

210/310 Series

Pneumatic application

Danfoss' 210/310 series pneumatic couplings have a pin-type one-way shut off operation.



Product Features

- Automatic push-to-connect
- Pin-lock design
- Alloy steel locking pins
- Standard body material: Zinc trivalent plated carbon steel
- Standard seal material: Buna-N

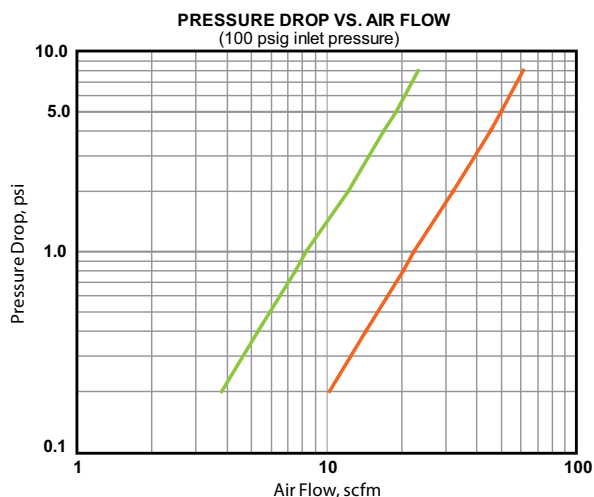
Physical Characteristics

Series	Body Size	Max. Operating Pressure		Min. Burst Pressure		Rated Flow	
	(in)	(bar)	(psi)	(bar)	(psi)	(lpm)	scfm
210	1/4	17	250	68	1,000	538	19
310	3/8	17	250	68	1,000	1,415	50

Applications & Markets

- Construction
- Maintenance and Repair
- In-plant/Industrial
- Pneumatic Tools

Flow Data



210 Series

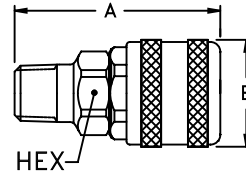


Figure 1

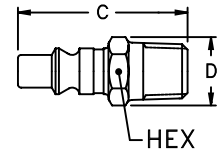


Figure 2

Male 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)
210212	Socket/Female	1/4	1/4	1/4-18	NPTF	1	1.95	1.02	0.69	49.5	25.9	17.5
210213	Socket/Female	1/4	3/8	3/8-18	NPTF	1	1.91	1.02	0.69	48.5	25.9	17.5
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions			C	D	Hex
							C	D	Hex			
							(in)	(in)	(in)	(mm)	(mm)	(mm)
2607	Plug/Male	1/4	1/8	1/8-27	NPTF	2	1.42	0.58	0.5	36.1	14.7	12.7
2608	Plug/Male	1/4	1/4	1/4-18	NPTF	2	1.68	0.65	0.56	42.7	16.5	14.2
2608B	Plug/Male	1/4	1/4	1/4-19	BSPT	2	1.68	0.65	0.56	42.7	16.5	14.2
20AP37M	Plug/Male	1/4	3/8	3/8-18	NPTF	2	1.68	0.79	0.69	42.7	20.1	17.5

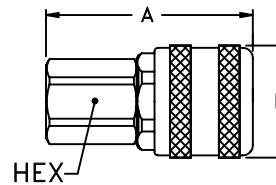


Figure 1

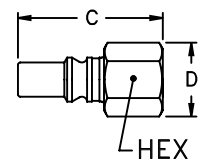


Figure 2

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)
210	Socket/Female	1/4	1/4	1/4-18	NPTF	1	1.87	1.02	0.69	47.5	25.9	17.5
62210*	Socket/Female	1/4	1/4	1/4-18	NPTF	1	1.87	1.02	0.69	47.5	25.9	17.5
210B	Socket/Female	1/4	1/4	1/4-19	BSPP	1	1.64	1.02	0.75	41.7	25.9	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)
2609	Plug/Male	1/4	1/4	1/4-18	NPTF	2	1.55	0.79	0.69	39.4	20.1	17.5
2609B	Plug/Male	1/4	1/4	1/4-19	BSPP	2	1.52	0.79	0.69	38.6	20.1	17.5
20AP37F	Plug/Male	1/4	3/8	3/8-18	NPTF	2	1.61	0.94	0.81	40.9	23.9	20.6

*Same as Model 210 but with brass valve.

