on the following pages.

For quotations or more information, please contact your rep, email sales@htsspares.com or call 01432 373350 to speak to any member of our sales team.

	Name	Code	Type	Size
	1/4" BSP Male Flat Faced Coupling	HOS0398	Male (probe)	1/4"
	1/4" BSP Female Flat Faced Coupling	HOS0399	Female (Carrier)	1/4"
	1/4" BSP Flat Faced Coupling Set	HOS3989	Coupling Set	1/4"
	3/8" BSP Male Flat Faced Coupling	HOS0400	Male (probe)	3/8"
	3/8" BSP Female Flat Faced Coupling	HOS0401	Female (Carrier)	3/8"
	3/8" BSP Flat Faced Coupling Set	HOS4001	Coupling Set	3/8"
	1/2" BSP Male Flat Faced Coupling	HOS0402	Male (probe)	1/2"
	1/2" BSP Female Flat Faced Coupling	HOS0403	Female (Carrier)	1/2"
	1/2" BSP Flat Faced Coupling Set	HOS4023	Coupling Set	1/2"

	Name	Code	Type	Size
	3/4" BSP Male Flat Faced Coupling	HOS0404	Male (probe)	3/4"
	3/4" BSP Female Flat Faced Coupling	HOS0405	Female (Carrier)	3/4"
	3/4" BSP Flat Faced Coupling Set	HOS4045	Coupling Set	3/4"
	1" BSP Male Flat Faced Coupling	HOS0406	Male (probe)	1"
	1" BSP Female Flat Faced Coupling	HOS0407	Female (Carrier)	1"
	1" BSP Flat Faced Coupling Set	HOS4067	Coupling Set	1"
	1 1/4" BSP Male Flat Faced Coupling	HOS0408	Male (probe)	1 1/4"
	1 1/4" BSP Female Flat Faced Coupling	HOS0409	Female (Carrier)	1 1/4"
	1 1/4" BSP Flat Faced Coupling Set	HOS4089	Coupling Set	1 1/4"



BREAKER HOSE SET - CLIPPED

- 1/2" R2T heavy duty siamesed hose
- Suitable for MBR71 roller breakers, JCB Beaver packs etc.

Code	Type
HOS0004	1/2" BSP Male/Male
HOS0005	C/W Couplings on both ends



BREAKER HOSE TAILS

- 1/2" R2T heavy duty hose. 0.4mtrs
- Suitable for MBR roller breakers, JCB Beaver packs etc.

Code	Type
HOS0327	1/2" BSP Male/Male
HOS0328	BSP Male/Sae O Ring Male



BREAKER HOSE SET - WELTED

- 1/2" R2T heavy duty siamesed hose - Welled
- Suitable for MBR71 roller breakers, JCB Beaver packs etc.

Code	Type
HOS1329	1/2" BSP Male/Male
HOS1330	C/W Flat Face Couplings



BREAKER HOSE SET - LOOSE

- 1/2" R2T heavy duty siamesed hose
- Suitable for MBR71 roller breakers, JCB Beaver packs etc.

Code	Type
HOS1326	1/2" BSP Male/Male
HOS1327	C/W 2 pairs of Flat Face Couplings

Did you know.....

We stock dozens of different sized, pre-assembled breaker hoses from 1/2" to 1"... All available for next day delivery.

View the full range on our website: www.htsspares.com



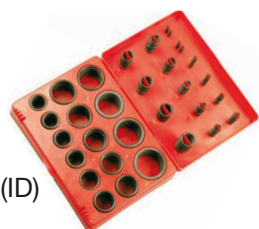
DOWTY SEALING WASHERS

- Pack quantity: 10

Code	Size
HOS0423	1/4"
HOS0424	3/8"
HOS0425	1/2"
HOS0426	5/8"
HOS0432	3/4"
HOS0433	1"
HOS0434	1 1/4"

IMPERIAL O-RING BOX SET

- Sizes 2.9mm-43.82mm (ID)
- Pack quantity: 382



Code

HRM0130

METRIC O-RING BOX SET

- Sizes 3mm-44mm (ID)
- Pack quantity: 404



Code

HRM0131

O-RING SERVICE KIT

- Contains: 1/16", 3/32", 1/8", 3/16", 1/4", 1.6mm, 2mm, 3mm, 4mm, 5mm and 5.7mm dia. Nitrile O-Ring cord in 2m packs. Cutter block, cutter, adhesive and instructions.



Code

HRM0132



BSP BONDED SEALS

- Dowty type washers
- Sizes: 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 1"
- Pack quantity: 100

Code

HRM0120

METRIC BONDED SEALS

- Dowty type washers
- Sizes: M10, M14, M16, M18, M20, M22, M24
- Pack quantity: 90

Code

HRM0121



BSP & IMPERIAL COPPER WASHERS

- BSP: Sizes: 1/8" (x2 types), 1/4" (x2 types), 3/8", 1/2" (x2 types), 5/8", 3/4", 1"
- Imperial Sizes: 1/4" (x3 types), 5/16" (x2 types)
- Pack quantity: 225

Code

HRM0122

METRIC COPPER WASHERS (SMALL)

- Sizes: 5x9, 6x10, 6.5x9.5, 8x12, 9x14, 14x8 (1mm thick). 10x16, 11x17, 12x16, 13x18, 14x20, 16x22, 16x24, 17x23 (1.5mm thick). 15x20, 17.5x25 (2mm thick)
- Pack quantity 244

Code

HRM0123

IMPERIAL COPPER WASHERS

- Sizes: 3/16"x 7/16", 1/4"x 9/16", 5/16"x 5/8", 3/8"x 3/4", 7/16"x 7/8", 1/2"x1"
- Pack quantity: 300

Code

HRM0124



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