

ISO.A SERIES

PULL BREAK HYDRAULIC COUPLINGS

1/4" - 2" Poppet Valve Types to ISO 7241 Series A

INTRODUCTION

Holmbury ISO.A Series couplings are the ideal choice where a tough, durable product of superior quality is required. They are perfectly suited to industrial and agricultural applications. A poppet valve is used to minimise the pressure drop characteristics and provide a positive sealing arrangement.

COMPARISONS

In comparison to ISO.B couplings the ISO.A Series are:

1. Smaller.
2. Easier to connect and release.

FEATURES

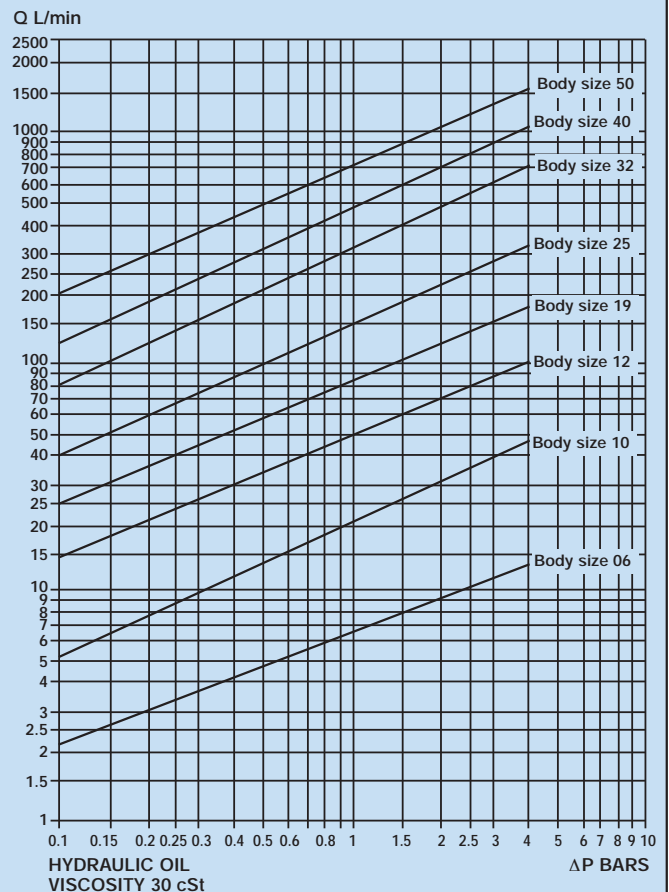
- ★ Positive, quick connection ensured by the snap together locking ball system.
- ★ When connected the male and female halves can rotate, even under pressure, thus avoiding any torsional stress in the flexible hoses.
- ★ Designed to withstand high pressure peaks and pulses.
- ★ Poppet valves have balanced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

MATERIALS

Zinc plated, heat treated carbon steel. Nitrile 'O' ring seals are fitted as standard. VITON seals are available on request.



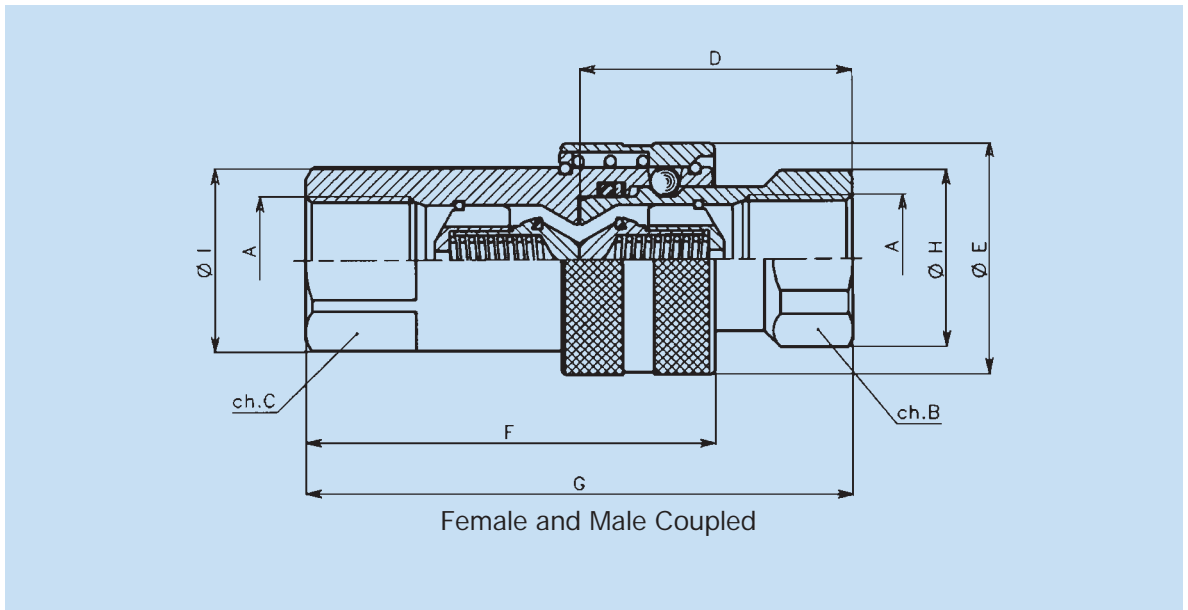
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FLOW GRAPH



PARKING STATIONS - SEE PAGE 76
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ISO.A SERIES PULL BREAK HYDRAULIC COUPLINGS



Body Size	Nominal Diameter	Maximum Working Pressure (bar)	A*	B	C	D	E	F	G	H	I	Weight (kg)
IA06	6.3	350	1/4"	19	19	32	26	47	64.5	21	22	0.13
IA10	10	300	3/8"	22	22	38	31	56	76.5	24	24	0.20
IA12	12.5	250	1/2"	27	27	44.5	38	63	86	29	30	0.34
IA19	20	250	3/4"	36	38	55	48	82	111	38.5	44	0.71
IA25	25	230	1"	41	45	63	54	97	127	45	52	1.10
IA32	31.5	230	1 1/4"	55	50	75	65	117	151	60	56	1.90
IA40	40	190	1 1/2"	60	60	85	80	135	171	65.5	65.5	3.10
IA50	50	130	2"	75	75	100	100	160	201	82.5	83.5	5.50

A* = inch size BSP or NPT. Other dimensions in mm.

ORDER CODES

IA	19	- M	- 12	G	
IA = ISO A Series					Blank = Nitrile seals
Body Size 06 = 1/4" 10 = 3/8" 12 = 1/2" 19 = 3/4" 25 = 1" 32 = 1 1/4" 40 = 1 1/2" 50 = 2"					Blank = Female thread M = Male thread
					Thread form G = BSP P (standard) N = NPT (available on request) S = SAE (available on request)
M = Male Coupling F = Female Coupling					Thread size based on dash system 04 = 1/4" 16 = 1" 06 = 3/8" 20 = 1 1/4" 08 = 1/2" 24 = 1 1/2" 12 = 3/4" 32 = 2"

Example: IA19-M-12 G
ISO A, 3/4" body size, male coupling, 3/4" thread, BSP P thread form, female thread, nitrile seals.