

# 1000 Series



Eaton's 1000 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" accepts ISO 6150 B and A-A-59439 plugs/males
- Standard body material: Brass with nickel plated steel sleeve
- Standard seal material: Buna-N
- Optional seal materials: Silicone-138, FKM-143, EPDM-192

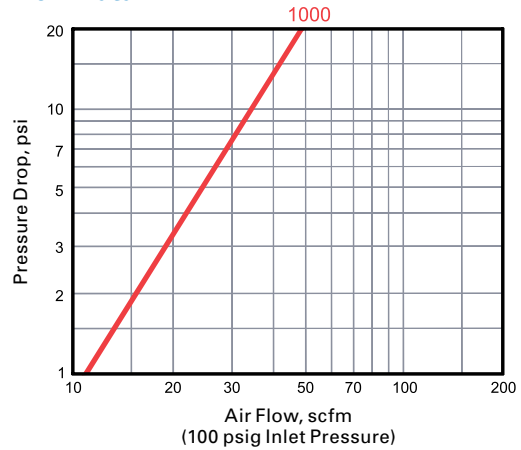
## Physical Characteristics

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

## Applications & Markets

- General Pneumatics
- Construction
- Industrial Plants

## Flow Data



FLUID TRANSFER  
AND HYDRAULIC

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

# 1000 Series

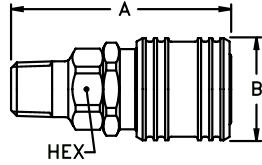


Figure 1

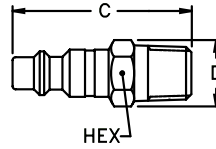


Figure 2

## 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

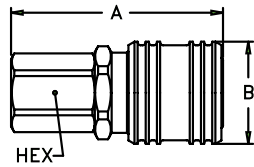


Figure 3

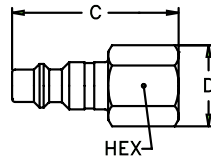


Figure 4

## 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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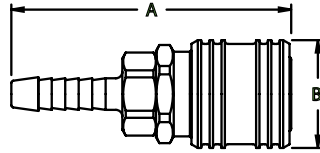


Figure 5

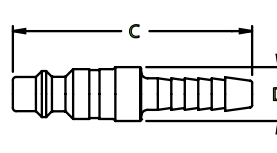


Figure 6

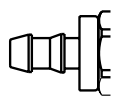
## Hose Stem End Connections

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

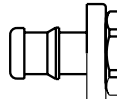
Part Number	Coupling Type	Body Size	Hose I.D.	Material	Fig.	Dimensions		C	D
						C	D		
						(in)	(in)	(mm)	(mm)
16	Plug/Male	1/4	1/4	Steel	6	2.22	0.50	56.39	12.70
16G†	Plug/Male	1/4	1/4	Steel	6	2.97	0.77	75.44	19.56
16P‡	Plug/Male	1/4	1/4	Steel	6, 6A	2.00	0.58	50.80	14.73
17	Plug/Male	1/4	3/8	Steel	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

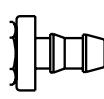


1600P

Figure 5A

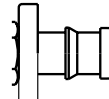


1700P



16P

Figure 6A



17P

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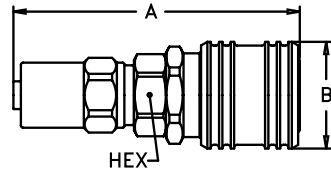


Figure 7

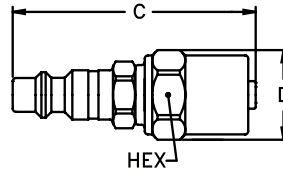


Figure 8

## Hose Clamp End Connections

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

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# G600 Series ISO 6150 B Interchange



Eaton Gromelle™ G600 Series is a single shut-off compressed air coupling that interchanges with ISO 6150 B and US A-A-59439 Standards requirements. Nominal diameter is 5.5 mm. Its new revamped design and the materials used make it a rugged and long-lasting coupling, offered in a wide selection of end connections. It is used in general pneumatic applications.

## Product Features

- Automatic sleeve for one-hand push-to-connect operation with ball-locking mechanism
- Single shut-off valving
- Excellent flow capacity
- Easy to connect
- Shock resistant ergonomic sleeve
- Standard body material (Socket): Nickel plated brass
- Standard body material (Plug): Zinc trivalent-plated steel
- Standard seal material: NBR

## Physical Characteristics

Body Size	Nominal Flow Diameter (mm)	Max. Operating Pressure		Air Flow Rate* $\Delta p$ 0.6 bar/8.7 psi** $\Delta p$ 1 bar/14.5 psi***				Working Temperature	
		(bar)	(psi)	(lpm)	(gpm)	(lpm)	(gpm)	°C	°F
1/4	5.5	20	290	1,050	277	1,315	347	-20° +100°	-4° +212°

\*Indicated values refer to an inlet pressure of 6 bar / 87 psi.

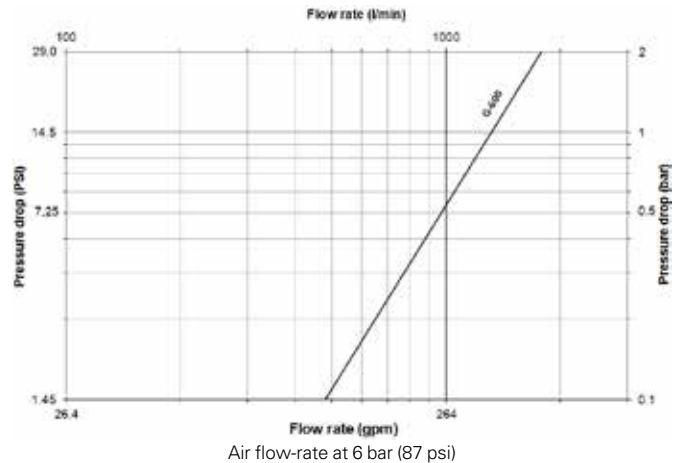
\*\*This flow rate allows the optimum output from a pneumatic tool.

