

Pneumatic Couplings Selector Chart

Coupling Series	Page	Coupling Style			Interchange				Body Size					Body Material					Locking Mechanism				Options			
		MANUAL CONNECT	PUSH-TO-CONNECT	SAFETY COUPLING	INDUSTRIAL INTERCHANGE	ARO 210/310	TRU-FLATE	CEJN 320/RECTUS 25	HANSEN UNIQUE DESIGN	1/8 INCH	1/4 INCH	3/8 INCH	1/2 INCH	3/4 INCH	ALUMINUM	BRASS	STEEL (Zinc/chromate Finish)	STAINLESS STEEL	PLASTIC (Acetal)	BALL LOCK	PIN LOCK	RING LOCK	PLASTIC FINGERS	SLEEVE LOCK	SEAL MATERIALS (Various)	DUST CAP (Vinyl)
CC	69		●	●	●	●	●	●			●	●					●	◆						▼		
1000	70	●			●						●					●		●		●				●	●	●
400	74	●			●		●					●				●				●				●	●	●
500	76	●			●								●			●				●				●	●	
3000	78		●		●						●					●					●			●	●	●
4000	82		●		●							●				●					●			●	●	●
5000	84		●		●								●			●					●			●	●	
6000	86		●		●									●		●					●			●	●	
P30	88		●		●						●							●				●				
P40	88		●		●							●						●				●				
Auto-Flo 23	89		●		●	●	●				●					●				●						
Auto-Flo 24	91		●					●			●					●				●						
Safeline	93		●	●	●						●				●		●			●						
180/280	94	●							●	●						●				●					●	
100	96	●							●		●					●				●					●	●
600/700	98	●							●		●					●				●				●		●
2RL	103		●						●		●						●					●		▼	●	●
3RL	106		●						●			●					●				●		▼	●	●	●
Full-Bore	108		●	●	●							●	●				●			●			▼			
210	110		●			●					●						●				●					
310	112		●			●						●					●				●					
MS	113		●		●						●						●				●					

▼ Sleeve lock is standard

◆ Polymer Sleeves

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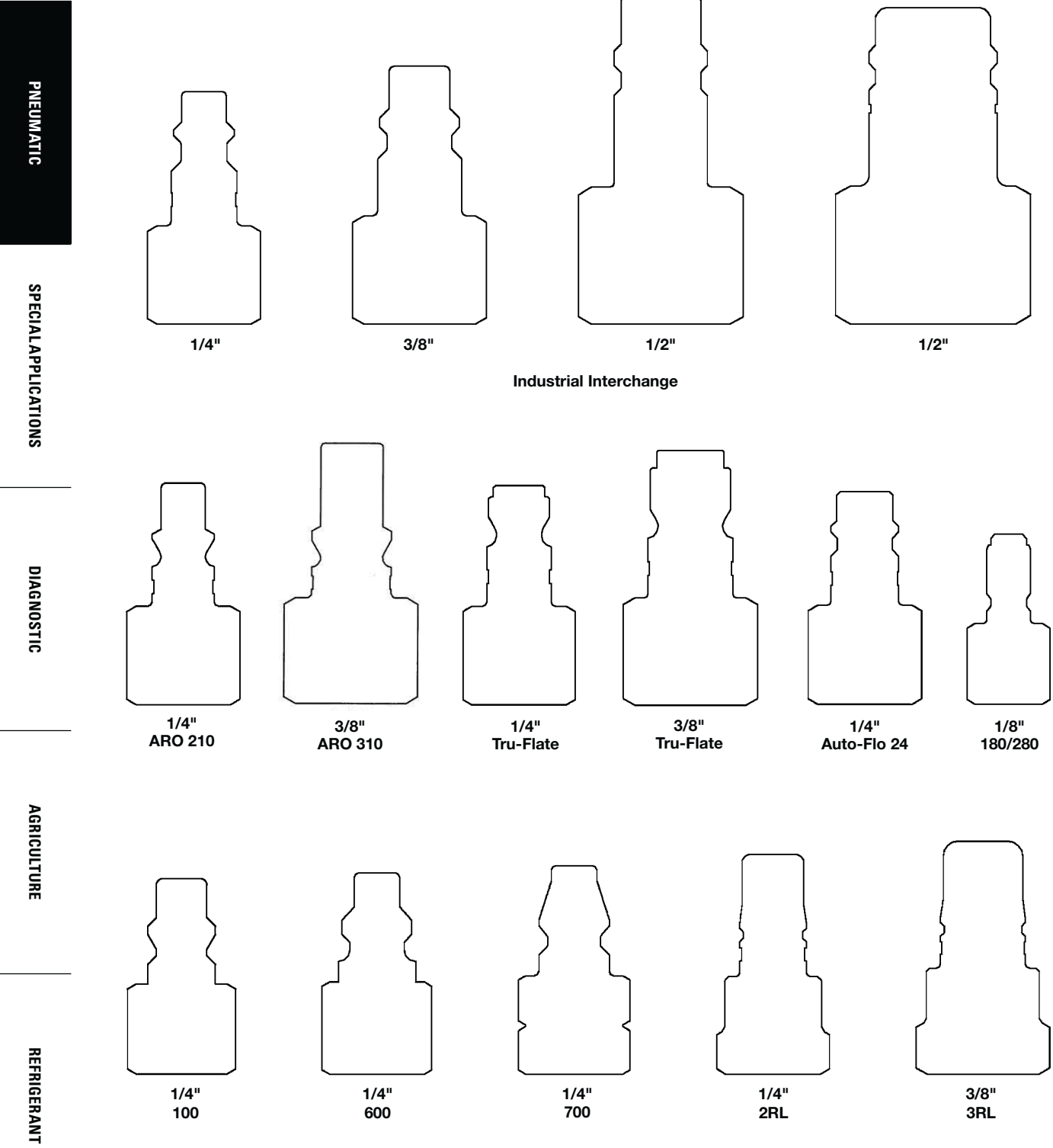
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Pneumatic Couplings One-Way Plug/Male Interchange Chart

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The plug/male profiles shown below are actual size. This chart can be used to help select Eaton one-way couplings. The bottom row of this chart and the 180/280 series are unique Eaton plug designs.



CC Series



Eaton's CC Series provides unrestricted air flow, safety, efficiency, and extreme durability all in one pneumatic coupling.

Product Features

- Two sleeve activation for safety
- Safe choice for employees due to safety venting that prevents hose whip
- External polymer construction prevents scratches on finished surfaces
- Accepts multiple plug/male configurations, making it extremely flexible
- Standard body material: Nickel plated brass internal body with polymer outer sleeves

Physical Characteristics

Series	Body Size	Max. Operating Pressure		Min. Burst Pressure		Rated Flow	
	(in)	(bar)	(psi)	(bar)	(psi)	(lpm)	(gpm)
2CC	1/4	17	250	138	2,000	962	254
3CC	3/8	17	250	138	2,000	1,699	448
24CC	1/4	17	250	138	2,000	1,500	396

Applications & Markets

- General Pneumatics
- Air Tools

Interchangeability

2CC	24CC	3CC
Industrial	CEJN 320	Industrial
ARO 210	RECTUS 25	ARO 310
Tru-Flate		

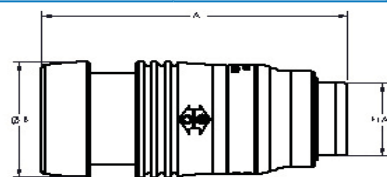
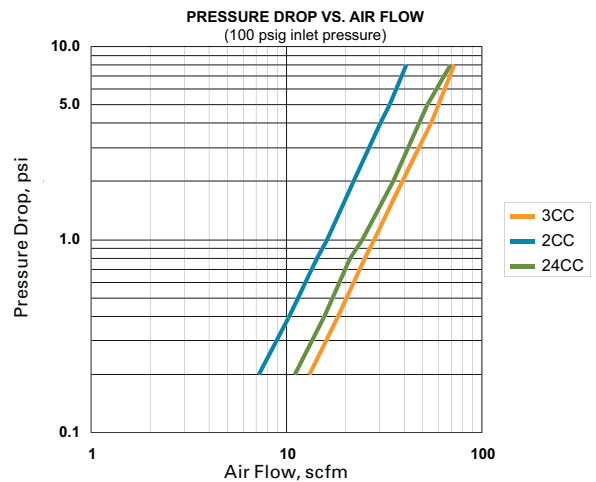


Figure 1

Flow Data



Part Number	Coupling Type	Body Size	Thread	Type	Fig.	Dimensions			A	B	Hex
						A	B	Hex			
						(in)	(in)	(in)	(mm)	(mm)	(mm)
2CC25F	Socket/Female	1/4	1/4	Female NPTF	1	2.64	1.188	0.75	67.06	30.18	19.05
2CC37F	Socket/Female	1/4	3/8	Female NPTF	1	2.84	1.188	0.75	72.14	30.18	19.05
3CC25F	Socket/Female	3/8	1/4	Female NPTF	1	2.68	1.188	0.75	68.07	30.18	19.05
3CC37F	Socket/Female	3/8	3/8	Female NPTF	1	2.88	1.188	0.75	73.15	30.18	19.05
3CC50F	Socket/Female	3/8	1/2	Female NPTF	1	3.36	1.188	0.875	85.34	30.18	22.23
3CC25FBS	Socket/Female	1/4	1/4	Female BSPP	1	2.88	1.188	0.75	73.15	30.18	19.05
3CC37FBS	Socket/Female	3/8	3/8	Female BSPP	1	2.88	1.188	0.75	73.15	30.18	19.05
24CC25F	Socket/Female	1/4	1/4	Female NPTF	1	2.64	1.188	0.75	67.06	30.18	19.05
24CC37F	Socket/Female	1/4	3/8	Female NPTF	1	2.84	1.188	0.75	72.14	30.18	19.05
24CC25FBS	Socket/Female	1/4	1/4	Female BSPP	1	2.84	1.188	0.75	72.14	30.18	19.05

1000/400/500 Series



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

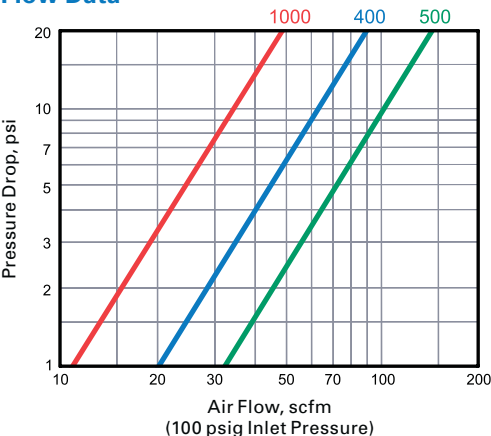
Applications & Markets

- 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



1000 Series

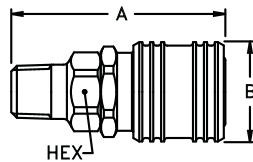


Figure 1

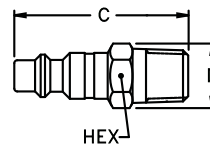


Figure 2

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

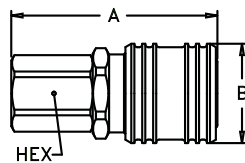


Figure 3

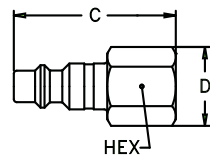


Figure 4

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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SPECIAL APPLICATIONS

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1000 Series

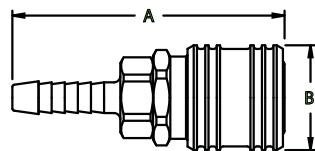


Figure 5

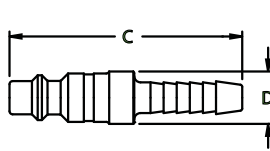
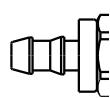


Figure 6

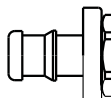
Hose Stem End Connections

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

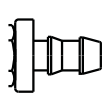


1600P

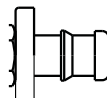


1700P

Figure 5A



16P



17P

Figure 6A

1000 Series

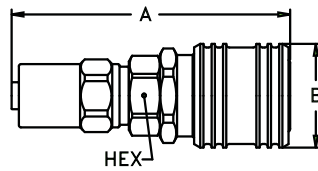


Figure 7

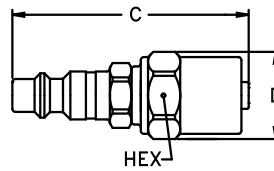


Figure 8

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				
							(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				
							(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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400 Series

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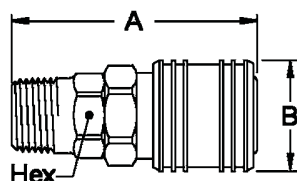


Figure 1

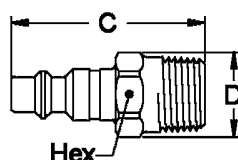


Figure 2

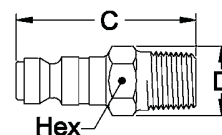


Figure 2A

Male NPTF Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			A	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			C	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

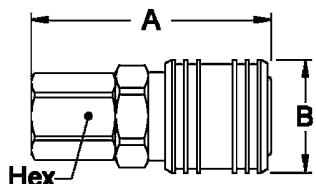


Figure 3

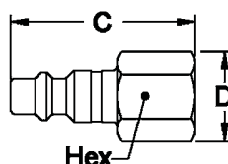


Figure 4

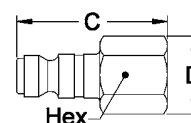


Figure 4A

Female NPTF Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			A	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			C	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

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

400 Series

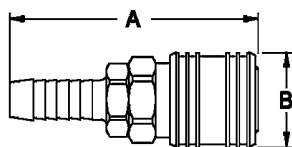


Figure 5

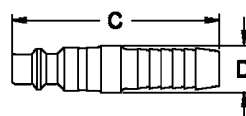


Figure 6

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions A	Dimensions 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	Dimensions 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

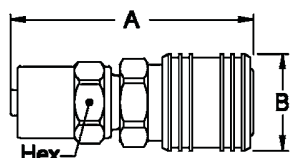


Figure 7

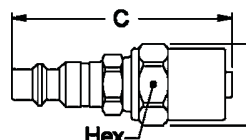


Figure 8

Hose Clamp End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Material	Fig.	Dimensions A	Dimensions 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	Dimensions 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

