

# G600 Series

## ISO 6150 B Interchange

Pneumatic application



Danfoss Hansen G600 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 5.5 mm. Its new revamped design and the materials used make it a rugged and long-lasting coupling, offered in a wide selection of end connections. It is used in general pneumatic 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
- Shock-resistant ergonomic sleeve
- Standard body material (Socket): Nickel-plated brass
- Standard body material (Plug): Zinc trivalent-plated steel
- Standard seal material: NBR
- Option: Private labelling

### 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)	°C	°F
1/4	5.5	20	290	1,050	277	1,315	347	-20° +100°	-4° +212°

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

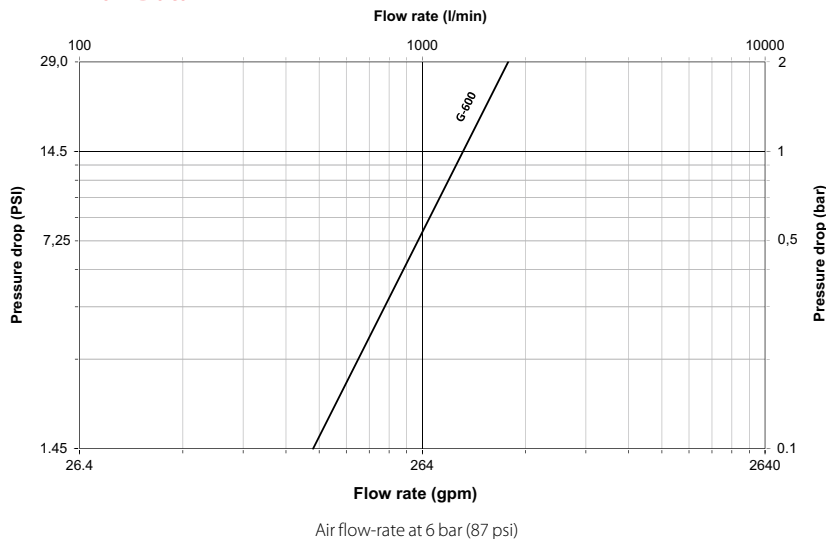
\*\*This flow rate allows the optimum output from a pneumatic tool.

\*\*\* 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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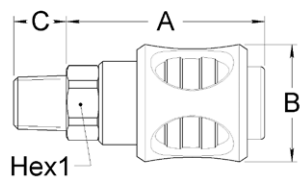


Figure 1

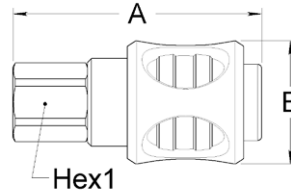


Figure 2

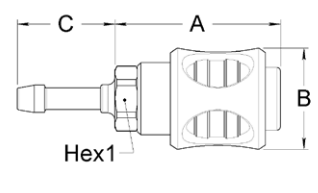


Figure 3

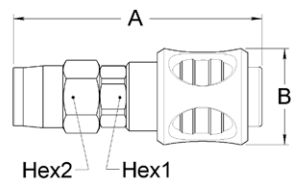


Figure 4

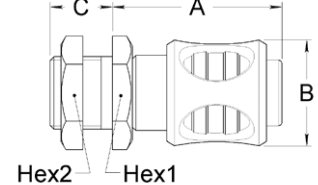


Figure 5

### Sockets (Female)

Part Number	Body Size	Port Size	Thread or Hose Diam.*	Type	Fig.	Dimensions												
						A	B	C	Hex1	Hex2	A	B	C	Hex1	Hex2	Weight		
						(in)	(in)	(in)	(in)	(in)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	lbs	g
GL0063614		¼	¼-19	Male BSPT	1	1.93	1.14	0.51	0.67	-	49	29	13	17	-	0.23	103	
GL0063638		¾	¾-19	Male BSPT	1	1.93	1.14	0.57	0.67	-	49	29	14.5	17	-	0.25	112	
GL0063612		½	½-14	Male BSPT	1	1.89	1.14	0.67	0.87	-	48	29	17	22	-	0.28	126	
GL0063645		M14	M14x1,25	Male Metric	1	1.93	1.14	0.51	0.67	-	49	29	13	17	-	0.23	105	
GL0062614		¼	¼-19	Female BSPP	2	2.30	1.14	-	0.67	-	58.5	29	-	17	-	0.22	102	
GL0062638		¾	¾-19	Female BSPP	2	2.42	1.14	-	0.87	-	61.5	29	-	22	-	0.27	121	
GL0062645		M14	M14x1,25	Female Metric	2	2.34	1.14	-	0.67	-	59.5	29	-	17	-	0.22	101	
GL0065667		-	6 mm	Hose Tail	3	1.87	1.14	1.10	0.67	-	47.5	29	28	17	-	0.22	99	
GL0065678	¼	-	7 mm	Hose Tail	3	1.87	1.14	1.10	0.67	-	47.5	29	28	17	-	0.22	101	
GL0065689		-	8 mm	Hose Tail	3	1.87	1.14	1.10	0.67	-	47.5	29	28	17	-	0.22	101	
GL0065690		-	9 mm	Hose Tail	3	1.87	1.14	1.10	0.67	-	47.5	29	28	17	-	0.22	102	
GL0065601		-	10 mm	Hose Tail	3	1.87	1.14	1.10	0.67	-	47.5	29	28	17	-	0.22	102	
GL0061674		-	7x14 mm	Reusable Hose Fit.	4	2.95	1.14	-	0.67	0.75	75	29	-	17	19	0.30	134	
GL0061684		-	8x14 mm	Reusable Hose Fit.	4	2.95	1.14	-	0.67	0.75	75	29	-	17	19	0.29	130	
GL0061685		-	8x15 mm	Reusable Hose Fit.	4	2.95	1.14	-	0.67	0.75	75	29	-	17	19	0.28	126	
GL0061696		-	9x16mm	Reusable Hose Fit.	4	2.95	1.14	-	0.67	0.75	75	29	-	17	19	0.28	128	
GL0065014		¼	¼-19	Female BSPPBulkhead**	5	1.83	1.14	0.67	1.06	1.06	46.5	29	17	27	27	0.33	148	