\*\*\* This flow rate is the maximum recommended for a suitable output from a pneumatic tool. For applications needing higher flow rates, it is recommended to select a larger size coupling.

## Applications & Markets

- Compressed Air
- Pneumatic Tools

## Flow Data



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# G600 Series ISO 6150 B Interchange

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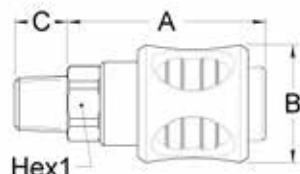


Figure 1

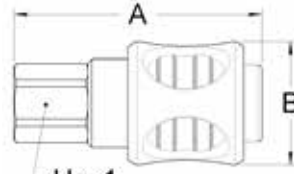


Figure 2

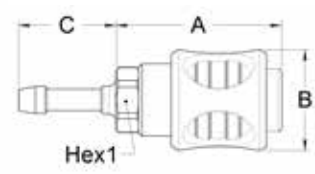


Figure 3

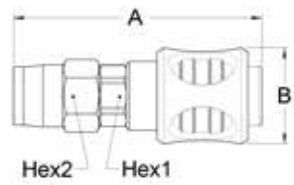


Figure 4

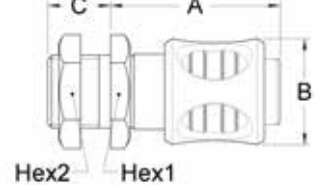


Figure 5

## Sockets (Female)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions			Hex1 (in)	Hex2 (in)	A (mm)	B (mm)	C (mm)	Hex1 (mm)	Hex2 (mm)	Weight	
						A (in)	B (in)	C (in)								lbs	g
GL0063614		1/4	1/4-19	Male BSPT	1	1.93	1.14	0.51	0.67	-	49	29	13	17	-	0.23	103
GL0063638		3/8	3/8-19	Male BSPT	1	1.93	1.14	0.57	0.67	-	49	29	14.5	17	-	0.25	112
GL0063612		1/2	1/2-14	Male BSPT	1	1.89	1.14	0.67	0.87	-	48	29	17	22	-	0.28	126
GL0063645		M14	M14x1,25	Male Metric	1	1.93	1.14	0.51	0.67	-	49	29	13	17	-	0.23	105
GL0062614		1/4	1/4-19	Female BSPP	2	2.30	1.14	-	0.67	-	58.5	29	-	17	-	0.22	102
GL0062638		3/8	3/8-19	Female BSPP	2	2.42	1.14	-	0.87	-	61.5	29	-	22	-	0.27	121
GL0062645		M14	M14x1,25	Female Metric	2	2.34	1.14	-	0.67	-	59.5	29	-	17	-	0.22	101
GL0065667		-	6 mm	Hose Tail	3	1.87	1.14	1.10	0.67	-	47.5	29	28	17	-	0.22	99
GL0065678	1/4	-	7 mm	Hose Tail	3	1.87	1.14	1.10	0.67	-	47.5	29	28	17	-	0.22	101
GL0065689		-	8 mm	Hose Tail	3	1.87	1.14	1.10	0.67	-	47.5	29	28	17	-	0.22	101
GL0065690		-	9 mm	Hose Tail	3	1.87	1.14	1.10	0.67	-	47.5	29	28	17	-	0.22	102
GL0065601		-	10 mm	Hose Tail	3	1.87	1.14	1.10	0.67	-	47.5	29	28	17	-	0.22	102
GL0061674		-	7x14 mm	Reusable Hose Fit.	4	2.95	1.14	-	0.67	0.75	75	29	-	17	19	0.30	134
GL0061684		-	8x14 mm	Reusable Hose Fit.	4	2.95	1.14	-	0.67	0.75	75	29	-	17	19	0.29	130
GL0061685		-	8x15 mm	Reusable Hose Fit.	4	2.95	1.14	-	0.67	0.75	75	29	-	17	19	0.28	126
GL0061696		-	9x16mm	Reusable Hose Fit.	4	2.95	1.14	-	0.67	0.75	75	29	-	17	19	0.28	128
GL0065014		1/4	1/4-19	Female BSPP Bulkhead**	5	1.83	1.14	0.67	1.06	1.06	46.5	29	17	27	27	0.33	148

To obtain connected length of coupling add dimensions A or A+C (Fig. 1, 2, 3, 4, 5) and D or D+E (Fig. 6, 7, 8, 9, 10) together and subtract 20 mm (0.79 in.)

\*Alternative end connections available upon request.

\*\*Max bulkhead thickness: 10 mm (0.39 in.) / Bulkhead hole diameter: 21 mm (0.83 in.)