500 Series

FLUID TRANSFER
AND HYDRAULIC

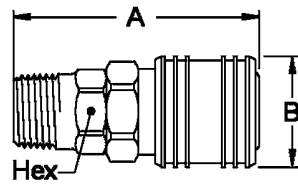


Figure 1

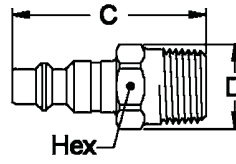


Figure 2

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

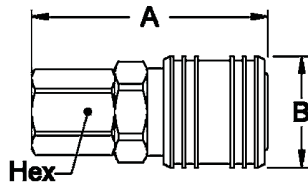


Figure 3

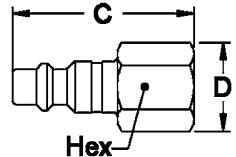


Figure 4

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

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

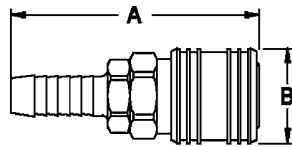


Figure 5

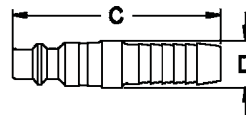


Figure 6

Hose Stem End Connections

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

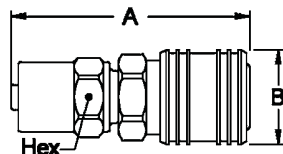


Figure 7

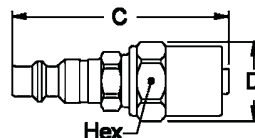


Figure 8

Hose Clamp End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Material	Fig.	Dimensions			A	B	Hex
							A	B	Hex			
							(in)	(in)	(in)	(mm)	(mm)	(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	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	71.4	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

3000/4000/5000/6000 Series



Eaton’s 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

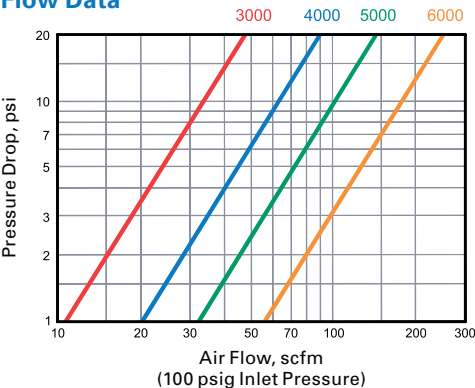
Applications & Markets

- 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



3000 Series

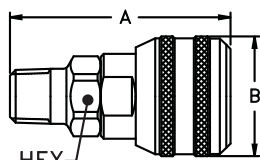


Figure 1

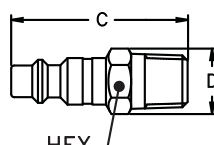


Figure 2

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)
2900	Socket/Female	1/4	1/8	1/8-27	NPTF	Brass	1	2.00	1.19	0.69	50.80	30.23	17.53
3100E	Socket/Female	1/4	1/4	1/4-18	NPTF	Brass	1	2.19	1.19	0.69	55.63	30.23	17.53
3300E	Socket/Female	1/4	3/8	3/8-18	NPTF	Brass	1	2.15	1.19	0.69	54.61	30.23	17.53
300043*	Socket/Female	1/4	7/16	7/16-20	UNF	Brass	1	2.10	1.19	0.69	53.34	30.23	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	15.85	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	40.39	14.73	12.70
12G†	Plug/Male	1/4	1/8	1/8-27	NPTF	Steel	2	2.38	0.77	0.69	60.45	19.56	17.53
14	Plug/Male	1/4	3/8	3/8-18	NPTF	Steel	2	1.75	0.79	0.69	44.45	20.07	17.53
14G†	Plug/Male	1/4	3/8	3/8-18	NPTF	Steel	2	2.53	0.77	0.69	64.26	19.56	17.53
B10	Plug/Male	1/4	1/4	1/4-18	NPTF	Brass	2	1.75	0.62	0.56	44.45	15.75	14.22
LL10	Plug/Male	1/4	1/4	1/4-18	NPTF	Stainless	2	1.75	0.62	0.56	44.45	15.85	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

*45° Male Flare

§ With Ball Check

† With Bleeder Ball Check—Reduces Hose Whip

**Nickel plated

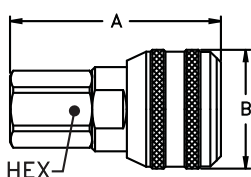


Figure 3

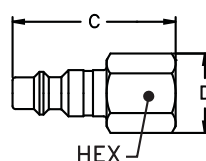


Figure 4

Female End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			A	B	Hex
								A	B	Hex			
								(in)	(in)	(in)	(mm)	(mm)	(mm)
2800	Socket/Female	1/4	1/8	1/8-27	NPTF	Brass	3	1.89	1.19	0.69	48.01	30.23	17.53
3000	Socket/Female	1/4	1/4	1/4-18	NPTF	Brass	3	2.11	1.19	0.69	53.59	30.23	17.53
3200	Socket/Female	1/4	3/8	3/8-18	NPTF	Brass	3	2.19	1.19	0.75	55.63	30.23	19.05
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	0.79	0.69	41.40	20.07	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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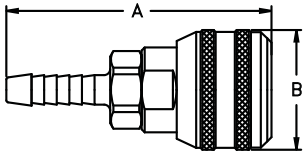


Figure 5

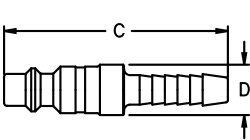
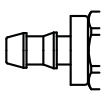


Figure 6

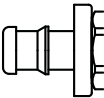
Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions		A	B
						A	B		
						(in)	(in)	(mm)	(mm)
3600	Socket/Female	1/4	1/4	Brass	5	2.63	1.19	66.80	30.23
3600P†	Socket/Female	1/4	1/4	Brass	5, 5A	2.40	1.19	60.96	30.23
3700E	Socket/Female	1/4	3/8	Brass	5	2.63	1.19	66.80	30.23
3700P†	Socket/Female	1/4	3/8	Brass	5, 5A	2.47	1.19	62.74	30.23
3800	Socket/Female	1/4	5/16	Brass	5	2.63	1.19	66.80	30.23
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	0.50	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	0.50	56.39	12.70
16NK*	Plug/Male	1/4	1/4	Steel	6	2.22	0.5	56.39	12.70
17NK*	Plug/Male	1/4	3/8	Steel	6	2.22	0.5	56.39	12.70

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



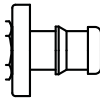
3600P
Figure 5A



3700P



16P
Figure 6A



17P

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3000 Series

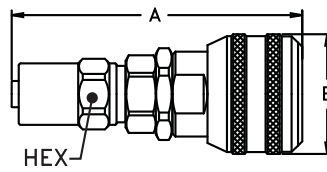


Figure 7

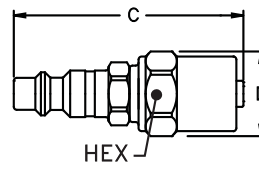


Figure 8

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				
							(in)	(in)	(in)	(mm)	(mm)	(mm)
3SA0	Socket/Female	1/4	3/16	7/16	Brass	7	2.65	1.19	0.56	67.31	30.23	14.22
3SB1	Socket/Female	1/4	1/4	15/32	Brass	7	2.72	1.19	0.63	69.09	30.23	16.00
3SB3	Socket/Female	1/4	1/4	1/2	Brass	7	2.72	1.19	0.63	69.09	30.23	16.00
3SB5	Socket/Female	1/4	1/4	9/16	Brass	7	2.72	1.19	0.69	69.09	30.23	17.53
3SB7	Socket/Female	1/4	1/4	5/8	Brass	7	2.72	1.19	0.75	69.09	30.23	19.05
3SB9	Socket/Female	1/4	1/4	11/16	Brass	7	2.72	1.19	0.81	69.09	30.23	20.57
3SC5	Socket/Female	1/4	5/16	9/16	Brass	7	2.78	1.19	0.69	70.61	30.23	17.53
3SC7	Socket/Female	1/4	5/16	5/8	Brass	7	2.78	1.19	0.75	70.61	30.23	19.05
3SC9	Socket/Female	1/4	5/16	11/16	Brass	7	2.78	1.19	0.81	70.61	30.23	20.57
3SD5	Socket/Female	1/4	3/8	9/16	Brass	7	2.84	1.19	0.69	72.14	30.23	17.53
3SD7	Socket/Female	1/4	3/8	5/8	Brass	7	2.84	1.19	0.75	72.14	30.23	19.05
3SD9	Socket/Female	1/4	3/8	11/16	Brass	7	2.84	1.19	0.81	72.14	30.23	20.57
3SD11	Socket/Female	1/4	3/8	3/4	Brass	7	2.84	1.19	0.88	72.14	30.23	22.35
Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Material	Fig.	Dimensions		Hex	C	D	Hex
							C	D				
							(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	0.91	0.81	58.67	23.11	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	0.98	0.88	61.98	24.89	22.35

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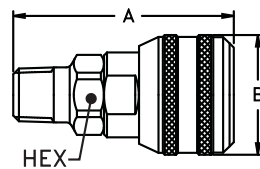


Figure 1

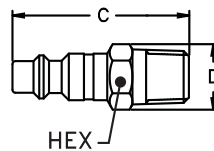


Figure 2

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)
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			C	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
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

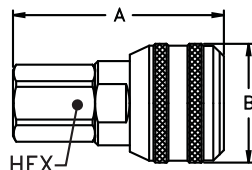


Figure 3

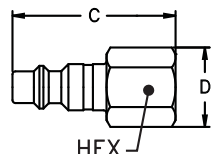


Figure 4

Female End Connections

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

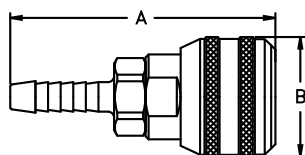


Figure 5

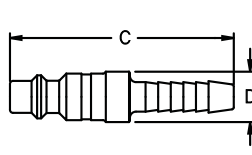


Figure 6

Hose Stem End Connections

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

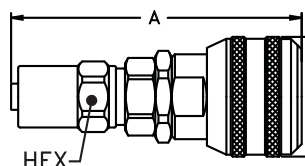


Figure 7

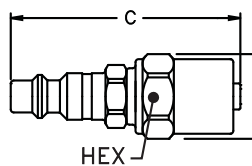


Figure 8

Hose Clamp End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Material	Fig.	Dimensions A	Dimensions B	Hex	A	B	Hex
							(in)	(in)	(in)	(mm)	(mm)	(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	Dimensions 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
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

FLUID TRANSFER
AND HYDRAULIC

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

5000 Series

FLUID TRANSFER
AND HYDRAULIC

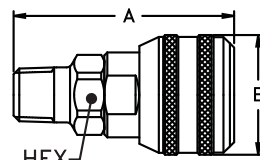


Figure 1

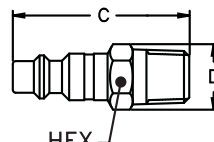


Figure 2

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)
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			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

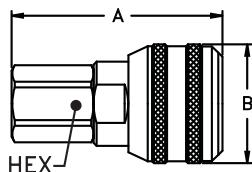


Figure 3

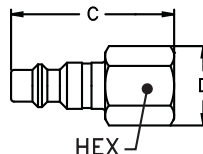


Figure 4

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)
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			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	48.77	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

PNEUMATIC

SPECIAL APPLICATIONS

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AGRICULTURE

REFRIGERANT

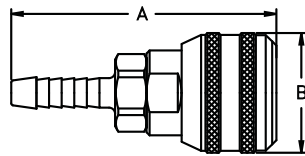


Figure 5

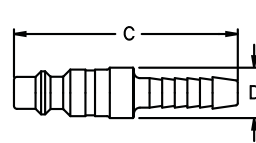


Figure 6

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions A	Dimensions 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	Dimensions 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

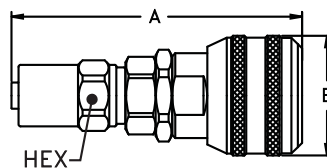


Figure 7

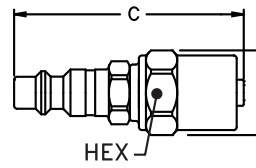


Figure 8

Hose Clamp End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Material	Fig.	Dimensions A	Dimensions 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	Dimensions 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

6000 Series

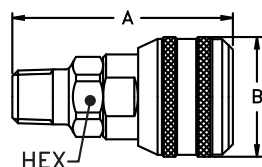


Figure 1

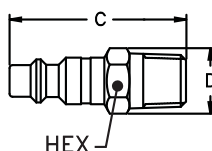


Figure 2

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)
6300	Socket/Female	3/4	1/2	1/2-14	NPTF	Brass	1	2.94	1.90	1.31	74.68	48.26	33.27
6500	Socket/Female	3/4	3/4	3/4-14	NPTF	Brass	1	2.94	1.90	1.31	74.68	48.26	33.27
6700E	Socket/Female	3/4	1	1-11 1/2	NPTF	Brass	1	3.13	1.90	1.31	79.50	48.26	33.27
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)
64A	Plug/Male	3/4	1/2	1/2-14	NPTF	Steel	2	2.31	1.15	1.00	58.67	29.21	25.40
64GA†	Plug/Male	3/4	1/2	1/2-14	NPTF	Steel	2	3.26	1.12	1.00	82.80	28.45	25.40
66AE	Plug/Male	3/4	3/4	3/4-14	NPTF	Steel	2	2.38	1.23	1.06	60.45	31.24	26.92
66GA†	Plug/Male	3/4	3/4	3/4-14	NPTF	Steel	2	3.26	1.19	1.06	82.80	30.23	26.92
68A	Plug/Male	3/4	1	1-11 1/2	NPTF	Steel	2	2.56	1.51	1.31	65.02	38.35	33.27
B64A	Plug/Male	3/4	1/2	1/2-14	NPTF	Brass	2	2.31	1.12	1.00	58.67	28.45	25.40
B66A	Plug/Male	3/4	3/4	3/4-14	NPTF	Brass	2	2.38	1.18	1.06	60.45	30.07	26.92

†With Bleeder Ball Check—Reduces Hose Whip

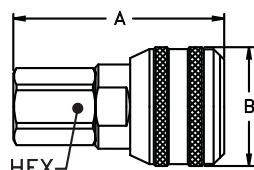


Figure 3

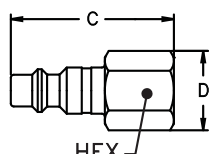


Figure 4

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)
6200E	Socket/Female	3/4	1/2	1/2-14	NPTF	Brass	3	2.85	1.90	1.31	72.39	48.26	33.27
6400E	Socket/Female	3/4	3/4	3/4-14	NPTF	Brass	3	3.00	1.90	1.31	76.20	48.26	33.27
6600E	Socket/Female	3/4	1	1-11 1/2	NPTF	Brass	3	3.19	1.90	1.56	81.03	48.26	39.62
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)
65A	Plug/Male	3/4	1/2	1/2-14	NPTF	Steel	4	2.22	1.15	1.00	56.39	29.21	25.40
65GAS†	Plug/Male	3/4	1/2	1/2-14	NPTF	Steel	4	3.35	1.12	1.00	85.09	28.45	25.40
67A	Plug/Male	3/4	3/4	3/4-14	NPTF	Steel	4	2.22	1.33	1.19	56.39	33.78	30.23
67GAS†	Plug/Male	3/4	3/4	3/4-14	NPTF	Steel	4	3.38	1.33	1.19	85.85	33.78	30.23
69A	Plug/Male	3/4	1	1-11 1/2	NPTF	Steel	4	2.41	1.80	1.56	61.21	45.72	39.62

