

ISO COUPLINGS

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, zinc plated . Nitrile 'O' ring seals with Teflon backing rings.

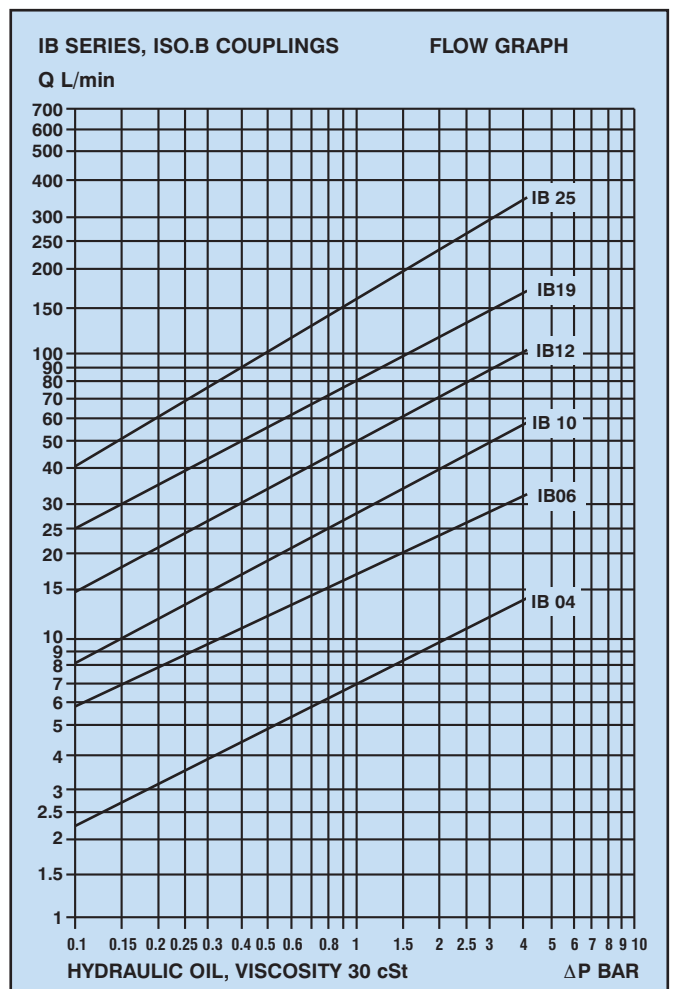
OPTIONS - alternative seal materials available on request: Ethylene-Propylene or Neoprene

IB TESTS

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



PRESSURE DROP CHARACTERISTICS

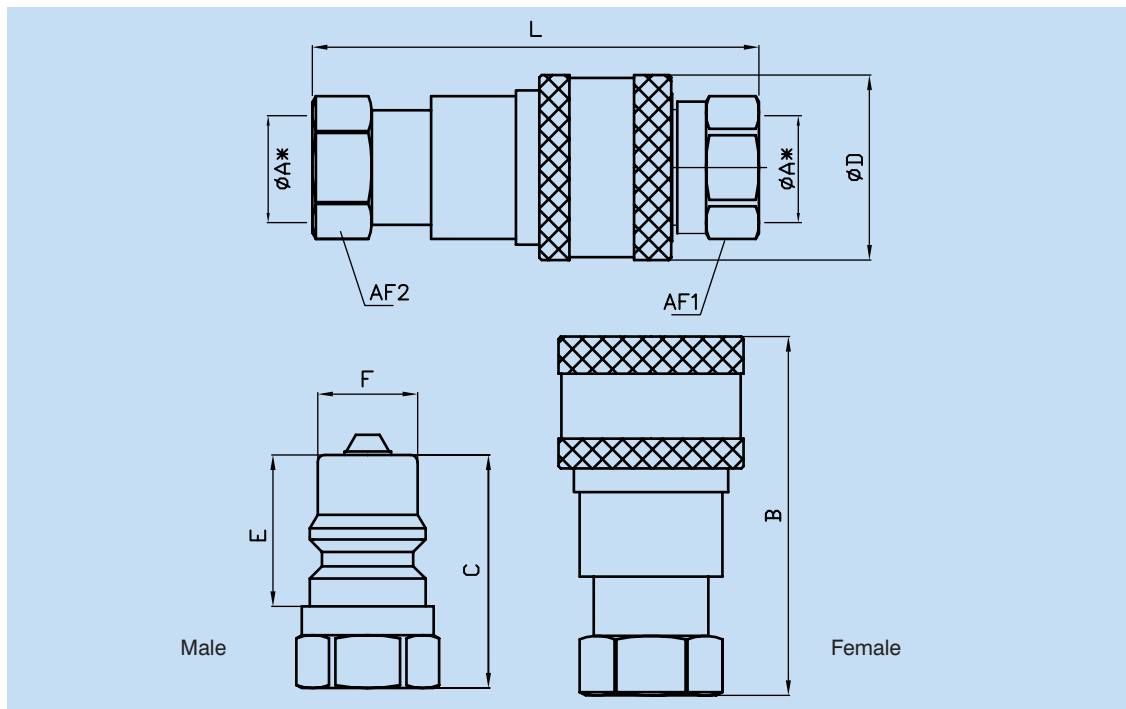


DUST CAPS



Available on request,
call for details

IB SERIES COUPLINGS TO ISO.B SPECIFICATION



TECHNICAL DATA

Type and body size	ND	Maximum operating pressure (bar)	ØA*	AF1	AF2	A	B	C	ØD	E	F	L	Weight (kg)
IB06	6.3	300	1/4"	19	19	13	58	22.8	28.5	36	14.1	72	0.16
IB10	10	250	3/8"	24	24	13	65	25	35	40	19	81	0.28
IB12	12.5	250	1/2"	28.5	28.5	20.5	74	28	44.5	46.5	23.5	93.5	0.49
IB19	20	230	3/4"	36	36	22	92	36	54	56	31.4	113	0.88
IB25	25	230	1"	41	41	23	103	45	63.5	63	37.7	127	1.3

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.