# G600 Series ISO 6150 B Interchange

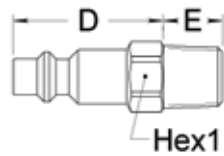


Figure 6

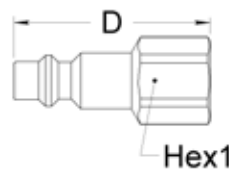


Figure 7

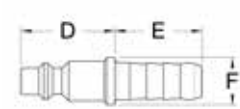


Figure 8

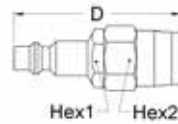


Figure 9

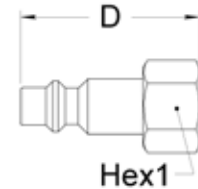


Figure 10

## Plug (Male)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions			Hex1	Hex2	D	E	F	Hex1	Hex2	Weight	
						D	E	F								(in)	(in)
GA0066318		1/8	1/8-28	Male BSPT	6	1.26	0.35	-	0.47	-	32	9	-	12	-	0.04	19
GA0066314		1/4	1/4-19	Male BSPT	6	1.26	0.51	-	0.55	-	32	13	-	14	-	0.06	25
10		1/4	1/4-18	Male NPT	6	1.22	0.55	-	0.59	-	31	14	-	15	-	0.06	25
GA0066338		3/8	3/8-19	Male BSPT	6	1.26	0.59	-	0.67	-	32	15	-	17	-	0.08	38
GA0066345		M14	M14x1,25	Male Metric	6	1.26	0.51	-	0.55	-	32	13	-	14	-	0.06	26
GA0066214		1/4	1/4-19	Female BSPP	7	1.73	-	-	0.67	-	44	-	-	17	-	0.07	30
11		1/4	1/4-18	Female NPT	7	1.63	-	-	0.71	-	41.5	-	-	18	-	0.07	30
GA0066238		3/8	3/8-19	Female BSPP	7	1.73	-	-	0.83	-	44	-	-	21	-	0.08	37
GA0066245		M14	M14x1,25	Female Metric	7	1.73	-	-	0.67	-	44	-	-	17	-	0.06	25
GA0066248	1/4	-	M14x1,25	Female Metric	7	1.73	-	-	0.55	-	44	-	-	14	-	0.05	24
GA0066767		-	6 mm	Hose Tail	8	1.10	1.02	0.55	-	-	28	26	14	-	-	0.04	19
GA0066778		-	7 mm	Hose Tail	8	1.10	1.02	0.55	-	-	28	26	14	-	-	0.04	20
GA0066789		-	8 mm	Hose Tail	8	1.10	1.02	0.55	-	-	28	26	14	-	-	0.04	20
GA0066790		-	9 mm	Hose Tail	8	1.10	1.02	0.55	-	-	28	26	14	-	-	0.04	20
GA0066701		-	10 mm	Hose Tail	8	1.10	1.02	0.55	-	-	28	26	14	-	-	0.05	22
GA0066174		-	7x14 mm	Reusable Hose Fit.	9	2.22	-	-	0.63	0.75	56.5	-	-	16	19	0.12	56
GA0066184		-	8x14 mm	Reusable Hose Fit.	9	2.22	-	-	0.63	0.75	56.5	-	-	16	19	0.13	57
GA0066185		-	8x15 mm	Reusable Hose Fit.	9	2.22	-	-	0.63	0.75	56.5	-	-	16	19	0.12	53
GA0066196		-	9x16 mm	Reusable Hose Fit.	9	2.22	-	-	0.63	0.75	56.5	-	-	16	19	0.11	51
GA0066814		1/4	1/4-19	Female BSPP Swivel	10	1.50	-	-	0.67	-	38	-	-	17	-	0.06	26
GA0066845		M14	M14x1,25	Female Metric Swivel	10	1.50	-	-	0.67	-	38	-	-	17	-	0.06	26

To obtain connected length of coupling add dimensions A or A+C (Fig. 1, 2, 3, 4, 5) and D or D+E (Fig. 6, 7, 8, 9, 10) together and subtract 20 mm (0.79 in.)

\*Alternative end connections available upon request.

FLUID TRANSFER  
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PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

# G700 Series European Profile



Eaton Gromelle™ G700 Series is a single shut-off compressed air coupling with a European profile. Nominal diameter is 7.2/7.4 mm. This coupling offers an excellent flow capacity and is used in compressed air applications.

## Product Features

- Automatic sleeve for one-hand push-to-connect operation with ball-locking mechanism
- Single shut-off valving
- Easy to connect
- Shock resistant ergonomic sleeve
- Standard body material (Socket): Nickel plated brass
- Standard body material (Plug): Zinc trivalent-plated steel
- Standard seal material: NBR

## Physical Characteristics

Body Size	Nominal Flow Diameter (mm)	Max. Operating Pressure		Air Flow Rate*			Working Temperature		
		(bar)	(psi)	$\Delta p$ 0.6 bar/8.7 psi** (lpm)	(gpm)	$\Delta p$ 1 bar/14.5 psi*** (lpm)	(gpm)	°C	°F
1/4	7.3	20	290	1,550	410	1,960	520	-20° +100°	-4° +212°

\*Indicated values refer to an inlet pressure of 6 bar / 87 psi.

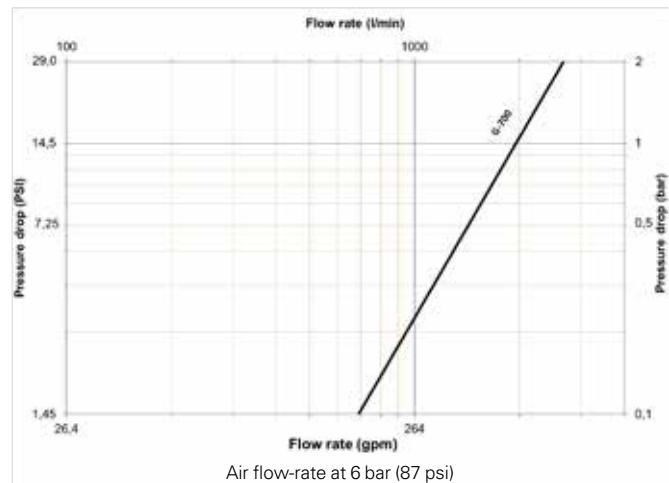
\*\*This flow rate allows the optimum output from a pneumatic tool.

\*\*\*This flow rate is the maximum recommended for a suitable output from a pneumatic tool. For applications needing higher flow rates, it is recommended to select a larger size coupling.

