

# 1000/400/500 Series

FLUID TRANSFER  
AND HYDRAULIC



Eaton's 1000/400/500 Series is an Industrial Interchange pneumatic coupling that is rugged and reliable designed for use with compressed air, gases, and liquids.

## Product Features

- Ball latching mechanism
- Optional sleeve lock prevents accidental disconnection
- All sizes accept US Industrial Interchange
- 1/4" & 1/2" accept ISO 6150 B and A-A-59439 plugs/males
- 400 series accepts Tru-Flate Interchange
- Standard body material: Brass with nickel plated steel sleeve
- Standard seal material: Buna-N
- Optional seal 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)	(gpm)
1000	1/4	138	2,000	552	8,000	679	179
400	3/8	69	1,000	276	4,000	1,274	336
500	1/2	35	500	140	2,000	2,038	538

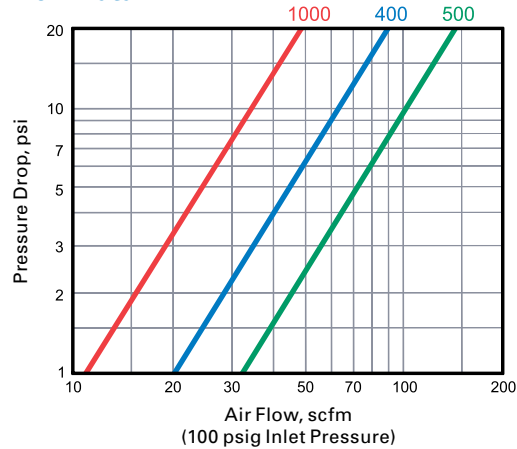
## Applications & Markets

- General Pneumatics
- Construction
- Industrial Plants

## Interchangeability

All Sizes	1/4" & 1/2"	400 Series
US Industrial Interchange	ISO 6150 Series B	Tru-Flate
	A-A-59439 (former MIL-C-4109)	

## Flow Data



PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

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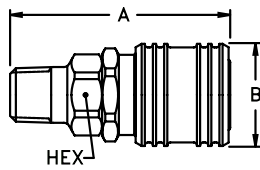


Figure 1

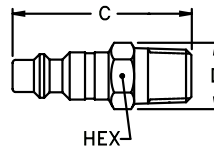


Figure 2

### Male NPTF Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			A	B	Hex
								A	B	Hex			
								(in)	(in)	(in)	(mm)	(mm)	(mm)
900	Socket/Female	1/4	1/8	1/8-27	NPTF	Brass	1	1.97	1.00	0.69	50.04	25.40	17.53
1100	Socket/Female	1/4	1/4	1/4-18	NPTF	Brass	1	2.16	1.00	0.69	54.86	25.40	17.53
1300	Socket/Female	1/4	3/8	3/8-18	NPTF	Brass	1	2.12	1.00	0.69	53.85	25.40	17.53
LL1100	Socket/Female	1/4	1/4	1/4-18	NPTF	Stainless	1	2.16	1.00	0.69	54.86	25.40	17.53

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			C	D	Hex
								C	D	Hex			
								(in)	(in)	(in)	(mm)	(mm)	(mm)
10	Plug/Male	1/4	1/4	1/4-18	NPTF	Steel	2	1.75	0.62	0.56	44.45	15.75	14.22
10C§	Plug/Male	1/4	1/4	1/4-18	NPTF	Steel	2	1.75	0.65	0.56	44.45	16.51	14.22
10G†	Plug/Male	1/4	1/4	1/4-18	NPTF	Steel	2	1.75	0.65	0.56	44.45	16.51	14.22
12E	Plug/Male	1/4	1/8	1/8-27	NPTF	Steel	2	1.59	0.58	0.50	40.38	14.73	12.7
12G†	Plug/Male	1/4	1/8	1/8-27	NPTF	Steel	2	2.38	0.77	0.69	60.45	19.55	17.52
14	Plug/Male	1/4	3/8	3/8-18	NPTF	Steel	2	1.75	0.79	0.69	44.45	20.06	17.52
14G†	Plug/Male	1/4	3/8	3/8-18	NPTF	Steel	2	2.53	0.77	0.69	64.26	19.55	17.52
B10	Plug/Male	1/4	1/4	1/4-18	NPTF	Brass	2	1.75	0.62	0.56	44.45	16.25	14.22
LL10	Plug/Male	1/4	1/4	1/4-18	NPTF	Stainless	2	1.75	0.62	0.56	44.45	16.51	14.22
10NK*	Plug/Male	1/4	1/4	1/4-18	NPTF	Steel	2	1.75	0.62	0.56	44.45	15.75	14.22

