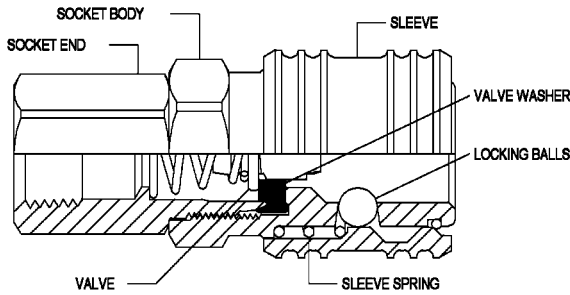




Series 1000/400/500

Industrial Interchange



Industrial Interchange Ball Lock Quick-Connect Couplings designed for compressed air, gases, and liquids. Body sizes are 1/4", 3/8" and 1/2".

Features

- Ball lock
- Manual operation
- Rugged, reliable
- 1/4" and 1/2" sockets accept MIL-C-4109 plugs
- Optional sleeve lock prevents accidental disconnection
- Optional seal and valve materials available
- Optional stainless steel socket (Series 1000 only)
- Series 400 sockets accept Tru-Flate Interchange plugs and Industrial Interchange plugs

Standard Materials

- Socket
 - Brass Body
 - Nickel Plated Steel Sleeve
 - Zinc Plated Steel Valve
 - Buna-N (Nitrile) Seal
 - Stainless Steel Springs
 - Stainless Steel Locking Balls
- Plug
 - Zinc Plated Case-Hardened Steel (All Sizes)
 - Brass (All Sizes)
 - Stainless Steel (Series 1000)

Accessories

- Dust caps and dust plugs (See page 66)

Rated Pressure

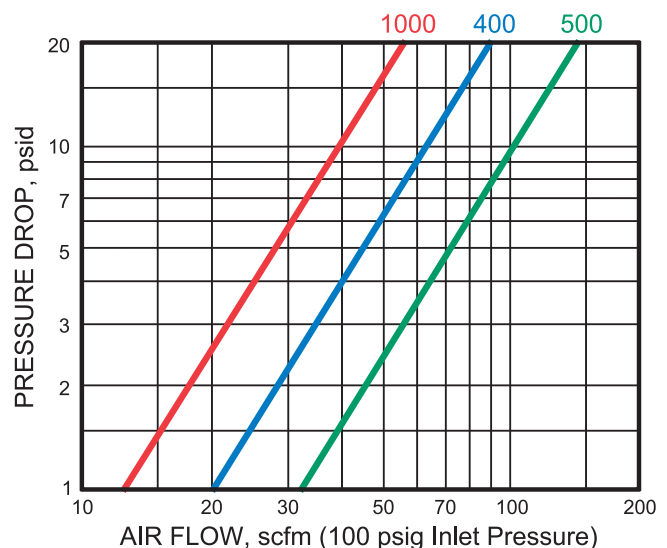
Series	Size	PSI	BAR
1000	1/4"	2,000	138
400	3/8"	1,000	69
500	1/2"	500	35

NOTE: Series 400 operating pressure is 150 psi when connected to Truflate Interchange plug.

Flow Capacity

Series	†Ac
1000	28
400	45
500	72

† Air flow (scfm) with 5 psi pressure drop and 100 psig inlet pressure



ONE-WAY

Series 1000 1/4" Nominal

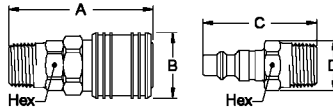


SOCKETS

PLUGS

Part No.	Thread Size	Dimensions		
		A	B	HEX
900	1/8-27 NPTF	2.07	1.00	0.69
1100	1/4-18 NPTF	2.22	1.00	0.69
1300	3/8-18 NPTF	2.22	1.00	0.69
1000-43	7/16-20*	2.16	1.00	0.69
1000-63	5/8-18*	2.29	1.00	0.69
Stainless				
LL-1100	1/4-18 NPTF	2.22	1.00	0.69

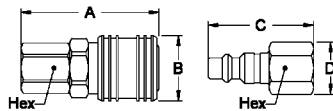
Male End Connections



Part No.	Thread Size	Dimensions		
		C	D	HEX
10	1/4-18 NPTF	1.75	0.65	0.56
10C§	1/4-18 NPTF	1.75	0.65	0.56
10G†	1/4-18 NPTF	1.75	0.65	0.56
12	1/8-27 NPTF	1.59	0.58	0.50
12G†	1/8-27 NPTF	2.38	0.77	0.69
14	3/8-18 NPTF	1.75	0.79	0.69
14G†	3/8-18 NPTF	2.53	0.77	0.69
10-43	7/16-20*	1.69	0.58	0.50
Brass				
B-10	1/4-18NPTF	1.75	0.64	0.56
Stainless				
LL-10	1/4-18 NPTF	1.75	0.65	0.56