## Applications & Markets

- Compressed Air
- Pneumatic Tools

## Flow Data





# G700 Series European Profile

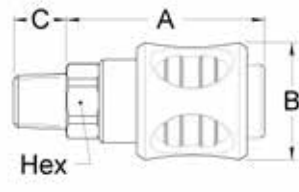


Figure 1

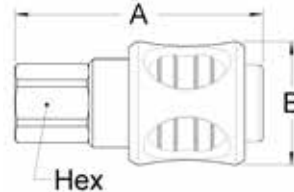


Figure 2

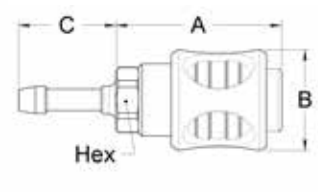


Figure 3

## Sockets (Female)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions				Hex A (mm)	Hex B (mm)	Hex C (mm)	Hex (mm)	Weight	
						A (in)	B (in)	C (in)	Hex (in)					lbs	g
GL0073614		1/4	1/4-19	Male BSPT	1	1.93	1.14	0.51	1	49	29	13	17	0.22	101
GL0073638		3/8	3/8-19	Male BSPT	1	1.93	1.14	0.57	1	49	29	14.5	17	0.24	110
GL0073612		1/2	1/2-14	Male BSPT	1	1.89	1.14	0.67	1	48	29	17	22	0.27	124
GL0072614	1/4	1/4	1/4-19	Female BSPP	2	2.30	1.14	-	0.7	58.5	29	-	17	0.22	102
GL0072638		3/8	3/8-19	Female BSPP	2	2.42	1.14	-	0.7	61.5	29	-	17	0.26	120
GL0072612		1/2	1/2-14	Female BSPP	2	2.58	1.14	-	0.9	65.5	29	-	22	0.22	100
GL0075667		-	6 mm	Hose Tail	3	1.87	1.14	1.10	-	47.5	29	28	-	0.22	98
GL0075689		-	8 mm	Hose Tail	3	1.87	1.14	1.10	-	47.5	29	28	-	0.22	100
GL0075601		-	10 mm	Hose Tail	3	1.87	1.14	1.10	-	47.5	29	28	-	0.22	100
GL0075613		-	13 mm	Hose Tail	3	1.87	1.14	1.30	-	47.5	29	33	-	0.22	100

\*Alternative end connections available upon request.

To obtain connected length of coupling add dimensions A or A+C (Fig. 1, 2, 3) and D or D+E (Fig. 4, 5, 6) together and subtract 19 mm (0.75 in.).

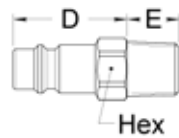


Figure 4

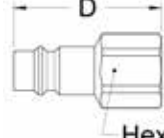


Figure 5

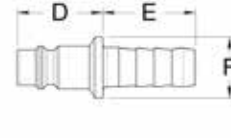


Figure 6

## Plugs (Male)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions			Hex (in)	Hex D (mm)	Hex E (mm)	Hex F (mm)	Hex (mm)	Weight	
						D (in)	E (in)	F (in)						lbs	g
GA0076314		1/4	1/4-19	Male BSPT	4	1.11	0.51	-	0.55	28.3	13	-	14	0.05	26
GA0076338		3/8	3/8-19	Male BSPT	4	1.11	0.57	-	0.67	28.3	14.5	-	17	0.08	35
GA0076312		1/2	1/2-14	Male BSPT	4	1.18	0.67	-	0.91	30	17	-	23	0.13	59
GA0076214	1/4	1/4	1/4-19	Female BSPP	5	1.46	-	-	0.67	37	-	-	17	0.06	26
GA0076238		3/8	3/8-19	Female BSPP	5	1.54	-	-	0.83	39	-	-	21	0.08	36
GA0076212		1/2	1/2-14	Female BSPP	5	1.77	-	-	1.02	45	-	-	26	0.14	58
GA0076767		-	6 mm	Hose Tail	6	0.80	1.02	0.47	-	20.3	26	12	-	0.03	14
GA0076789		-	8 mm	Hose Tail	6	0.80	1.02	0.47	-	20.3	26	12	-	0.03	15
GA0076701		-	10 mm	Hose Tail	6	0.94	1.02	0.67	-	24	26	17	-	0.05	23
GA0076713		-	13 mm	Hose Tail	6	0.94	1.02	0.71	-	24	26	18	-	0.06	27

\*Alternative end connections available upon request.

To obtain connected length of coupling add dimensions A or A+C (Fig. 1, 2, 3) and D or D+E (Fig. 4, 5, 6) together and subtract 19 mm (0.75 in.).

FLUID TRANSFER  
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# I900 Series ISO 6150 B Interchange

FLUID TRANSFER  
AND HYDRAULIC

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT



Eaton Gromelle™ I900 Series is a single shut-off compressed air coupling that interchanges with ISO 6150 B and US A-A-59439 Standards requirements. Nominal diameter is 8 mm.

## Product Features

- Automatic sleeve for one-hand push-to-connect operation with ball-locking mechanism
- Single shut-off valving
- Excellent flow capacity
- Easy to connect
- Standard body material (Socket): Nickel plated brass
- Standard body material (Plug): Zinc trivalent plated steel
- Standard seal material: NBR

## Physical Characteristics

Body Size (in)	Nominal Flow Diameter (mm)	Max. Operating Pressure		Air Flow Rate*			Working Temperature		
		(bar)	(psi)	$\Delta p$ 0.6 bar/8.7 psi**	$\Delta p$ 1 bar/14.5 psi***	(lpm)	(gpm)	(lpm)	(gpm)
3/8	8	20	290	2,200	580	2,700	710	-20° +100°	-4° +212°

\*Indicated values refer to an inlet pressure of 6 bar/87 psi.

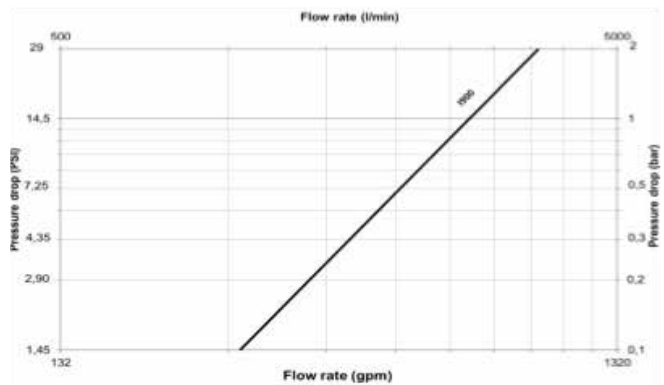
\*\*This flow rate allows the optimum output from a pneumatic tool.