To obtain connected length of coupling add dimensions A or A+C (Fig. 1, 2, 3, 4, 5) and D or D+E (Fig. 6, 7, 8, 9, 10) together and subtract 20 mm (0.79 in.)

\*Alternative end connections available upon request.

\*\*Max bulkhead thickness: 10 mm (0.39 in.) / Bulkhead hole diameter: 21 mm (0.83 in.)

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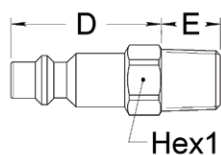


Figure 6

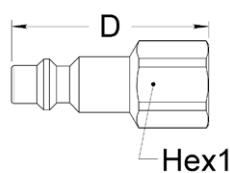


Figure 7



Figure 8

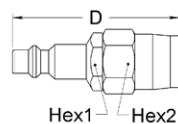


Figure 9

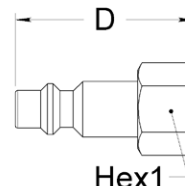


Figure 10

### Plug (Male)

Part Number	Body Size	Port Size	Thread or Hose Diam*	Type	Fig.	Dimensions										Weight		
						D	E	F	Hex1	Hex2	D	E	F	Hex1	Hex2	lbs	g	
						(in)	(in)	(in)	(in)	(in)	(in)	(mm)	(mm)	(mm)	(mm)	(mm)		
GA0066318		3/8	3/8-28	Male BSPT	6	1.26	0.35	-	0.47	-	32	9	-	12	-	0.04	19	
GA0066314		1/4	1/4-19	Male BSPT	6	1.26	0.51	-	0.55	-	32	13	-	14	-	0.06	25	
10		1/4	1/4-18	Male NPT	6	1.22	0.55	-	0.59	-	31	14	-	15	-	0.06	25	
GA0066338		3/8	3/8-19	Male BSPT	6	1.26	0.59	-	0.67	-	32	15	-	17	-	0.08	38	
GA0066345		M14	M14x1,25	Male Metric	6	1.26	0.51	-	0.55	-	32	13	-	14	-	0.06	26	
GA0066214		1/4	1/4-19	Female BSPP	7	1.73	-	-	0.67	-	44	-	-	17	-	0.07	30	
11		1/4	1/4-18	Female NPT	7	1.63	-	-	0.71	-	41.5	-	-	18	-	0.07	30	
GA0066238		3/8	3/8-19	Female BSPP	7	1.73	-	-	0.83	-	44	-	-	21	-	0.08	37	
GA0066245		M14	M14x1,25	Female Metric	7	1.73	-	-	0.67	-	44	-	-	17	-	0.06	25	
GA0066248	1/4	-	M10,4x0,80	Female Metric	7	1.73	-	-	0.55	-	44	-	-	14	-	0.05	24	
GA0066767		-	6 mm	Hose Tail	8	1.10	1.02	0.55	-	-	28	26	14	-	-	0.04	19	
GA0066778		-	7 mm	Hose Tail	8	1.10	1.02	0.55	-	-	28	26	14	-	-	0.04	20	
GA0066789		-	8 mm	Hose Tail	8	1.10	1.02	0.55	-	-	28	26	14	-	-	0.04	20	
GA0066790		-	9 mm	Hose Tail	8	1.10	1.02	0.55	-	-	28	26	14	-	-	0.04	20	
GA0066701		-	10 mm	Hose Tail	8	1.10	1.02	0.55	-	-	28	26	14	-	-	0.05	22	
GA0066174		-	7x14 mm	Reusable Hose Fit.	9	2.22	-	-	0.63	0.75	56.5	-	-	16	19	0.12	56	
GA0066184		-	8x14 mm	Reusable Hose Fit.	9	2.22	-	-	0.63	0.75	56.5	-	-	16	19	0.13	57	
GA0066185		-	8x15 mm	Reusable Hose Fit.	9	2.22	-	-	0.63	0.75	56.5	-	-	16	19	0.12	53	
GA0066196		-	9x16 mm	Reusable Hose Fit.	9	2.22	-	-	0.63	0.75	56.5	-	-	16	19	0.11	51	
GA0066814		1/4	1/4-19	Female BSPP Swivel	10	1.50	-	-	0.67	-	38	-	-	17	-	0.06	26	
GA0066845		M14	M14x1,25	Female Metric Swivel	10	1.50	-	-	0.67	-	38	-	-	17	-	0.06	26	

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