†With Bleeder Ball Check—Reduces Hose Whip

6000 Series

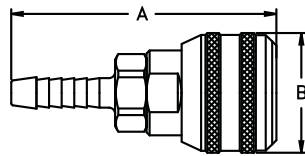


Figure 5

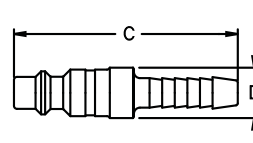


Figure 6

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions		A	B
						A	B		
						(in)	(in)	(mm)	(mm)
6800E	Socket/Female	3/4	1/2	Brass	5	3.21	1.88	81.53	47.75
6900	Socket/Female	3/4	3/4	Brass	5	4.06	1.88	103.12	47.75
7000E	Socket/Female	3/4	1	Brass	5	4.07	1.88	103.38	47.75
Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions		C	D
						C	D		
						(in)	(in)	(mm)	(mm)
70A	Plug/Male	3/4	1/2	Steel	6	2.53	0.94	64.26	23.88
70GA†	Plug/Male	3/4	1/2	Steel	6	3.53	1.12	89.66	28.45
71A	Plug/Male	3/4	3/4	Steel	6	3.44	1.06	87.38	26.92
71GA†	Plug/Male	3/4	3/4	Steel	6	4.38	1.12	111.25	28.45
72A	Plug/Male	3/4	1	Steel	6	3.44	1.31	87.38	33.27
B71A	Plug/Male	3/4	3/4	Steel	6	3.44	1.06	87.38	26.92

†With Bleeder Ball Check—Reduces Hose Whip

Dust Caps and Dust Plugs

Series	Dust Cap		Dust Plug	
	Metal	Vinyl	Metal	Vinyl
3000	PDC3000*	—	SDC3000*	PSDC1HK
4000	—	—	—	PSDC2HK
5000	—	PPDC2HK	—	—
6000	—	PPDC3HK	—	—

*Brass



FLUID TRANSFER
AND HYDRAULIC

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

P30/P40 Series



Eaton's P30/P40 Series is an Industrial Interchange quick disconnect coupling designed for use with compressed air.

Product Features

- Light weight plastic exterior makes it less likely to damage or scratch surfaces
- Easy, automatic, push-to-connect design provides instantaneous connection and disconnection of lines with automatic shut off feature of socket/female half.
- Series P30 accepts all 3000 series plugs/males
- Series P40 accepts all 4000 series plugs/males

Physical Characteristics

Series	Body Size	Max. Operating Pressure		Min. Burst Pressure		Rated Flow	
	(in)	(bar)	(psi)	(bar)	(psi)	(lpm)	scfm
P30	1/4	10	150	40	600	793	28
P40	3/8	10	150	40	600	1,274	45

Applications & Markets

- General Pneumatics

Interchangeability

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

Flow Data

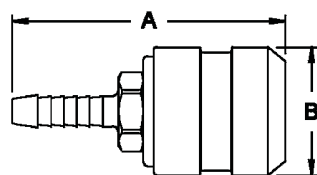
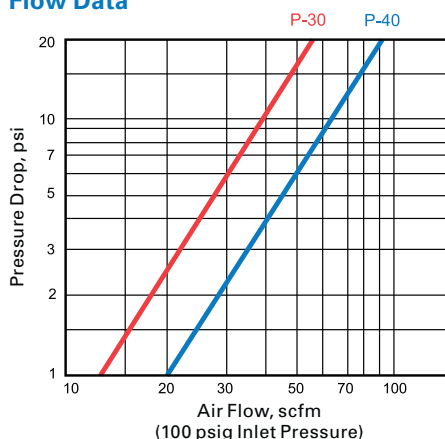


Figure 1

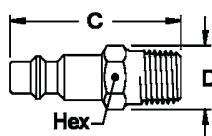


Figure 2

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions			
					A	B	A	B
					(in)	(in)	(mm)	(mm)
P430S25H	Socket/Female	1/4	1/4	1	2.66	1.25	67.60	31.75
P740S37H	Socket/Female	3/8	3/8	1	2.82	1.44	71.60	36.60

Male End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions					
							C	D	Hex	C	D	Hex
							(in)	(in)	(in)	(mm)	(mm)	(mm)
P430P25M	Plug/Male	1/4	1/4	1/4-18	NPTF	2	1.75	0.65	0.56	44.50	16.50	14.20

Auto-Flo 23/24 Series



Eaton's Auto-Flo 23/24 Series of pneumatic couplings were designed with high flow and easy automatic connection for compressed air in mind. The universal design makes the Auto-Flo an extremely flexible coupling series.

Product Features

- Auto-Flo 23 is the first automatic universal quick disconnect coupling designed to operate with Industrial, ARO 210 and Tru-Flate Interchange plugs/males
- Auto-Flo 24 operates with CEJN 320 and Rectus 25 Interchange plugs/males
- Easy, automatic, push-to-connect design provides instantaneous connection and disconnection of lines, plus automatic shut-off of socket/female end of line
- Sleeve guard protects against accidental disconnection
- Standard body material: Brass
- Standard seal material: Buna-N

Physical Characteristics

Series	Max. Operating Pressure		Min. Burst Pressure		Rated Flow	
	(bar)	(psi)	(bar)	(psi)	(lpm)	scfm
Auto-Flo 23	10	150	40	600	792	28
Auto-Flo 24	10	150	40	600	1,274	45

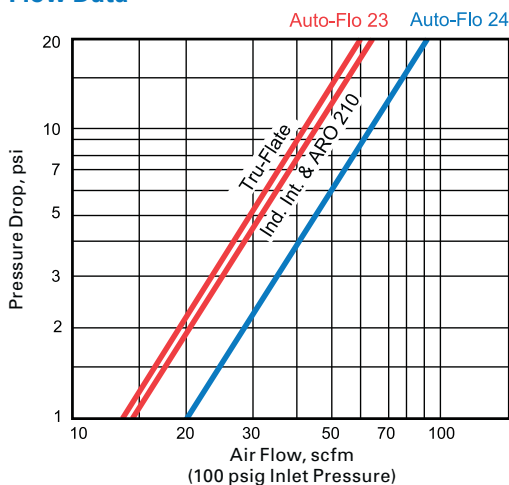
Applications & Markets

- General Pneumatics
- Air Tools
- Construction

Interchangeability

Auto-Flo 23	Auto-Flo 24 (Euro Interchange)
US Industrial Interchange	CEJN 320
ISO 6150 Series B	
A-A-59439 (former MIL-C-4109)	RECTUS 25
Tru-Flate Interchange	
ARO 210 Interchange	

Flow Data



Auto-Flo 23 Series

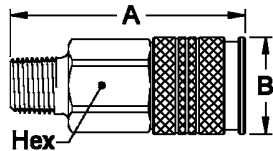


Figure 1

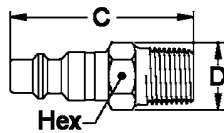


Figure 2

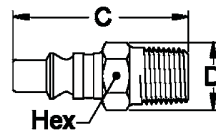


Figure 3 (ARO 210)

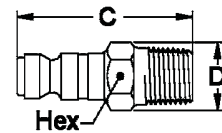


Figure 4 (Tru-Flate)

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)
B23AS25M	Socket/Female	1/4	1/4	1/4-18	NPTF	Brass	1	2.23	0.96	0.81	56.64	24.38	20.57
B23AS25MBST	Socket/Female	1/4	1/4	1/4-19	BSPT	Brass	1	2.23	0.96	0.81	56.64	24.38	20.57
B23AS37M	Socket/Female	1/4	3/8	3/8-18	NPTF	Brass	1	2.23	0.96	0.81	56.64	24.38	20.57
B23AS37MBST	Socket/Female	1/4	3/8	3/8-19	BSPT	Brass	1	2.23	0.96	0.81	56.64	24.38	20.57
B23AS50MBST	Socket/Female	1/4	1/2	1/2-14	BSPT	Brass	1	2.23	0.96	0.88	56.64	24.38	22.35
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	0.5	40.39	14.73	12.70
12G†	Plug/Male	1/4	1/8	1/8-27	NPTF	Steel	2	2.38	0.77	0.69	60.45	19.56	17.53
14	Plug/Male	1/4	3/8	3/8-18	NPTF	Steel	2	1.75	0.79	0.69	44.45	20.07	17.53
14G†	Plug/Male	1/4	3/8	3/8-18	NPTF	Steel	2	2.53	0.77	0.69	64.26	19.56	17.53
B10	Plug/Male	1/4	1/4	1/4-18	NPTF	Brass	2	1.75	0.62	0.56	44.45	15.75	14.22
LL10	Plug/Male	1/4	1/4	1/4-18	NPTF	Stainless	2	1.75	0.62	0.56	44.45	15.75	14.22
2607	Plug/Male	1/4	1/8	1/8-27	NPTF	Steel	3	1.42	0.58	0.5	36.07	14.73	12.70
2608	Plug/Male	1/4	1/4	1/4-18	NPTF	Steel	3	1.68	0.65	0.56	42.67	16.51	14.22
2608B	Plug/Male	1/4	1/4	1/4-19	BSPT	Steel	3	1.68	0.65	0.56	42.67	16.51	14.22
20AP37M	Plug/Male	1/4	3/8	3/8-18	NPTF	Steel	3	1.68	0.79	0.69	42.67	20.07	17.53
21AP25M	Plug/Male	1/4	1/4	1/4-18	NPTF	Steel	4	1.65	0.65	0.56	41.91	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

Auto-Flo 23 Series

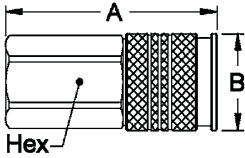


Figure 1

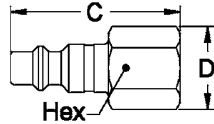


Figure 2

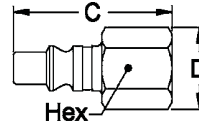


Figure 3 (ARO 210)

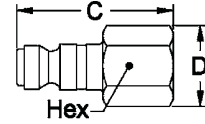


Figure 4 (Tru-Flate)

Female End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			A	B	Hex
								A	B	Hex			
B23AS25F	Socket/Female	1/4	1/4	1/4-18	NPTF	Brass	1	2.02	0.96	0.81	51.31	24.38	20.57
B23AS25FBS	Socket/Female	1/4	1/4	1/4-19	BSPP	Brass	1	2.02	0.96	0.81	51.31	24.38	20.57
B23AS37F	Socket/Female	1/4	3/8	3/8-18	NPTF	Brass	1	2.02	0.96	0.81	51.31	24.38	20.57
B23AS37FBS	Socket/Female	1/4	3/8	3/8-19	BSPP	Brass	1	2.02	0.96	0.81	51.31	24.38	20.57
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			C	D	Hex
								C	D	Hex			
11	Plug/Male	1/4	1/4	1/4-18	NPTF	Steel	2	1.63	0.79	0.69	41.40	20.07	17.53
11G†	Plug/Male	1/4	1/4	1/4-18	NPTF	Steel	2	2.44	0.77	0.69	61.98	19.56	17.53
13	Plug/Male	1/4	1/8	1/8-27	NPTF	Steel	2	1.47	0.65	0.56	37.34	16.51	14.22
15E	Plug/Male	1/4	3/8	3/8-18	NPTF	Steel	2	1.69	0.94	0.81	42.93	23.88	20.57
11B	Plug/Male	1/4	1/4	1/4-18	NPTF	Brass	2	1.63	0.79	0.69	41.40	20.07	17.53
LL11	Plug/Male	1/4	1/4	1/4-18	NPTF	Stainless	2	1.63	0.79	0.69	41.40	20.07	17.53
2609	Plug/Male	1/4	1/4	1/4-18	NPTF	Steel	3	1.55	0.79	0.69	39.37	20.07	17.53
2609B	Plug/Male	1/4	1/4	1/4-19	BSPP	Steel	3	1.52	0.79	0.69	38.61	20.07	17.53
20AP37F	Plug/Male	1/4	3/8	3/8-18	NPTF	Steel	3	1.61	0.94	0.81	40.89	23.88	20.57
21AP25F	Plug/Male	1/4	1/4	1/4-18	NPTF	Steel	4	1.53	0.79	0.69	38.86	20.07	17.53
11NK*	Plug/Male	1/4	1/4	1/4-18	NPTF	Steel	2	1.63	0.79	0.69	41.40	20.07	17.53

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

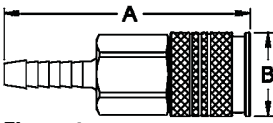


Figure 1

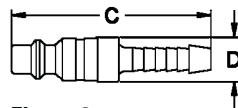


Figure 2

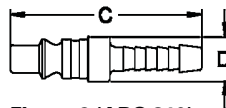


Figure 3 (ARO 210)

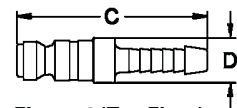


Figure 4 (Tru-Flate)

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions		A	B
						A	B		
B23AS25H	Socket/Female	1/4	1/4	Brass	1	2.76	0.96	70.10	24.38
B23AS31H	Socket/Female	1/4	5/16	Brass	1	2.73	0.96	69.34	24.38
B23AS37H	Socket/Female	1/4	3/8	Brass	1	2.73	0.96	69.34	24.38
B23AS50H	Socket/Female	1/4	1/2	Brass	1	2.7	0.96	68.58	24.38
Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions		C	D
						C	D		
16	Plug/Male	1/4	1/4	Steel	2	2.22	0.5	56.39	12.70
16G†	Plug/Male	1/4	1/4	Steel	2	2.97	0.77	75.44	19.56
16P‡	Plug/Male	1/4	1/4	Steel	2	2.00	0.58	50.80	14.73
17	Plug/Male	1/4	3/8	Steel	2	2.22	0.5	56.39	12.70
17G†	Plug/Male	1/4	3/8	Steel	2	2.96	0.77	75.18	19.56
17P‡	Plug/Male	1/4	3/8	Steel	2	2.06	0.5	52.32	12.70
18E	Plug/Male	1/4	5/16	Steel	2	2.22	0.5	56.39	12.70
B17	Plug/Male	1/4	3/8	Brass	2	2.22	0.5	56.39	12.70
3946	Plug/Male	1/4	1/4	Steel	3	2.14	0.5	54.36	12.70
3947	Plug/Male	1/4	5/16	Steel	3	2.14	0.5	54.36	12.70
22238E	Plug/Male	1/4	3/8	Steel	3	2.14	0.5	54.36	12.70
21AP25H	Plug/Male	1/4	1/4	Steel	4	2.12	0.5	53.85	12.70
16NK*	Plug/Male	1/4	1/4	Steel	2	2.22	0.5	56.39	12.70
17NK*	Plug/Male	1/4	3/8	Steel	2	2.22	0.5	56.39	12.70

