

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)	Δp 0.6 bar/8.7 psi**	(lpm)	(gpm)	Δp 1 bar/14.5 psi***	(lpm)	(gpm)
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.

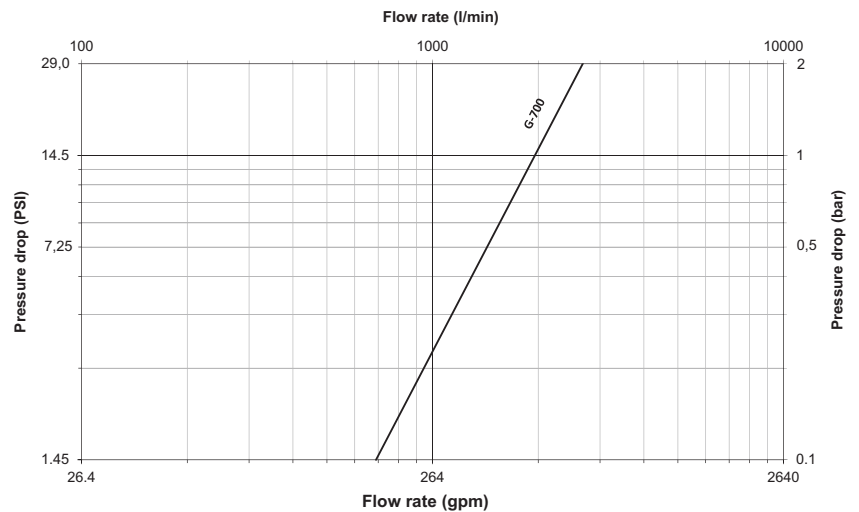
**This flow rate allows the optimum output from a pneumatic tool.

***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



Air flow-rate at 6 bar (87 psi)

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FLUID TRANSFER
AND HYDRAULIC

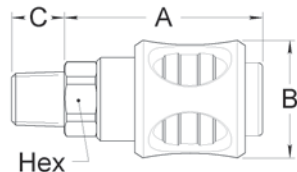


Figure 1

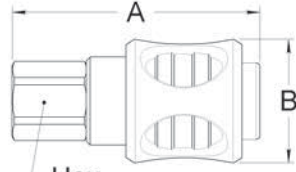


Figure 2

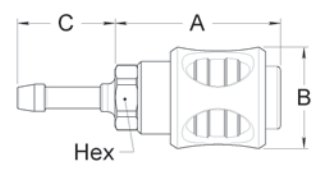


Figure 3

Sockets (Female)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions									
						A (in)	B (in)	C (in)	Hex (in)	A (mm)	B (mm)	C (mm)	Hex (mm)	Weight (lbs)	Weight (g)
GL0073614	1/4	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	1/4-19	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.).

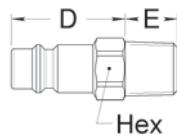


Figure 4

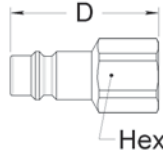


Figure 5



Figure 6

Plugs (Male)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions									
						D (in)	E (in)	F (in)	Hex (in)	D (mm)	E (mm)	F (mm)	Hex (mm)	Weight (lbs)	Weight (g)
GA0076314	1/4	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	1/4-19	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.

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