\*\*\*This flow rate is the maximum recommended for a suitable output from a pneumatic tool. For applications needing higher flow rates, it is recommended to select a larger size coupling.

## Applications & Markets

- Compressed Air
- Pneumatic Tools

## Flow Data



Air flow-rate at 6 bar (87 psi)

# 1900 Series ISO 6150 B Interchange

FLUID TRANSFER  
AND HYDRAULIC

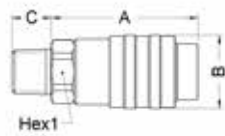


Figure 1

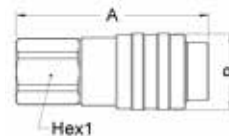


Figure 2

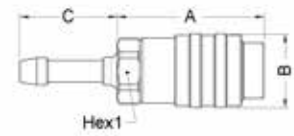


Figure 3

## Sockets (Female)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions						Weight			
						A	B	C	Hex1 A	B	C	Hex1		lbs	g
IL0096014		1/4	1/4-19	Male BSPT	1	2.16	1.09	0.51	0.87	55	27.7	13	22	0.30	135
IL0096038		3/8	3/8-19	Male BSPT	1	2.16	1.09	0.59	0.87	55	27.7	15	22	0.31	139
IL0096012		1/2	1/2-14	Male BSPT	1	2.16	1.09	0.67	0.87	55	27.7	17	22	0.34	152
IL0097014	3/8	1/4	1/4-19	Female BSPP	2	2.64	1.09	-	0.87	67	27.7	-	22	0.34	153
IL0097038		3/8	3/8-19	Female BSPP	2	2.76	1.09	-	0.87	70	27.7	-	22	0.35	157
IL0097012		1/2	1/2-14	Female BSPP	2	2.87	1.09	-	1.06	73	27.7	-	27	0.41	187
IL0095689		-	8 mm	Hose Tail	3	2.20	1.09	1.10	0.87	56	27.7	28	22	0.30	135
IL0095690		-	9 mm	Hose Tail	3	2.20	1.09	1.10	0.87	56	27.7	28	22	0.30	138
IL0095601		-	10 mm	Hose Tail	3	2.20	1.09	1.10	0.87	56	27.7	28	22	0.31	139

To obtain connected length of coupling add dimensions A or A+C (Fig. 1, 2, 3) and D or D+E (Fig. 4, 5, 6) together and subtract 25,6 mm (1 in.)

\*Alternative end connections available upon request.

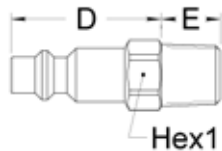


Figure 4

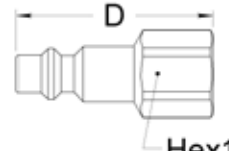


Figure 5

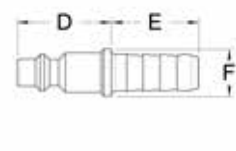


Figure 6

## Plugs (Male)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions			Hex1			Weight			
						D	E	F	D	E	F	Hex1		lbs	g
IA0090614		1/4	1/4-19	Male BSPT	4	1.34	0.51	-	0.63	34	13	-	16	0.07	32
IA0090638		3/8	3/8-19	Male BSPT	4	1.42	0.59	-	0.67	36	15	-	17	0.09	41
IA0090612		1/2	1/2-14	Male BSPT	4	1.57	0.67	-	0.91	40	17	-	23	0.12	56
IA0090714	3/8	1/4	1/4-19	Female BSPP	5	1.97	-	-	0.67	50	-	-	17	0.08	38
IA0090738		3/8	3/8-19	Female BSPP	5	1.97	-	-	0.83	50	-	-	21	0.11	49
IA0090712		1/2	1/2-14	Female BSPP	5	2.09	-	-	1.02	53	-	-	26	0.15	69
IA0090978		-	7 mm	Hose Tail	6	1.30	1.02	0.63	-	33	26	16	-	0.07	30
IA0090989		-	8 mm	Hose Tail	6	1.30	1.02	0.63	-	33	26	16	-	0.07	30
IA0090990		-	9 mm	Hose Tail	6	1.30	1.02	0.63	-	33	26	16	-	0.07	31
IA0090901		-	10 mm	Hose Tail	6	1.30	1.02	0.63	-	33	26	16	-	0.07	32
IA0090912		-	12 mm	Hose Tail	6	1.30	1.22	0.63	-	33	31	16	-	0.08	38

To obtain connected length of coupling add dimensions A or A+C (Fig. 1, 2, 3) and D or D+E (Fig. 4, 5, 6) together and subtract 25,6 mm (1 in.)

\*Alternative end connections available upon request.

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

# I1000 Series European Profile



Eaton Gromelle™ I1000 Series is a single shut-off compressed air coupling with a European profile. This coupling offers excellent flow capacity and is used in many compressed air applications.

## Product Features

- Automatic sleeve for one-hand push-to-connect operation with ball-locking mechanism
- Single shut-off valving
- Excellent flow capacity
- Easy to connect
- Standard body material (Socket): Nickel plated brass
- Standard body material (Plug): Zinc trivalent plated steel
- Standard seal material: NBR

## Physical Characteristics

Body Size (in)	Nominal Flow Diameter (mm)	Max. Operating Pressure		Air Flow Rate*		Δp 1 bar/14.5 psi***		Working Temperature	
		(bar)	(psi)	(lpm)	(gpm)	(lpm)	(gpm)	°C	°F
3/8	10.3	20	290	3,000	790	3,700	980	-20° +100°	-4° +212°

\*Indicated values refer to an inlet pressure of 6 bar / 87 psi.

