



# IA SERIES

## PULL BREAK HYDRAULIC COUPLINGS



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### INTRODUCTION

Holmbury IA Series Couplings meet the ISO 7241-1 type A design criteria and are the ideal choice where a tough, durable product of superior quality is required. A poppet valve is used to minimize the pressure drop characteristics and provide a positive sealing arrangement. Typical applications include: construction, manufacturing, chemical processing, agricultural equipment and general industrial machinery.

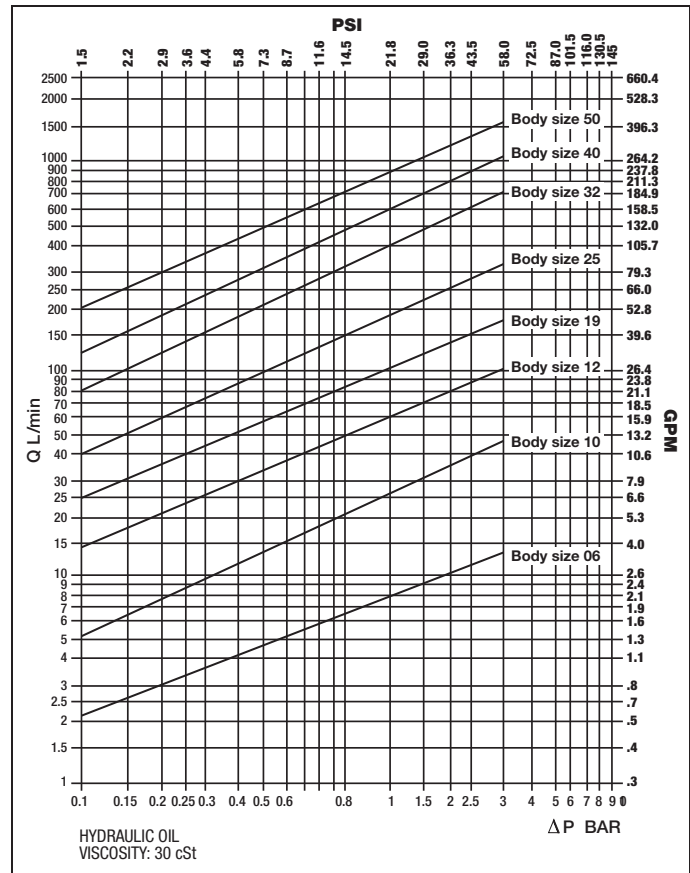
### FEATURES

- 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.
- Poppet valves have balanced springs and calibrated oil flow passages to minimize the pressure drop.
- Poppet valve seals have shockproof protective edges.

### CONSTRUCTION

Zinc plated, heat treated carbon steel. Nitrile 'O' ring seals with PTFE backing rings are standard.

### Pressure Drop Characteristics



### Order Codes

<b>IA</b>	<b>19</b>	<b>M</b>	<b>12</b>	<b>N</b>
<b>IA = IA Series</b>				
<b>Body Size</b>				<b>Thread Gender</b>
06 = 1/4"				Blank = Female
10 = 3/8"				M = Male
12 = 1/2"				<b>Thread Type</b>
19 = 3/4"				N = NPTF (standard)
25 = 1"				S = O Ring Boss
32 = 1-1/4"				G = BSPP
*40 = 1-1/2"				M = Metric
*50 = 2"				<b>Thread size based on dash system</b>
<b>Gender</b>				04 = 1/4"
M = Male Nipple				16 = 1"
F = Female Coupler				20 = 1-1/4"
				*24 = 1-1/2"
				*32 = 2"

\*Special Order.

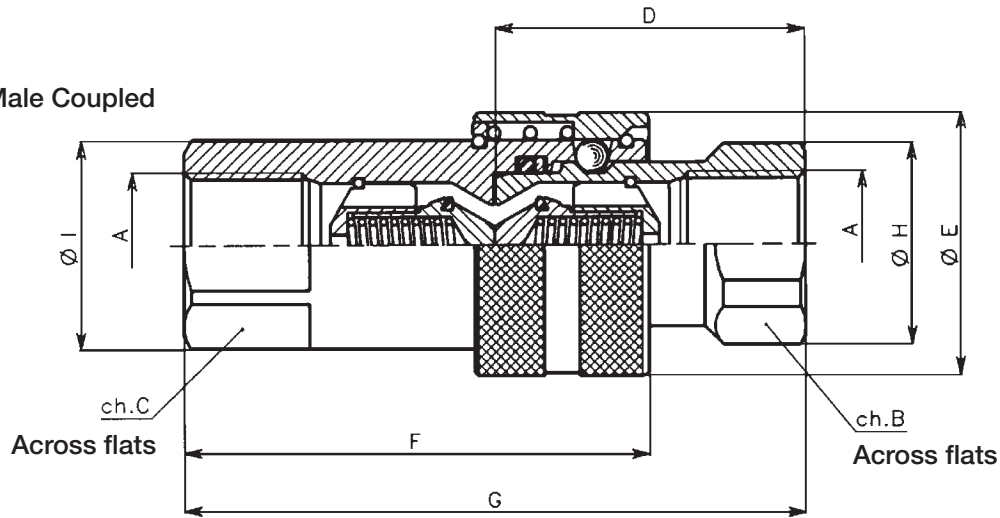
Note: Not all thread types and sizes are available as stock items. Minimum order quantity may be required. Consult factory for details.



**Holmbury**

**IA SERIES, PULL BREAK COUPLINGS**

Female and Male Coupled



**Dimensions**

Type and Size	Body Size	Max. Oper. Pressure	A	B	C	D	E	F	G	H	I	Weight
	mm	Bar	NPTF Thread	Dimensions in millimeters								kg
	inches	PSI		Dimensions in inches								lb
IA06	6	350	1/4	19	19	35.5	26	50	71	19.6	22	0.14
	.25	5075		0.75	0.75	1.40	1.02	1.97	2.80	0.77	0.87	0.29
IA10	10	300	3/8	22	22	36.5	31.5	56	75	24	24	0.22
	.34	4350		0.87	0.87	1.44	1.24	2.20	2.95	0.94	0.94	0.46
IA12	12	250	1/2	27	27	43.5	38.6	66	87.5	30	30	0.35
	.5	3625		1.06	1.06	1.71	1.52	2.60	3.44	1.18	1.18	0.75
IA19	19	250	3/4	35	35	57	48	80	109.5	38.5	38	0.71
	.75	3625		1.38	1.38	2.24	1.89	3.15	4.31	1.52	1.50	1.56
IA25	24	230	1	41	41	59.5	58	95.5	120	44.5	45	1.16
	1	3335		1.61	1.61	2.34	2.28	3.76	4.72	1.75	1.77	2.57
IA32	32	230	1-1/4	50	50	75	69.8	117	150	56	56	1.9
	1.25	3335		1.97	1.97	2.95	2.75	4.61	5.91	2.20	2.20	4.19
IA40	40	190	1-1/2	60	60	83.5	84.5	133	167.5	66	66	3.1
	1.50	2755		2.36	2.36	3.29	3.33	5.24	6.59	2.60	2.60	6.83
IA50	50	130	2	75	75	100	100	160	201	82.5	83.5	5.5
	2	1885		2.95	2.95	3.94	3.94	6.30	7.91	3.25	3.29	12.13

Inches=mm/25.4  
lbs=kg x 2.204622

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**IA Series Dust Cap**

For more information on dust caps and order information, see page 38

Sizes listed are for reference only and are subject to change.