

# IB SERIES

## ISO.B PULL BREAK

### HYDRAULIC COUPLINGS

## 1/4" - 1" Poppet Valve Types to ISO 7241 Series B

### INTRODUCTION

Holmbury IB Series, ISO.B couplings are designed to be tough, durable and of superior quality to competing ISO 7241 products. They are ideally suited to heavy industrial applications which would typically include:

- Food processing and manufacture
- Shipbuilding
- Offshore
- Machine tool/automation
- Oil refineries
- Steel mills
- Chemicals and pharmaceuticals

### FEATURES

- ★ Positive, quick connection ensured by the snap together locking ball system.
- ★ When connected the male and female halves can rotate, even under pressure, thus avoiding any torsional stress in the flexible hoses.
- ★ Designed to withstand high pressure peaks and pulses.
- ★ Poppet valves have balanced springs and calibrated oil flow passages to minimise the pressure drop.
- ★ Poppet valve seals have shockproof protective edges.

### CONSTRUCTION

Heat treated, carbon steel, Trivalent plated . Nitrile 'O' ring seals with Teflon backing rings.

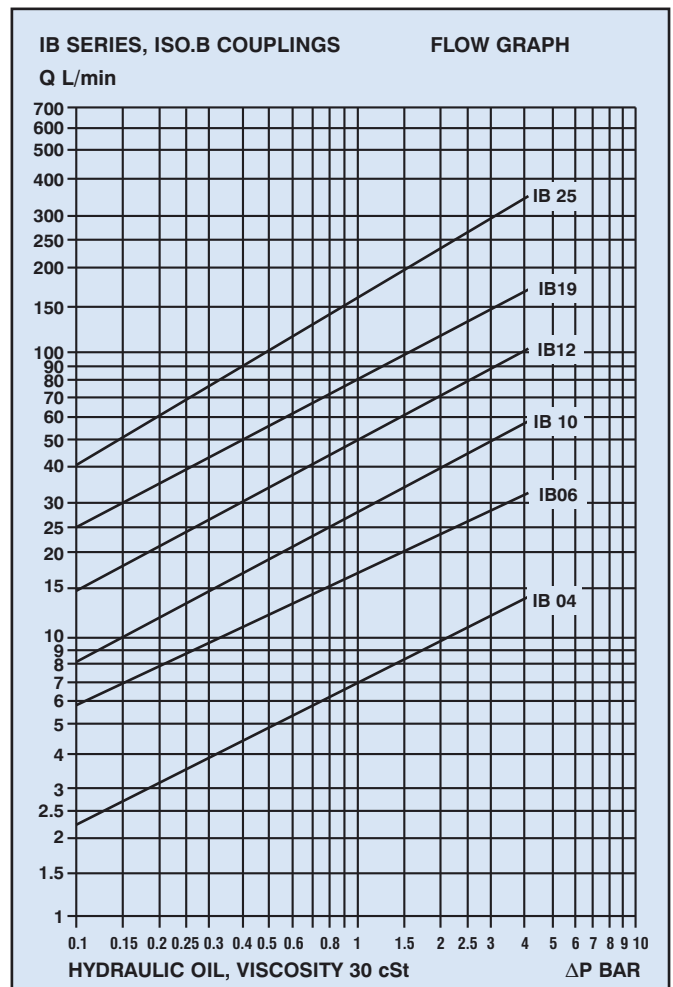
OPTIONS - alternative seal materials available on request: Ethylene-Propylene or Neoprene