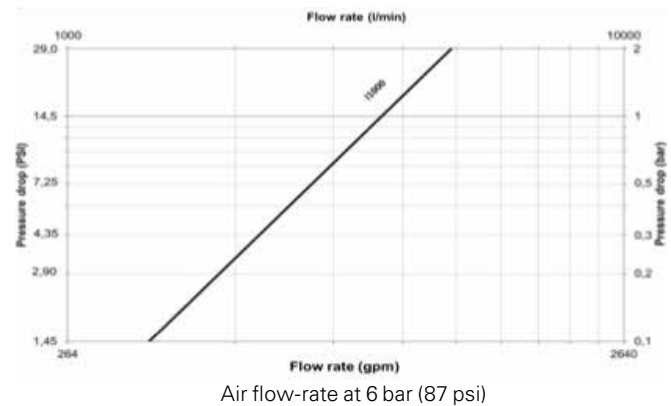
\*\*This flow rate allows the optimum output from a pneumatic tool.

\*\*\*This flow rate is the maximum recommended for a suitable output from a pneumatic tool. For applications needing higher flow rates, it is recommended to select a larger size coupling.

## Applications & Markets

- Compressed Air
- Pneumatic Tools

## Flow Data



# I1000 Series European Profile

FLUID TRANSFER  
AND HYDRAULIC

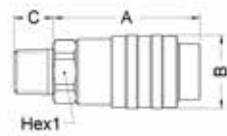


Figure 1

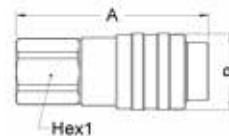


Figure 2

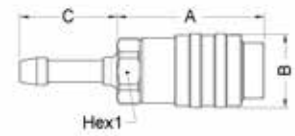


Figure 3

## Sockets (Female)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Dimensions Fig.	Dimensions							Weight		
						A	B	C	Hex1 A	B	C	Hex1	Weight		
						(in)	(in)	(in)	(in)	(mm)	(mm)	(mm)	(mm)	lbs	g
IL0106014		1/4	1/4-19	Male BSPT	1	2.16	1.09	0.51	0.87	53	27.7	13	22	0.29	130
IL0106038		3/8	3/8-19	Male BSPT	1	2.16	1.09	0.59	0.87	53	27.7	15	22	0.30	134
IL0106012		1/2	1/2-14	Male BSPT	1	2.16	1.09	0.67	0.87	53	27.7	17	22	0.32	147
IL0107014	3/8	1/4	1/4-19	Female BSPP	2	2.64	1.09	-	0.87	65	27.7	-	22	0.33	148
IL0107038		3/8	3/8-19	Female BSPP	2	2.76	1.09	-	0.87	68	27.7	-	22	0.32	145
IL0107012		1/2	1/2-14	Female BSPP	2	2.87	1.09	-	1.06	71	27.7	-	27	0.40	182
IL0105689		-	8 mm	Hose Tail	3	2.20	1.09	1.10	0.87	54	27.7	28	22	0.29	130
IL0105690		-	9 mm	Hose Tail	3	2.20	1.09	1.10	0.87	54	27.7	28	22	0.29	133
IL0105601		-	10 mm	Hose Tail	3	2.20	1.09	1.10	0.87	54	27.7	28	22	0.30	134

To obtain connected length of coupling add dimensions A or A+C (Fig. 1, 2, 3) and D or D+E (Fig. 4, 5, 6) together and subtract 19,8 mm (0,78 in.)

\*Alternative end connections available upon request.

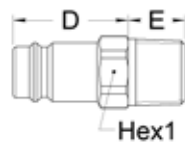


Figure 4

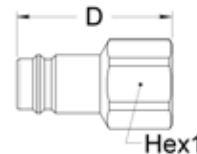


Figure 5

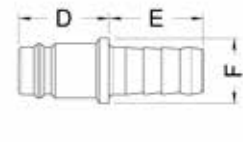


Figure 6

## Plugs (Male)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Dimensions Fig.	Dimensions			Hex1			Weight			
						D	E	F	D	E	F	Hex1	Weight		
						(in)	(in)	(in)	(in)	(mm)	(mm)	(mm)	(mm)	lbs	g
IA0100638		3/8	3/8-19	Male BSPT	4	1.16	0.57	-	0.67	29.5	14.5	-	17	0.08	38
IA0100612		1/2	1/2-14	Male BSPT	4	1.30	0.67	-	0.87	33	17	-	22	0.12	56
IA0100738		3/8	3/8-19	Female BSPP	5	1.57	-	-	0.83	40	-	-	21	0.09	41
IA0100712	3/8	1/2	1/2-14	Female BSPP	5	1.77	-	-	1.06	45	-	-	27	0.16	74
IA0100990		-	9 mm	Hose Tail	6	0.85	1.02	0.59	-	21.5	26	15	-	0.04	20
IA0100901		-	10 mm	Hose Tail	6	0.85	1.02	0.59	-	21.5	26	15	-	0.05	21
IA0100912		-	12 mm	Hose Tail	6	0.98	1.02	0.71	-	25	26	18	-	0.06	26

To obtain connected length of coupling add dimensions A or A+C (Fig. 1, 2, 3) and D or D+E (Fig. 4, 5, 6) together and subtract 19,8 mm (0,78 in.)

\*Alternative end connections available upon request.

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

# T1100 Series ISO 6150 B Interchange



Eaton Gromelle™ T1100 Series is a single shut-off compressed air coupling that interchanges with ISO 6150 B and US A-A-59439 Standards requirements. This coupling offers excellent flow capacity and is used in many compressed air applications.

## Product Features

- Automatic sleeve for one-hand push-to-connect operation with ball-locking mechanism
- Single shut-off valving
- Excellent flow capacity
- Easy to connect
- Standard body material (Socket): Nickel plated brass
- Standard body material (Plug): Zinc trivalent plated steel
- Standard seal material: NBR

## Physical Characteristics

Body Size (in)	Nominal Flow Diameter (mm)	Max. Operating Pressure		Air Flow Rate*			Working Temperature		
		(bar)	(psi)	$\Delta p$ 0.6 bar/8.7 psi**	$\Delta p$ 1 bar/14.5 psi***	(lpm)	(gpm)	(lpm)	(gpm)
1/2	11	20	290	3,450	910	4,300	1,130	-20° +100°	-4° +212°

\*Indicated values refer to an inlet pressure of 6 bar/87 psi.

