

100 Series

Pneumatic application



Danfoss' 100 Series quick disconnect couplings are designed to prevent the crossing of lines. These couplings are used for compressed air and gases.

Product Features

- Non-interchangeable design prevents crossing of lines
- Standard body material: Brass
- Standard seal material: Buna-N

Physical Characteristics

Series	Body Size	Max. Operating Pressure		Min. Burst Pressure		Rated Flow	
	(in)	(bar)	(psi)	(bar)	(psi)	(lpm)	scfm
100	1/4	24	350	96	2,800	566	20

Applications & Markets

- General Pneumatics
- Industrial Plants

Flow Data

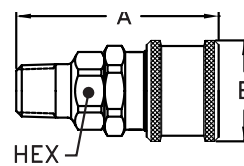
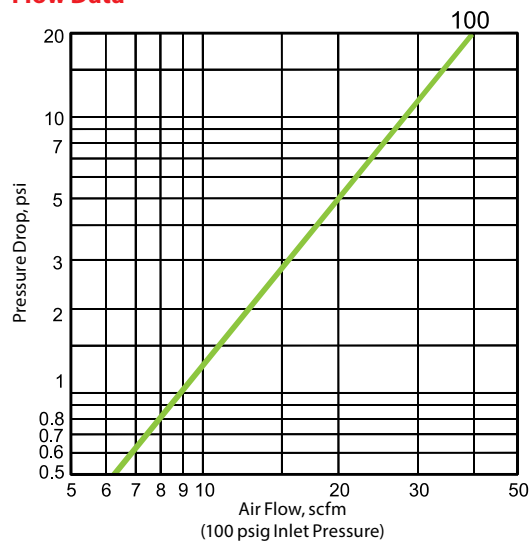


Figure 1

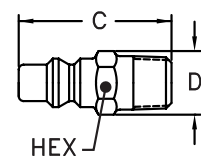


Figure 2

Male End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions			A (mm)	B (mm)	Hex (mm)
							A (in)	B (in)	Hex (in)			
101	Socket/Female	1/4	1/8	1/8-27	NPTF	1	1.86	1.03	0.69	47.2	26.2	17.5
103	Socket/Female	1/4	1/4	1/4-18	NPTF	1	2.05	1.03	0.69	52.1	26.2	17.5
105	Socket/Female	1/4	3/8	3/8-18	NPTF	1	2.01	1.03	0.69	51.1	26.2	17.5
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions			C (mm)	D (mm)	Hex (mm)
							C (in)	D (in)	Hex (in)			
1G1	Plug/Male	1/4	1/8	1/8-27	NPTF	2	1.38	0.65	0.56	35.1	16.5	14.2
1G3E	Plug/Male	1/4	1/4	1/4-18	NPTF	2	1.56	0.65	0.56	39.6	16.5	14.2
1G5E	Plug/Male	1/4	3/8	3/8-18	NPTF	2	1.56	0.79	0.69	39.6	20.1	17.5

100 Series

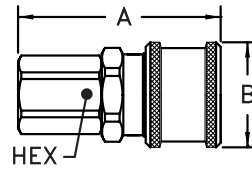


Figure 1

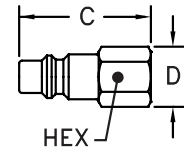


Figure 2

Female End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions			A	B	Hex
							A	B	Hex			
							(in)	(in)	(in)	(mm)	(mm)	(mm)
100E	Socket/Female	1/4	1/8	1/8-27	NPTF	1	1.75	1.03	0.69	44.5	26.2	17.5
102E	Socket/Female	1/4	1/4	1/4-18	NPTF	1	1.97	1.03	0.69	50.0	26.2	17.5
104	Socket/Female	1/4	3/8	3/8-18	NPTF	1	2.05	1.03	0.75	52.1	26.2	19.1

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions			C	D	Hex
							C	D	Hex			
							(in)	(in)	(in)	(mm)	(mm)	(mm)
1G2	Plug/Male	1/4	1/4	1/4-18	NPTF	2	1.43	0.79	0.69	36.3	20.1	17.5

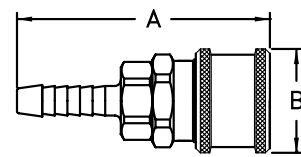


Figure 1

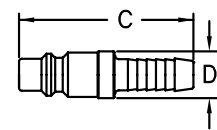


Figure 2

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions		A	B
					A	B		
					(in)	(in)	(mm)	(mm)
110E	Socket/Female	1/4	1/4	1	2.49	1.03	63.2	26.2
111E	Socket/Female	1/4	5/16	1	2.49	1.03	63.2	26.2
112E	Socket/Female	1/4	3/8	1	2.49	1.03	63.2	26.2

Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions		C	D
					C	D		
					(in)	(in)	(mm)	(mm)
1G10E	Plug/Male	1/4	1/4	2	2.00	0.56	50.8	14.2
1G12E	Plug/Male	1/4	3/8	2	2.03	0.56	51.6	14.2

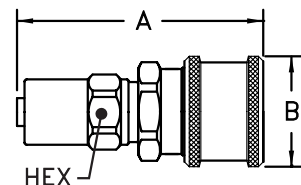


Figure 1

Hose Clamp End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Fig.	Dimensions			A	B	Hex	
						A	B	Hex				
							(in)	(in)	(in)	(mm)	(mm)	(mm)
1GB3	Socket/Female	1/4	1/4	1/2	1	2.58	1.03	0.63	65.5	26.2	16.0	
1GB7	Socket/Female	1/4	1/4	5/8	1	2.58	1.03	0.75	65.5	26.2	19.1	
1GD9	Socket/Female	1/4	3/8	11/16	1	2.70	1.03	0.81	68.6	26.2	20.6	

Dust Caps and Dust Plugs

Series	Dust Cap	Dust Plug
100	XPPDC1HK	XPSDC1HK

