

ISO.B SERIES

PULL BREAK HYDRAULIC COUPLINGS

1/8" - 1" Poppet Valve Types to ISO 7241 Series B

ISO.B carbon steel couplings ISO.B S/S stainless steel couplings

INTRODUCTION

Holmbury ISO.B Series 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

ISO.B couplings - Heat treated, carbon steel, zinc plated. Nitrile 'O' ring seals with Teflon backing rings.

ISO.B S/S couplings - 100% AISI 316 stainless steel. Viton 'O' ring seals with Teflon backing rings.

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

ISO.B TESTS

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



ISO.B carbon steel couplings

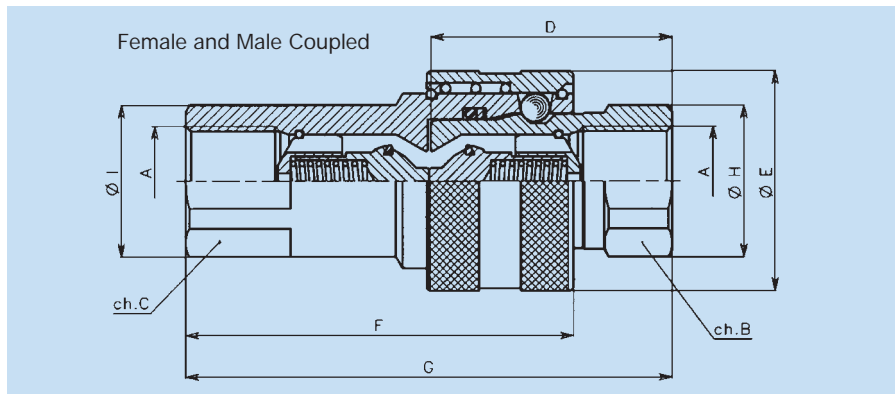
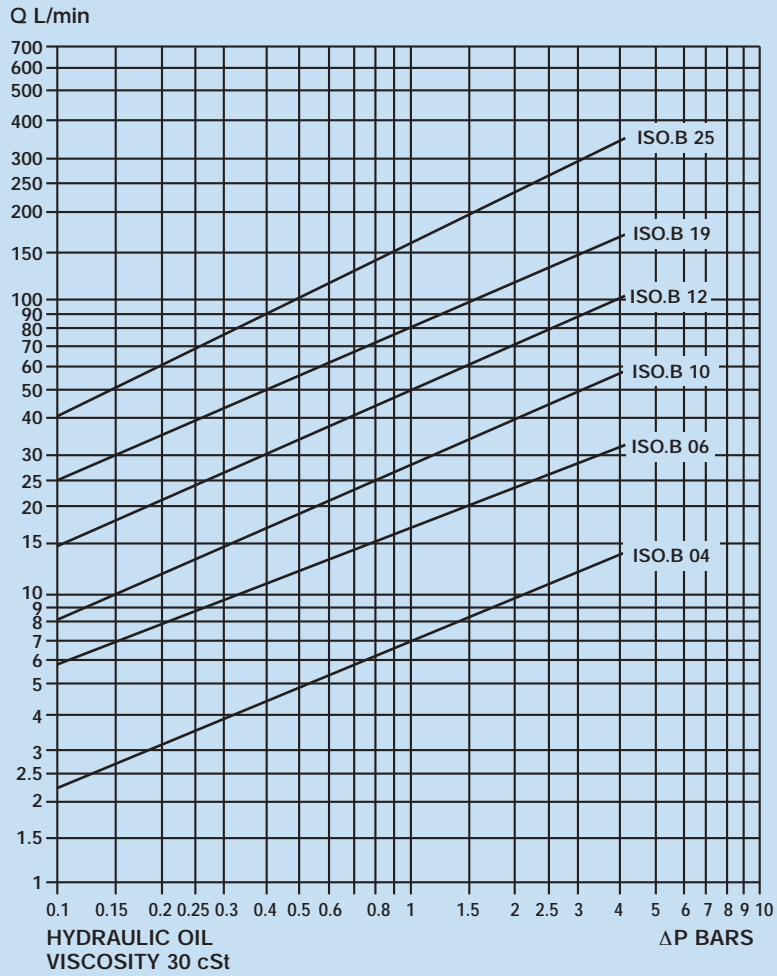


ISO.B S/S - 100% AISI stainless steel couplings

ORDER CODES

IB		25	-	F	-	16	G	
IB = ISO. B								Blank = Female thread
IBS = ISO. B stainless steel								
Body size:								G = BSP P
04 = 1/8"		12 = 1/2"						N = NPT
06 = 1/4"		19 = 3/4"						
10 = 3/8"		25 = 1"						
M = Male coupling								Thread size (Dash system)
F = Female coupling								02 = 1/8" 08 = 1/2"
								04 = 1/4" 12 = 3/4"
								06 = 3/8" 16 = 1"

**ISO.B SERIES COUPLINGS
FLOW GRAPH**



Type and body size	Maximum operating pressure (bar)	Type and body size	Maximum operating pressure (bar)	ND	A*	B	C	D	E	F	G	H	I	Weight (kg)
IBS04	250	IB04	350	5	1/8"	19	19	32	26	47	64.5	21	22	0.13
IBS06	250	IB06	300	6.3	1/4"	22	22	38	31	56	76.5	24	24	0.20
IBS10	200	IB10	250	10	3/8"	27	27	44.5	38	63	86	29	30	0.34
IBS12	200	IB12	250	12.5	1/2"	36	38	55	48	82	111	38.5	44	0.71
IBS19	160	IB19	230	20	3/4"	41	45	63	54	97	127	45	52	1.10
IBS25	125	IB25	230	25	1"	55	50	75	65	117	151	60	56	1.90

A* = inch size BSP or NPT.
 IB = carbon steel construction
 IBS = 100% AISI stainless steel construction

Dimensions in mm