

Aeroquip by Danfoss | FC500 EDGE series fact sheet

Aeroquip by Danfoss FC500 hose



The FC500 hose is now part of the EDGE series, delivering premium performance for extreme applications. This flexible, high-pressure four and six-wire spiral hose is qualified to a 1/2 SAE bend radius. