

4000 Series

Pneumatic application



Danfoss Hansen 3000/4000/5000/6000 Series Industrial Interchange pin lock pneumatic quick disconnect couplings are designed for compressed air, gases, and liquids. This series sets the industry standard for pin lock style pneumatic couplings.

Product Features

- Easy, automatic, push-to-connect design provides instantaneous connection and disconnection of lines, plus automatic shut-off of socket/female end of line
- All sizes accept US industrial Interchange; 1/4" & 1/2" also accept ISO 6150 Series B and A-A-59439 plugs/males
- Optional sleeve lock option prevents accidental disconnection
- Standard body material: Brass
- Standard seal material: Buna-N
- Optional seal and valve materials: Silicone-138, FKM-143, EPDM-192

Physical Characteristics

Series	Body Size	Max. Operating Pressure		Min. Burst Pressure		Rated Flow	
	(in)	(bar)	(psi)	(bar)	(psi)	(lpm)	scfm
3000	1/4	138	2,000	552	8,000	680	24
4000	3/8	69	1,000	276	4,000	1,274	45
5000	1/2	35	500	140	2,000	2,040	72
6000	3/4	15	220	60	880	3,540	125

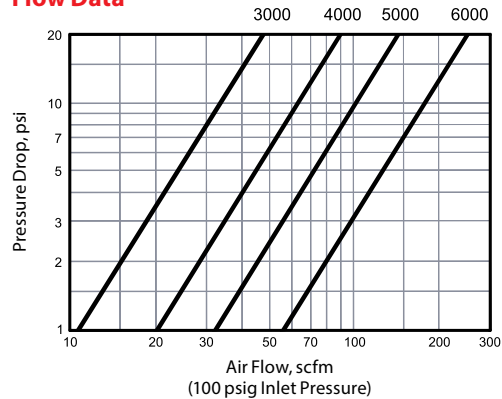
Applications & Markets

- Industrial Breathing Air
- General Pneumatics
- Maintenance & Repair
- Fluid Transfer

Interchangeability

All Sizes	1/4" & 1/2"
US Industrial Interchange	ISO 6150 Series B A-A-59439 (former MIL-C-4109)

Flow Data



4000 Series

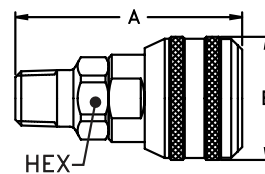


Figure 1

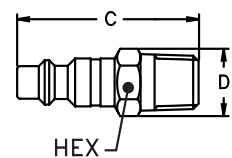


Figure 2

Male End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			Hex	A	B	Hex
								A	B	Hex				
								(in)	(in)	(in)				
4100A	Socket/Female	3/8	1/8	1/8-27	NPTF	Brass	1	2.20	1.38	0.88	55.88	35.05	22.35	
4100	Socket/Female	3/8	1/4	1/4-18	NPTF	Brass	1	2.35	1.38	0.88	59.69	35.05	22.35	
4300	Socket/Female	3/8	3/8	3/8-18	NPTF	Brass	1	2.35	1.38	0.88	59.69	35.05	22.35	
4500E	Socket/Female	3/8	1/2	1/2-14	NPTF	Brass	1	2.54	1.38	0.88	64.52	35.05	22.35	

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			Hex	C	D	Hex
								C	D	Hex				
								(in)	(in)	(in)				
38	Plug/Male	3/8	1/8	1/8-27	NPTF	Steel	2	1.72	0.72	0.63	43.69	18.29	16.00	
40	Plug/Male	3/8	1/4	1/4-18	NPTF	Steel	2	1.88	0.72	0.63	47.75	18.29	16.00	
40G†	Plug/Male	3/8	1/4	1/4-18	NPTF	Steel	2	2.65	0.77	0.69	67.31	19.56	17.53	
42	Plug/Male	3/8	3/8	3/8-18	NPTF	Steel	2	1.88	0.79	0.69	47.75	20.07	17.53	
42G†	Plug/Male	3/8	3/8	3/8-18	NPTF	Steel	2	2.65	0.77	0.69	67.31	19.56	17.53	
44	Plug/Male	3/8	1/2	1/2-14	NPTF	Steel	2	2.09	1.01	0.88	53.09	25.65	22.35	
B40	Plug/Male	3/8	1/4	1/4-18	NPTF	Brass	2	1.88	0.70	0.63	47.75	17.78	16.00	
B42	Plug/Male	3/8	3/8	3/8-18	NPTF	Brass	2	1.88	0.77	0.69	47.75	19.56	17.53	
40NK*	Plug/Male	3/8	1/4	1/4-18	NPTF	Steel	2	1.88	0.72	0.63	47.75	18.29	16.00	

†With Bleeder Ball Check—Reduces Hose Whip *Nickel plated

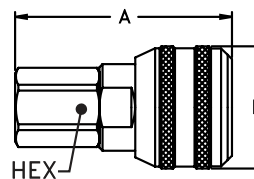


Figure 3

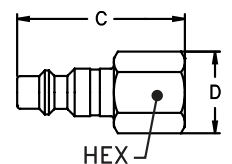


Figure 4

Female End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			Hex	A	B	Hex
								A	B	Hex				
								(in)	(in)	(in)				
4000A	Socket/Female	3/8	1/8	1/8-27	NPTF	Brass	3	2.10	1.38	0.88	53.34	35.05	22.35	
4000	Socket/Female	3/8	1/4	1/4-18	NPTF	Brass	3	2.10	1.38	0.88	53.34	35.05	22.35	
4200	Socket/Female	3/8	3/8	3/8-18	NPTF	Brass	3	2.35	1.38	0.88	59.69	35.05	22.35	
4400	Socket/Female	3/8	1/2	1/2-14	NPTF	Brass	3	2.62	1.38	1	66.55	35.05	25.40	

