

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:**

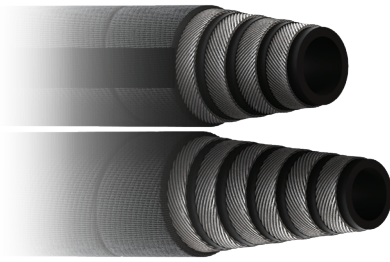
- 66% better bend radius than SAE J517 100R15 standard and 24% lower force-to-bend
- Tested up to 1 million impulse cycles in sizes -12, -20 and -24 with 1W fittings
- Supports high pressure applications up to 420 bar
- 8X higher abrasion resistance with Danfoss Dura-Tuff® cover
- Compatible with both 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	<b>EC600-12</b>	19.0 MM (0.75 IN) DN19	Dura-Tuff X-Flex	EXCEEDS 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
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### 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

<b>Hose construction:</b>	<b>Inner Tube:</b> Dura-Pulse™ compound	<b>Reinforcement:</b> Four-wire spiral (-12 to -16) Six-wire spiral (-24 to -32)	<b>Cover:</b> Dura-Tuff® Premium Abrasion
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**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. Bend Radius	Weight			
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
<b>EC600-12</b>	19.1	0.75	32.2	1.27	420	6,100	1,680	24,400	135	5.31	1.52	1.01
<b>EC600-16</b>	25.4	1.00	38.6	1.52	420	6,100	1,680	24,400	165	6.5	2.04	1.36
<b>EC600-20</b>	31.8	1.25	49.7	1.96	420	6,100	1,680	24,400	225	8.86	3.89	2.61
<b>EC600-24</b>	38.1	1.50	58.5	2.30	420	6,100	1,680	24,400	265	10.43	4.83	3.24
<b>EC600-32*</b>	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

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