Part No.	Thread Size	Dimensions		
		A	B	HEX
800	1/8-27 NPTF	1.91	1.00	0.69
1000	1/4-18 NPTF	1.91	1.00	0.69
1200	3/8-18 NPTF	2.19	1.00	0.75
Stainless				
LL-1000	1/4-18 NPTF	1.91	1.00	0.69

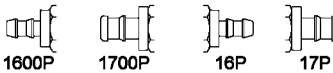
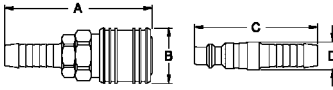
Female End Connections



Part No.	Thread Size	Dimensions		
		C	D	HEX
11	1/4-18 NPTF	1.63	0.79	0.69
11G†	1/4-18 NPTF	2.44	0.77	0.69
13	1/8-27 NPTF	1.47	0.65	0.56
15	3/8-18 NPTF	1.69	0.94	0.81
Brass				
11B	1/4-18 NPTF	1.63	0.78	0.69
Stainless				
LL-11	1/4-18 NPTF	1.63	0.79	0.69

Part No.	Hose I.D.	Dimensions	
		A	B
1600	1/4"	2.66	1.00
1600P‡	1/4"	2.44	1.00
1700	3/8"	2.65	1.00
1700P‡	3/8"	2.54	1.00
1800	5/16"	2.66	1.00

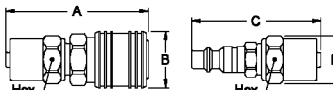
Hose Stem End Connections



Part No.	Hose I.D.	Dimensions	
		C	D
16	1/4"	2.22	0.50
16G†	1/4"	2.97	0.77
16P‡	1/4"	2.00	0.69
16PG†‡	1/4"	2.75	0.77
17	3/8"	2.31	0.50
17G†	3/8"	2.96	0.77
17P‡	3/8"	2.06	0.87
17PG†‡	3/8"	2.85	0.87
18	5/16"	2.22	0.50
Brass			
B-17	3/8"	2.31	0.50

Part No.	Hose		Dimensions		
	I.D.	O.D.	A	B	HEX
1-SA0	3/16"	7/16"	2.69	1.00	0.56
1-SA3	3/16"	1/2"	2.69	1.00	0.63
1-SB1	1/4"	15/32"	2.75	1.00	0.63
1-SB3	1/4"	1/2"	2.75	1.00	0.63
1-SB5	1/4"	9/16"	2.75	1.00	0.69
1-SB7	1/4"	5/8"	2.75	1.00	0.75
1-SC5	5/16"	9/16"	2.82	1.00	0.69
1-SC7	5/16"	5/8"	2.82	1.00	0.75
1-SC9	5/16"	11/16"	2.82	1.00	0.81
1-SD5	3/8"	9/16"	2.88	1.00	0.69
1-SD7	3/8"	5/8"	2.88	1.00	0.75
1-SD9	3/8"	11/16"	2.88	1.00	0.81
1-SD11	3/8"	3/4"	2.88	1.00	0.88

Hose Clamp End Connections



Part No.	Hose		Dimensions		
	I.D.	O.D.	C	D	HEX
3-PA0	3/16"	7/16"	2.25	0.63	0.56
3-PA3	3/16"	1/2"	2.25	0.70	0.63
3-PB1	1/4"	15/32"	2.31	0.70	0.63
3-PB3	1/4"	1/2"	2.31	0.70	0.63
3-PB5	1/4"	9/16"	2.31	0.77	0.69
3-PB7	1/4"	5/8"	2.31	0.84	0.75
3-PB9	1/4"	11/16"	2.31	0.91	0.81
3-PB11	1/4"	3/4"	2.31	0.98	0.88
3-PC5	5/16"	9/16"	2.38	0.77	0.69
3-PC7	5/16"	5/8"	2.38	0.84	0.75
3-PC9	5/16"	11/16"	2.38	0.91	0.81
3-PD5	3/8"	9/16"	2.44	0.77	0.69
3-PD7	3/8"	5/8"	2.44	0.84	0.75
3-PD9	3/8"	11/16"	2.44	0.91	0.81
3-PD11	3/8"	3/4"	2.44	1.00	0.88
3-PD13	3/8"	13/16"	2.44	1.05	0.94
3-PD15	3/8"	7/8"	2.44	1.12	1.00

*45° Male Flare §With Ball Check †With Bleeder Ball Check – Reduces hose whip when disconnecting. ‡For use with push-on style hose.

How to build a socket part number with options:

Example: **1000 - BV - SL - 143**

- Notes:
- 1) Some part numbers may be subject to minimum order quantities.
 - 2) Options not shown may be available by special quotation. Consult your Hansen distributor.

Standard Part Number from Socket Tables Above

Valve Material:
BV = Brass
LLV = 303 Stainless Steel

Seal Material:
138 = Silicone
143 = Viton
192 = EPDM

SL = Sleeve Lock

All dimensions in inches.