

Safeline Series

ISO 6150 B GD10500 Safety-Type Quick-Release



Gromelle'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

Body Size	Nominal Flow Diameter (mm)	Max. Operating Pressure Connected or Disconnected		Air Flow Rate* Δp 0.6 bar/8.7 psi**		Δp 1 bar/14.5 psi***		Working Temperature	
		(bar)	(psi)	(lpm)	(gpm)	(lpm)	(gpm)	°C	°F
1/4	5.5	16	232	525	139	660	174	-20° +100°	-4° +212°

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

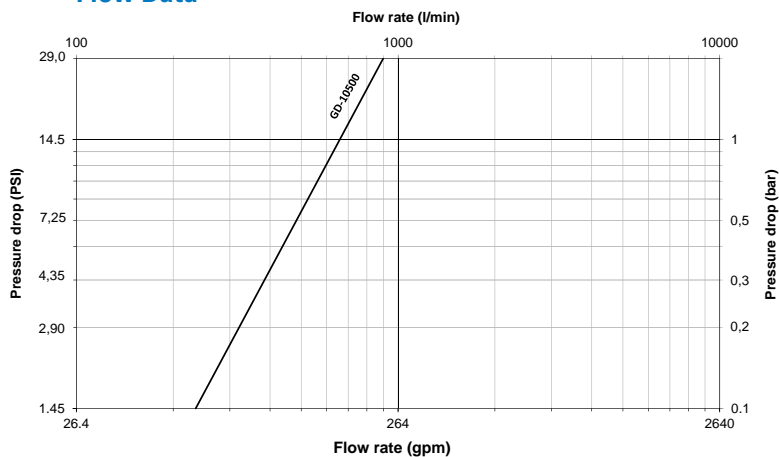
**This flow rate allows the optimum output from a pneumatic tool.

*** 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

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

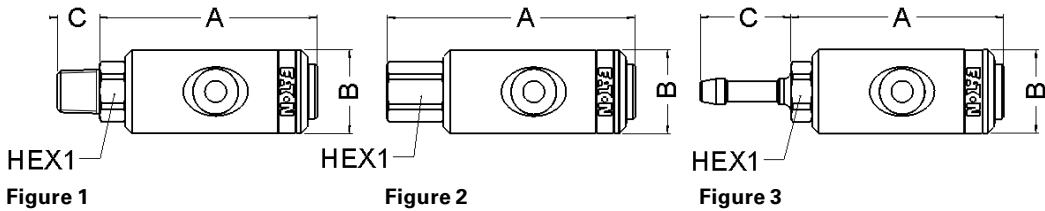
Flow Data



Air flow-rate at 6 bar (87 psi)

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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 Weight		
						A (in)	B (in)	C (in)						(mm)	(lbs)	(g)
GD1053615		¼	¼	Male BSPP	1	2.57	1.02	0.47	0.75		65.3	26.0	12.0	19	0.24	110
GD1053614		¼	¼	Male BSPT	1	2.65	1.02	0.51	0.67		67.3	26.0	13.0	17	0.24	109
GD1053641		¼	¼	Male NPT	1	2.65	1.02	0.59	0.67		67.2	26.0	15.1	17	0.24	110
GD1053639		¾	¾	Male BSPP	1	2.61	1.02	0.47	0.87		66.3	26.0	12.0	22	0.27	124
GD1053638		¾	¾	Male BSPT	1	2.65	1.02	0.57	0.67		67.3	26.0	14.5	17	0.26	117
GD1053683		¾	¾	Male NPT	1	2.62	1.02	0.60	0.75		66.5	26.0	15.3	19	0.27	121
GD1053613		½	½	Male BSPP	1	2.69	1.02	0.55	1.06		68.3	26.0	14.0	27	0.33	148
GD1053612		½	½	Male BSPT	1	2.61	1.02	0.67	0.87		66.3	26.0	17.0	22	0.34	156
GD1053621		½	½	Male NPT	1	2.61	1.02	0.79	0.87		66.3	26.0	20.0	22	0.30	137
GD1052614	¼	¼	¼	Female BSPP	2	2.33	1.02	0.00	0.67		76.8	26.0		17	0.24	109
GD1052641		¼	¼	Female NPT	2	2.33	1.02	0.00	0.67		76.3	26.0		17	0.24	109
GD1052638		¾	¾	Female BSPP	2	3.14	1.02	0.00	0.87		79.8	26.0		22	0.29	132
GD1052683		¾	¾	Female NPT	2	3.08	1.02	0.00	0.87		78.3	26.0		22	0.29	132
GD1052612		½	½	Female BSPP	2	3.30	1.02	0.00	1.06		83.8	26.0		27	0.34	155
GD1052621		½	½	Female NPT	2	3.24	1.02	0.00	1.06		82.3	26.0		27	0.35	157
GD1055667		-	6 mm	Reusable Hose Fit.	3	2.59	1.02	1.10	0.67		65.8	26.0	28.0	17	0.23	106
GD1055678		-	7 mm	Reusable Hose Fit.	3	2.57	1.02	1.10	0.67		65.8	26.0	28.0	17	0.24	107
GD1055689		-	8 mm	Reusable Hose Fit.	3	2.33	1.02	1.10	0.67		65.8	26.0	28.0	17	0.24	107
GD1055690		-	9 mm	Reusable Hose Fit.	3	2.33	1.02	1.10	0.67		65.8	26.0	28.0	17	0.24	108
GD1055601		-	10 mm	Reusable Hose Fit.	3	2.33	1.02	1.10	0.67		65.8	26.0	28.0	17	0.25	112