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

FLUID TRANSFER
AND HYDRAULIC

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

Auto-Flo 24 Series

FLUID TRANSFER
AND HYDRAULIC

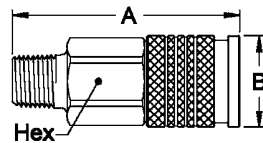


Figure 1

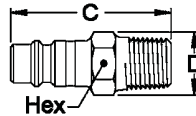


Figure 2

Male End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions			A	B	Hex
								A	B	Hex			
B24AS25M	Socket/Female	1/4	1/4	1/4-18	NPTF	Brass	1	(in)	(in)	(in)	(mm)	(mm)	(mm)
								2.27	0.96	0.81	57.66	24.38	20.57
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)
24AP25MBST	Plug/Male	1/4	1/4	1/4-19	BSPT	Steel	2	1.62	0.65	0.56	41.15	16.51	14.22
24AP50MBST	Plug/Male	1/4	1/2	1/2-14	BSPT	Steel	2	1.88	1.01	0.88	47.75	25.65	22.35

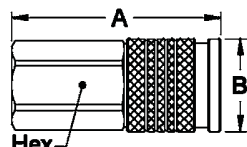


Figure 1

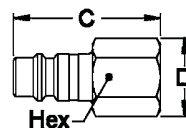


Figure 2

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)
B24AS25F	Socket/Female	1/4	1/4	1/4-18	NPTF	Brass	1	2.06	0.96	0.81	52.32	24.38	20.57
B24AS25FBS	Socket/Female	1/4	1/4	1/4-19	BSPP	Brass	1	2.06	0.96	0.81	52.32	24.38	20.57
B24AS37FBS	Socket/Female	1/4	3/8	3/8-19	BSPP	Brass	1	2.06	0.96	0.81	52.32	24.38	20.57
B24AS50FBS	Socket/Female	1/4	1/2	1/2-14	BSPP	Brass	1	2.38	0.96	1.06	60.45	24.38	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)
24AP25FG	Plug/Male	1/4	1/4	1/4-18	NPTF	Steel	2	1.49	0.79	0.69	37.85	20.07	17.53
24AP25FBS	Plug/Male	1/4	1/4	1/4-19	BSPP	Steel	2	1.46	0.79	0.69	37.08	20.07	17.53

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

Safeline Series



Eaton's Safeline Series is an Industrial Interchange pneumatic coupling with push button safety feature designed for use with compressed air. Two-step disconnect procedure shuts off air supply and releases downstream air pressure before plug can be removed from socket/female, which prevents hose whip.

Product Features

- Safe and easy to connect and disconnect
- Light weight, compact ergonomic design
- Accepts 1/4" ISO 6150 Series B and A-A-59439 plugs/males
- Accepts all US Industrial plugs/males
- Standard body material: Aluminum
- Standard seal material: Buna-N

Physical Characteristics

Series	Max. Operating Pressure		Min. Burst Pressure		Rated Flow	
	(bar)	(psi)	(bar)	(psi)	(lpm)	scfm
GD10500	16	232	64	928	566	20

Applications & Markets

- General Pneumatics
- Air Tools
- Industrial Plants
- Maintenance and Repair

Flow Data

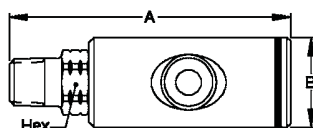
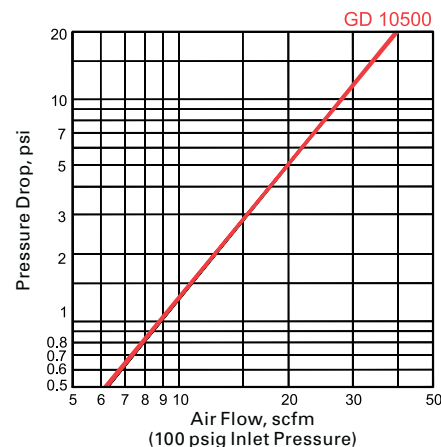


Figure 1

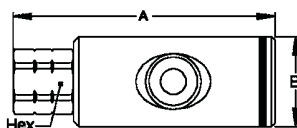


Figure 2

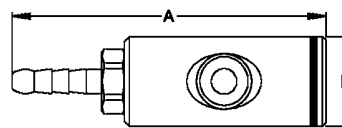


Figure 3

Male End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions			Hex	A	B	Hex
							A	B					
							(in)	(in)	(in)		(mm)	(mm)	(mm)
GD1053641	Socket/Female	1/4	1/4	1/4	NPT	1	3.20	1.02	0.67		81.3	25.9	17.0
GD1053683	Socket/Female	1/4	3/8	3/8	NPT	1	3.18	1.02	0.75		80.8	25.9	19.1

Female End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions			Hex	A	B	Hex
							A	B					
							(in)	(in)	(in)		(mm)	(mm)	(mm)
GD1052641	Socket/Female	1/4	1/4	1/4	NPT	2	2.98	1.02	0.67		75.7	25.9	17.0
GD1052683	Socket/Female	1/4	3/8	3/8	NPT	2	3.18	1.02	0.87		80.8	25.9	22.1

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions			Hex	A	B	Hex
					A	B					
					(in)	(in)	(in)		(mm)	(mm)	(mm)
GD1055601	Socket/Female	1/4	3/8	3	3.58	1.02	0.67		90.9	25.9	17.0

180/280 Series



Eaton's 180/280 series miniature ball lock quick disconnect couplings are designed for use with compressed air, gases and liquids.

Product Features

- Series 180 and 280 sockets/females mate with all Series 180 plugs/males
- Series 180 sockets/females have a tire valve
- Series 280 sockets/females have a 1HK valve, which provides higher flow capacity
- Chrome plating available as well as additional seal options
- Standard body material: Brass
- Standard seal material: Buna-N
- Interchange is proprietary to Eaton

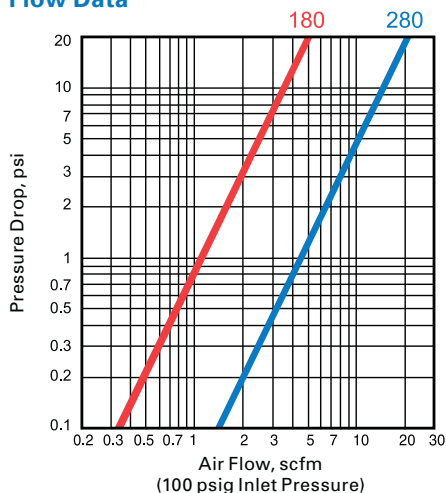
Physical Characteristics

Series	Body Size	Max. Operating Pressure		Min. Burst Pressure		Rated Flow	
	(in)	(bar)	(psi)	(bar)	(psi)	(lpm)	scfm
180	1/8	48	700	192	2,800	71	2.5
280	1/8	207	3,000	828	1,200	283	10

Applications & Markets

- Recreation and Entertainment
- Breathing Air
- General Pneumatics
- Pharmaceutical
- Laboratory Uses
- Medical

Flow Data



180/280 Series

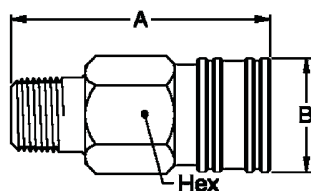


Figure 1

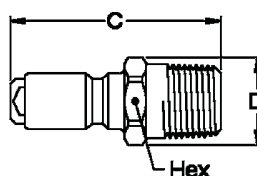


Figure 2

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)
180	Socket/Female	1/8	1/8	1/8-27	NPTF	1	1.42	0.63	0.56	36.1	16.0	14.2
28S25M	Socket/Female	1/8	1/4	1/4-18	NPTF	1	1.39	0.63	0.56	35.3	16.0	14.2
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions			C	D	Hex
							C	D	Hex			
							(in)	(in)	(in)	(mm)	(mm)	(mm)
185E	Plug/Male	1/8	1/8	1/8-27	NPTF	2	1.16	0.51	0.44	29.5	13.0	11.2
186	Plug/Male	1/8	1/4	1/4-18	NPTF	2	1.44	0.63	0.56	36.6	16.0	14.2

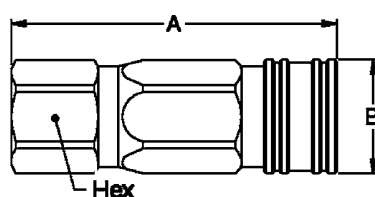


Figure 1

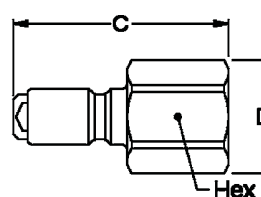


Figure 2

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)
28S12F	Socket/Female	1/8	1/8	1/8-27	NPTF	1	1.79	0.63	0.56	45.5	16.0	14.2
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions			C	D	Hex
							C	D	Hex			
							(in)	(in)	(in)	(mm)	(mm)	(mm)
183	Plug/Male	1/8	1/8	1/8-27	NPTF	2	1.19	0.58	0.50	30.2	14.7	12.7



Figure 1

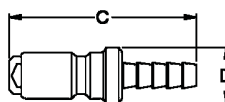


Figure 2

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions			
					C	D	C	D
					(in)	(in)	(mm)	(mm)
187	Plug/Male	1/8	1/8	1	1.25	0.38	31.8	9.7
189	Plug/Male	1/8	3/16	2	1.50	0.38	38.1	9.7

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100 Series



Eaton's 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

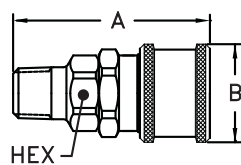
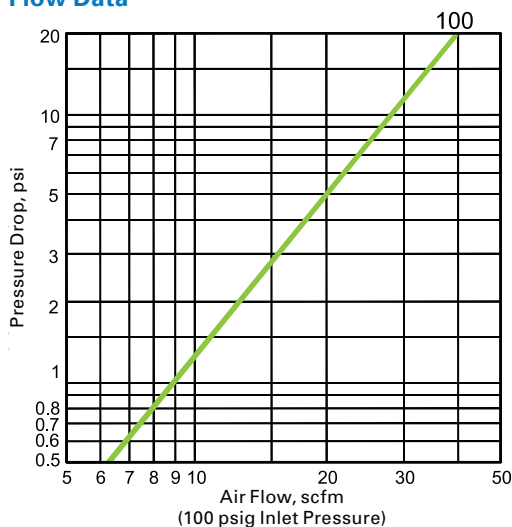


Figure 1

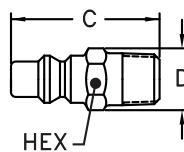


Figure 2

Male End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions			Hex	A	B	Hex
							A	B	Hex				
							(in)	(in)	(in)		(mm)	(mm)	(mm)
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			Hex	C	D	Hex
							C	D	Hex				
							(in)	(in)	(in)		(mm)	(mm)	(mm)
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

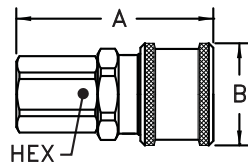


Figure 1

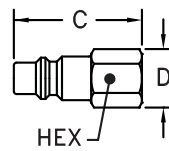


Figure 2

Female End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	A	B	Hex
							A	B				
							(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		Hex	C	D	Hex
							C	D				
							(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

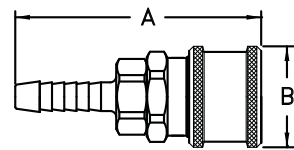


Figure 1

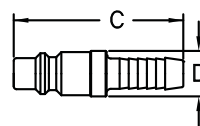


Figure 2

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

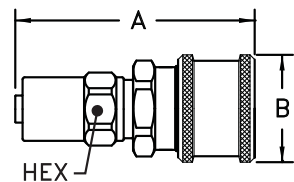


Figure 1

Hose Clamp End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Fig.	Dimensions		Hex	A	B	Hex
						A	B				
						(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	PPDC1HK	PSDC1HK



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600/700 Series



Eaton’s 600/700 Series quick connect couplings are designed for use in oxyacetylene service. The 600/700 Series can also be used with compressed air and other gases.

Product Features

- Safety sleeve lock prevents accidental disconnections
- Non-Interchangeable design prevents crossing of lines
- Color coded sleeves for easy identification: –600 green, –700 red
- Designed for use with compressed air and other gases
- OSHA compliant
- Standard body material: Brass
- Standard seal material: Buna-N

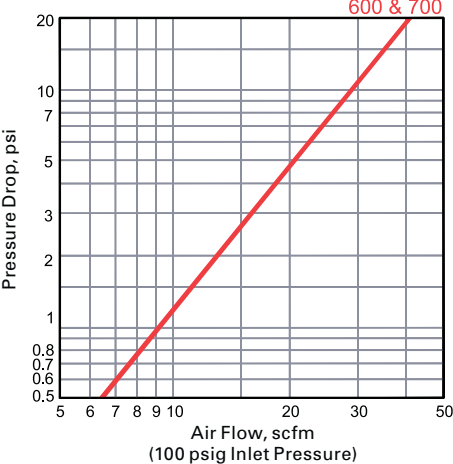
Physical Characteristics

Series	Body Size	Max. Operating Pressure		Min. Burst Pressure		Rated Flow	
	(in)	(bar)	(psi)	(bar)	(psi)	(lpm)	scfm
600 & 700	1/4	103	1,500	412	6,000	595	21

Applications & Markets

- Breathing Equipment
- Welding
- Shipyards
- General Pnuematics
- Construction
- Nitrous Oxide
- Series 600 couplings are not to be used with oxygen at pressures exceeding 100 psig.
- Series 700 couplings are not to be used with acetylene at pressures exceeding 15 psig.

Flow Data



! Series 600 and 700 couplings with sleeve lock feature comply with OSHA requirements*, which state couplings shall be a type that cannot be unlocked or disconnected by means of straight pull without rotary motion.

*Series 600 and 700 couplings with sleeve lock feature comply with O.S.H.A. requirements, Sec. 1915.35 (f)(5), 1916.35 (f)(5), 1917.35 (f)(5), and 1926.350 (f)(5).