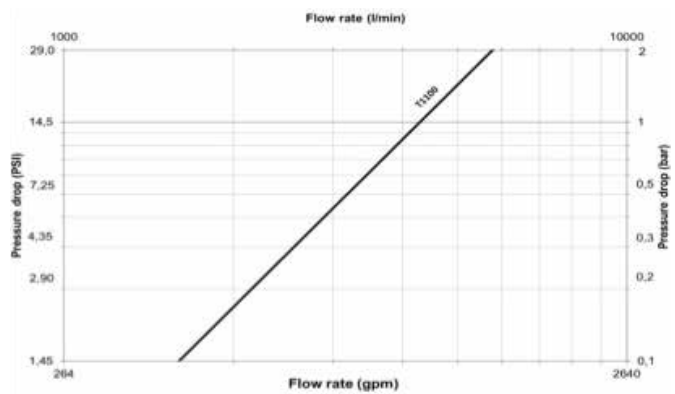
\*\*This flow rate allows the optimum output from a pneumatic tool.

\*\*\*This flow rate is the maximum recommended for a suitable output from a pneumatic tool. For applications needing higher flow rates, it is recommended to select a larger size coupling.

## Applications & Markets

- Compressed Air
- Pneumatic Tools

## Flow Data



# T1100 Series

## ISO 6150 B Interchange

FLUID TRANSFER  
AND HYDRAULIC

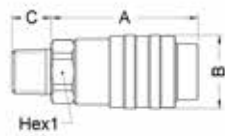


Figure 1

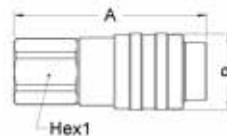


Figure 2

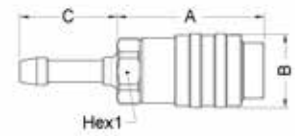


Figure 3

### Sockets (Female)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Dimensions Fig.	Dimensions			Hex1			Weight			
						A	B	C	A	B	C	Hex1	Weight		
						(in)	(in)	(in)	(in)	(mm)	(mm)	(mm)	(mm)	lbs	g
TL0112038		3/8	3/8-19	Male BSPT	1	2.80	1.32	0.59	1.06	71	33.6	15	27	0.58	265
TL0112012		1/2	1/2-14	Male BSPT	1	2.80	1.32	0.67	1.06	71	33.6	17.0	27	0.60	270
TL0112034		3/4	3/4-14	Male BSPT	1	2.80	1.32	0.73	1.14	71	33.6	18.5	29	0.63	288
TL0112138		3/8	3/8-19	Female BSPP	2	3.29	1.32	-	1.06	83.5	33.6	-	27	0.63	286
TL0112112	1/2	1/2	1/2-14	Female BSPP	2	3.29	1.32	-	1.06	83.5	33.6	-	27	0.59	266
TL0112134		3/4	3/4-14	Female BSPP	2	3.52	1.32	-	1.26	89.5	33.6	-	32	0.69	312
TL0115601		-	10 mm	Hose Tail	3	2.85	1.32	1.10	1.06	72.5	33.6	28	27	0.58	264
TL0115613		-	13 mm	Hose Tail	3	2.85	1.32	1.30	1.06	72.5	33.6	33	27	0.60	274
TL0115616		-	16 mm	Hose Tail	3	2.85	1.32	1.30	1.06	72.5	33.6	33	27	0.62	279

To obtain connected length of coupling add dimensions A or A+C (Fig. 1, 2, 3) and D or D+E (Fig. 4, 5, 6) together and subtract 34 mm ( 1,34 in.)

\*Alternative end connections available upon request.

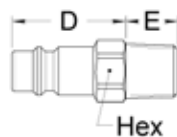


Figure 4

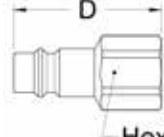


Figure 5

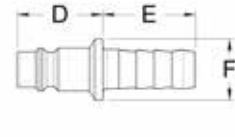


Figure 6

### Plugs (Male)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Dimensions Fig.	Dimensions			Hex1			Weight			
						D	E	F	D	E	F	Hex1	Weight		
						(in)	(in)	(in)	(in)	(mm)	(mm)	(mm)	(mm)	lbs	g
TA0111538		3/8	3/8-19	Male BSPT	4	1.71	0.57	-	0.67	43.5	14.5	-	17	0.11	51
TA0111512		1/2	1/2-14	Male BSPT	4	1.81	0.67	-	0.87	46	17	-	22	0.15	70
TA0111638		3/8	3/8-19	Female BSPP	5	2.09	-	-	0.83	53	-	-	21	0.12	55
TA0111612	1/2	1/2	1/2-14	Female BSPP	5	2.28	-	-	1.06	58	-	-	27	0.19	88
TA0111813		-	13 mm	Hose Tail	6	1.54	1.02	0.75	-	39	26	19	-	0.09	43
TA0111816		-	16 mm	Hose Tail	6	1.54	1.02	0.87	-	39	26	22	-	0.10	47
TA0111819		-	19 mm	Hose Tail	6	1.54	1.02	0.98	-	39	26	25	-	0.11	51

To obtain connected length of coupling add dimensions A or A+C (Fig. 1, 2, 3) and D or D+E (Fig. 4, 5, 6) together and subtract 34 mm ( 1,34 in.)

\*Alternative end connections available upon request.

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

# T1300 Series Proprietary Profile



Eaton Gromelle™ T1300 Series is a proprietary profile single shut-off compressed air coupling. This coupling offers excellent flow capacity and is used in high flow compressed air applications.