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

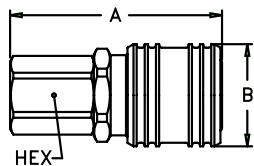


Figure 3

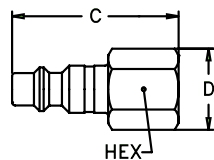


Figure 4

### Female NPTF Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			A	B	Hex
								A	B	Hex			
								(in)	(in)	(in)	(mm)	(mm)	(mm)
800E	Socket/Female	1/4	1/8	1/8-27	NPTF	Brass	3	1.86	1.00	0.69	47.24	25.40	17.53
1000E	Socket/Female	1/4	1/4	1/4-18	NPTF	Brass	3	2.08	1.00	0.69	52.83	25.40	17.53
1200	Socket/Female	1/4	3/8	3/8-18	NPTF	Brass	3	2.16	1.00	0.75	54.86	25.40	19.05
LL1000	Socket/Female	1/4	1/4	1/4-18	NPTF	Stainless	3	2.08	1.00	0.69	52.83	25.40	17.53

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			C	D	Hex
								C	D	Hex			
								(in)	(in)	(in)	(mm)	(mm)	(mm)
11	Plug/Male	1/4	1/4	1/4-18	NPTF	Steel	4	1.63	0.79	0.69	41.40	20.07	17.53
11G†	Plug/Male	1/4	1/4	1/4-18	NPTF	Steel	4	2.44	0.77	0.69	61.98	19.56	17.53
13	Plug/Male	1/4	1/8	1/8-27	NPTF	Steel	4	1.47	0.65	0.56	37.34	16.51	14.22
15E	Plug/Male	1/4	3/8	3/8-18	NPTF	Steel	4	1.69	0.94	0.81	42.93	23.88	20.57
11B	Plug/Male	1/4	1/4	1/4-18	NPTF	Brass	4	1.63	0.78	0.69	41.40	19.81	17.53
LL11	Plug/Male	1/4	1/4	1/4-18	NPTF	Stainless	4	1.63	0.79	0.69	41.40	20.07	17.53
11NK*	Plug/Male	1/4	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

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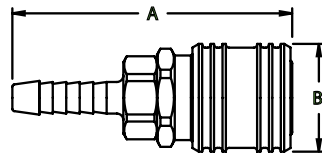


Figure 5

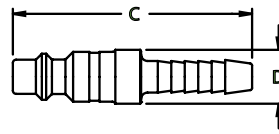


Figure 6

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions		A	B
						A	B		
						(in)	(in)	(mm)	(mm)
1600E	Socket/Female	1/4	1/4	Brass	5	2.60	1.00	66.04	25.40
1600P‡	Socket/Female	1/4	1/4	Brass	5, 5A	2.37	1.00	60.20	25.40
1700E	Socket/Female	1/4	3/8	Brass	5	2.60	1.00	66.04	25.40
1700P‡	Socket/Female	1/4	3/8	Brass	5, 5A	2.44	1.00	61.98	25.40
1800	Socket/Female	1/4	5/16	Brass	5	2.60	1.00	66.04	25.40
Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions		C	D
						C	D		
						(in)	(in)	(mm)	(mm)
16	Plug/Male	1/4	1/4	Steel	6	2.22	0.50	56.39	12.70
16G†	Plug/Male	1/4	1/4	Steel	6	2.97	0.77	75.44	19.56
16P‡	Plug/Male	1/4	1/4	Steel	6, 6A	2.00	0.58	50.80	14.73
17	Plug/Male	1/4	3/8	Steel	6	2.22	0.5	56.39	12.70
17G‡	Plug/Male	1/4	3/8	Steel	6	2.96	0.77	75.18	19.56
17P‡	Plug/Male	1/4	3/8	Steel	6, 6A	2.06	0.5	52.32	12.70
18E	Plug/Male	1/4	5/16	Steel	6	2.22	0.50	56.39	12.70
B17	Plug/Male	1/4	3/8	Brass	6	2.22	0.5	56.39	12.70
16NK*	Plug/Male	1/4	1/4	Steel	6	2.22	0.50	56.39	12.70
17NK*	Plug/Male	1/4	3/8	Steel	6	2.22	0.5	56.39	12.70

