

Aeroquip by Danfoss | EC600 EDGE series fact sheet

Aeroquip by Danfoss EC600 hose



The flexible spiral hose you trust, now with unmatched durability. Introducing the EDGE series EC600 spiral hose.

This hose offers easy installation and extreme endurance, with a DuraTUFF+™ cover that is 100x more abrasion resistant than standard hoses. With Class 0 cool down leakage and validation for one million impulse cycles, it's the no-compromise solution for your most demanding high-pressure applications.

The EDGE six-point system

Features:	Benefits:
• 1,000,000 Impulse Cycles	• Extends hose life, reduces downtime, and lowers replacement costs.
• Higher Pressure Performance	• Allows for use in more powerful applications and provides a greater safety factor.
• Tighter Bend Radius DuraFLX™ technology offers 1/2 bend radius	• Enables faster, easier installation, especially in tight spaces.
• Wide Temperature Range	• Ensures reliable performance in extreme hot and cold conditions.
• 100x Abrasion Resistance DuraTUFF+™ cover with 100x the abrasion of standard hose	• Protects against external wear, significantly increasing durability.
• Class 0 Leakage	• Guarantees leak-free connections, improving safety and efficiency while preventing fluid loss.



Markets & Applications:

Demanding high pressure applications requiring SAE J517 100R15 compliant solutions at pressures up to 500 bar - including hydrostatic drives, direct drive steering systems and critical subsystems in off-highway equipment.

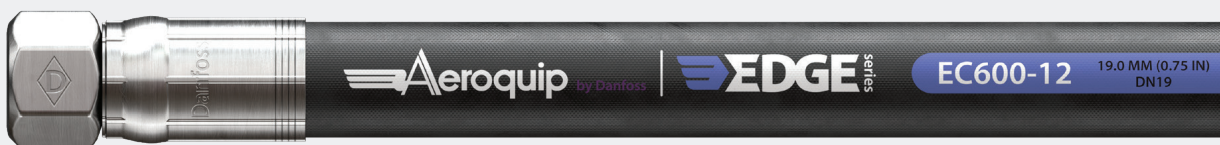
Learn more at
danfoss.com/edge



EDGE Premier Hydraulic Series • Spiral

EC600

Core premium
four & six wire spiral hose



Meets or exceeds:

SAE 100R15 | EN 856 4SH | EN 856 R13 | ISO 18752

Typical application:

High pressure hydraulic circuits on mobile construction equipment, mining equipment, and industrial applications for pressures up to 6,100 PSI/420 bar.

Agency specifications: ABS | DNV | MSHA | USCG

Inner tube: Dura-Pulse
patented inner tube

Hose construction: **Reinforcement:**
Four wire spiral
Six wire spiral**

Cover: DuraTUFF+ premium abrasion

Operating temperature: -40°C to +127°C (-40°F to +260°F)

Qualified fittings: 4S series | 6S series** | 1W series

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
EC600-12	19,0	0.75	32,2	1.27	420	6,100	1,680	24,400	135,0	5.31	1,52	1.01
EC600-16	25,4	1.00	38,6	1.52	420	6,100	1,680	24,400	165,0	6.5	2,04	1.36
EC600-20**	31,8	1.25	49,7	1.96	420	6,100	1,680	24,400	225,0	8.86	3,89	2.61
EC600-24**	38,1	1.50	57,5	2.26	420	6,100	1,680	24,400	265,0	10.43	4,83	3.24
EC600-32**	50,8	2.00	71,0	2.79	420	6,100	1,680	24,400	375,0	14.76	7,10	4.77

** Six wire spiral

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