

# 5000 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

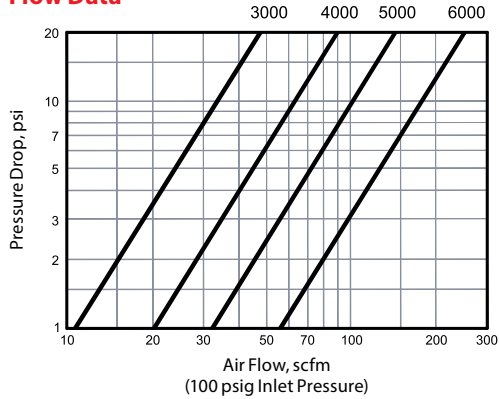
### Applications & Markets

- 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



# 5000 Series

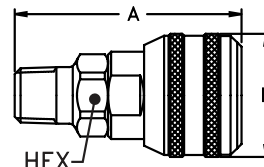


Figure 1

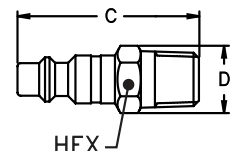


Figure 2

## 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)				
50100	Socket/Female	1/2	1/4	1/4-18	NPTF	Brass	1	2.78	1.50	1.00	70.61	38.10	25.40	
5100E	Socket/Female	1/2	3/8	3/8-18	NPTF	Brass	1	2.79	1.50	1.00	70.87	38.10	25.40	
5300E	Socket/Female	1/2	1/2	1/2-14	NPTF	Brass	1	2.98	1.50	1.00	75.69	38.10	25.40	
5500	Socket/Female	1/2	3/4	3/4-14	NPTF	Brass	1	2.98	1.50	1.06	75.69	38.10	26.92	

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			Hex	C	D	Hex
								C	D	Hex				
								(in)	(in)	(in)				
50E	Plug/Male	1/2	1/4	1/4-18	NPTF	Steel	2	2.25	0.79	0.69	57.15	20.07	17.53	
50G†	Plug/Male	1/2	1/4	1/4-18	NPTF	Steel	2	2.90	0.98	0.88	73.66	24.89	22.35	
52	Plug/Male	1/2	3/8	3/8-18	NPTF	Steel	2	2.25	0.87	0.75	57.15	22.10	19.05	
52G†	Plug/Male	1/2	3/8	3/8-18	NPTF	Steel	2	2.90	0.98	0.88	73.66	24.89	22.35	
54E	Plug/Male	1/2	1/2	1/2-14	NPTF	Steel	2	2.44	1.01	0.88	61.98	25.65	22.35	
54G†	Plug/Male	1/2	1/2	1/2-14	NPTF	Steel	2	3.09	0.98	0.88	78.49	24.89	22.35	
56	Plug/Male	1/2	3/4	3/4-14	NPTF	Steel	2	2.50	1.23	1.06	63.50	31.24	26.92	
56G†	Plug/Male	1/2	3/4	3/4-14	NPTF	Steel	2	3.14	1.19	1.06	79.76	30.23	26.92	
B52	Plug/Male	1/2	3/8	3/8-18	NPTF	Brass	2	2.25	0.87	0.75	57.15	22.10	19.05	
B54	Plug/Male	1/2	1/2	1/2-14	NPTF	Brass	2	2.44	1.01	0.88	61.98	25.65	22.35	

†With Bleeder Ball Check—Reduces Hose Whip

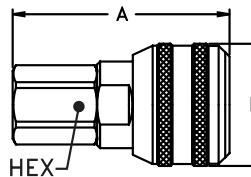


Figure 3

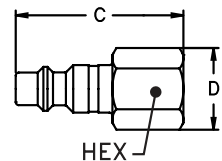


Figure 4

## 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)				
5000A	Socket/Female	1/2	1/4	1/4-18	NPTF	Brass	3	2.72	1.50	1.00	69.09	38.10	25.40	
5000	Socket/Female	1/2	3/8	3/8-18	NPTF	Brass	3	2.79	1.50	1.00	70.87	38.10	25.40	
5200	Socket/Female	1/2	1/2	1/2-14	NPTF	Brass	3	3.07	1.50	1.00	77.98	38.10	25.40	
5400E	Socket/Female	1/2	3/4	3/4-14	NPTF	Brass	3	3.10	1.50	1.19	78.74	38.10	30.23	

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			Hex	C	D	Hex
								C	D	Hex				
								(in)	(in)	(in)				
53A	Plug/Male	1/2	1/4	1/4-18	NPTF	Steel	4	1.92	0.79	0.69	48.77	20.07	17.53	
53	Plug/Male	1/2	3/8	3/8-18	NPTF	Steel	4	2.06	0.94	0.81	52.32	23.88	20.57	
53G†	Plug/Male	1/2	3/8	3/8-18	NPTF	Steel	4	2.9	0.98	0.88	73.66	24.89	22.35	
55	Plug/Male	1/2	1/2	1/2-14	NPTF	Steel	4	2.34	1.15	1	59.44	29.21	25.40	
55G†	Plug/Male	1/2	1/2	1/2-14	NPTF	Steel	4	3.17	1.15	1.00	80.52	29.21	25.40	
57	Plug/Male	1/2	3/4	3/4-14	NPTF	Steel	4	2.44	1.37	1.19	61.98	34.80	30.23	

