PLC SERIES

SCREW CONNECT, PULL BREAK COUPLINGS

Holmbury PLC couplings are designed with a screw to connect sleeve that allows for connection under pressure and is ideal for high impulse applications. Typical applications include: constrution, agriculture, oil field, idustrial and mobile hydraulics as well as a range of other industries and applications.

ADVANTAGES

- Screw on locking sleeve when used with PLC male.
- Ball bearing locking sleeve allows for connection with male DIN V couplings.
- Size 12 meets ISO 7241-1 Type A specification and will connect to an IA12 male.
- Connection can be made with one or both halves under pressure.

MATERIAL

Chrome 6 free, Zinc plated, carbon steel construction with Nitrile seals and Teflon back up rings.

ORDER CODES

PLC 19 - M - 12 G

PLC =
PLC Series

Body Size
10 = 3/8″
12 = 1/2″
19 = 3/4″
25 = 1″

Gender
M = Male Nipple
F = Female Coupler

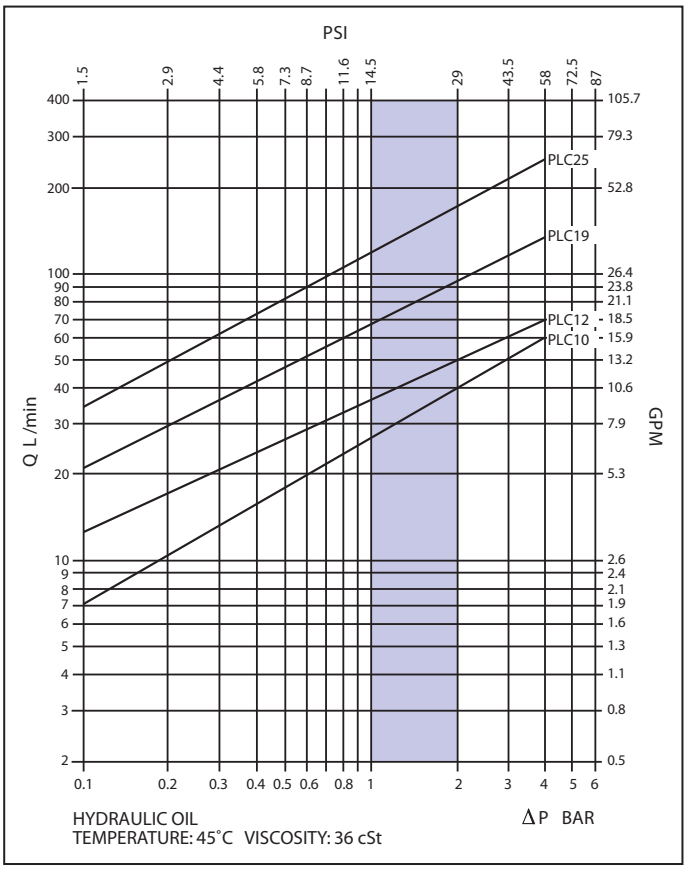
Thread size based on dash system
06 = 3/8″ 12 = 3/4″
08 = 1/2″ 16 = 1″

Thread Form
G = BSP (standard)

