



# IB SERIES

## PULL BREAK HYDRAULIC COUPLINGS Carbon Steel, Stainless Steel



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### INTRODUCTION

Holmbury IB Series couplings meet the ISO 7241-1 type B design criteria and are tough, durable and of superior quality. They are ideally suited to heavy industrial applications which would typically include: food processing and manufacturing, shipbuilding, offshore, machine tool/automation, oil refineries, steel mills, chemicals and pharmaceuticals.

### FEATURES

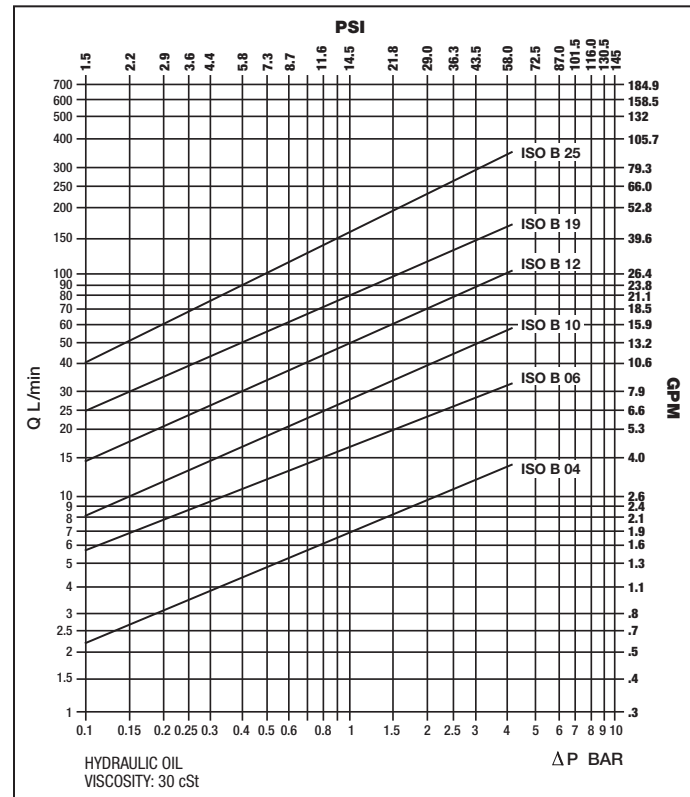
- Positive, quick connection ensured by the snap together locking ball system. When connected the male and female halves can rotate, even under pressure, thus avoiding any torsional stress in the flexible hoses.
- Poppet valves have balanced springs and calibrated oil flow passages to minimize the pressure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

### CONSTRUCTION

**IB Series couplings** - Heat treated, carbon steel, zinc plated. Nitrile O ring seals with Teflon backing rings.

**IBS Series couplings** - AISI 316 stainless steel. Viton O ring seals with Teflon backing rings.

### Pressure Drop Characteristics



### Order Codes

<b>IB</b>	<b>19 - M - 12</b>	<b>N</b>
<b>IB</b> = Carbon Steel <b>IBS</b> = Stainless Steel		<b>Thread Gender</b> Blank = Female M = Male
<b>Body Size</b> 04 = 1/8" 06 = 1/4" 10 = 3/8" 12 = 1/2" 19 = 3/4" 25 = 1"		<b>Thread Type</b> G = BSPP N = NPTF
<b>Gender</b> M = Male Nipple F = Female Coupler	<b>Thread size based on dash system</b> 02 = 1/8"      08 = 1/2" 04 = 1/4"      12 = 3/4" 06 = 3/8"      16 = 1"	

Additional sizes available.

