

# T1300 Series

## Proprietary Profile

Pneumatic application

Danfoss Hansen 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* Δp 0.6 bar/8.7 psi**		Δp 1 bar/14.5 psi***		Working Temperature	
		(bar)	(psi)	(lpm)	(gpm)	(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.

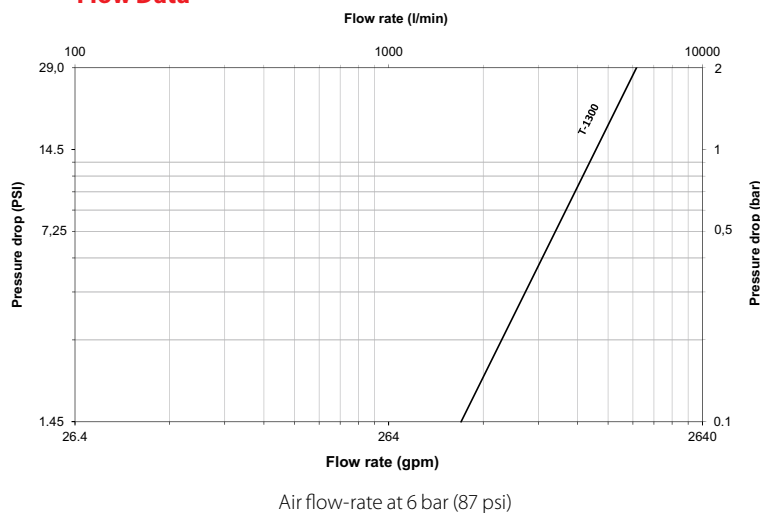
\*\*This flow rate allows the optimum output from a pneumatic tool.

\*\*\*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



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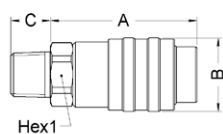


Figure 1

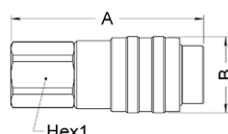


Figure 2

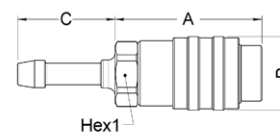


Figure 3

### Sockets (Female)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions									
						A	B	C	Hex1	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		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	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.

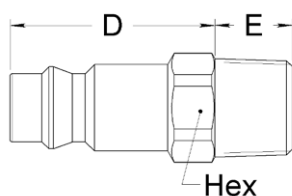


Figure 4

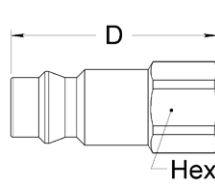


Figure 5

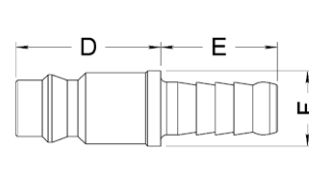


Figure 6

### Plugs (Male)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions									
						D	E	F	Hex1	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.