

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)	Δp 0.6 bar/8.7 psi** (lpm)	(gpm)	Δp 1 bar/14.5 psi*** (lpm)	(gpm)
1/2	11	20	290	3,450	910	4,300	1,130

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

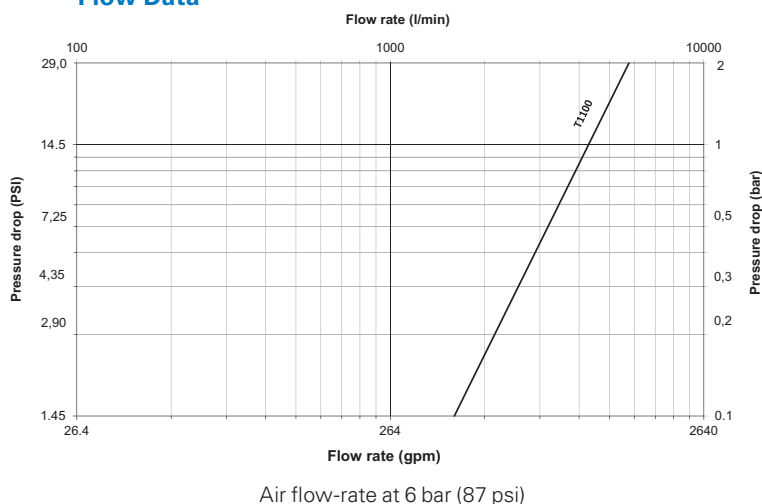
**This flow rate allows the optimum output from a pneumatic tool.

***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



FLUID TRANSFER
AND HYDRAULIC

PNEUMATIC

SPECIAL APPLICATIONS

DIAGNOSTIC

AGRICULTURE

REFRIGERANT

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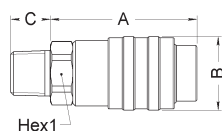


Figure 1

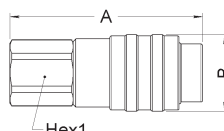


Figure 2

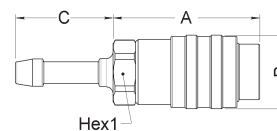


Figure 3

Sockets (Female)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions			Hex1	A	B	C	Hex1	Weight
						A	B	C						
						(in)	(in)	(in)	(in)	(mm)	(mm)	(mm)	(mm)	lbs g
TL0112038	1/2	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	1/2-14	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.

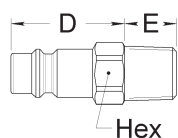


Figure 4

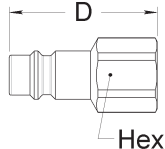


Figure 5

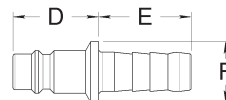


Figure 6

Plugs (Male)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions			Hex1	D	E	F	Hex1	Weight
						D	E	F						
						(in)	(in)	(in)	(in)	(mm)	(mm)	(mm)	(mm)	lbs g
TA0111538	1/2	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	1/2-14	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.