†With Bleeder Ball Check—Reduces Hose Whip ‡For use with push-on style hose \*Nickel plated

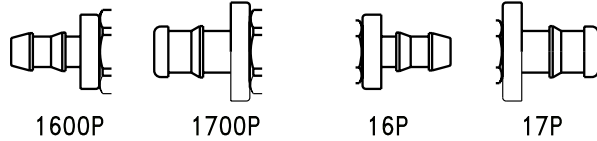


Figure 5A

Figure 6A

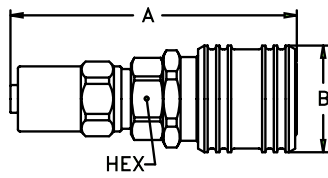


Figure 7

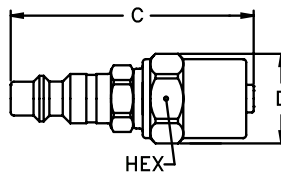


Figure 8

**Hose Clamp End Connections**

Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Material	Fig.	Dimensions			Hex	A	B	Hex
							A	B	Hex				
							(in)	(in)	(in)	(mm)	(mm)	(mm)	
1SB1	Socket/Female	1/4	1/4	15/32	Brass	7	2.69	1.00	0.69	68.33	25.40	17.53	
1SB3	Socket/Female	1/4	1/4	1/2	Brass	7	2.69	1.00	0.69	68.33	25.40	17.53	
1SB5E	Socket/Female	1/4	1/4	9/16	Brass	7	2.69	1.00	0.69	68.33	25.40	17.53	
1SB7	Socket/Female	1/4	1/4	5/8	Brass	7	2.69	1.00	0.69	68.33	25.40	17.53	
1SC5	Socket/Female	1/4	5/16	9/16	Brass	7	2.75	1.00	0.69	69.85	25.40	17.53	
1SC7	Socket/Female	1/4	5/16	5/8	Brass	7	2.75	1.00	0.69	69.85	25.40	17.53	
1SC9	Socket/Female	1/4	5/16	11/16	Brass	7	2.75	1.00	0.69	69.85	25.40	17.53	
1SD5	Socket/Female	1/4	3/8	9/16	Brass	7	2.81	1.00	0.69	71.37	25.40	17.53	
1SD7	Socket/Female	1/4	3/8	5/8	Brass	7	2.81	1.00	0.69	71.37	25.40	17.53	
1SD9	Socket/Female	1/4	3/8	11/16	Brass	7	2.81	1.00	0.69	71.37	25.40	17.53	
1SD11	Socket/Female	1/4	3/8	3/4	Brass	7	2.81	1.00	0.69	71.37	25.40	17.53	
Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Material	Fig.	Dimensions			Hex	C	D	Hex
							C	D	Hex				
							(in)	(in)	(in)	(mm)	(mm)	(mm)	
3PB1	Plug/Male	1/4	1/4	15/32	Steel	8	2.31	0.70	0.63	58.67	17.78	16.00	
3PB3	Plug/Male	1/4	1/4	1/2	Steel	8	2.31	0.70	0.63	58.67	17.78	16.00	
3PB5	Plug/Male	1/4	1/4	9/16	Steel	8	2.31	0.77	0.69	58.67	19.56	17.53	
3PB7	Plug/Male	1/4	1/4	5/8	Steel	8	2.31	0.84	0.75	58.67	21.34	19.05	
3PB9	Plug/Male	1/4	1/4	11/16	Steel	8	2.31	0.94	0.81	58.67	23.88	20.57	
3PB11	Plug/Male	1/4	1/4	3/4	Steel	8	2.31	0.98	0.88	58.67	24.89	22.35	
3PC5	Plug/Male	1/4	5/16	9/16	Steel	8	2.38	0.77	0.69	60.45	19.56	17.53	
3PC7	Plug/Male	1/4	5/16	5/8	Steel	8	2.38	0.84	0.75	60.45	21.34	19.05	
3PC9	Plug/Male	1/4	5/16	11/16	Steel	8	2.38	0.91	0.81	60.45	23.11	20.57	
3PD5	Plug/Male	1/4	3/8	9/16	Steel	8	2.44	0.77	0.69	61.98	19.56	17.53	
3PD7	Plug/Male	1/4	3/8	5/8	Steel	8	2.44	0.84	0.75	61.98	21.34	19.05	
3PD9	Plug/Male	1/4	3/8	11/16	Steel	8	2.44	0.91	0.81	61.98	23.11	20.57	
3PD11	Plug/Male	1/4	3/8	3/4	Steel	8	2.44	1.01	0.88	61.98	25.65	22.35	

