

# SHS SERIES

## SCREW CONNECT, POPPET STYLE, STAINLESS STEEL COUPLINGS

### INTRODUCTION

Holmbury SHS Series couplings are designed for use in high pressure pulse applications. This typically includes construction plant, demolition equipment and agricultural machinery.

### ADVANTAGES

- ★ Screw connection mechanism avoids use of locking balls and so eliminates the risk of Brinelling (the problem of locking ball indentation in the nose of the probe).
- ★ Can be connected with up to 50 bar pressure in each hydraulic hose line.
- ★ Screw sleeve and grip ring on the external body allows quick connection and prevents accidental disconnection caused by vibration.

### MATERIALS

AISI 316 stainless steel with viton seals fitted as a standard.

### CONNECTION / DISCONNECTION UNDER PRESSURE

Connection with up to 50 bar residual pressure in the line is possible. Disconnection of any hydraulic coupling whilst under full system pressure can be very dangerous and should not be attempted.

### PRESSURE RATINGS (bar)

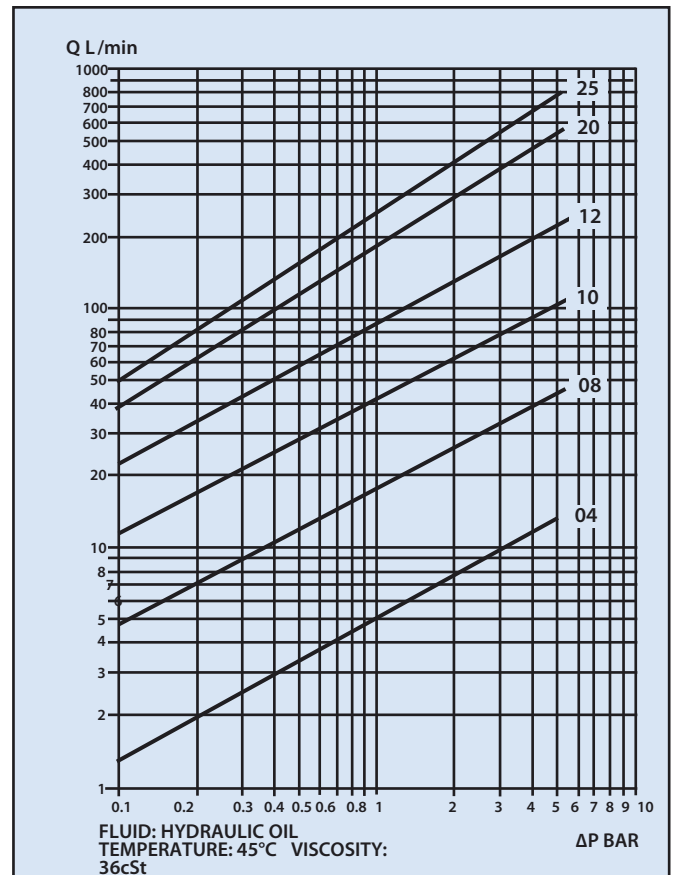
	SHS 04	SHS 08	SHS10	SHS12	SHS 20	SHS25
Max working pressure	450	450	450	400	300	300
Burst pressure coupled	1800	1600	1600	1500	1180	1800
Burst pressure female	1400	1750	1750	1600	1500	1600
Burst pressure male	1400	1550	1550	1200	1100	1200

### ORDER CODES\*

SHS 08 - 1 - IG F 06	
SHS = Series type	Thread Size 04 = 1/4" 16 = 1" 06 = 3/8" 20 = 1 1/4" 08 = 1/2" 24 = 1 1/2" 12 = 3/4"
Body Size 04 = 1/4" 12 = 3/4" 08 = 3/8" 20 = 1" 10 = 1/2" 25 = 1 1/4"	Thread Gender F = Female Blank = Male
Gender 1 = Female coupling 2 = Male coupling	Thread form IG = BSP P IN = NPT F M = Metric



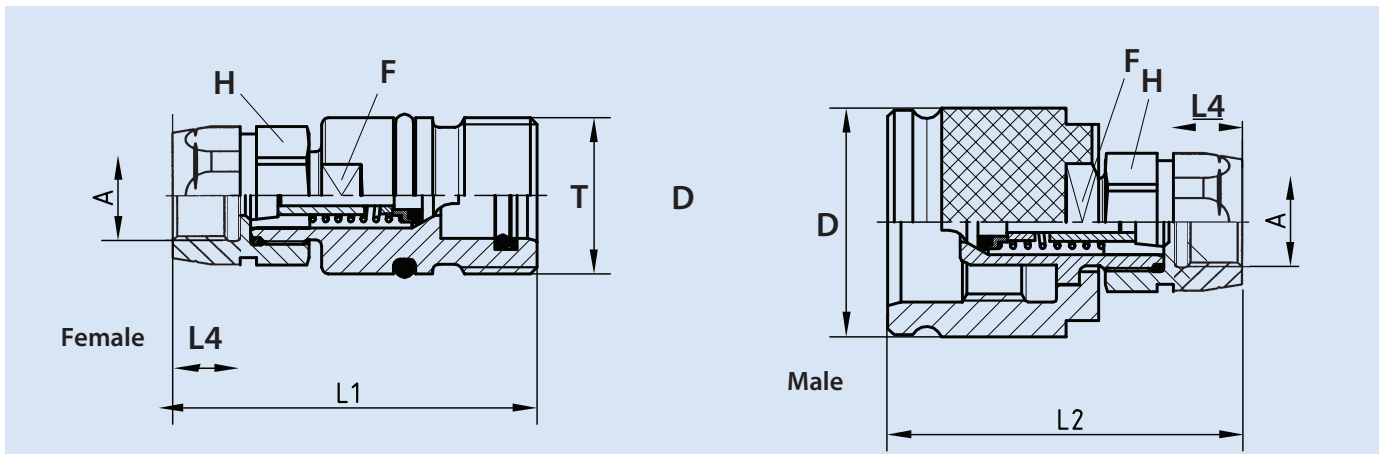
### PRESSURE DROP CHARACTERISTICS



\* Similar but not identical to the Holmbury order code system

Example: HS 08-1- IN F 06 HS Series, 3/8" body, female coupling with BSP P female thread size 3/8" with nitrile seals, carbon steel body.

## HS SERIES SCREW TO CONNECT POPPET COUPLINGS



### FEMALE DIMENSIONS

Type & Size	A - port size NPT F thread	T	F Flat	H Hex	L4 Thread Length	L1	Weight kg
HSO4	1/4"	M24X2	22	19	13	59	0.12
HSO8	3/8"	M28X2	24	22	13	64	0.16
HS10	1/2"	M36X2	30	30	15	68	0.285
HS12	3/4"	M42X2	36	36	19	85	0.526
HS20	1"	M48X2	41	41	19	99	0.706
HS25	1 1/4"	M70X3	85	80	55	29	1.63
HS25	1 1/2"	M70X3	85	80	55	31	1.715

### MALE DIMENSIONS

Type & Size	A port size NPT F thread	D	F Flat	H Hex	L4 Thread Length	L2	Weight kg
HSO4	1/4"	35	30	19	13	58	0.182
HSO8	3/8"	34	30	22	13	61	0.17
HS10	1/2"	42	36	30	15	66	0.27
HS12	3/4"	48	41	36	19	76	0.49
HS20	1"	55	50	41	19	82	0.58
HS25	1 1/4"	85	80	55	29	131	2.329
HS25	1 1/2"	85	80	55	31	133	2.26