WARNING

Oxygen increases combustibility. Fire and explosion could occur causing severe bodily injury or death. Be sure to select the proper coupling for your application and use it only within the specified service pressure range.

600 Series

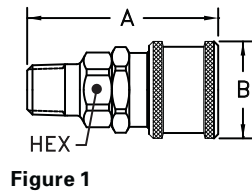


Figure 1

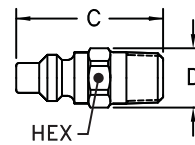


Figure 2

Male End Connections

Part Number Standard*	Oxygen Service	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions					
									A	B	Hex	A	B	Hex
									(in)	(in)	(in)	(mm)	(mm)	(mm)
GR601	GR601SL	Socket/Female	1/4	1/8	1/8-27	NPTF	Brass	1	1.84	1.00	0.69	46.7	25.4	17.5
GR603	GR603SL	Socket/Female	1/4	1/4	1/4-18	NPTF	Brass	1	2.03	1.00	0.69	51.6	25.4	17.5
GR604R†	GR604RSL	Socket/Female	1/4	9/16	9/16-18	UNF	Brass	1	1.92	1.00	0.69	48.8	25.4	17.5
GR605	GR605SL	Socket/Female	1/4	3/8	3/8-18	NPTF	Brass	1	1.99	1.00	0.69	50.5	25.4	17.5

Part Number Standard*	Oxygen Service	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions					
									C	D	Hex	C	D	Hex
									(in)	(in)	(in)	(mm)	(mm)	(mm)
01A	—	Plug/Male	1/4	1/8	1/8-27	NPTF	Brass	2	1.41	0.63	0.56	35.8	16.0	14.2
03A	—	Plug/Male	1/4	1/4	1/4-18	NPTF	Brass	2	1.56	0.63	0.56	39.6	16.0	14.2
04R†	—	Plug/Male	1/4	9/16	9/16-18	UNF	Brass	2	1.41	0.63	0.56	35.8	16.0	14.2

†R.H. Thread—30° Female Flare
*Without sleeve lock

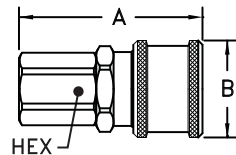


Figure 1

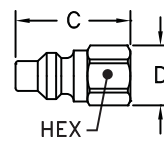


Figure 2

Female End Connections

Part Number Standard*	Oxygen Service	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions					
									A	B	Hex	A	B	Hex
									(in)	(in)	(in)	(mm)	(mm)	(mm)
GR600	GR600SL	Socket/Female	1/4	1/8	1/8-27	NPTF	Brass	1	1.73	1.00	0.69	43.9	25.4	17.5
GR602	GR602SL	Socket/Female	1/4	1/4	1/4-18	NPTF	Brass	1	1.95	1.00	0.69	49.5	25.4	17.5
GR604	GR604SL	Socket/Female	1/4	3/8	3/8-18	NPTF	Brass	1	2.03	1.00	0.69	51.6	25.4	17.5
GR605R‡	GR605RSL	Socket/Female	1/4	9/16	9/16-18	UNF	Brass	1	1.95	1.00	0.69	49.5	25.4	17.5

Part Number Standard*	Oxygen Service	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	Dimensions					
									C	D	Hex	C	D	Hex
									(in)	(in)	(in)	(mm)	(mm)	(mm)
00A	—	Plug/Male	1/4"	1/8	1/8-27	NPTF	Brass	2	1.22	0.63	0.56	31.0	16.0	14.2
02A	—	Plug/Male	1/4"	1/4	1/4-18	NPTF	Brass	2	1.41	0.77	0.69	35.8	19.6	17.5
05R‡	—	Plug/Male	1/4	9/16	9/16-18	UNF	Brass	2	1.38	0.77	0.69	35.1	19.6	17.5

‡R.H. Thread—Inverted Flare
*Without sleeve lock

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600 Series

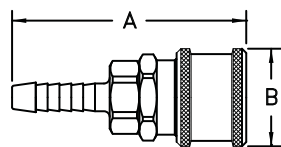


Figure 1

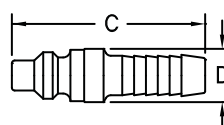
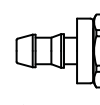
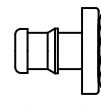


Figure 2



GR606P
Figure 1A



GR608P

Hose Stem End Connections

Part Number

Standard*	Oxygen Service	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions			
							A	B	A	B
							(in)	(in)	(mm)	(mm)
GR606	GR606SL	Socket/Female	1/4	1/4	Brass	1	2.47	1.00	62.74	25.40
GR606P§	GR606PSL§	Socket/Female	1/4	1/4	Brass	1, 1A	2.24	1.00	56.90	25.40
GR607	GR607SL	Socket/Female	1/4	5/16	Brass	1	2.47	1.00	62.74	25.40
GR608	GR608SL	Socket/Female	1/4	3/8	Brass	1	2.47	1.00	62.74	25.40
GR608P§	—	Socket/Female	1/4	3/8	Brass	1, 1A	2.31	1.00	58.67	25.40

Part Number

Standard*	Oxygen Service	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions			
							C	D	C	D
							(in)	(in)	(mm)	(mm)
07A	—	Plug/Male	1/4	1/4	Brass	2	2.03	0.56	51.56	14.22
08A	—	Plug/Male	1/4	5/16	Brass	2	2.03	0.56	51.56	14.22
09A	—	Plug/Male	1/4	3/8	Brass	2	2.04	0.56	51.82	14.22

§For use with push-on style hose

*Without sleeve lock

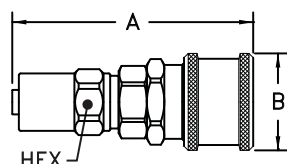


Figure 1

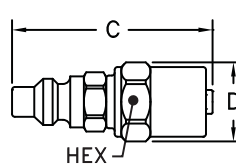


Figure 2

Hose Clamp End Connections

Part Number

Standard*	Oxygen Service	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)
GR60B3	GR60B3SL	Socket/Female	1/4	1/4	1/2	Brass	1	2.56	1.00	0.63	65.0	25.4	16.0
GR60B5	GR60B5SL	Socket/Female	1/4	1/4	9/16	Brass	1	2.56	1.00	0.69	65.0	25.4	17.5
GR60B7	GR60B7SL	Socket/Female	1/4	1/4	5/8	Brass	1	2.56	1.00	0.75	65.0	25.4	19.1
GR60C5	—	Socket/Female	1/4	5/16	9/16	Brass	1	2.62	1.00	0.69	66.5	25.4	17.5
GR60D7	—	Socket/Female	1/4	3/8	5/8	Brass	1	2.68	1.00	0.75	68.1	25.4	19.1
GR60D9	—	Socket/Female	1/4	3/8	11/16	Brass	1	2.68	1.00	0.81	68.1	25.4	20.6
GR60D11	—	Socket/Female	1/4	3/8	3/4	Brass	1	2.68	1.00	0.88	68.1	25.4	22.4

Part Number

Standard*	Oxygen Service	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)
6B3	—	Plug/Male	1/4	1/4	1/2	Brass	2	2.13	0.70	0.63	54.1	17.8	16.0
6B5	—	Plug/Male	1/4	1/4	9/16	Brass	2	2.13	0.77	0.69	54.1	19.6	17.5
6B7	—	Plug/Male	1/4	1/4	5/8	Brass	2	2.13	0.84	0.75	54.1	21.3	19.1
6D7	—	Plug/Male	1/4	3/8	5/8	Brass	2	2.25	0.84	0.75	57.2	21.3	19.1
6D9	—	Plug/Male	1/4	3/8	11/16	Brass	2	2.25	0.91	0.81	57.2	23.1	20.6
6D11	—	Plug/Male	1/4	3/8	3/4	Brass	2	2.25	0.98	0.88	57.2	24.9	22.4

*Without sleeve lock

700 Series

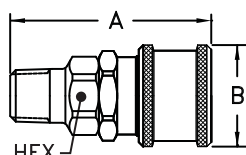


Figure 1

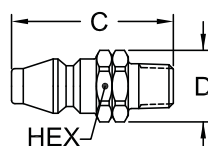


Figure 2

Male End Connections

Part Number									Dimensions					
Standard*	Acetylene Service	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	A	B	Hex	A	B	Hex
									(in)	(in)	(in)	(mm)	(mm)	(mm)
RD701	—	Socket/Female	1/4	1/8	1/8-27	NPTF	Brass	1	1.85	1.00	0.69	47.0	25.4	17.5
RD703	RD703SL	Socket/Female	1/4	1/4	1/4-18	NPTF	Brass	1	2.04	1.00	0.69	51.8	25.4	17.5
RD704L†	RD704LSL	Socket/Female	1/4	9/16	9/16-18	UNF	Brass	1	1.93	1.00	0.69	49.0	25.4	17.5
RD705	RD705SL	Socket/Female	1/4	3/8	3/8-18	NPTF	Brass	1	2.00	1.00	0.69	50.8	25.4	17.5

Part Number									Dimensions					
Standard*	Acetylene Service	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	C	D	Hex	C	D	Hex
									(in)	(in)	(in)	(mm)	(mm)	(mm)
A1	—	Plug/Male	1/4	1/8	1/8-27	NPTF	Brass	2	1.47	0.63	0.56	37.3	16.0	14.2
A3P	—	Plug/Male	1/4	1/4	1/4-18	NPTF	Brass	2	1.63	0.63	0.56	41.4	16.0	14.2
A4L†	—	Plug/Male	1/4	9/16	9/16-18	UNF	Brass	2	1.50	0.63	0.56	38.1	16.0	14.2

†L.H. Thread—30° Female Flare
 *Without sleeve lock

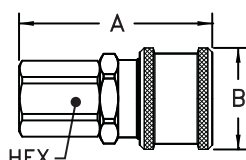


Figure 1

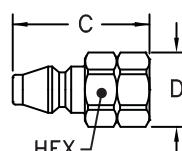


Figure 2

Female End Connections

Part Number									Dimensions					
Standard*	Acetylene Service	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	A	B	Hex	A	B	Hex
									(in)	(in)	(in)	(mm)	(mm)	(mm)
RD700	RD700SL	Socket/Female	1/4	1/8	1/8-27	NPTF	Brass	1	1.74	1.00	0.69	44.2	25.4	17.5
RD702	RD702SL	Socket/Female	1/4	1/4	1/4-18	NPTF	Brass	1	1.96	1.00	0.69	49.8	25.4	17.5
RD704	RD704SL	Socket/Female	1/4	3/8	3/8-18	NPTF	Brass	1	2.04	1.00	0.69	51.8	25.4	17.5
RD705L‡	RD705LSL	Socket/Female	1/4	9/16	9/16-18	UNF	Brass	1	1.96	1.00	0.69	49.8	25.4	17.5

Part Number									Dimensions					
Standard*	Acetylene Service	Coupling Type	Body Size	Port Size	Thread	Type	Material	Fig.	C	D	Hex	C	D	Hex
									(in)	(in)	(in)	(mm)	(mm)	(mm)
A2	—	Plug/Male	1/4	1/4	1/4-18	NPTF	Brass	2	1.46	0.77	0.69	37.1	19.6	17.5
A5L‡	—	Plug/Male	1/4	9/16	9/16-18	UNF	Brass	2	1.38	0.77	0.69	35.1	19.6	17.5

‡L.H. Thread—Inverted Flare
 *Without sleeve lock

FLUID TRANSFER
AND HYDRAULIC

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

700 Series

FLUID TRANSFER
AND HYDRAULIC

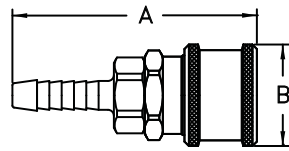


Figure 1

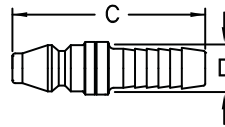
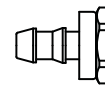
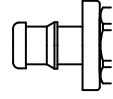


Figure 2



RD706P



RD708P

Figure 1A

Hose Stem End Connections

Part Number	Acetylene Service	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions		A	B
Standard*							A	B	A	B
							(in)	(in)	(mm)	(mm)
RD706	RD706SL	Socket/Female	1/4	1/4	Brass	1	2.48	1.00	63.0	25.4
RD706P§	—	Socket/Female	1/4	1/4	Brass	1	2.25	1.00	57.2	25.4
RD707	RD707SL	Socket/Female	1/4	5/16	Brass	1	2.48	1.00	63.0	25.4
RD708	RD708SL	Socket/Female	1/4	3/8	Brass	1	2.48	1.00	63.0	25.4
RD708P	—	Socket/Female	1/4	3/8	Brass	1	2.32	1.00	58.9	25.4

Part Number	Acetylene Service	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions		C	D
Standard*							C	D	C	D
							(in)	(in)	(mm)	(mm)
A7	—	Plug/Male	1/4	1/4	Brass	2	2.00	0.56	50.8	14.2
A8	—	Plug/Male	1/4	5/16	Brass	2	2.06	0.56	52.3	14.2
A9	—	Plug/Male	1/4	3/8	Brass	2	2.10	0.56	53.3	14.2

§For use with push-on style hose

*Without sleeve lock

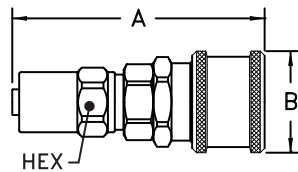


Figure 1

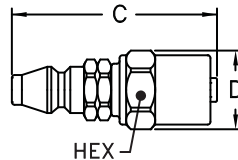


Figure 2

Hose Clamp End Connections

Part Number	Acetylene Service	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Material	Fig.	Dimensions			A	B	Hex
Standard*								A	B	Hex	A	B	Hex
								(in)	(in)	(in)	(mm)	(mm)	(mm)
RD70B3	RD70B3SL	Socket	1/4	1/4	1/2	Brass	1	2.57	1.00	0.63	65.3	25.4	16.0
RD70B7	—	Socket	1/4	1/4	5/8	Brass	1	2.57	1.00	0.75	65.3	25.4	19.1
RD70D7	—	Socket	1/4	3/8	5/8	Brass	1	2.69	1.00	0.75	68.3	25.4	19.1
RD70D9	—	Socket	1/4	3/8	11/16	Brass	1	2.69	1.00	0.81	68.3	25.4	20.6

Part Number	Acetylene Service	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Material	Fig.	Dimensions			C	D	Hex
Standard*								C	D	Hex	C	D	Hex
								(in)	(in)	(in)	(mm)	(mm)	(mm)
7B3	—	Plug	1/4	1/4	1/2	Brass	2	2.19	0.70	0.63	55.6	17.8	16.0
7B7	—	Plug	1/4	1/4	5/8	Brass	2	2.19	0.84	0.75	55.6	21.3	19.1

*Without sleeve lock

Dust Caps and Dust Plugs

Series	Dust Cap	Dust Plug
600	PPDC1HK	PSDC1HK
700	PPDC1HK	PSDC1HK



PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

2RL/3RL Series



Eaton's 2RL/3RL ring lock series quick disconnect pneumatic couplings have a unique interchange which Eaton designed for use with compressed air.

