

## Flat face couplings made to the ISO 16028 Standard

### • HSS SERIES

#### INTRODUCTION

HSS Series stainless steel flat face couplings incorporate all the benefits of the carbon steel HQ Series couplings, whilst being perfectly suited for corrosive fluids and environments.



#### CONSTRUCTION

- AISI 316 stainless steel
- Fitted with FKM seals (Other seals available on request)
- Also available in carbon steel (See HQ Series) ISO 16028

#### FEATURES

- Safety locking sleeve fitted as standard to prevent accidental disconnection
- Flat faces are easily wiped clean
- Allows for minimal inclusion of air and contaminants during connection
- Flat face design prevents fluid loss during disconnection
- Bidirectional flow

#### ACCESSORIES

- Dust caps are available for the HSS Series

#### SPECIFICATIONS

- Operating temperatures (With FKM seals):  
=20°C  
(-4°F) to 200°C (392°F)

#### APPLICATIONS

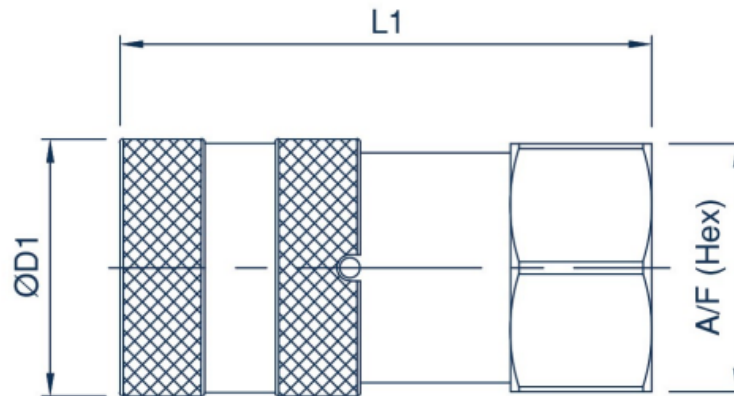
- Corrosive fluids and environments
- Marine
- Offshore/onshore
- Chemical
- Pharmaceutical

### HSS PERFORMANCE CHARACTERISTICS

Body Size	HSS06	HSS10	HSS12	HSS16	HSS19	HSS25	HSS32	HSS40
	Pressure in bar - Flow in LPM							
	Pressure in PSI - Flow in GPM							
Maximum working pressure (Coupled)	350	350	350	350	350	350	250	175
	5075	5075	5075	5075	5075	5075	3625	2538
Burst pressure (Coupled)	1300	1900	1600	1400	1400	1000	600	450
	18850	27550	23200	20300	20300	14500	8700	6525
Burst pressure (Male)	2600	1400	1100	1100	1100	1000	600	450
	37700	20300	15950	15950	15950	14500	8700	6525
Burst pressure (Female)	1600	1000	1000	1000	1000	1000	600	450
	23200	14500	14500	14500	14500	14500	8700	6525
Rated flow	12	23	45	74	100	189	250	379
	3.2	6.1	12	19.5	26.4	50	66	100