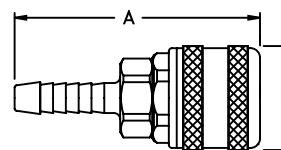


Figure 1

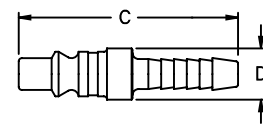


Figure 2

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions		A	B
					A	B		
					(in)	(in)	(mm)	(mm)
210022	Socket/Female	1/4	1/4	1	2.39	1.02	60.7	25.9
210215	Socket/Female	1/4	3/8	1	2.39	1.02	60.7	25.9
Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions		C	D
					C	D		
					(in)	(in)	(mm)	(mm)
3946	Plug/Male	1/4	1/4	2	2.14	0.47	54.4	11.9
3947	Plug/Male	1/4	5/16	2	2.14	0.47	54.4	11.9
22238E	Plug/Male	1/4	3/8	2	2.14	0.5	54.4	12.7

310 Series

Pneumatic application

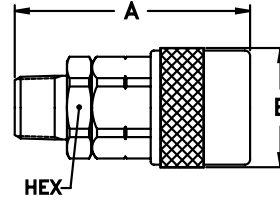


Figure 1

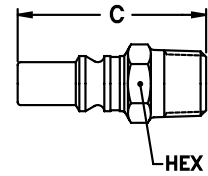


Figure 2

Male 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)
310313	Socket/Female	3/8	3/8	3/8-18	NPTF	1	2.37	1.21	0.94	60.2	30.7	23.9
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions			C	D	Hex
							C	D	Hex			
							(in)	(in)	(in)	(mm)	(mm)	(mm)
22239E	Plug/Male	3/8	1/4	1/4-18	NPTF	2	1.91	0.72	0.63	48.5	18.3	16.0
3804	Plug/Male	3/8	3/8	3/8-18	NPTF	2	1.91	0.79	0.69	48.5	20.1	17.5

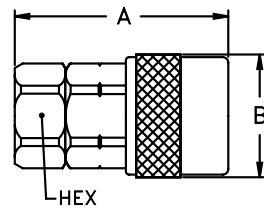


Figure 1

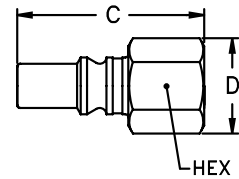


Figure 2

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)
310	Socket/Female	3/8	3/8	3/8-18	NPTF	1	2.1	1.21	0.94	53.3	30.7	23.9
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions			C	D	Hex
							C	D	Hex			
							(in)	(in)	(in)	(mm)	(mm)	(mm)
3806	Plug/Male	3/8	3/8	3/8-18	NPTF	2	1.84	0.94	0.81	46.7	23.9	20.6

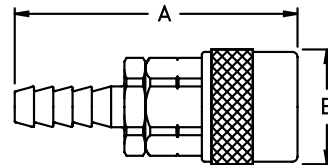


Figure 1

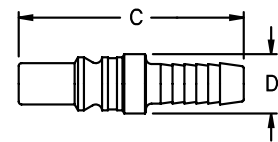


Figure 2

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions		A	B
					A	B		
					(in)	(in)	(mm)	(mm)
310222	Socket/Female	3/8	3/8	1	2.97	1.21	75.4	30.7
Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions		C	D
					C	D		
					(in)	(in)	(mm)	(mm)
3807	Plug/Male	3/8	3/8	2	2.37	0.59	60.2	15.0