



VOSWINKEL HS SERIES

SCREW TO CONNECT POPPET COUPLINGS



22

INTRODUCTION

The Voswinkel HS Series is a rugged screw together design that can be coupled under pressure and is well suited for heavy duty service conditions in construction machinery. When properly connected, the poppets are held rigidly in the open position making it ideal for applications that have severe hydraulic pulsations and pressure spikes.

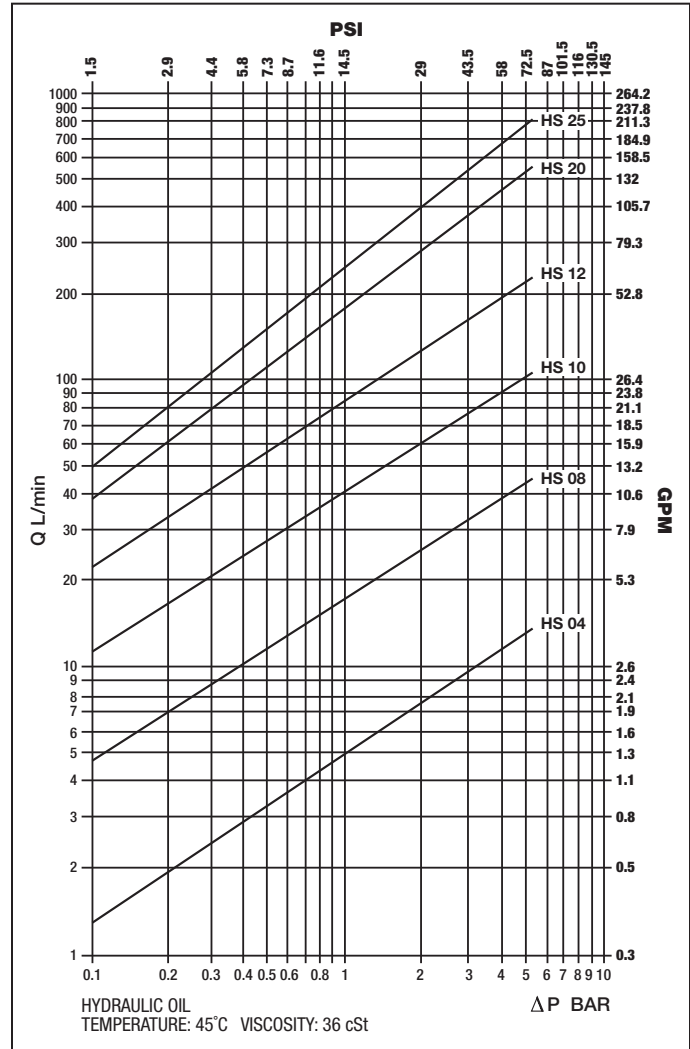
FEATURES

- 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 by hand with up to 50 bar (725 psi) pressure in each hydraulic hose line.
- Self locking connection mechanism prevents accidental disconnection caused by vibration.
- Modular construction allows numerous thread and connection options as standard.

MATERIALS

Hardened carbon steel body, zinc plated, nitrile seals. Stainless steel also available.

Pressure Drop Characteristics



Order Codes*

HS	08	- 1 -	IN	F	06
Voswinkel Coupling Series = HS Series					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 2 = Male					Thread Type IN = NPTF IG = BSPP

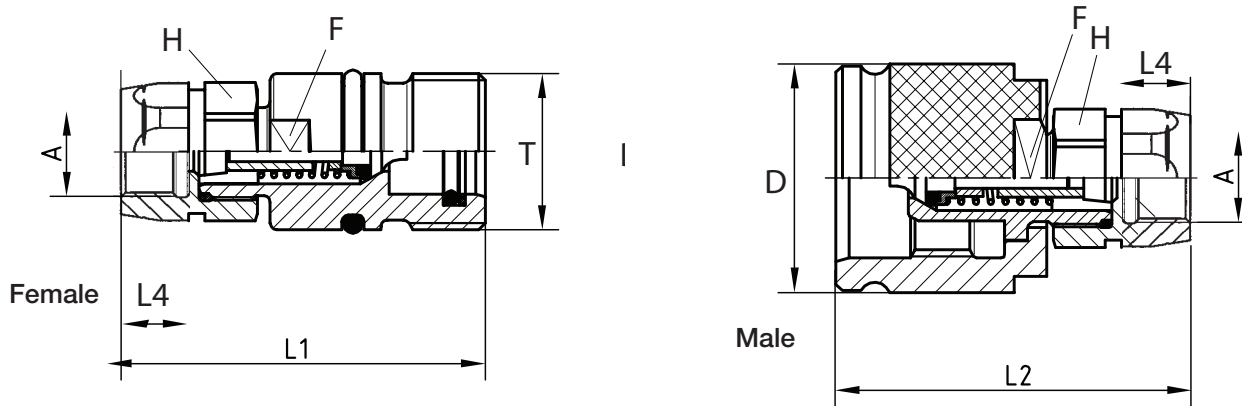
*Similar but not identical to Holmbury part code system

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



Holmbury

VOSWINKEL HS SERIES, SCREW TO CONNECT POPPET COUPLINGS



Female Dimensions

Type & Size	Max. Oper. Pressure	A Port Size	T	F Flat	H Hex	L4 Thd. Length	L1 OAL	Weight
				Dimensions in millimeters				kg
				Dimensions in inches				lb
HS04	450	1/4"	M24X2	22	19	13	59	.120
	6527			0.87	0.75	0.51	2.32	.265
HS08	450	3/8"	M28X2	24	22	13	64	.160
	6527			0.94	0.87	0.51	2.52	.353
HS10	400	1/2"	M36X2	30	30	15	68	.285
	5800			1.18	1.18	0.59	2.68	.628
HS12	400	3/4"	M42X2	36	36	19	85	.526
	5800			1.42	1.42	0.75	3.35	1.16
HS20	300	1"	M48X2	41	41	19	99	.706
	4350			1.61	1.61	0.75	3.90	1.557
HS25	300	1-1/4"	M70X3	85	80	55	29	1.630
	4350			3.35	3.15	2.17	1.14	3.593
HS25	300	1-1/2"	M70X3	85	80	55	31	1.715
	4350			3.35	3.15	2.17	1.22	3.781

Inches=mm/25.4 lbs=kg x 2.204622

Male Dimensions

Type & Size	Max. Oper. Pressure	A Port Size	D	F Flat	H Hex	L4 Thd. Length	L2 OAL	Weight
				Dimensions in millimeters				kg
				Dimensions in inches				lb
HS04	450	1/4"	35	30	19	13	58	.182
	6527		1.38	1.18	0.75	0.51	2.28	.401
HS08	450	3/8"	34	30	22	13	61	.170
	6527		1.34	1.18	0.87	0.51	2.40	.375
HS10	400	1/2"	42	36	30	15	66	.270
	5800		1.65	1.42	1.18	0.59	2.60	.595
HS12	400	3/4"	48	41	36	19	76	.490
	5800		1.89	1.61	1.42	0.75	2.99	1.080
HS20	300	1"	55	50	4	19	82	.580
	4350		2.17	1.97	0.16	0.75	3.23	1.279
HS25	300	1-1/4"	85	80	55	29	131	2.329
	4350		3.35	3.15	2.17	1.14	5.16	5.135
HS25	300	1-1/2"	85	80	55	31	133	2.260
	4350		3.35	3.15	2.17	1.22	5.24	4.983

See Page 38 for Dust Cap Information.

Also available in Metric Male Tube (DIN 3861) and Code 62 Flange Connectors.