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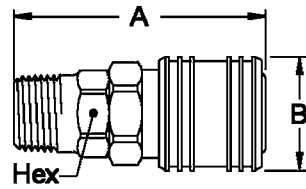


Figure 1

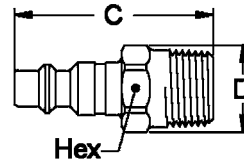


Figure 2

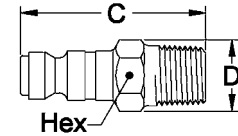


Figure 2A

## Male NPTF Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			Hex A	Hex B	Hex
								A	B	Hex			
								(in)	(in)	(in)	(mm)	(mm)	(mm)
410	Socket/Female	3/8	1/4	1/4-18	NPTF	Brass	1	2.35	1.13	0.88	59.69	28.70	22.35
430	Socket/Female	3/8	3/8	3/8-18	NPTF	Brass	1	2.35	1.13	0.88	59.69	28.70	22.35
450	Socket/Female	3/8	1/2	1/2-14	NPTF	Brass	1	2.54	1.13	0.88	64.52	28.70	22.35
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			Hex C	Hex D	Hex
								C	D	Hex			
								(in)	(in)	(in)	(mm)	(mm)	(mm)
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
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
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
31AP25M	Plug/Male	3/8	1/4	1/4-18	NPTF	Steel	2A	1.85	0.72	0.63	46.99	18.29	16.00
31AP37M	Plug/Male	3/8	3/8	3/8-18	NPTF	Steel	2A	1.85	0.79	0.69	46.99	20.07	17.53