FLUID TRANSFER
AND HYDRAULIC

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

Product Features

- High Flow capacity
- Push to connect with a ring lock sleeve
- Ring lock design prevents accidental disconnection
- To disconnect rotate sleeve 20 degrees
- Standard body material: Zinc trivalent plated steel
- Standard seal material: Buna-N
- Optional seal materials: Silicone-138, FKM-143, EPDM-192

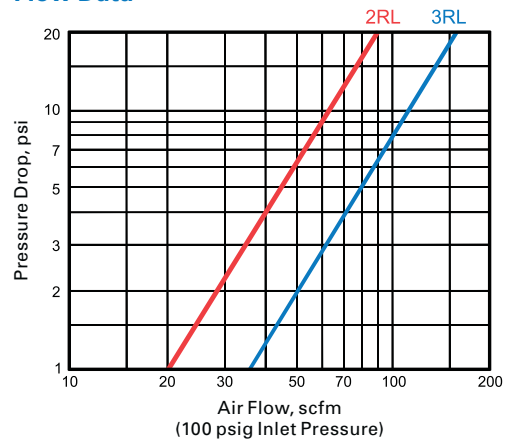
Physical Characteristics

Series	Coupling Size	Max. Operating Pressure		Min. Burst Pressure		Rated Flow	
	(in)	(bar)	(psi)	(bar)	(psi)	(lpm)	scfm
2RL	1/4	20	300	80	1,200	1,350	48
3RL	3/8	20	300	80	1,200	2,250	80

Applications & Markets

- Shipyards
- General Pneumatics
- Mining
- Marine

Flow Data



2RL Series

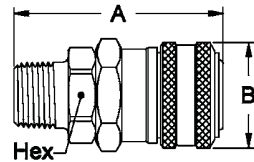


Figure 1

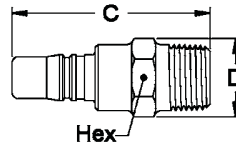


Figure 2

Male End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	A	B	Hex
							A	B		(mm)	(mm)	(mm)
							(in)	(in)	(in)			
2R10	Socket/Female	1/4	1/8	1/8-27	NPTF	1	2.01	1.06	0.88	51.1	26.9	22.4
2R15	Socket/Female	1/4	1/4	1/4-18	NPTF	1	2.16	1.06	0.88	54.9	26.9	22.4
2R20	Socket/Female	1/4	3/8	3/8-18	NPTF	1	2.16	1.06	0.88	54.9	26.9	22.4
2R25	Socket/Female	1/4	1/2	1/2-14	NPTF	1	2.35	1.06	0.88	59.7	26.9	22.4
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	C	D	Hex
							C	D		(mm)	(mm)	(mm)
							(in)	(in)	(in)			
2L10	Plug/Male	1/4	1/8	1/8-27	NPTF	2	1.51	0.58	0.50	38.4	14.7	12.7
2L15	Plug/Male	1/4	1/4	1/4-18	NPTF	2	1.66	0.65	0.56	42.2	16.5	14.2
2L15G†	Plug/Male	1/4	1/4	1/4-18	NPTF	2	2.64	0.77	0.69	67.1	19.6	17.5
2L20	Plug/Male	1/4	3/8	3/8-18	NPTF	2	2.04	0.79	0.69	51.8	20.1	17.5
2L20G†	Plug/Male	1/4	3/8	3/8-18	NPTF	2	2.64	0.77	0.69	67.1	19.6	17.5
2L25	Plug/Male	1/4	1/2	1/2-14	NPTF	2	2.31	1.01	0.88	58.7	25.7	22.4

†With Bleeder Ball Check—Reduces Hose Whip

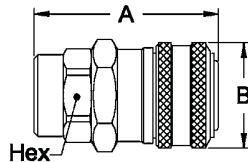


Figure 1

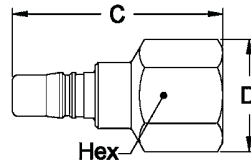


Figure 2

Female End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	A	B	Hex
							A	B		(mm)	(mm)	(mm)
							(in)	(in)	(in)			
2R11	Socket/Female	1/4	1/8	1/8-27	NPTF	1	1.91	1.06	0.88	48.5	26.9	22.4
2R16	Socket/Female	1/4	1/4	1/4-18	NPTF	1	1.91	1.06	0.88	48.5	26.9	22.4
2R21	Socket/Female	1/4	3/8	3/8-18	NPTF	1	2.16	1.06	0.88	54.9	26.9	22.4
2R26	Socket/Female	1/4	1/2	1/2-14	NPTF	1	2.43	1.06	1.00	61.7	26.9	25.4
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	C	D	Hex
							C	D		(mm)	(mm)	(mm)
							(in)	(in)	(in)			
2L11	Plug/Male	1/4	1/8	1/8-27	NPTF	2	1.36	0.65	0.56	34.5	16.5	14.2
2L16	Plug/Male	1/4	1/4	1/4-18	NPTF	2	1.54	0.79	0.69	39.1	20.1	17.5
2L16G†	Plug/Male	1/4	1/4	1/4-18	NPTF	2	2.55	0.77	0.69	64.8	19.6	17.5
2L21	Plug/Male	1/4	3/8	3/8-18	NPTF	2	1.88	0.94	0.81	47.8	23.9	20.6
2L26	Plug/Male	1/4	1/2	1/2-14	NPTF	2	2.18	1.15	1.00	55.4	29.2	25.4

†With Bleeder Ball Check—Reduces Hose Whip

2RL Series

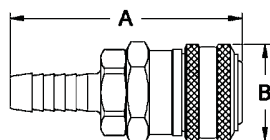


Figure 1

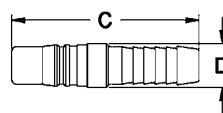


Figure 2

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions A	B	A	B
					(in)	(in)	(mm)	(mm)
2R17	Socket/Female	1/4	1/4	1	2.63	1.06	66.8	26.9
2R195	Socket/Female	1/4	5/16	1	2.63	1.06	66.8	26.9
2R22	Socket/Female	1/4	3/8	1	2.63	1.06	66.8	26.9
2R27	Socket/Female	1/4	1/2	1	2.63	1.06	66.8	26.9
Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions C	D	C	D
					(in)	(in)	(mm)	(mm)
2L17	Plug/Male	1/4	1/4	2	2.13	0.50	54.1	12.7
2L195	Plug/Male	1/4	5/16	2	2.13	0.50	54.1	12.7
2L22	Plug/Male	1/4	3/8	2	2.13	0.50	54.1	12.7
2L27	Plug/Male	1/4	1/2	2	2.5	0.81	63.5	20.6

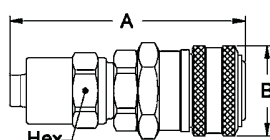


Figure 1

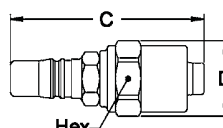


Figure 2

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)
2R18B1	Socket/Female	1/4	1/4	15/32	1	2.73	1.06	0.63	69.3	26.9	16.00
2R18B3	Socket/Female	1/4	1/4	1/2	1	2.73	1.06	0.63	69.3	26.9	16.00
2R18B7	Socket/Female	1/4	1/4	5/8	1	2.73	1.06	0.75	69.3	26.9	19.05
2R18B11	Socket/Female	1/4	1/4	3/4	1	2.73	1.06	0.88	69.3	26.9	22.35
2R185C7	Socket/Female	1/4	5/16	5/8	1	2.79	1.06	0.75	70.9	26.9	19.05
2R185C9	Socket/Female	1/4	5/16	11/16	1	2.79	1.06	0.81	70.9	26.9	20.57
2R23D7	Socket/Female	1/4	3/8	5/8	1	2.85	1.06	0.75	72.4	26.9	19.05
2R23D9	Socket/Female	1/4	3/8	11/16	1	2.85	1.06	0.81	72.4	26.9	20.57
2R23D11	Socket/Female	1/4	3/8	3/4	1	2.85	1.06	0.88	72.4	26.9	22.35
2R23D13	Socket/Female	1/4	3/8	13/16	1	2.85	1.06	0.94	72.4	26.9	23.88
2R28P13	Socket/Female	1/4	1/2	13/16	1	3.48	1.06	0.94	88.4	26.9	23.88
2R28P15	Socket/Female	1/4	1/2	7/8	1	3.48	1.06	1.00	88.4	26.9	25.40
Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Fig.	Dimensions C	D	Hex	C	D	Hex
						(in)	(in)	(in)	(mm)	(mm)	(mm)
2L18B3	Plug/Male	1/4	1/4	1/2	2	2.23	0.70	0.63	56.6	17.8	16.00
2L185C7	Plug/Male	1/4	5/16	5/8	2	2.29	0.84	0.75	58.2	21.3	19.05
2L185C9	Plug/Male	1/4	5/16	11/16	2	2.29	0.91	0.81	58.2	23.1	20.57
2L23D5	Plug/Male	1/4	3/8	9/16	2	2.35	0.77	0.69	59.7	19.6	17.53
2L23D7	Plug/Male	1/4	3/8	5/8	2	2.35	0.84	0.75	59.7	21.3	19.05
2L23D9	Plug/Male	1/4	3/8	11/16	2	2.35	0.91	0.81	59.7	23.1	20.57
2L23D11	Plug/Male	1/4	3/8	3/4	2	2.35	0.98	0.88	59.7	24.9	22.35
2L23D13	Plug/Male	1/4	3/8	13/16	2	2.35	1.05	0.94	59.7	26.7	23.88
2L28P13	Plug/Male	1/4	1/2	13/16	2	3.41	1.05	0.94	86.6	26.7	23.88
2L28P15	Plug/Male	1/4	1/2	7/8	2	3.41	1.12	1.00	86.6	28.4	25.40

FLUID TRANSFER
AND HYDRAULIC

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

3RL Series

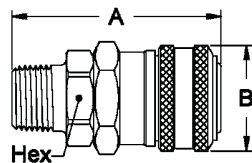


Figure 1

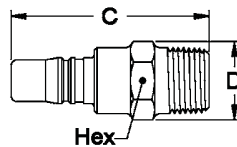


Figure 2

Male End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	A	B	Hex
							A	B		(mm)	(mm)	(mm)
							(in)	(in)	(in)			
3R15	Socket/Female	3/8	1/4	1/4-18	NPTF	1	2.34	1.31	1.00	59.4	33.3	25.4
3R20	Socket/Female	3/8	3/8	3/8-18	NPTF	1	2.35	1.31	1.00	59.7	33.3	25.4
3R25	Socket/Female	3/8	1/2	1/2-14	NPTF	1	2.54	1.31	1.00	64.5	33.3	25.4
3R30	Socket/Female	3/8	3/4	3/4-14	NPTF	1	2.54	1.31	1.06	64.5	33.3	26.9
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	C	D	Hex
							C	D		(mm)	(mm)	(mm)
							(in)	(in)	(in)			
3L10	Plug/Male	3/8	1/8	1/8-27	NPTF	2	1.54	0.72	0.63	39.1	18.3	16.0
3L15	Plug/Male	3/8	1/4	1/4-18	NPTF	2	1.70	0.72	0.63	43.2	18.3	16.0
3L15G†	Plug/Male	3/8	1/4	1/4-18	NPTF	2	2.64	0.98	0.88	67.1	24.9	22.4
3L20	Plug/Male	3/8	3/8	3/8-18	NPTF	2	1.76	0.79	0.69	44.7	20.1	17.5
3L20G†	Plug/Male	3/8	3/8	3/8-18	NPTF	2	2.64	0.98	0.88	67.1	24.9	22.4
3L25	Plug/Male	3/8	1/2	1/2-14	NPTF	2	2.31	1.01	0.88	58.7	25.7	22.4
3L25G†	Plug/Male	3/8	1/2	1/2-14	NPTF	2	2.83	0.98	0.88	71.9	24.9	22.4
3L30	Plug/Male	3/8	3/4	3/4-14	NPTF	2	2.38	1.23	1.06	60.5	31.2	26.9
3L30G†	Plug/Male	3/8	3/4	3/4-14	NPTF	2	2.88	1.19	1.06	73.2	30.2	26.9

†With Bleeder Ball Check—Reduces Hose Whip

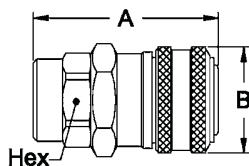


Figure 1

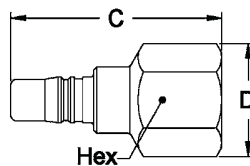


Figure 2

Female End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	A	B	Hex
							A	B		(mm)	(mm)	(mm)
							(in)	(in)	(in)			
3R16	Socket/Female	3/8	1/4	1/4-18	NPTF	1	2.29	1.31	1.00	58.2	33.3	25.4
3R21	Socket/Female	3/8	3/8	3/8-18	NPTF	1	2.35	1.31	1.00	59.7	33.3	25.4
3R26	Socket/Female	3/8	1/2	1/2-14	NPTF	1	2.63	1.31	1.00	66.8	33.3	25.4
3R31A	Socket/Female	3/8	3/4	3/4-14	NPTF	1	2.66	1.31	1.19	67.6	33.3	30.2
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	C	D	Hex
							C	D		(mm)	(mm)	(mm)
							(in)	(in)	(in)			
3L16	Plug/Male	3/8	1/4	1/4-18	NPTF	2	1.48	0.79	0.69	37.6	20.1	17.5
3L16G†	Plug/Male	3/8	1/4	1/4-18	NPTF	2	2.39	0.98	0.88	60.7	24.9	22.4
3L21	Plug/Male	3/8	3/8	3/8-18	NPTF	2	1.63	0.94	0.81	41.4	23.9	20.6
3L26	Plug/Male	3/8	1/2	1/2-14	NPTF	2	2.25	1.15	1.00	57.2	29.2	25.4
3L26G†	Plug/Male	3/8	1/2	1/2-14	NPTF	2	2.91	0.98	1.00	73.9	24.9	25.4
3L31	Plug/Male	3/8	3/4	3/4-14	NPTF	2	2.25	1.37	1.19	57.2	34.8	30.2