**FLAT FACE COUPLINGS MADE TO THE ISO 16028 STANDARD**

**• HSS SERIES**



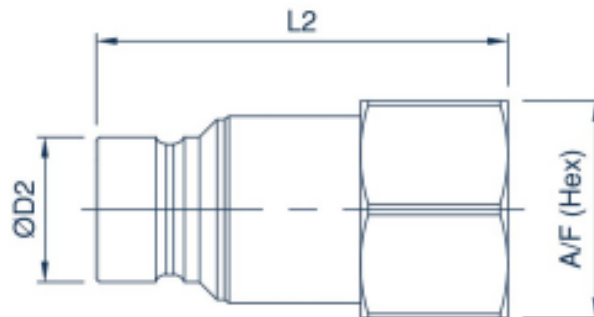
**HSS FEMALE COUPLING**

Body Size	Part Number	Thread Size	D1		L1		A/F	
			mm	inch	mm	inch	mm	inch
06 (1/4)	HSS06-F-04G	1/4 BSPP	28.0	1.10	51.3	2.02	22.0	0.87
	HSS06-F-04N	1/4 NPTF	28.0	1.10	51.3	2.02	22.0	0.87
	HSS06-F-06S	9/16-18UNF	28.0	1.10	54.0	2.13	22.0	0.87
10 (3/8)	HSS10-F-06G	3/8 BSPP	32.0	1.26	64.1	2.52	27.0	1.06
	HSS10-F-06N	3/8 NPTF	32.0	1.26	64.1	2.52	27.0	1.06
	HSS10-F-06S	9/16-18 UNF	32.0	1.26	69.0	2.72	30.0	1.18
	HSS10-F-08G	1/2 BSPP	32.0	1.26	68.0	2.68	27.0	1.06
	HSS10-F-08N	1/2 NPTF	32.0	1.26	68.0	2.68	27.0	1.06
	HSS10-F-08S	3/4-16 UNF	32.0	1.26	74.0	2.91	30.0	1.18
12 (1/2)	HSS12-F-08G	1/2 BSPP	38.0	1.50	74.0	2.91	30.0	1.18
	HSS12-F-08N	1/2 NPTF	38.0	1.50	74.0	2.91	30.0	1.18
	HSS12-F-08S	3/4-16 UNF	38.0	1.50	83.8	3.30	36.0	1.42
	HSS12-F-10S	7/8-14 UNF	38.0	1.50	83.8	3.30	36.0	1.42
	HSS12-F-12G	3/4 BSPP	38.0	1.50	80.0	3.15	34.0	1.34
	HSS12-F-12N	3/4 NPTF	38.0	1.50	80.0	3.15	34.0	1.34
16 (5/8)	HSS12-F-12S	1 1/16-12 UN	38.0	1.50	83.8	3.30	36.0	1.42
	HSS16-F-12G	3/4 BSPP	42.0	1.65	78.6	3.09	36.0	1.42
	HSS16-F-12N	3/4 NPTF	42.0	1.65	78.6	3.09	36.0	1.42
19 (3/4)	HSS16-F-12S	1 1/16-12 UN	42.0	1.65	78.6	3.09	36.0	1.42
	HSS19-F-12G	3/4 BSPP	48.0	1.89	93.0	3.66	44.0	1.73
	HSS19-F-12N	3/4 NPTF	48.0	1.89	93.0	3.66	44.0	1.73
	HSS19-F-12S	1 1/16-12 UN	48.0	1.89	99.0	3.90	46.0	1.81
	HSS19-F-16G	1 BSPP	48.0	1.89	93.0	3.66	45.0	1.77
	HSS19-F-16N	1 NPTF	48.0	1.89	93.0	3.66	45.0	1.77
25 (1)	HSS19-F-16S	1 5/16-12 UN	48.0	1.89	99.0	3.90	46.0	1.81
	HSS25-F-16G	1 BSPP	55.0	2.17	107.4	4.23	55.0	2.17
	HSS25-F-16N	1 NPTF	55.0	2.17	107.4	4.23	55.0	2.17
	HSS25-F-16S	1 5/16-12 UN	55.0	2.17	108.5	4.27	55.0	2.17
	HSS25-F-20G	1 1/4 BSPP	55.0	2.17	107.0	4.21	55.0	2.17
	HSS25-F-20N	1 1/4 NPTF	55.0	2.17	111.5	4.39	55.0	2.17
32 (1 1/4)	HSS25-F-20S	1 5/8-12 UN	55.0	2.17	111.5	4.39	55.0	2.17
	HSS32-F-24G	1 1/2 BSPP	80.0	3.15	132.2	5.20	65.0	2.56
	HSS32-F-24N	1 1/2 NPTF	80.0	3.15	132.2	5.20	65.0	2.56
40 (1 1/2)	HSS32-F-24S	1 7/8-12 UN	80.0	3.15	132.2	5.20	65.0	2.56
	HSS40-F-32G	2 BSPP	99.5	3.92	156.3	6.15	80.0	3.15
	HSS40-F-32S	2 NPTF	99.5	3.92	156.3	6.15	80.0	3.15
	HSS40-F-32N	2 1/2-12 UN	99.5	3.92	156.3	6.15	80.0	3.15

\*For all other configurations or thread types please contact the sales office.

