

# HSS SERIES

## STAINLESS STEEL

### FLAT FACE COUPLINGS

#### INTRODUCTION

HSS Series couplings have been designed for applications involving the transmission of corrosive fluids and/or operation in corrosive environments. Dimensionally, the couplings conform to ISO 16028.

#### APPLICATIONS

Holmbury HSS Series Stainless Steel Couplings have a high resistance to corrosion and are suitable for use with many fluids which include: acids, gas, and demineralized water. They are the ideal choice for many industries such as marine, food, gas, chemical and pharmaceutical.

#### ADVANTAGES

- ★ All metal components are 100% AISI 316 stainless steel.
- ★ Clean disconnection - non-spill design.
- ★ No air intrusion during connection.
- ★ Flat faces can easily be wiped clean before connection to prevent the ingress of contaminants into the circuit.
- ★ Streamlined flow path minimizes pressure drop.
- ★ Locking sleeve prevents accidental disconnection.
- ★ Bi-directional flow
- ★ Dimensionally the couplings conform to ISO 16028

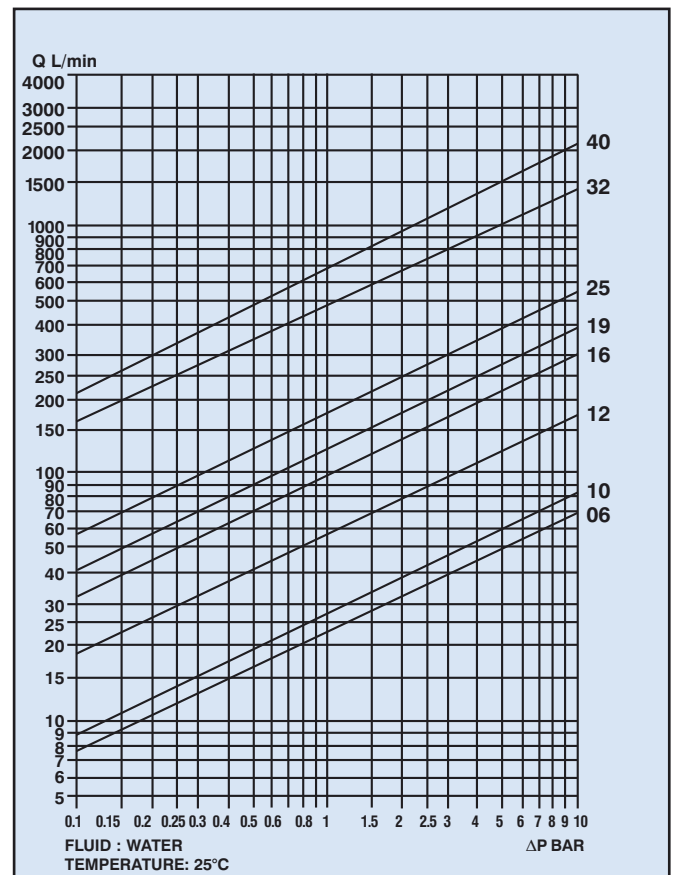
#### MATERIALS

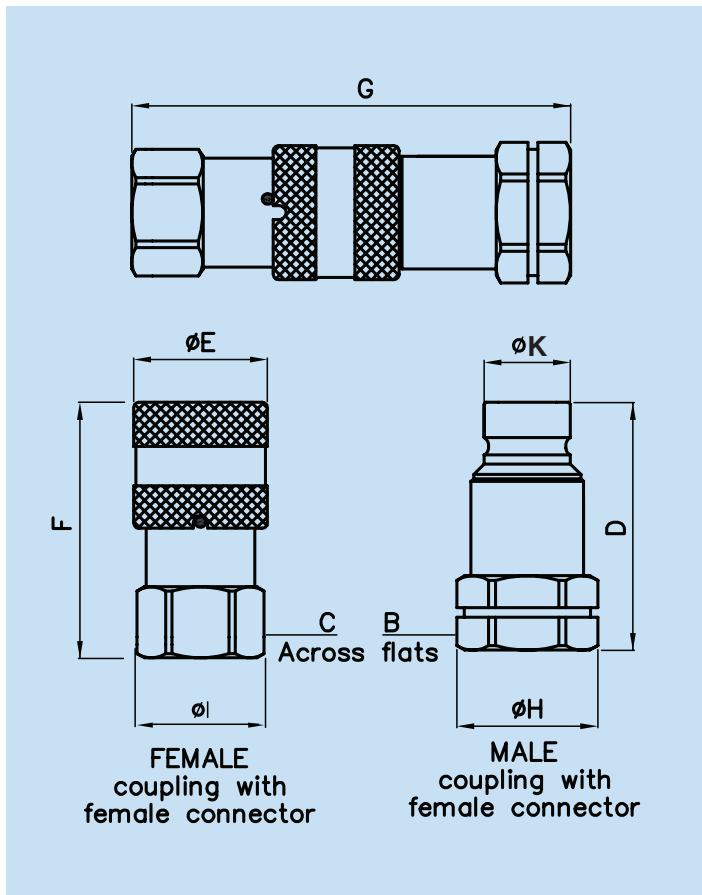
Body and structural components - AISI 316  
 Spring guide in male coupling - AISI 316  
 Springs - AISI 316  
 Locking balls - AISI 316  
 Seals - Viton

*For operation on fluids other than water or standard mineral oil please contact the Holmbury Technical Office.*



#### PRESSURE DROP CHARACTERISTICS





### DIMENSIONS (mm except where stated)

Size	Nominal Diameter	A*	B	C	D	ØE	F	G*	ØH	ØI	ØK	Weight (kg)
06	6	1/4"	22	22	48	28	48	86	24	24	16.2	0.25
10	10	3/8"	24	27	60	32	64.5	109	26	29	19.8	0.37
12	12	1/2"	32	32	68	38	73.5	125	35	35	24.5	0.5