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			Hex	C	D	Hex
								C	D	Hex				
								(in)	(in)	(in)				
41	Plug/Male	3/8	1/4	1/4-18	NPTF	Steel	4	1.63	0.79	0.69	41.40	20.07	17.53	
41G†	Plug/Male	3/8	1/4	1/4-18	NPTF	Steel	4	2.56	0.77	0.69	65.02	19.56	17.53	
43	Plug/Male	3/8	3/8	3/8-18	NPTF	Steel	4	1.81	0.94	0.81	45.97	23.88	20.57	
43G†	Plug/Male	3/8	3/8	3/8-18	NPTF	Steel	4	2.62	0.84	0.75	66.55	21.34	19.05	
45E	Plug/Male	3/8	1/2	1/2-14	NPTF	Steel	4	2.06	1.15	1	52.32	29.21	25.40	
B43	Plug/Male	3/8	3/8	3/8-18	NPTF	Brass	4	1.81	0.91	0.81	45.97	23.11	20.57	
41NK*	Plug/Male	3/8	1/4	1/4-18	NPTF	Steel	4	1.63	0.79	0.69	41.40	20.07	17.53	

†With Bleeder Ball Check—Reduces Hose Whip *Nickel plated

4000 Series

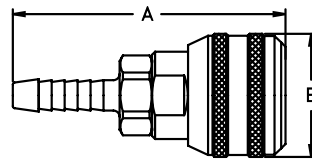


Figure 5

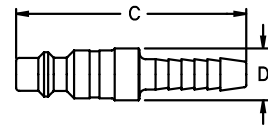


Figure 6

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions			
						A (in)	B (in)	A (mm)	B (mm)
40400E	Socket/Female	3/8	1/4	Brass	5	2.82	1.38	71.63	35.05
40500E	Socket/Female	3/8	5/16	Brass	5	2.82	1.38	71.63	35.05
40600	Socket/Female	3/8	3/8	Brass	5	2.82	1.38	71.63	35.05
40800	Socket/Female	3/8	1/2	Brass	5	2.82	1.38	71.63	35.05
Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions			
						C (in)	D (in)	C (mm)	D (mm)
404	Plug/Male	3/8	1/4	Steel	6	2.34	0.72	59.44	18.29
406	Plug/Male	3/8	3/8	Steel	6	2.34	0.63	59.44	16.00
408	Plug/Male	3/8	1/2	Steel	6	2.34	0.81	59.44	20.57
B406E	Plug/Male	3/8	3/8	Brass	6	2.34	0.63	59.44	16.00

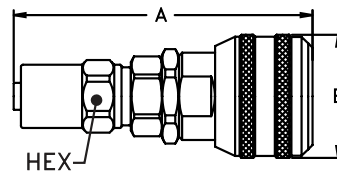


Figure 7

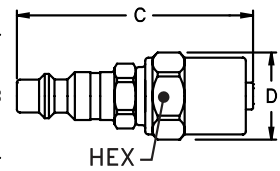


Figure 8

Hose Clamp End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Material	Fig.	Dimensions					
							A (in)	B (in)	Hex (in)	A (mm)	B (mm)	Hex (mm)
4SB3	Socket/Female	3/8	1/4	1/2	Brass	7	2.92	1.38	0.63	74.17	35.05	16.00
4SB7	Socket/Female	3/8	1/4	5/8	Brass	7	2.92	1.38	0.75	74.17	35.05	19.05
4SC7	Socket/Female	3/8	5/16	5/8	Brass	7	2.98	1.38	0.75	75.69	35.05	19.05
4SD7	Socket/Female	3/8	3/8	5/8	Brass	7	3.04	1.38	0.75	77.22	35.05	19.05
4SD9	Socket/Female	3/8	3/8	11/16	Brass	7	3.04	1.38	0.81	77.22	35.05	20.57
4SD11	Socket/Female	3/8	3/8	3/4	Brass	7	3.04	1.38	0.88	77.22	35.05	22.35
4SP13	Socket/Female	3/8	1/2	13/16	Brass	7	3.67	1.38	0.94	93.22	35.05	23.88
4SP15	Socket/Female	3/8	1/2	7/8	Brass	7	3.67	1.38	1.00	93.22	35.05	25.40
Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Material	Fig.	Dimensions					
							C (in)	D (in)	Hex (in)	C (mm)	D (mm)	Hex (mm)
4PB3	Plug/Male	3/8	1/4	1/2	Steel	8	2.44	0.70	0.63	61.98	17.78	16.00
4PB7	Plug/Male	3/8	1/4	5/8	Steel	8	2.44	0.84	0.75	61.98	21.34	19.05
4PD7	Plug/Male	3/8	3/8	5/8	Steel	8	2.56	0.84	0.75	65.02	21.34	19.05
4PD9	Plug/Male	3/8	3/8	11/16	Steel	8	2.56	0.91	0.81	65.02	23.11	20.57
4PD11	Plug/Male	3/8	3/8	3/4	Steel	8	2.56	0.98	0.88	65.02	24.89	22.35
4PD15	Plug/Male	3/8	3/8	7/8	Steel	8	2.56	1.12	1.00	65.02	28.45	25.40
4PP13	Plug/Male	3/8	1/2	13/16	Steel	8	3.25	1.05	0.94	82.55	26.67	23.88
4PP15	Plug/Male	3/8	1/2	7/8	Steel	8	3.25	1.12	1.00	82.55	28.45	25.40
4PP19	Plug/Male	3/8	1/2	1	Steel	8	3.25	1.26	1.13	82.55	32.00	28.70
4PB5	Plug/Male	3/8	1/4	9/16	Steel	8	2.44	0.77	0.69	61.98	19.56	17.53