

## FIRG SERIES

### PREMIER RANGE

#### PHASING OUT OF THE FIRG SERIES

Sizes 3/8", 1/2", 1/2"A, 3/4" and 1" have now been replaced by the superior H Series, as shown on pages 4 & 5. Eventually, all the FIRG Series couplings will be phased out and replaced by the H Series.

#### APPLICATIONS

Where clean connections are required despite dusty or dirty conditions. User industries include: agriculture, construction plant, mobile equipment, general industrial, nuclear and mining.

#### OPERATION

To couple, wipe the mating faces clean and push the two halves together until they click shut. Twist the sleeve and the coupling is locked. To release, align the notched sleeve with the ball, pull back the sleeve and the coupling springs apart.

#### ANTI-BRINELLING FEATURES

- ★ 12 ball locking mechanism in the 1/4", and 1 1/4" couplings.
- ★ 15 ball locking mechanism in and 3/4" B couplings.
- ★ 18 and 20 balls in the 1 1/2" and 2" couplings respectively.
- ★ Close tolerance male and female mating diameters to ensure equal ball loading.



#### ADVANTAGES

- ★ Flat mating faces are easily wiped clean to prevent the ingress of contaminants.
- ★ Streamlined internal flow path minimises the pressure drop.
- ★ Non-spill design avoids fluid loss during connection and disconnection.
- ★ No air intrusion during connection.
- ★ Locking sleeve prevents accidental disconnection.
- ★ Bi-directional flow.
- ★ Conforms to current ISO 16028 Standard sizes.

#### PREMIER FEATURES

- ★ Robust construction. High working and burst pressure ratings. Excellent fatigue life.
- ★ Female coupling seal swaged-in to prevent extrusion under pressure.
- ★ Dynamic seal geometry in male couplings allows bi-directional flow.

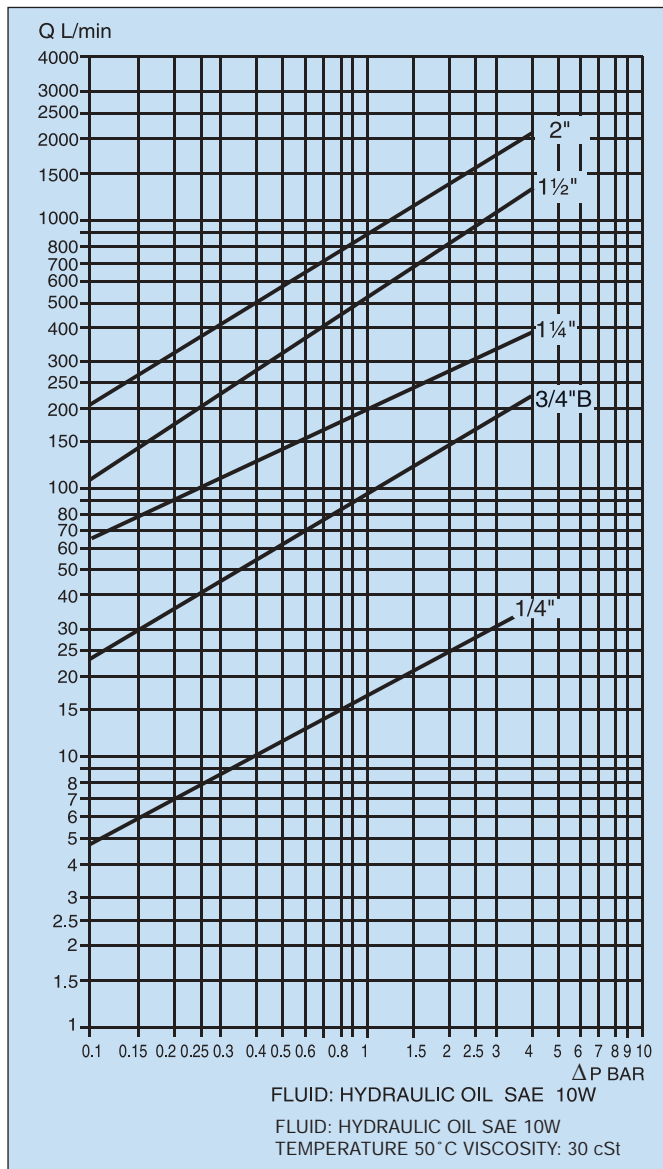
## PRESSURE RATINGS (BAR)