### IB TESTS

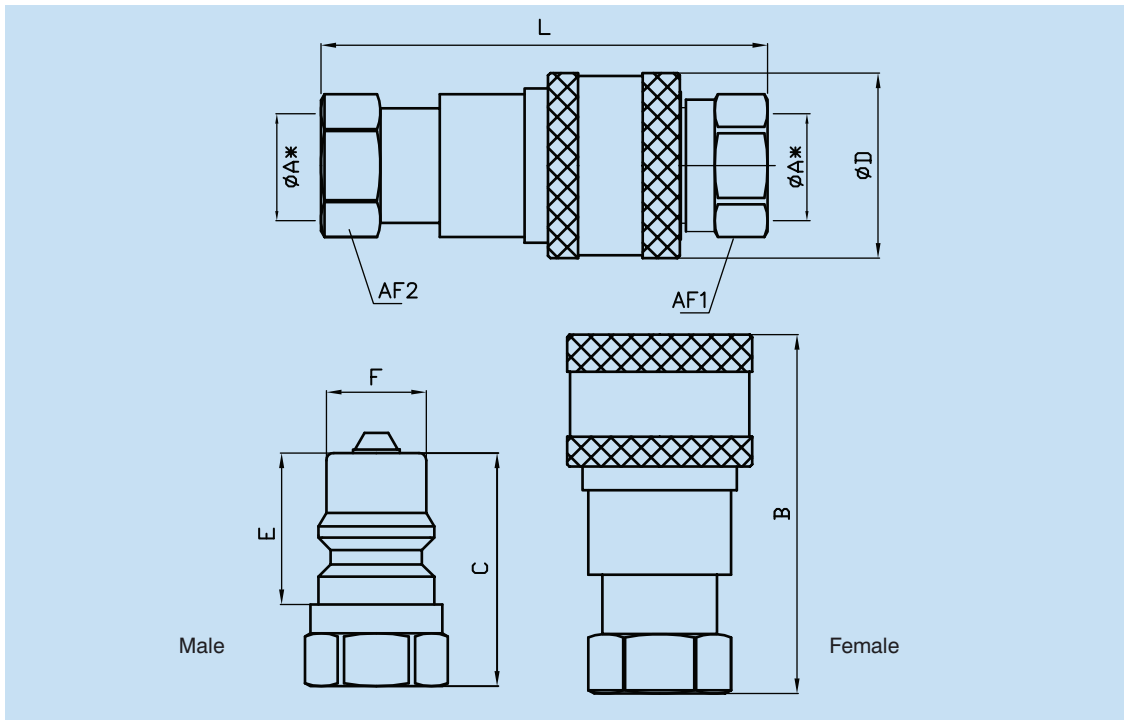
Life - 1,000,000 cycles from 0 - 250 bar at a frequency of 1Hz.



### PRESSURE DROP CHARACTERISTICS



## IB SERIES COUPLINGS TO ISO.B SPECIFICATION



Type and body size	ND	Maximum operating pressure (bar)	ØA*	AF1	AF2	B	C	ØD	E	F	L	Weight (kg)
IB04	5.0	300	1/8"	14	17	48	29	24	19	10.9	59	0.10
IB06	6.3	300	1/4"	19	19	58	36	28.5	22.8	14.1	72	0.16
IB10	10	250	3/8"	24	24	65	40	35	25	19.0	81	0.28
IB12	12.5	250	1/2"	28.5	28.5	74	46.5	44.5	28	23.5	93.5	0.49
IB19	20	230	3/4"	36	36	92	56	54	36	31.4	113	0.88
IB25	25	230	1"	41	41	103	63	63.5	45	37.7	127	1.30

A\*=inch size BSP or NPT.

Dimensions in mm

## ORDER CODES

**IB 25 - F - 16 G**

**IB** = ISO. B coupling

**Body size:**  
**06** = 1/4"    **19** = 3/4"  
**10** = 3/8"    **25** = 1"  
**12** = 1/2"

**M** = Male coupling  
**F** = Female coupling

**Thread size based on dash system**  
**04** = 1/4"    **12** = 3/4"  
**06** = 3/8"    **16** = 1"  
**08** = 1/2"

**Thread form**  
**G** = BSP P    **N** = NPT F

**Blank** = Female thread

**Blank** = Nitrile seals

**Any other necessary information**

**Example: IB25-F-16G**

IB Series, ISO B coupling, body size 25 with 1" BSP P female thread, nitrile seals, no special requirements.