**FLAT FACE COUPLINGS MADE TO THE ISO 16028 STANDARD**

**• HSS SERIES**



**HSS MALE COUPLING**

Body Size	Part Number	Thread Size	D2		L2		A/F	
			mm	Inch	mm	Inch	mm	Inch
06 (1/4)	HSS06-M-04G	1/4 BSPP	16.2	0.64	49.0	1.93	22.0	0.86
	HSS06-M-04N	1/4NPTF	16.2	0.64	49.0	1.93	22.0	0.86
	HSS06-M-06S	9/16-18 UNF	16.2	0.64	49.0	1.93	22.0	0.86
10 (3/8)	HSS10-M-06G	3/8 BSPP	19.7	0.78	60.0	2.36	24.0	0.94
	HSS10-M-06N	3/8 NPTF	19.7	0.78	60.0	2.36	24.0	0.94
	HSS10-M-06S	9/16-18 UNF	19.7	0.78	60.0	2.36	27.0	1.06
	HSS10-M-08G	1/2 BSPP	19.7	0.78	60.0	2.36	27.0	1.06
	HSS10-M-08N	1/2 NPTF	19.7	0.78	60.0	2.36	27.0	1.06
	HSS10-M-08S	3/4-16 UNF	19.7	0.78	63.0	2.48	27.0	1.06
12 (1/2)	HSS12-M-08G	1/2 BSPP	24.5	0.97	68.0	2.68	32.0	1.25
	HSS12-M-08N	1/2 NPTF	24.5	0.97	68.0	2.68	32.0	1.25
	HSS12-M-08S	3/4-16 UNF	24.5	0.97	71.0	2.80	36.0	1.41
	HSS12-M-10S	7/8-14 UNF	24.5	0.97	71.0	2.80	36.0	1.41
	HSS12-M-12G	3/4 BSPP	24.5	0.97	70.0	2.76	34.0	1.33
	HSS12-M-12N	3/4 NPTF	24.5	0.97	70.0	2.76	34.0	1.33
16 (5/8)	HSS12-M-12S	1 1/16-12 UN	24.5	0.97	71.0	2.80	36.0	1.41
	HSS16-M-12G	3/4 BSPP	27.0	1.06	70.0	2.76	36.0	1.41
	HSS16-M-12N	3/4 NPTF	27.0	1.06	70.0	2.76	36.0	1.41
19 (3/4)	HSS16-M-12S	1 1/16-12 UN	27.0	1.06	70.0	2.76	36.0	1.41
	HSS19-M-12G	3/4 BSPP	29.9	1.18	82.0	3.23	45.0	1.76
	HSS19-M-12N	3/4 NPTF	29.9	1.18	82.0	3.23	45.0	1.76
	HSS19-M-12S	1 1/16-12 UN	29.9	1.18	84.0	3.31	46.0	1.80
	HSS19-M-16G	1 BSPP	29.9	1.18	84.0	3.31	41.0	1.61
25 (1)	HSS19-M-16N	1 NPTF	29.9	1.18	84.0	3.31	41.0	1.61
	HSS19-M-16S	1 5/16-12 UN	29.9	1.18	84.0	3.31	46.0	1.80
	HSS25-M-16G	1 BSPP	36.0	1.42	90.0	3.54	55.0	2.16
	HSS25-M-16N	1 NPTF	36.0	1.42	90.0	3.54	55.0	2.16
	HSS25-M-16S	1 5/16-12 UN	36.0	1.42	97.0	3.82	55.0	2.16
	HSS25-M-20G	1 1/4 BSPP	36.0	1.42	90.0	3.54	55.0	2.16
32 (1 1/4)	HSS25-M-20N	1 1/4 NPTF	36.0	1.42	90.4	3.56	55.0	2.16
	HSS25-M-20S	1 5/8-12 UN	36.0	1.42	90.4	3.56	55.0	2.16
	HSS32-M-24G	1 1/2 BSPP	57.0	2.24	111.7	4.40	65.0	2.55
40 (1 1/2)	HSS32-M-24N	1 1/2 NPTF	57.0	2.24	111.7	4.40	65.0	2.55
	HSS32-M-24S	1 7/8-12 UN	57.0	2.24	111.7	4.40	65.0	2.55
	HSS40-M-32G	2 BSPP	73.0	2.87	124.2	4.89	75.0	2.94
40 (1 1/2)	HSS40-M-32S	2 NPTF	73.0	2.87	124.2	4.89	75.0	2.94
	HSS40-M-32N	2 1/2-12 UN	73.0	2.87	173.2	6.82	80.0	3.14

\*For all other configurations or thread types please contact the sales office.