Coupling Size	1/4"	3/8"A	3/8"	1/2"	1/2"A	3/4"	3/4"B	1"	1 1/4"	1 1/2"	2"
Max working pressure coupled	315	These sizes are no longer available and have been replaced by the superior H Series couplings shown on pages 4 & 5.					250	This size has been replaced by the superior H Series, as shown on pages 4 & 5	250	200	180
Burst pressure coupled	Over 1200						900		850	700	700
Burst Pressure male	Over 1200						900		920	700	700
Burst pressure female	600						400		400	300	300

### ORDER CODES

*	FIRG **	*	*
M= Male Coupling F= Female Coupling	Coupling Size	Seal Material See table below	Thread: BSP, NPT, SAE, JIC and special requests

## PRESSURE DROP CHARACTERISTICS



### PLEASE NOTE

When ordering Holmbury Premier Range FIRG Series couplings, the Order Acknowledgement, Cover Note and Despatch Note will state the new H Series order codes and not those above. Please do not be alarmed, you will receive the couplings ordered. When stocks of the FIRG couplings have been exhausted you will be informed and offered the interchangeable replacement H Series coupling.

## SEAL MATERIALS AND OPERATING TEMPERATURES

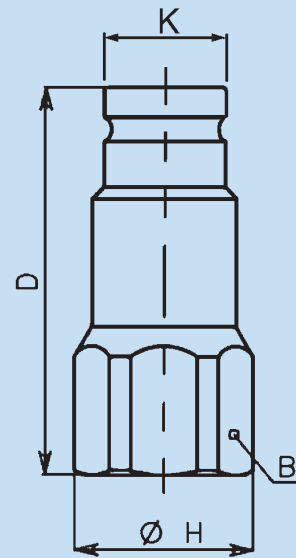
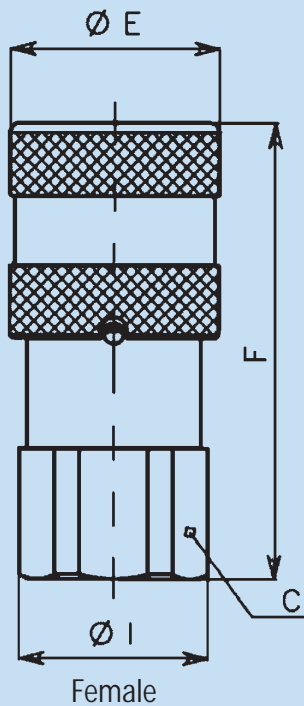
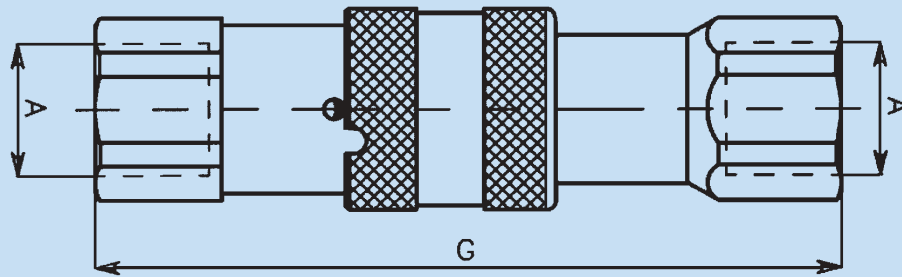
Seal Material Code	Seal Material	Maximum Temperature	Minimum Temperature
N	Nitrile	100°C	-20°C
NEO	Neoprene	90°C	-40°C
EP	EPDM	150°C	-40°C
V	Viton	180°C	-15°C
FS	Fluorosilicone	150°C	-50°C
K	Kalrez	300°C	-25°C

### DUST CAPS - PAGES 74 & 75



# FLAT FACE COUPLINGS

## HOLMBURY PREMIER RANGE, FIRG SERIES



Male  
Dimensions in mm

### DIMENSIONS

Type and Size	Nominal Diameter	A	B	C	D	E	F	G	H	I	K nominal	Weight (kg)
FIRG 14	7	1/4"	22	22	48	28	48	85.5	25.5	24	16.2	0.25
FIRG 38	These sizes are no longer available and have been replaced by the superior H Series couplings shown on pages 4 & 5.											
FIRG 12												
FIRG 12A												
FIRG 34												
FIRG 34B	16	3/4"	36	36	70.5	42	80.5	134.5	38.5	38.5	27	0.8
FIRG 100	This size has been replaced by the superior H Series as shown on pages 4 & 5.											
FIRG 114	25	1 1/4"	55	55	90	55	105.5	173	60	60	36	1.92
FIRG 112	32	1 1/2"	70	65	111	80	132	215	76	72	57	4.5
FIRG 200	45	2"	75	80	125	100	165	250	83.5	88.5	73	7