## Product Features

- Automatic sleeve for one-hand push-to-connect operation with ball-locking mechanism
- Single shut-off valving
- Excellent flow capacity
- Easy to connect
- Standard body material (Socket): Nickel plated brass
- Standard body material (Plug): Zinc trivalent plated steel
- Standard seal material: NBR

## Physical Characteristics

Body Size (in)	Nominal Flow Diameter (mm)	Max. Operating Pressure		Air Flow Rate*		Working Temperature			
		(bar)	(psi)	$\Delta p$ 0.6 bar/8.7 psi** (lpm)	(gpm)	$\Delta p$ 1 bar/14.5 psi*** (lpm)	(gpm)	°C	°F
1/2	12	20	290	3,800	1,000	4,600	1,210	-20° +100°	-4° +212°

\*Indicated values refer to an inlet pressure of 6 bar / 87 psi.

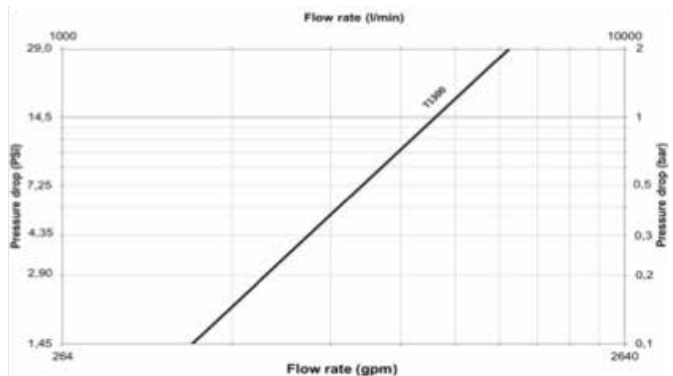
\*\*This flow rate allows the optimum output from a pneumatic tool.

\*\*\*This flow rate is the maximum recommended for a suitable output from a pneumatic tool. For applications needing higher flow rates, it is recommended to select a larger size coupling.

## Applications & Markets

- Compressed Air
- Pneumatic Tools

## Flow Data



Air flow-rate at 6 bar (87 psi)



# T1300 Series Proprietary Profile

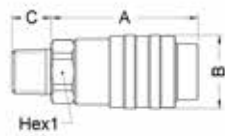


Figure 1

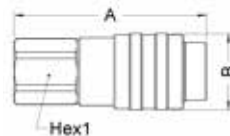


Figure 2

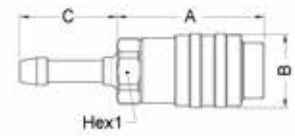


Figure 3

## Sockets (Female)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions			Hex1			Weight			
						A	B	C	A	B	C	Hex1	Weight		
						(in)	(in)	(in)	(in)	(mm)	(mm)	(mm)	(mm)	lbs	g
TL0132038		3/8	3/8-19	Male BSPT	1	2.74	1.32	0.59	1.06	69.7	33.6	15	27	0.54	247
TL0132012		1/2	1/2-14	Male BSPT	1	2.74	1.32	0.67	1.06	69.7	33.6	17.0	27	0.56	255
TL0132034		3/4	3/4-14	Male BSPT	1	2.74	1.32	0.73	1.14	69.7	33.6	18.5	29	0.62	279
TL0132138	1/2	3/8	3/8-19	Female BSPP	2	3.24	1.32	-	1.06	82.2	33.6	-	27	0.60	272
TL0132112		1/2	1/2-14	Female BSPP	2	3.24	1.32	-	1.06	82.2	33.6	-	27	0.60	270
TL0132134		3/4	3/4-14	Female BSPP	2	3.47	1.32	-	1.26	88.2	33.6	-	32	0.65	295
TL0135601		-	10 mm	Hose Tail	3	2.80	1.32	1.10	1.06	71.2	33.6	28	27	0.55	249
TL0135613		-	13 mm	Hose Tail	3	2.80	1.32	1.30	1.06	71.2	33.6	33	27	0.57	259
TL0135616		-	16 mm	Hose Tail	3	2.80	1.32	1.30	1.06	71.2	33.6	33	27	0.58	264

To obtain connected length of coupling add dimensions A or A+C (Fig. 1, 2, 3) and D or D+E (Fig. 4, 5, 6) together and subtract 32,5 mm ( 1,28 in.)

\*Alternative end connections available upon request.

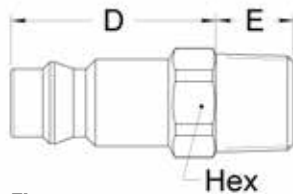


Figure 4

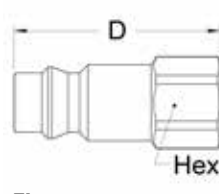


Figure 5

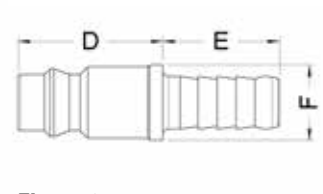


Figure 6

## Plugs (Male)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions			Hex1			Weight			
						D	E	F	D	E	F	Hex1	Weight		
						(in)	(in)	(in)	(in)	(mm)	(mm)	(mm)	(mm)	lbs	g
TA0131538		3/8	3/8-19	Male BSPT	4	1.75	0.59	-	0.83	44.5	15	-	21	0.14	65
TA0131512		1/2	1/2-14	Male BSPT	4	1.83	0.67	-	0.87	46.5	17	-	22	0.19	85
TA0131638		3/8	3/8-19	Female BSPP	5	2.17	-	-	0.83	55	-	-	21	0.14	65
TA0131612	1/2	1/2	1/2-14	Female BSPP	5	2.48	-	-	1.02	63	-	-	26	0.21	95
TA0131813		-	13 mm	Hose Tail	6	1.52	1.22	0.79	-	38.5	31	20	-	0.13	57
TA0131816		-	16 mm	Hose Tail	6	1.52	1.46	0.79	-	38.5	37	20	-	0.15	70
TA0131819		-	19 mm	Hose Tail	6	1.52	1.65	1.06	-	38.5	42	27	-	0.19	87

To obtain connected length of coupling add dimensions A or A+C (Fig. 1, 2, 3) and D or D+E (Fig. 4, 5, 6) together and subtract 32,5 mm ( 1,28 in.)

\*Alternative end connections available upon request.

FLUID TRANSFER  
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