

# 5600 Series (Stainless Steel)

## ISO 7241-1 A Interchange

Fluid transfer & Hydraulic application



The Danfoss Hansen 5600 Series is a rugged poppet style ball locking quick disconnect coupling. As the original manufacturer of the ISO 7241-1 A style coupling, Danfoss has reinvented this quick disconnect coupling series to meet your application needs by offering a new stainless steel construction.

### Product Features

- Self-sealing poppet valve provides excellent high and low pressure sealing
- Stainless steel construction offers excellent corrosion resistance in tough environments
- Standard body material: 303 stainless steel
- Standard body material: Nitrile (NBR). EPDM and FKM seals are available upon request
- Available sizes include: 5/8", 3/4", 1"\*
- Female NPTF thread ends

\*Additional sizes are available upon request.

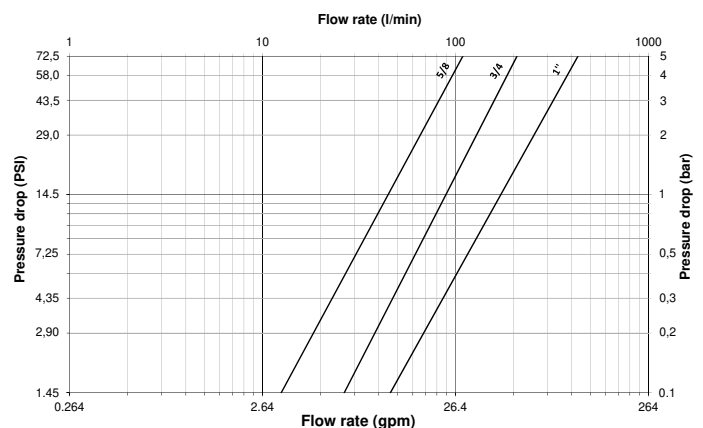
### Physical Characteristics

Body Size (in)	Max. Operating Pressure Connected		Min. Burst Pressure		Rated Flow		Air Inclusion	Fluid Loss
	(bar)	(psi)	(bar)	(psi)	(lpm)	(gpm)	cc. max.	cc.max.
5/8	207	3,000	621	9,000	45	12	2.8	2.8
3/4	207	3,000	621	9,000	106	28	10	8.2
1	207	3,000	621	9,000	189	50	14.2	14.2

### Applications & Markets

- Hydraulic and Fluid Transfer
- Agricultural Equipment
- Construction Equipment
- Steel Mills
- Plant Manufacturing and Processing Equipment
- Dump, Snow Plow, and Maintenance Vehicles

### Flow Data



Hydraulic Oil viscosity : 30 Cst at 40°C / 104°F

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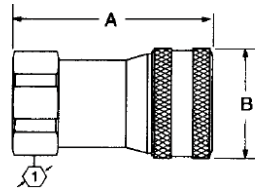


Figure 1

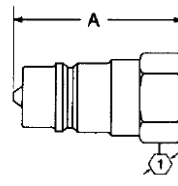


Figure 2

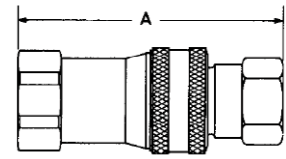


Figure 3

### Female (socket)

Part Number	Coupling Type	Body Size	Thread	Fig.	Dimensions			A	B	Hex
					A	B	Hex			
					(in)	(in)	(in)	(mm)	(mm)	(mm)
560024-8-10	Socket/Female	5/8	1/2-14 NPTF	1	2.61	1.5	1.19	66.3	38.1	30.2
560024-12-12	Socket/Female	3/4	3/4-14 NPTF	1	3.25	1.81	1.50	82.6	46.0	38.1
560024-16-16	Socket/Female	1	1 1/2-14 NPTF	1	3.82	2.1	1.69	97.0	53.3	42.9

### Plugs (Male)

Part Number	Coupling Type	Body Size	Thread	Fig.	Dimensions			A	B	Hex
					A	B	Hex			
					(in)	(in)	(in)	(mm)	(mm)	(mm)
560049-8-10	Plug/Male	5/8	1/2-14 NPTF	2	2.02	-	1.06	51.3	-	26.9
560049-12-12	Plug/Male	3/4	3/4-14 NPTF	2	2.55	-	1.38	64.8	-	35.1
560049-16-16	Plug/Male	1	1 1/2-14 NPTF	2	3.1	-	1.62	78.7	-	41.1

### Complete Sets\*

Part Number	Coupling Type	Body Size	Thread	Fig.	Dimensions	
					A	A
					(in)	(mm)
FD56-1001-08-10	Complete	5/8	1/2-14 NPTF	3	3.78	96.0
FD56-1001-12-12	Complete	3/4	3/4-14 NPTF	3	4.56	115.8
FD56-1001-16-16	Complete	1	1 1/2-14 NPTF	3	4.86	123.4

\*Includes one socket/female and one plug/male half in the outlined size.