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, 7, 8) together and subtract 23 mm (0,91 in).

*Alternative end connections available upon request.

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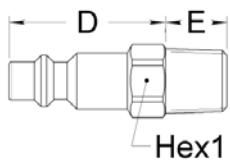


Figure 4

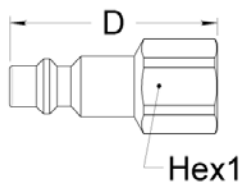


Figure 5

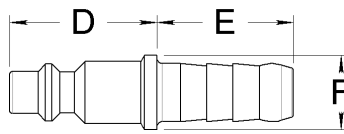


Figure 6

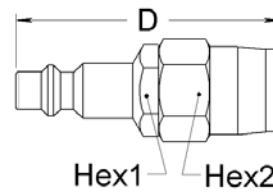


Figure 7

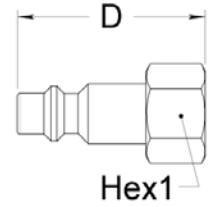


Figure 8

Plugs (Male)

Part Number	Body Size	Port Size	Thread or Hose Diam.	Type	Fig.	Dimensions			Hex1 (in)	Hex2 (in)	D (mm)	E (mm)	F (mm)	Hex1 (mm)	Hex2 (mm)	Weight	
						D (in)	E (in)	F (in)								(lbs)	(g)
GA0066318	1/8	1/8	1/8-28	Male BSPT	4	1.260	0.354	0.472	32	9	12					0.04189	19
GA0066314	1/4	1/4	1/4-19	Male BSPT	4	1.260	0.512	0.551	32	13	14					0.06	25
10	1/4	1/4	1/4-18	Male NPT	4	1.220	0.551	0.591	31	14	15					0.06	25
GA0066338	3/8	3/8	3/8-19	Male BSPT	4	1.260	0.591	0.669	32	15	17					0.08	38
GA0066345	M14	M14	M14x125	Male Metric	4	1.260	0.512	0.551	32	13	14					0.06	26
GA0066214	1/4	1/4	1/4-19	Female BSPP	5	1.732		0.669	44		17					0.07	30
11	1/4	1/4	1/4-18	Female NPT	5	1.634		0.709	41.5		18					0.07	30
GA0066238	3/8	3/8	3/8-19	Female BSPP	5	1.732		0.827	44		21					0.08	37
GA0066245	M14	M14	M14x125	Female Metric	5	1.732		0.669	44		17					0.06	25
GA0066248	1/4	M14	M14x125	Female Metric	5	1.732		0.551	44		14					0.05	24
GA0066767	-	6mm		Hose Tail	6	1.102	1.024	0.551	28	26	14					0.04	19
GA0066778	-	7mm		Hose Tail	6	1.102	1.024	0.551	28	26	14					0.04	20
GA0066789	-	8mm		Hose Tail	6	1.102	1.024	0.551	28	26	14					0.04	20
GA0066790	-	9mm		Hose Tail	6	1.102	1.024	0.551	28	26	14					0.04	20
GA0066701	-	10mm		Hose Tail	6	1.102	1.024	0.551	28	26	14					0.05	22
GA0066174	-	7x14 mm		Reusable Hose Fit.	7	2.224		0.630	0.748	56.5				16	19	0.12	56
GA0066184	-	8x14 mm		Reusable Hose Fit.	7	2.224		0.630	0.748	56.5				16	19	0.13	57
GA0066185	-	8x15 mm		Reusable Hose Fit.	7	2.224		0.630	0.748	56.5				16	19	0.12	53
GA0066196	-	9x16 mm		Reusable Hose Fit.	7	2.224		0.630	0.748	56.5				16	19	0.11	51
GA0066814	1/4	1/4	1/4-19	Female BSPP Swivel	8	1.496		0.669	38		17					0.06	26
GA0066845	M14	M14	M14x125	Female Metric Swivel	8	1.496		0.669	38		17					0.06	26

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