16	16	3/4"	36	36	70.5	42	78	132	39	39	27	0.6
19	19	1"	45	45	82.5	48	92.5	154	48	48	30	1.0
25	25	1 1/4"	55	55	90	55	105	173	60	60	36	1.5
32	32	1 1/2"	65	65	90	80	105	173	70	70	57	4.0
40	40	2"	75	75	122	100	160	242	85	85	73	7.0

\* Dimensions for BSP and NPT threads. Other threads available, see Order Codes opposite

### PRESSURE RATING (bar)

Coupling Size	06	10	12	16	19	25	32	40
Maximum Working Pressure Coupled	350	350	350	350	350	250	90	60
Burst Pressure Coupled	1260	1000	1000	1000	1000	800	270	180

### ORDER CODES

	<b>HSS</b>	<b>06</b>	<b>- M</b>	<b>- 04</b>	<b>G</b>	<b>V</b>
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**HSS** = Series

**Coupling Size**

**M** = Male coupling  
**F** = Female coupling

**Thread size based on dash system**  
(Coupling body size shown in red for information only and should not be included in this section of the code)

Thread size	Body size	Thread size	Body size
04 = 1/4"	(06)	16 = 1"	(19)
06 = 3/8"	(10)	20 = 1 1/4"	(25)
08 = 1/2"	(12)	24 = 1 1/2"	(32)
12 = 3/4"	(16)	32 = 2"	(40)

**Thread form**

G = BSP P (standard)  
N = NPT (available on request)  
S = SAE (available on request)

**Blank** = Female thread (no code required)

**V** = Viton Seals (standard supply)  
Other seal materials available on request.

**Any other necessary information**

**Example: HSS06-M-04G V**  
HSS 06 male, 1/4" BSP P female thread, viton seals, no special requirements.

### SEAL OPERATING TEMPERATURES

Seal material code	Seal material	Maximum temperature	Minimum Temperature
V	Viton *	180°C	-15°C
NE	Neoprene	90°C	-40°C
	Nitrile	100°C	-20°C
S	Fluorosilicone	150°C	-50°C
K	Kalrez	300°C	-25°C

\* Viton is standard. Other seal materials available on request.