

I900 Series

ISO 6150 B Interchange



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.

FLUID TRANSFER
AND HYDRAULIC

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

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	Nominal Flow Diameter	Max. Operating Pressure		Air Flow Rate*		Working Temperature	
(in)	(mm)	(bar)	(psi)	Δp 0.6 bar/8.7 psi**	Δp 1 bar/14.5 psi***	°C	°F
3/8	8	20	290	2,200	2,700	-20° +100°	-4° +212°

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

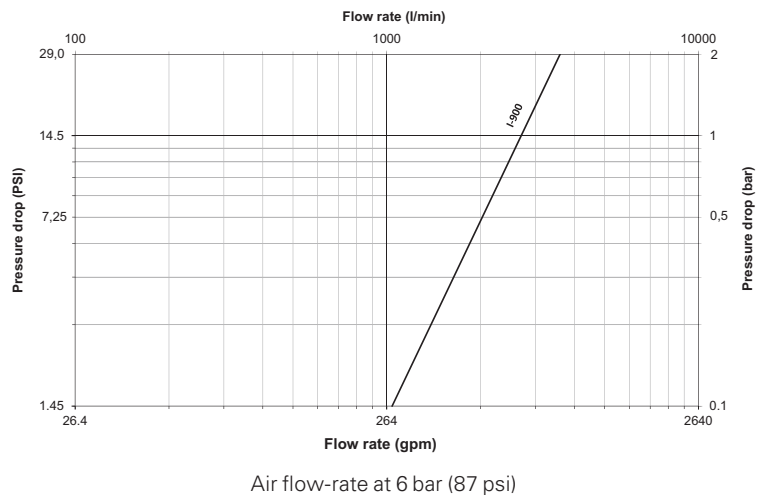
**This flow rate allows the optimum output from a pneumatic tool.

***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



1900 Series ISO 6150 B Interchange

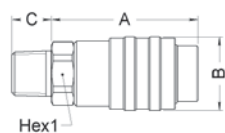


Figure 1

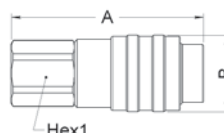


Figure 2

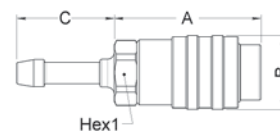


Figure 3

Sockets (Female)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions			Hex1	A	B	C	Hex1	Weight	
						A	B	C						(mm)	(mm)
IL0096014	3/8"	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		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.

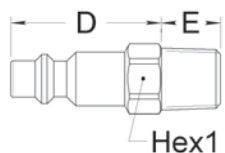


Figure 4

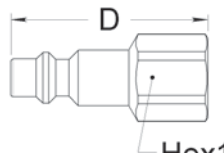


Figure 5

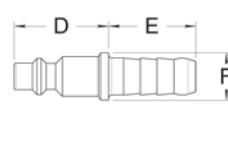


Figure 6

Plugs (Male)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions			Hex1	D	E	F	Hex1	Weight	
						D	E	F						(mm)	(mm)
IA0090614	3/8"	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		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	3/8"	-	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.

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