†With Bleeder Ball Check—Reduces Hose Whip

3RL Series

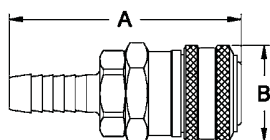


Figure 1

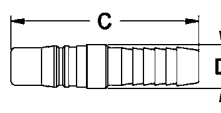


Figure 2

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions A	B	A	B
					(in)	(in)	(mm)	(mm)
3R17	Socket/Female	3/8	1/4	1	2.85	1.31	72.4	33.3
3R195	Socket/Female	3/8	5/16	1	2.85	1.31	72.4	33.3
3R22	Socket/Female	3/8	3/8	1	2.89	1.31	73.4	33.3
3R27	Socket/Female	3/8	1/2	1	2.81	1.31	71.4	33.3
3R32	Socket/Female	3/8	3/4	1	3.66	1.31	93.0	33.3
Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions C	D	C	D
					(in)	(in)	(mm)	(mm)
3L17	Plug/Male	3/8	1/4	2	2.16	0.63	54.9	16.0
3L17G†	Plug/Male	3/8	1/4	2	3.11	0.98	79.0	24.9
3L195	Plug/Male	3/8	5/16	2	2.16	0.63	54.9	16.0
3L195G†	Plug/Male	3/8	5/16	2	3.11	0.98	79.0	24.9
3L22	Plug/Male	3/8	3/8	2	2.16	0.75	54.9	19.1
3L22G†	Plug/Male	3/8	3/8	2	3.11	0.98	79.0	24.9
3L27	Plug/Male	3/8	1/2	2	2.16	0.81	54.9	20.6
3L27G†	Plug/Male	3/8	1/2	2	3.11	0.98	79.0	24.9
3L32	Plug/Male	3/8	3/4	2	3.13	1.00	79.5	25.4
3L32G†	Plug/Male	3/8	3/4	2	3.96	0.98	100.6	24.9

†With Bleeder Ball Check—Reduces Hose Whip

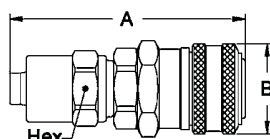


Figure 1

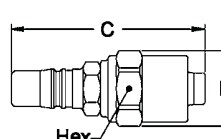


Figure 2

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)
3R23D7	Socket/Female	3/8	3/8	5/8	1	3.06	1.31	0.75	77.7	33.3	19.05
3R23D9	Socket/Female	3/8	3/8	11/16	1	3.06	1.31	0.81	77.7	33.3	20.57
3R23D11	Socket/Female	3/8	3/8	3/4	1	3.06	1.31	0.88	77.7	33.3	22.35
3R28P13	Socket/Female	3/8	1/2	13/16	1	3.66	1.31	0.94	93.0	33.3	23.88
3R28P15	Socket/Female	3/8	1/2	7/8	1	3.66	1.31	1.00	93.0	33.3	25.40
3R28P17	Socket/Female	3/8	1/2	15/16	1	3.66	1.31	1.06	93.0	33.3	26.92
3R33R23	Socket/Female	3/8	3/4	1 1/8	1	3.79	1.31	1.25	96.3	33.3	31.75
3R33R25	Socket/Female	3/8	3/4	1 3/16	1	3.79	1.31	1.31	96.3	33.3	33.27
Part Number	Coupling Type	Body Size	Hose I.D.	Hose O.D.	Fig.	Dimensions C	D	Hex	C	D	Hex
						(in)	(in)	(in)	(mm)	(mm)	(mm)
3L23D7	Plug/Male	3/8	3/8	5/8	2	2.45	0.84	0.75	62.2	21.3	19.05
3L23D9	Plug/Male	3/8	3/8	11/16	2	2.45	0.91	0.81	62.2	23.1	20.57
3L23D11	Plug/Male	3/8	3/8	3/4	2	2.45	0.98	0.88	62.2	24.9	22.35
3L28P13	Plug/Male	3/8	1/2	13/16	2	3.14	1.05	0.94	79.8	26.7	23.88
3L28P15	Plug/Male	3/8	1/2	7/8	2	3.14	1.12	1.00	79.8	28.4	25.40
3L33R23	Plug/Male	3/8	3/4	1 1/8	2	3.56	1.40	1.25	90.4	35.6	31.75
3L33R25	Plug/Male	3/8	3/4	1 3/16	2	3.56	1.47	1.31	90.4	37.3	33.27

Dust Caps and Dust Plugs

Series	Dust Cap	Dust Plug
2RL	PPDC1HK	PSDC1HK
3RL	PPDC2HK	PSDC2HK



Full-Bore Series



Eaton's Full-Bore Series is a premium automatic one-way shutoff quick disconnect coupling. Two sleeves must be actuated in sequence to bleed off back pressure and release the connector, preventing accidental uncoupling.

Product Features

- Pressure relieving feature fully vents downstream air, making connection/disconnection fast and easy, and eliminating hose whip
- Unique straight through design eliminates restrictive springs and poppet valves, allowing unimpeded air flow
- Two sleeve activation prevents accidental disconnect
- Standard body material: Zinc trivalent plated carbon steel
- Standard seal material: Buna-N

Physical Characteristics

Body Size (in)	Max. Operating Pressure		Min. Burst Pressure		Rated Flow	
	(bar)	(psi)	(bar)	(psi)	(lpm)	scfm
3/8	15	250	60	1,000	1,784	63
1/2	15	250	60	1,000	2,860	101

Applications & Markets

- Construction
- Maintenance and Repair
- In-Plant/Industrial
- Railyards
- General Pneumatics

Flow Data

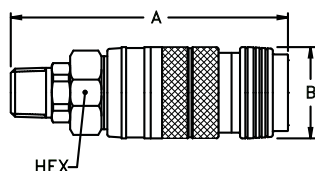
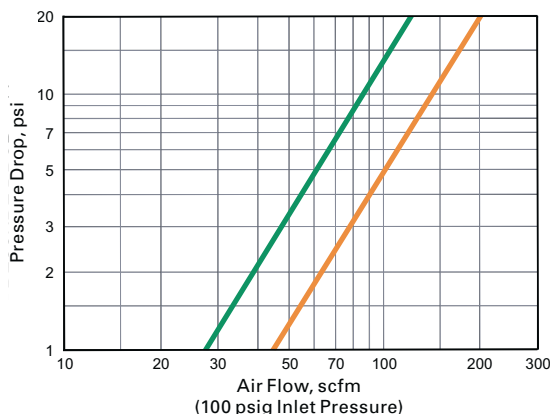


Figure 1

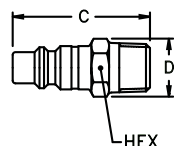


Figure 2

Male End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions			Hex	A	B	Hex
							A	B	Hex				
							(in)	(in)	(in)		(mm)	(mm)	(mm)
23203013	Socket/Female	3/8	3/8	3/8-18	NPTF	1	3.80	1.25	1.00		96.5	31.8	25.4
23203014	Socket/Female	3/8	1/2	1/2-14	NPTF	1	4.10	1.25	1.00		71.1	31.8	25.4
23204014	Socket/Female	1/2	1/2	1/2-14	NPTF	1	4.43	1.38	1.13		112.5	35.1	28.7
23204015	Socket/Female	1/2	3/4	3/4-14	NPTF	1	4.67	1.38	1.13		118.6	35.1	28.7
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions			Hex	C	D	Hex
							C	D	Hex				
							(in)	(in)	(in)		(mm)	(mm)	(mm)
40	Plug/Male	3/8	1/4	1/4-18	NPTF	2	1.88	0.72	0.63		47.8	18.3	16.0
42	Plug/Male	3/8	3/8	3/8-18	NPTF	2	1.88	0.79	0.69		47.8	20.1	17.5
44	Plug/Male	3/8	1/2	1/2-14	NPTF	2	2.09	1.01	0.88		53.1	25.7	22.4
52	Plug/Male	1/2	3/8	3/8-18	NPTF	2	2.25	0.87	0.75		57.2	22.1	19.1
54E	Plug/Male	1/2	1/2	1/2-14	NPTF	2	2.44	1.01	0.88		62.0	25.7	22.4
56	Plug/Male	1/2	3/4	3/4-14	NPTF	2	2.50	1.23	1.06		63.5	31.2	26.9

Full-Bore Series

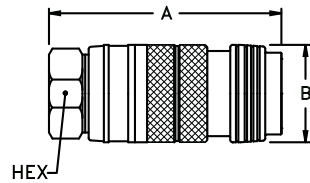


Figure 1

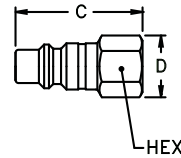


Figure 2

Female End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	A	B	Hex
							A	B		(mm)	(mm)	(mm)
							(in)	(in)	(in)			
23203300	Socket/Female	3/8	3/8	3/8-18	NPTF	1	3.17	1.25	1.00	80.5	31.8	25.4
23203004	Socket/Female	3/8	1/2	1/2-14	NPTF	1	3.92	1.25	1.00	99.6	31.8	25.4
23204400	Socket/Female	1/2	1/2	1/2-14	NPTF	1	3.31	1.38	1.13	84.1	35.1	28.7
23204005	Socket/Female	1/2	3/4	3/4-14	NPTF	1	4.30	1.38	1.13	109.2	35.1	28.7
Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	C	D	Hex
							C	D		(mm)	(mm)	(mm)
							(in)	(in)	(in)			
41	Plug/Male	3/8	1/4	1/4-18	NPTF	2	1.63	0.79	0.69	41.4	20.1	17.5
43	Plug/Male	3/8	3/8	3/8-18	NPTF	2	1.81	0.94	0.81	46.0	23.9	20.6
45E	Plug/Male	3/8	1/2	1/2-14	NPTF	2	2.06	1.15	1.00	52.3	29.2	25.4
53	Plug/Male	1/2	3/8	3/8-18	NPTF	2	2.06	0.94	0.81	52.3	23.9	20.6
55	Plug/Male	1/2	1/2	1/2-14	NPTF	2	2.34	1.15	1.00	59.4	29.2	25.4
57	Plug/Male	1/2	3/4	3/4-14	NPTF	2	2.44	1.37	1.19	62.0	34.8	30.2

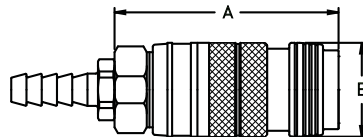


Figure 1

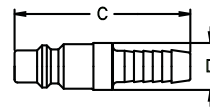


Figure 2

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions		A	B
					A	B	(mm)	(mm)
					(in)	(in)		
23203024	Socket/Female	3/8	1/4	1	4.36	1.25	110.7	31.8
23203025	Socket/Female	3/8	3/8	1	4.48	1.25	113.8	31.8
23204025	Socket/Female	1/2	3/8	1	4.80	1.41	121.9	35.8
23204026	Socket/Female	1/2	3/4	1	4.80	1.41	121.9	35.8
Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions		C	D
					C	D	(mm)	(mm)
					(in)	(in)		
404	Plug/Male	3/8	1/4	2	2.34	0.63	59.4	16.0
406	Plug/Male	3/8	3/8	2	2.34	0.63	59.4	16.0
408	Plug/Male	3/8	1/2	2	2.34	0.81	59.4	20.6
59	Plug/Male	1/2	3/8	2	2.66	0.69	67.6	17.5
60	Plug/Male	1/2	1/2	2	2.66	0.75	67.6	19.1
61E	Plug/Male	1/2	3/4	2	3.50	1.00	88.9	25.4

FLUID TRANSFER
AND HYDRAULIC

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

210/310 Series



Eaton’s 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

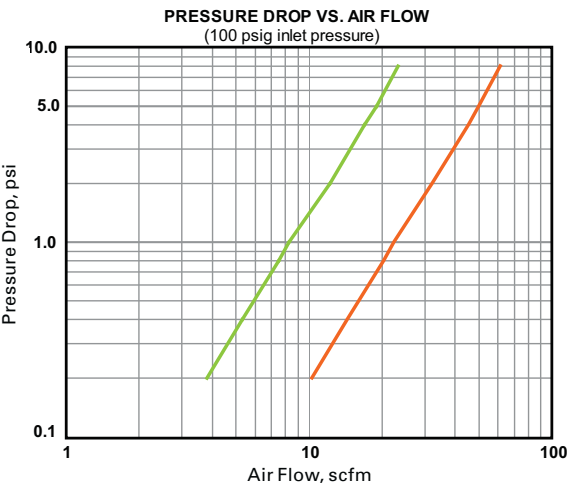
Physical Characteristics

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

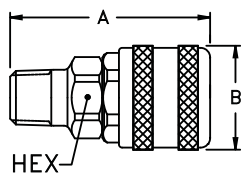


Figure 1

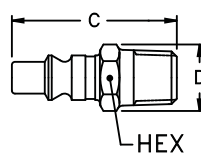


Figure 2

Male End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	A	B	Hex
							A	B				
							(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

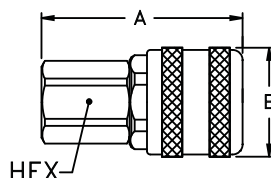


Figure 1

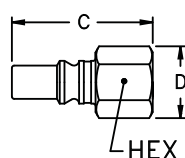


Figure 2

Female End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	A	B	Hex
							A	B				
							(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.

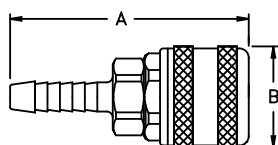


Figure 1

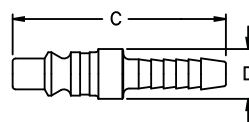


Figure 2

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

FLUID TRANSFER
AND HYDRAULIC

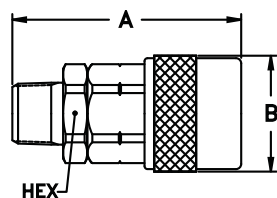


Figure 1

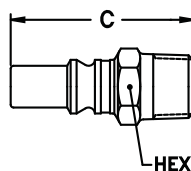


Figure 2

Male End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	A	B	Hex
							A	B				
							(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		Hex	C	D	Hex
							C	D				
							(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

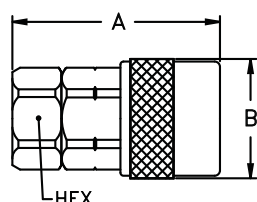


Figure 1

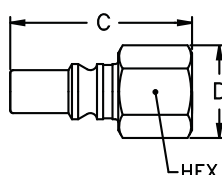


Figure 2

Female End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	A	B	Hex
							A	B				
							(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		Hex	C	D	Hex
							C	D				
							(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

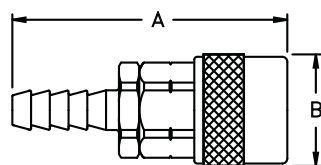


Figure 1

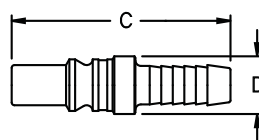


Figure 2

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

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

MS Series



Eaton's MS Series is an automatic one-way shut off quick disconnect pneumatic coupling. The MS Series features a steel pin latching mechanism that secures the mating connector.

