

Premium four/six-wire spiral hose



Premium

Aeroquip® by Danfoss EC600 X-Flex® four/six wire spiral hose

Engineered for outstanding flexibility, our Aeroquip EC600 spiral hose is the go-to solution for applications that require easier and more cost-efficient spiral hose installation in tight spaces.

As well as supporting the creation of more compact and fuel-efficient machines, our EC600 hose has also been rigorously tested up to 1 million impulse cycles with Danfoss 1W fittings. This long in-application life and outstanding flexibility is due to our ground-breaking Dura-Pulse™ inner tube technology.

Need to know:



66% better bend radius* and 24% lower force-to-bend



Tested up to 1 million impulse cycles



Qualified according to ISO18752-DC



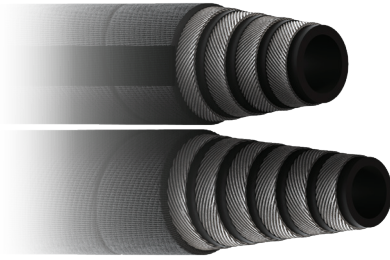
Features:

- 66% better bend radius than SAE J517 100R15 standard and 24% lower force-to-bend
- Tested up to 1 million impulse cycles in sizes -12, -20 and -24 with 1W fittings
- Supports high pressure applications up to 420 bar
- 8X higher abrasion resistance with Danfoss Dura-Tuff® cover
- Compatible with both skive and non-skive fitting types. Use with Danfoss Global one-piece 1W or 4S fittings for Class 0 leakage according to SAEJ 1176
- Customized multi-bent fittings available that support working pressures up to 500 bar

Benefits:

- High flexibility enables faster, easier and more cost-efficient hose assembly installation
- Greater flexibility enables use in really tight spaces, allowing more design freedom, lower assembly costs, and reduced machine weight that increases fuel-efficiency
- Long lifecycle in demanding applications maximizes machine uptime and lowers maintenance spending
- Higher abrasion resistance lessens a leading cause of hose failure, increasing in-application life and reducing maintenance costs
- High-performance fittings enable better sealing and leak-free operations, while compatibility with both skive and non-skive options enables more design freedom

* than SAE J517 100R15



Premium

EC600

Core premium
four & six-wire spiral hose

Meets or exceeds: SAE J517 100R15 | ISO 18752

Aeroquip by Danfoss

EC600-12

19.0 MM (0.75 IN)
DN19Dura-Tuff
X-FlexEXCEEDS SAE 100R15 • ISO 18752
MSHA IC-84/19 • ABS • DNV-GL • USCG+

420 BAR (6100 PSI)

-40°C to +121°C
-40°F to +250°F

Half Bend

1W 4S

Typical application:

Subsystems requiring SAE J517 100R15 compliant solutions for pressures up to 420 bar, such as high pressure hydraulic circuits in construction and mining equipment, or hydrostatic drives.

Agency specifications: MSHA IC-84/19 | ABS | DNV | USCG

Hose construction:	Inner Tube:	Reinforcement:	Cover:
	Dura-Pulse™ compound	Four-wire spiral (-12 to -16) Six-wire spiral (-24 to -32)	Dura-Tuff® Premium Abrasion
Operating Temperature:			
-40°C to +121°C (-40°F to +250°F)			

Qualified fittings: 4S and 6S fitting series for SAE100R15 ½ Bend & ISO18752-CC | 1W fitting series for SAE100R15 ½ Bend & ISO18752-DC | 4S fitting in sizes -12 and -16 and 6S fitting in size -20

PART #	SIZE DIMENSIONS				PRESSURE				BEND		WEIGHT	
	Hose I.D.		Hose O.D. (nominal)		Working Pressure	Min. Burst Pressure	Min. Burst Pressure	Min. Burst Pressure	Min. Bend Radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC600-12	19.1	0.75	32.2	1.27	420	6,100	1,680	24,400	135	5.31	1.52	1.01
EC600-16	25.4	1.00	38.6	1.52	420	6,100	1,680	24,400	165	6.5	2.04	1.36
EC600-20	31.8	1.25	49.7	1.96	420	6,100	1,680	24,400	225	8.86	3.89	2.61
EC600-24	38.1	1.50	58.5	2.30	420	6,100	1,680	24,400	265	10.43	4.83	3.24
EC600-32*	50.8	2.00	72.0	2.83	420	6,100	1,680	24,400	375	14.76	7.1	4.77

* O-32 size is qualified for 500,000 cycles (ISO 18752-CC)

* With the 6S fitting the -32 size working pressure is 380 bar (5500 psi) with a 4:1 safety factor

Core hose I.D.

- Premium
- Standard
- Braided
- Spiral
- High-Temp
- Low-Temp
- Abrasion
- Suction

MORE HIGHLIGHTS



Supports high pressure
up to 420 bar



8x Higher
Abrasion Resistance



Class 0
Leakage Fittings



Multi-bent fittings
support up to 500 bar