†With Bleeder Ball Check—Reduces Hose Whip

# 5000 Series

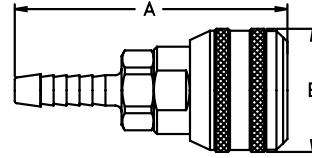


Figure 5

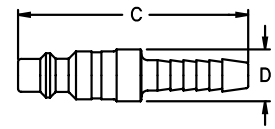


Figure 6

## Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions			
						A	B	A	B
						(in)	(in)	(mm)	(mm)
50400	Socket/Female	1/2	1/4	Brass	5	3.29	1.50	83.57	38.10
5700E	Socket/Female	1/2	3/8	Brass	5	3.33	1.50	84.58	38.10
5800E	Socket/Female	1/2	1/2	Brass	5	3.25	1.50	82.55	38.10
5900	Socket/Female	1/2	3/4	Brass	5	4.10	1.50	104.14	38.10

Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions			
						C	D	C	D
						(in)	(in)	(mm)	(mm)
585	Plug/Male	1/2	5/16	Steel	6	2.66	0.69	67.56	17.53
585G†	Plug/Male	1/2	5/16	Brass	6	3.37	0.98	85.60	24.89
59	Plug/Male	1/2	3/8	Steel	6	2.66	0.69	67.56	17.53
59G†	Plug/Male	1/2	3/8	Brass	6	3.37	0.98	85.60	24.89
60	Plug/Male	1/2	1/2	Steel	6	2.66	0.75	67.56	19.05
60G†	Plug/Male	1/2	1/2	Brass	6	3.37	0.98	85.60	24.89
61E	Plug/Male	1/2	3/4	Steel	6	3.50	1.00	88.90	25.40
61G†	Plug/Male	1/2	3/4	Brass	6	4.22	0.98	107.19	24.89
B60	Plug/Male	1/2	1/2	Brass	6	2.75	0.88	69.85	22.35

†With Bleeder Ball Check—Reduces Hose Whip

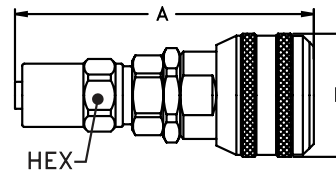


Figure 7

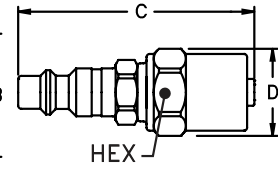


Figure 8

## Hose Clamp End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Material	Fig.	Dimensions			A	B	Hex
							A	B	Hex			
							(in)	(in)	(in)	(mm)	(mm)	(mm)
5SD5	Socket/Female	1/2	3/8	9/16	Brass	7	3.50	1.50	0.69	88.90	38.10	17.53
5SD7	Socket/Female	1/2	3/8	5/8	Brass	7	3.50	1.50	0.75	88.90	38.10	19.05
5SD9	Socket/Female	1/2	3/8	11/16	Brass	7	3.50	1.50	0.81	88.90	38.10	20.57
5SD11	Socket/Female	1/2	3/8	3/4	Brass	7	3.50	1.50	0.88	88.90	38.10	22.35
5SP13	Socket/Female	1/2	1/2	13/16	Brass	7	4.10	1.50	0.94	104.14	38.10	23.88
5SP15	Socket/Female	1/2	1/2	7/8	Brass	7	4.10	1.50	1.00	104.14	38.10	25.40
5SR23	Socket/Female	1/2	3/4	1 1/8	Brass	7	4.23	1.50	1.25	107.44	38.10	31.75
5SR25	Socket/Female	1/2	3/4	1 3/16	Brass	7	4.23	1.50	1.31	107.44	38.10	33.27
5SR27	Socket/Female	1/2	3/4	1 1/4	Brass	7	4.23	1.54	1.38	107.44	39.12	35.05

Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Material	Fig.	Dimensions			C	D	Hex
							C	D	Hex			
							(in)	(in)	(in)	(mm)	(mm)	(mm)
5PB3	Plug/Male	1/2	1/4	1/2	Steel	8	2.81	0.70	0.63	71.37	17.78	16.00
5PB5	Plug/Male	1/2	1/4	9/16	Steel	8	2.81	0.77	0.69	71.37	19.56	17.53
5PB7	Plug/Male	1/2	1/4	5/8	Steel	8	2.81	0.84	0.75	71.37	21.34	19.05
5PD5	Plug/Male	1/2	3/8	9/16	Steel	8	2.94	0.77	0.69	74.68	19.56	17.53
5PD7	Plug/Male	1/2	3/8	5/8	Steel	8	2.94	0.84	0.75	74.68	21.34	19.05
5PD9	Plug/Male	1/2	3/8	11/16	Steel	8	2.94	0.91	0.81	74.68	23.11	20.57
5PD11	Plug/Male	1/2	3/8	3/4	Steel	8	2.94	0.98	0.88	74.68	24.89	22.35
5PD13	Plug/Male	1/2	3/8	13/16	Steel	8	2.94	1.05	0.94	74.68	26.67	23.88
5PP13	Plug/Male	1/2	1/2	13/16	Steel	8	3.62	1.05	0.94	91.95	26.67	23.88
5PP15	Plug/Male	1/2	1/2	7/8	Steel	8	3.62	1.12	1.00	91.95	28.45	25.40
5PR23	Plug/Male	1/2	3/4	1 1/8	Steel	8	3.75	1.40	1.25	95.25	35.56	31.75
5PR25	Plug/Male	1/2	3/4	1 3/16	Steel	8	3.75	1.47	1.31	95.25	37.34	33.27
5PR27	Plug/Male	1/2	3/4	1 1/4	Steel	8	3.75	1.54	1.38	95.25	39.12	35.05