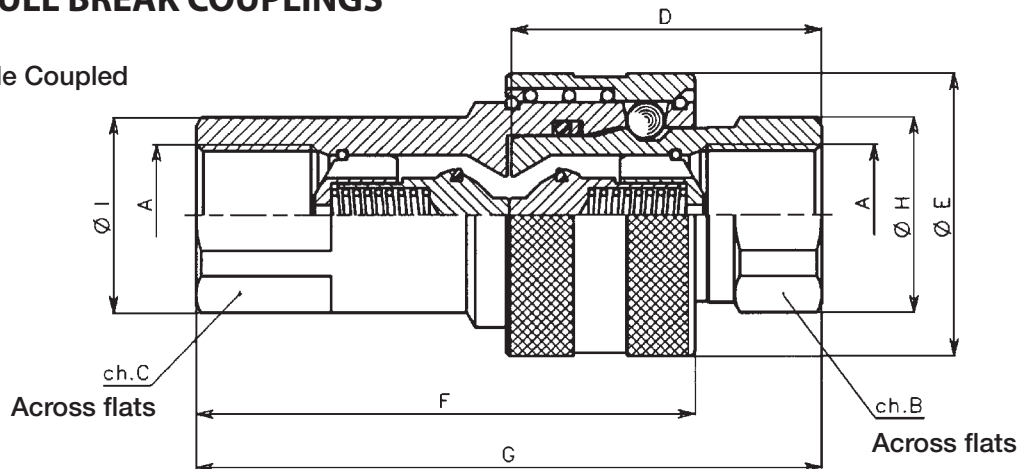
Note: Not all thread types and sizes are available as stock items. Minimum order quantity may be required. Consult factory for details.



**Holmbury**

**IB SERIES, PULL BREAK COUPLINGS**

Female and Male Coupled



**Dimensions (Carbon Steel)**

Type and Size	Body Size	Max. Oper. Pressure	A	B	C	D	E	F	G	H	I	Weight
												kg
	mm	Bar	NPTF Thread	Dimensions in millimeters								kg
	inches	PSI		Dimensions in inches								lb
IB04	4	350	1/8	14	17	29	24	48	69	16.1	19	0.09
	.125	5075		0.55	0.67	1.14	0.94	1.89	2.72	0.63	0.75	0.2
IB06	6	300	1/4	19	19	36	28.5	58	72	20.8	22	0.17
	.25	4350		0.75	0.75	1.42	1.12	2.28	2.83	0.82	0.87	0.38
IB10	10	250	3/8	24	24	40	35	65	80	26.5	27	0.31
	.38	3625		0.94	0.94	1.57	1.38	2.56	3.15	1.04	1.06	0.68
IB12	12	250	1/2	28.5	28.5	46.5	44.5	77	96.7	31.5	33.4	0.42
	.5	3625		1.12	1.12	1.83	1.75	3.03	3.81	1.24	1.31	0.93
IB19	19	230	3/4	36	36	56	54	92	112.8	39	39	0.92
	.75	3335		1.42	1.42	2.20	2.13	3.62	4.44	1.54	1.54	2.02
IB25	24	230	1	41	41	63	63.5	103	126.5	44.5	48	1.05
	1	3335		1.61	1.61	2.48	2.50	4.06	4.98	1.75	1.89	2.55

Inches=mm/25.4  
lbs=kg x 2.204622

**Dimensions (Stainless Steel)**

Type and Size	Body Size	Max. Oper. Pressure	A	B	C	D	E	F	G	H	I	Weight
												kg
	mm	Bar	NPTF Thread	Dimensions in millimeters								kg
	inches	PSI		Dimensions in inches								lb
IBS04	4	250	1/8	14	17	29	24	48	69	16.1	19	0.09
	.125	3625		0.55	0.67	1.14	0.94	1.89	2.72	0.63	0.75	0.2
IBS06	6	250	1/4	19	19	36	28.5	58	72	20.8	22	0.17
	.25	3625		0.75	0.75	1.42	1.12	2.28	2.83	0.82	0.87	0.38
IBS10	10	200	3/8	24	24	40	35	65	80	26.5	27	0.31
	.38	2900		0.94	0.94	1.57	1.38	2.56	3.15	1.04	1.06	0.68
IBS12	12	200	1/2	28.5	28.5	46.5	44.5	77	96.7	31.5	33.4	0.42
	.5	2900		1.12	1.12	1.83	1.75	3.03	3.81	1.24	1.31	0.93
IBS19	19	160	3/4	36	36	56	54	92	112.8	39	39	0.92
	.75	2320		1.42	1.42	2.20	2.13	3.62	4.44	1.54	1.54	2.02
IBS25	24	125	1	41	41	63	63.5	103	126.5	44.5	48	1.05
	1	1812.5		1.61	1.61	2.48	2.50	4.06	4.98	1.75	1.89	2.55

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