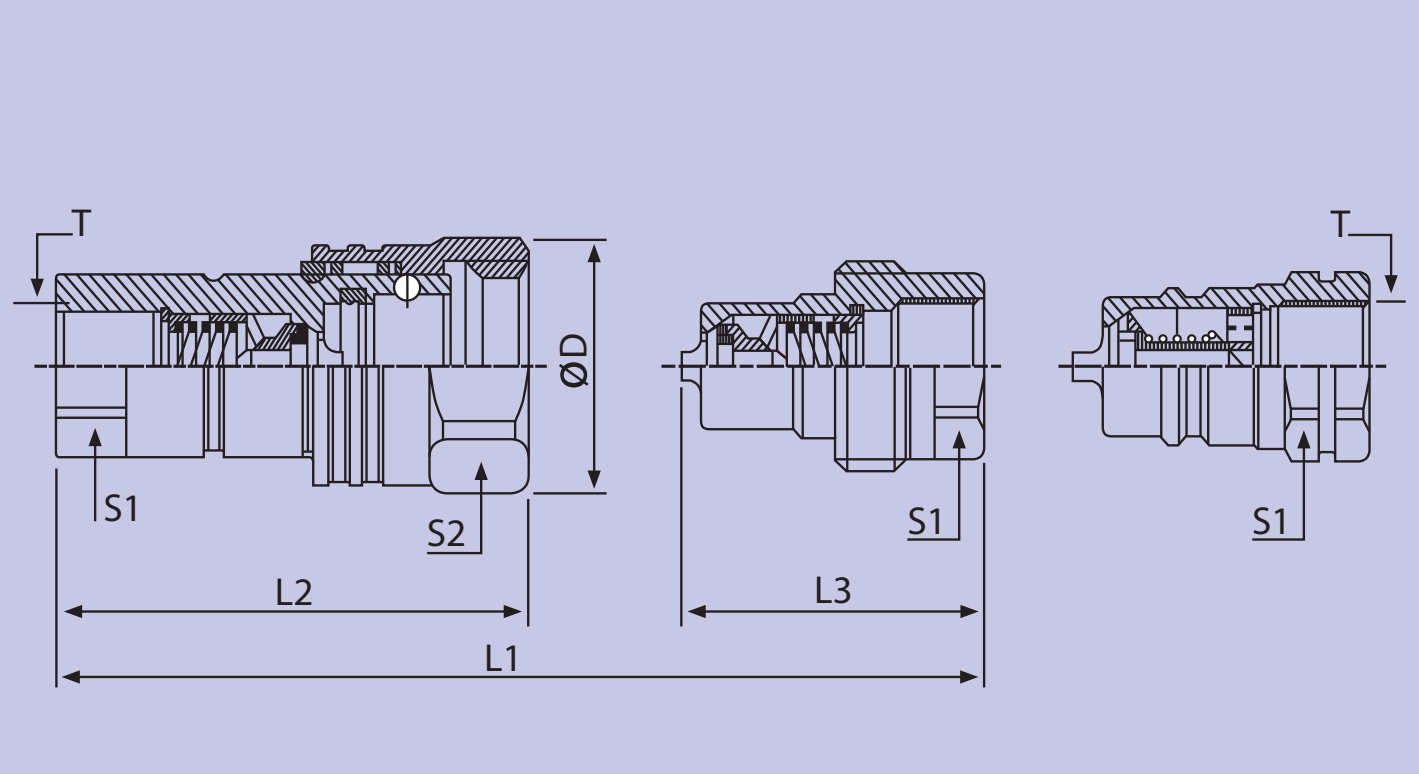
Thread Gender
Blank = Female

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

PRESSURE DROP CHARACTERISTICS



DRAWINGS



DIMENSIONS

Type & Size	Body Size	T	L1	L2	L3	D	S1	S2
	mm	BSP Thread	Dimensions in millimeters					
	inches		Dimensions in inches					
PLC06	10	3/8"	78.0	59.5	39.0	38.0	24.0	34.0
	0.38		3.07	2.34	1.54	1.50	0.94	1.34
PLC10	12	1/2"	94.5	68.0	49.0	42.0	27.0	38.0
	0.5		3.72	2.68	1.93	1.65	1.06	1.50
PLC12	19	3/4"	123.5	84.0	61.5	55.0	34.0	50.0
	0.75		4.86	3.31	2.42	2.17	1.34	1.97
PLC19	25	1"	139.5	99.5	73.0	60.0	41.0	55.0
	1		5.49	3.92	2.87	2.36	1.61	2.17

Inches=mm/25.4 lbs=kg x 2.204622

PRESSURE RATINGS

Size	Maximum Working Pressure		Burst Pressure					
			Connected		Male		Female	
	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI
PLC 10	300	4350	1500	21750	1200	17400	1200	17400
PLC 12	300	4350	1600	23200	1200	17400	1300	18850
PLC 19	250	3625	1200	17400	1000	14500	1000	14500
PLC 25	230	3335	1000	14500	900	13050	980	14210