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

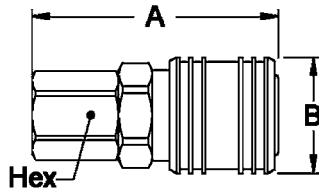


Figure 3

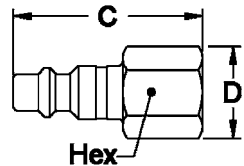


Figure 4

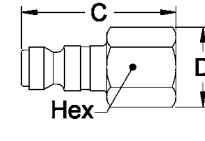


Figure 4A

## Female NPTF Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			Hex A	Hex B	Hex
								A	B	Hex			
								(in)	(in)	(in)	(mm)	(mm)	(mm)
400	Socket/Female	3/8	1/4	1/4-18	NPTF	Brass	3	2.10	1.13	0.88	53.34	28.70	22.35
420	Socket/Female	3/8	3/8	3/8-18	NPTF	Brass	3	2.35	1.13	0.88	59.69	28.70	22.35
440	Socket/Female	3/8	1/2	1/2-14	NPTF	Brass	3	2.62	1.13	1.00	66.55	28.70	25.40
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			Hex C	Hex D	Hex
								C	D	Hex			
								(in)	(in)	(in)	(mm)	(mm)	(mm)
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
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
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	1.00	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
31AP25F	Plug/Male	3/8	1/4	1/4-18	NPTF	Steel	4A	1.60	0.79	0.69	40.64	20.07	17.53
31AP37F	Plug/Male	3/8	3/8	3/8-18	NPTF	Steel	4A	1.78	0.94	0.81	45.21	23.88	20.57

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

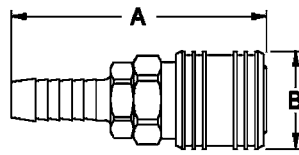


Figure 5

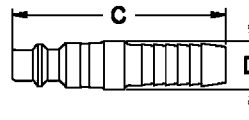


Figure 6

## Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions			
						A	B	A	B
						(in)	(in)	(mm)	(mm)
4004E	Socket/Female	3/8	1/4	Brass	5	2.82	1.13	71.63	28.70
4050E	Socket/Female	3/8	5/16	Brass	5	2.82	1.13	71.63	28.70
4006E	Socket/Female	3/8	3/8	Brass	5	2.82	1.13	71.63	28.70
4008E	Socket/Female	3/8	1/2	Brass	5	2.82	1.13	71.63	28.70

Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions			
						C	D	C	D
						(in)	(in)	(mm)	(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

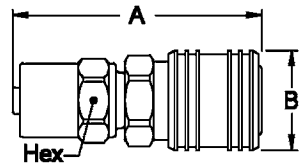


Figure 7

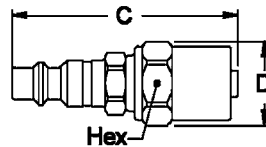


Figure 8

## Hose Clamp End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Material	Fig.	Dimensions			Hex	A	B	Hex
							A	B	Hex				
							(in)	(in)	(in)	(mm)	(mm)	(mm)	
40SD7	Socket/Female	3/8	3/8	5/8	Brass	7	3.04	1.13	0.75	77.22	28.70	19.05	
40SD9	Socket/Female	3/8	3/8	11/16	Brass	7	3.04	1.13	0.81	77.22	28.70	20.57	
40SD11	Socket/Female	3/8	3/8	3/4	Brass	7	3.04	1.13	0.88	77.22	28.70	22.35	
40SP13	Socket/Female	3/8	1/2	13/16	Brass	7	3.67	1.13	0.94	93.22	28.70	23.88	
40SP15	Socket/Female	3/8	1/2	7/8	Brass	7	3.67	1.13	1.00	93.22	28.70	25.40	
40SP17	Socket/Female	3/8	1/2	5/16	Brass	7	3.67	1.13	1.00	93.22	28.70	25.40	
40SP19	Socket/Female	3/8	1/2	1	Brass	7	3.67	1.13	1.13	93.22	28.70	28.70	

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)
4PB3	Plug/Male	3/8	1/4	1/2	Steel	8	2.44	0.70	0.63	61.98	17.78	16.00
4PB5	Plug/Male	3/8	1/4	9/16	Steel	8	2.44	0.77	0.69	61.98	19.56	17.53
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	28.58