Product Features

- Automatic push to connect
- Pin-lock design
- Interchanges with Industrial Interchange and A-A-59439 as well as Eaton Series 1000 plugs/males
- Standard body material: Zinc trivalent plated carbon steel
- Standard seal material: Buna-N

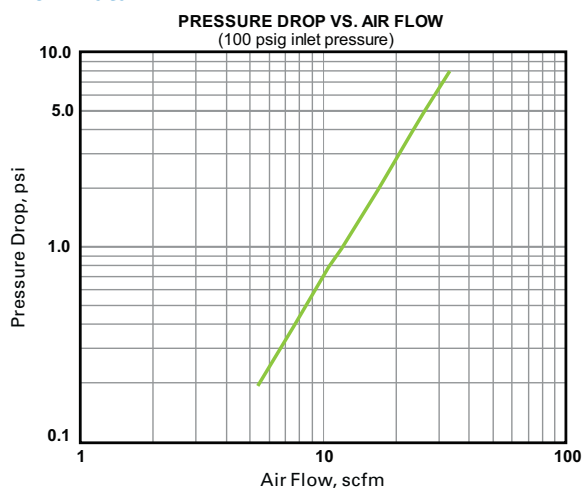
Physical Characteristics

Body Size (in)	Max. Operating Pressure		Min. Burst Pressure		Rated Flow	
	(bar)	(psi)	(bar)	(psi)	(lpm)	scfm
1/4	17	250	68	1,000	736	26

Applications & Markets

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

Flow Data



MS Series

FLUID TRANSFER
AND HYDRAULIC

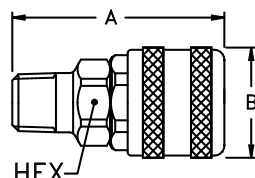


Figure 1

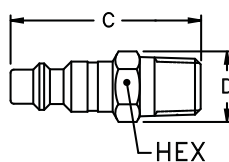


Figure 2

Male End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	A	B	Hex
							A	B				
							(in)	(in)	(in)	(mm)	(mm)	(mm)
MSCM22000	Socket/Female	1/4	1/4	1/4-18	NPTF	1	1.95	1.02	0.69	49.5	25.9	17.5
MSCM23000	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		Hex	C	D	Hex
							C	D				
							(in)	(in)	(in)	(mm)	(mm)	(mm)
10	Plug/Male	1/4	1/4	1/4-18	NPTF	2	1.75	0.62	0.56	44.5	15.7	14.2
12E	Plug/Male	1/4	1/8	1/8-27	NPTF	2	1.59	0.58	0.5	40.4	14.7	12.7
14	Plug/Male	1/4	3/8	3/8-18	NPTF	2	1.75	0.79	0.69	44.5	20.1	17.5

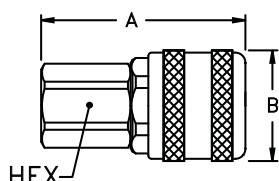


Figure 1

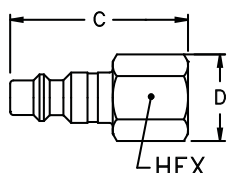


Figure 2

Female End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	A	B	Hex
							A	B				
							(in)	(in)	(in)	(mm)	(mm)	(mm)
MSCF22000	Socket/Female	1/4	1/4	1/4-18	NPTF	1	1.87	1.02	0.69	47.5	25.9	17.5
MSCF23000	Socket/Female	1/4	3/8	3/8-18	NPTF	1	1.95	1.02	0.75	49.5	25.9	19.1

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions		Hex	C	D	Hex
							C	D				
							(in)	(in)	(in)	(mm)	(mm)	(mm)
11	Plug/Male	1/4	1/4	1/4-18	NPTF	2	1.63	0.79	0.69	41.4	20.1	17.5
13	Plug/Male	1/4	1/8	1/8-27	NPTF	2	1.47	0.65	0.56	37.3	16.5	14.2
15	Plug/Male	1/4	3/8	3/8-18	NPTF	2	1.69	0.94	0.81	42.9	23.9	20.6

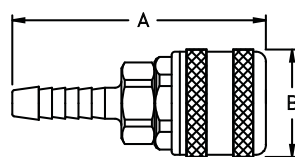


Figure 1

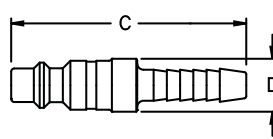


Figure 2

Hose Stem End Connections

Part Number	Coupling Type	Body Size	Hose I.D.	Fig.	Dimensions		A	B
					A	B		
					(in)	(in)	(mm)	(mm)
MSCH22000	Socket/Female	1/4	1/4	1	2.39	1.02	60.7	25.9
MSCH23000	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)
16	Plug/Male	1/4	1/4	2	2.22	0.5	56.4	12.7
17	Plug/Male	1/4	3/8	2	2.22	0.5	56.4	12.7

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

FD14 Series Oil Drain Coupling



Eaton’s FD14 Drain Coupling is designed to serve as a drain port for use with Eaton’s FLOCS (Fast Lube Oil Change System) as well as providing a purging port for use during pre-fill operations. The FD14 provides a leak free push to connect operation for improving speed and efficiency for oil evacuation systems.

Product Features

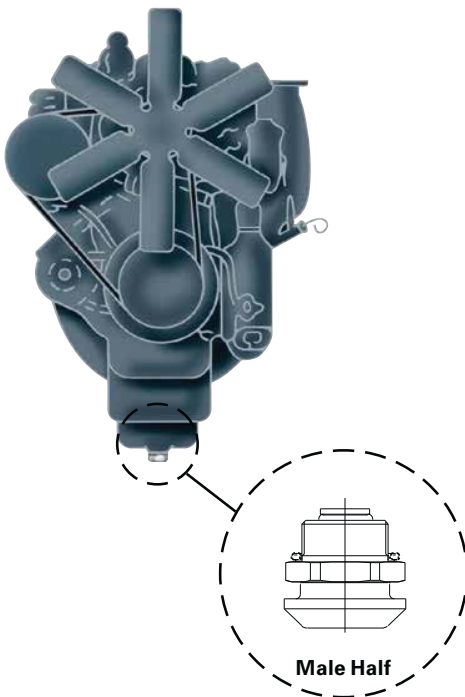
- Low-Profile design with multiple sealing mechanisms
- Push-To-Connect socket/female half for easy one-hand operation
- Broad range of standard thread styles for plug/male half
- Utilizes a Copper-Crush gasket to seat against the port face
- Standard plug/male half seal material: FKM
- Standard socket/female half seal material: Buna-N
- Standard body material: High resistance carbon steel with zinc trivalent plating with zinc die-cast valve

Physical Characteristics

Body Size	Max. Operating Pressure		Min. Burst Pressure Connected		Vacuum Connected Only	Rated Flow	
	(in)	(bar) (psi)	(bar)	(psi)		(lpm) (gpm)	
3/8		3.5 50	7.0	200	28 (in./Hg)	12 3	

Applications & Markets

- Automated oil evacuation systems
- Gravity drain oil evacuation systems



FLUID TRANSFER
AND HYDRAULIC

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

FD14 Series Oil Drain Coupling

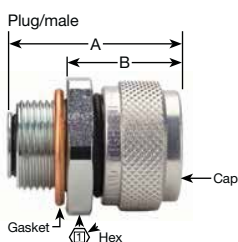


Figure 1

Dimensions (English Thread)

Dimensions (English Thread)										Part Number Assembly (includes Gasket & Cap)			
Body Size	Thread Size	Fig.	Dimensions A		Dimensions B		Hex ①		Min. Assy. Torque	Gasket (Copper-Crush)	Cap (Brass)		
	P		mm	(in)	mm	(in)	mm	(in)	N-m (lbs-ft)				
3/8	1 1/16-12 UN-2A	1	39.1	(1.54)	24.4	(.96)	38.1	(1 1/2)	41-81 (30-60)*	FD14-4002-20-06	FD14-1206-08	FD14-1210-06	
3/8	1 1/4-18 UNEF-2A	1	39.1	(1.54)	24.4	(.96)	38.1	(1 1/2)	41-81 (30-60)*	FD14-4002-05-06	FD14-1206-11	FD14-1210-06	
3/8	1 1/8-12 UNF-2A	1	39.1	(1.54)	24.4	(.96)	38.1	(1 1/2)	41-81 (30-60)*	FD14-4002-14-06	FD14-1206-09	FD14-1210-06	
3/8	1/2-14 DRYSEAL NPTF	1	40.6	(1.60)	24.4	(.96)	27.0	(1 1/16)	- -	FD14-4002-27-06*	None Needed	FD14-1210-06	
3/8	1/2-14 UNS-2A	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-33 (20-24)*	FD14-4002-22-06*	FD14-1206-01	FD14-1210-06	
3/8	1/2-20 UNF-2A	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-33 (20-24)*	FD14-4002-01-06*	FD14-1206-01	FD14-1210-06	
3/8	1-18 UNS-2A	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81 (30-60)*	FD14-4002-06-06	FD14-1206-07	FD14-1210-06	
3/8	3/4-14 DRYSEAL NPTF	1	43.8	(1.72)	24.4	(.96)	31.8	(1 1/4)	- -	FD14-4002-26-06	None Needed	FD14-1210-06	
3/8	3/4-16 UNF-2A	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-68 (30-50)*	FD14-4002-09-06	FD14-1206-04	FD14-1210-06	
3/8	5/8-18 UNF-2A	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-54 (20-40)*	FD14-4002-08-06*	FD14-1206-03	FD14-1210-06	
3/8	7/8-14 UNF-2A	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81 (30-60)*	FD14-4002-10-06	FD14-1206-06	FD14-1210-06	
3/8	7/8-18 UNS-2A	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81 (30-60)*	FD14-4002-07-06	FD14-1206-06	FD14-1210-06	
3/8	9/16-18 UNF-2A	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-54 (20-40)*	FD14-4002-12-06*	FD14-1206-02	FD14-1210-06	

*⚠CAUTION: Failure to meet minimum assembly torque could result in fluid leakage.

Dimensions (English Thread)

Dimensions (English Thread)										Part Number Assembly (includes Gasket & Cap)			
Body Size	Thread Size	Fig.	Dimensions A		Dimensions B		Hex ①		Min. Assy. Torque	Gasket (Copper-Crush)	Cap (Brass)		
	P		mm	(in)	mm	(in)	mm	(in)	N-m (lbs-ft)				
3/8	M12 X 1.5 6g	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-33 (20-24)*	FD14-4002-23-06*	FD14-1206-01		
3/8	M12 X 1.75 6g	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-33 (20-24)*	FD14-4002-25-06*	FD14-1206-01		
3/8	M14 X 1.25 6g	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-33 (20-24)*	FD14-4002-03-06*	FD14-1206-02		
3/8	M14 X 1.5 6g	1	38.6	(1.52)	24.4	(.96)	27.0	(1 1/16)	27-33 (20-24)*	FD14-4002-24-06*	FD14-1206-02		
3/8	M18 X 1.5 6g	1	38.6	(1.52)	24.4	(.96)	31.8	(1 1/4)	27-33 (20-24)*	FD14-4002-02-06*	FD14-1206-04		
3/8	M20 X 1.5 6g	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81 (30-60)*	FD14-4002-16-06	FD14-1206-05		
3/8	M22 X 1.5 6g	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81 (30-60)*	FD14-4002-18-06	FD14-1206-06		
3/8	M24 X 1.5 6g	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81 (30-60)*	FD14-4002-19-06	FD14-1206-07		
3/8	M24 X 2 6g	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81 (30-60)*	FD14-4002-11-06	FD14-1206-07		
3/8	M25 X 1.5 6g	1	39.1	(1.54)	24.4	(.96)	31.8	(1 1/4)	41-81 (30-60)*	FD14-4002-17-06	FD14-1206-07		
3/8	M27 X 2 6g	1	36.3	(1.43)	24.4	(.96)	38.1	(1 1/2)	41-81 (30-60)*	FD14-4002-29-06	FD14-1206-06		
3/8	M30 X 1.5 6g	1	39.1	(1.54)	24.4	(.96)	38.1	(1 1/2)	41-81 (30-60)*	FD14-4002-21-06	FD14-1206-10		

*⚠CAUTION: Failure to meet minimum assembly torque could result in fluid leakage.

Dimensions (Socket/Female Half NPTF, Valved)

Body Size	Thread Size	Fig.	Dimensions		Hex ①	Part Number Assembly
P			mm	(in)	mm	(in)
3/8	3/4-14 Dryseal NPTF	2	46.5	(1.83)	45.7	(1.80)

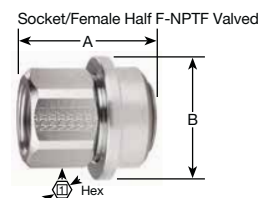


Figure 2

Dimensions (Socket/Female Half Assembly, Non-Valved)

Body Size	Hose Size	Fig.	Dimensions		Part Number Assembly
			A	B	
	P		mm (in)	mm (in)	
3/8	5/8" SOCKETLESS™	3	59.4 (2.34)	38.1 (1.50)	FD14-4003-10-06

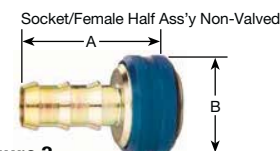


Figure 3

FD14 Series Oil Drain Coupling

Dimensions (Cap Molded Rubber)

Body Size	Fig.	Dimensions				Part Number Cap (Buna-N)
		A		B		
		mm	(in)	mm	(in)	
3/8	4	13.2	(.519)	35.6	(1.40)	FD14-1204-06

Dimensions (Cap)

Body Size	Fig.	Dimensions				Part Number Cap (Buna-N)
		A		B		
		mm	(in)	mm	(in)	
3/8	5	18.4	(.726)	31.8	(1.25)	FD14-1210-06

Swivel Joint

Body Size	Fig.	Thread Size	Cap	Part Number (Buna-N)
3/8	6	3/4-14	Dryseal NPTF	FD14-1004-12-12

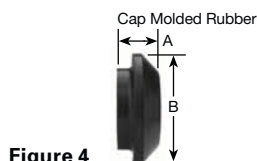


Figure 4

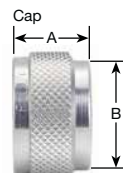


Figure 5



Figure 6



Powering Business Worldwide

Eaton Hansen Couplings授权代理商

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