## Dust Plugs

Series	Dust Plug Number
1000	PSDC1HK
400	PSDC2HK



Vinyl Dust Plug

FLUID TRANSFER  
AND HYDRAULIC

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

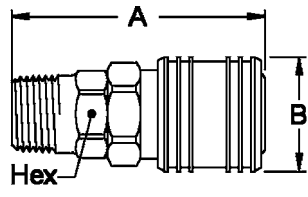


Figure 1

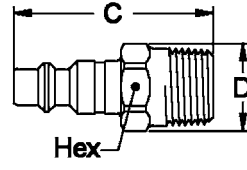


Figure 2

## Male End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			A	B	Hex
								A	B	Hex			
								(in)	(in)	(in)	(mm)	(mm)	(mm)
501	Socket/Female	1/2	1/4	1/4-18	NPTF	Brass	1	2.77	1.19	1.00	70.36	30.23	25.40
510	Socket/Female	1/2	3/8	3/8-18	NPTF	Brass	1	2.78	1.19	1.00	70.61	30.23	25.40
530E	Socket/Female	1/2	1/2	1/2-14	NPTF	Brass	1	2.97	1.19	1.00	75.44	30.23	25.40
550	Socket/Female	1/2	3/4	3/4-14	NPTF	Brass	1	2.97	1.19	1.06	75.44	30.23	26.92
530143	Socket/Female	1/2	1/2	1/2-14	NPTF	Brass	1	2.97	1.19	1.00	75.44	30.23	25.40
550NV	Socket/Female	1/2	3/4	3/4-14	NPTF	Brass	1	2.97	1.19	1.06	75.44	30.23	26.92
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			C	D	Hex
								C	D	Hex			
								(in)	(in)	(in)	(mm)	(mm)	(mm)
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

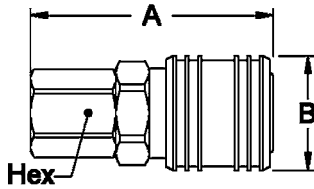


Figure 3

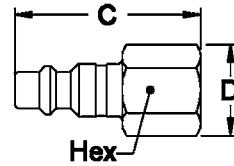


Figure 4

## Female End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			A	B	Hex
								A	B	Hex			
								(in)	(in)	(in)	(mm)	(mm)	(mm)
500A	Socket/Female	1/2	1/4	1/4-18	NPTF	Brass	3	2.72	1.19	1.00	69.1	30.2	25.4
500	Socket/Female	1/2	3/8	3/8-18	NPTF	Brass	3	2.78	1.19	1.00	70.6	30.2	25.4
520	Socket/Female	1/2	1/2	1/2-14	NPTF	Brass	3	3.06	1.19	1.00	77.7	30.2	25.4
540	Socket/Female	1/2	3/4	3/4-14	NPTF	Brass	3	3.09	1.19	1.19	78.5	30.2	30.2
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			C	D	Hex
								C	D	Hex			
								(in)	(in)	(in)	(mm)	(mm)	(mm)
53A	Plug/Male	1/2	1/4	1/4-18	NPTF	Steel	4	1.92	0.79	0.69	48.8	20.1	17.5
53	Plug/Male	1/2	3/8	3/8-18	NPTF	Steel	4	2.06	0.94	0.81	52.3	23.9	20.6
53G†	Plug/Male	1/2	3/8	3/8-18	NPTF	Steel	4	2.90	0.98	0.88	73.7	24.9	22.4
55	Plug/Male	1/2	1/2	1/2-14	NPTF	Steel	4	2.34	1.15	1.00	59.4	29.2	25.4
55G†	Plug/Male	1/2	1/2	1/2-14	NPTF	Steel	4	3.17	1.15	1.00	80.5	29.2	25.4
57	Plug/Male	1/2	3/4	3/4-14	NPTF	Steel	4	2.44	1.37	1.19	62.0	34.8	30.2

†With Bleeder Ball Check—Reduces Hose Whip

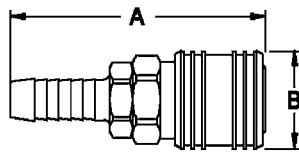


Figure 5

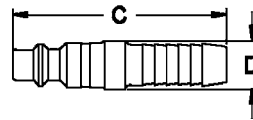


Figure 6

## Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions			
						A (in)	B (in)	A (mm)	B (mm)
570	Socket/Female	1/2	3/8	Brass	5	3.32	1.19	84.3	30.2
580	Socket/Female	1/2	1/2	Brass	5	3.24	1.19	82.3	30.2
590	Socket/Female	1/2	3/4	Brass	5	4.09	1.19	103.9	30.2

Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions			
						C (in)	D (in)	C (mm)	D (mm)
585	Plug/Male	1/2	5/16	Steel	6	2.66	0.69	67.6	17.5
585G†	Plug/Male	1/2	5/16	Brass	6	3.37	0.98	85.6	24.9
59	Plug/Male	1/2	3/8	Steel	6	2.66	0.69	67.6	17.5
59G†	Plug/Male	1/2	3/8	Brass	6	3.37	0.98	85.6	24.9
60	Plug/Male	1/2	1/2	Steel	6	2.66	0.75	67.6	19.1
60G†	Plug/Male	1/2	1/2	Brass	6	3.37	0.98	85.6	24.9
61E	Plug/Male	1/2	3/4	Steel	6	3.50	1.00	88.9	25.4
61G†	Plug/Male	1/2	3/4	Brass	6	4.22	1.00	107.2	25.4

†With Bleeder Ball Check—Reduces Hose Whip

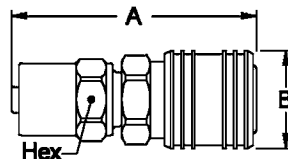


Figure 7

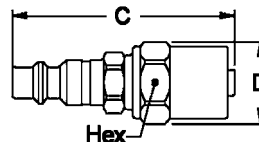


Figure 8

## Hose Clamp End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Material	Fig.	Dimensions					
							A (in)	B (in)	Hex (in)	A (mm)	B (mm)	Hex (mm)
50SP13	Socket/Female	1/2	1/2	13/16	Brass	7	4.09	1.19	0.94	103.9	30.2	23.9
50SP15	Socket/Female	1/2	1/2	7/8	Brass	7	4.09	1.19	1.00	103.9	30.2	25.4
5019E	Socket/Female	1/2	1/2	1	Brass	7	4.09	1.26	1.13	103.9	32.0	28.7
50SR23	Socket/Female	1/2	3/4	1 1/8	Brass	7	4.22	1.19	1.25	107.2	30.2	31.8
50SR25	Socket/Female	1/2	3/4	1 3/16	Brass	7	4.22	1.19	1.31	107.2	30.2	33.3
50SR27	Socket/Female	1/2	3/4	1 1/4	Brass	7	4.22	1.19	1.38	107.2	30.2	35.1

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)
5PB3	Plug/Male	1/2	1/4	1/2	Steel	8	2.81	0.70	0.63	71.4	17.8	16.0
5PB5	Plug/Male	1/2	1/4	9/16	Steel	8	2.81	0.77	0.69	71.4	19.6	17.5
5PB7	Plug/Male	1/2	1/4	5/8	Steel	8	2.81	0.84	0.75	71.4	21.3	19.1
5PD5	Plug/Male	1/2	3/8	9/16	Steel	8	2.94	0.77	0.69	74.7	19.6	17.5
5PD7	Plug/Male	1/2	3/8	5/8	Steel	8	2.94	0.84	0.75	74.7	21.3	19.1
5PD9	Plug/Male	1/2	3/8	11/16	Steel	8	2.94	0.91	0.81	74.7	23.1	20.6
5PD11	Plug/Male	1/2	3/8	3/4	Steel	8	2.94	0.98	0.88	74.7	24.9	22.4
5PD13	Plug/Male	1/2	3/8	13/16	Steel	8	2.94	1.05	0.94	74.7	26.7	23.9
5PP13	Plug/Male	1/2	1/2	13/16	Steel	8	3.62	1.05	0.94	91.9	26.7	23.9
5PP15	Plug/Male	1/2	1/2	7/8	Steel	8	3.62	1.12	1.00	91.9	28.4	25.4
5PR23	Plug/Male	1/2	3/4	1 1/8	Steel	8	3.75	1.40	1.25	95.3	35.6	31.8
5PR25	Plug/Male	1/2	3/4	1 3/16	Steel	8	3.75	1.47	1.31	95.3	37.3	33.3
5PR27	Plug/Male	1/2	3/4	1 1/4	Steel	8	3.75	1.54	1.38	95.3	39.1	35.1

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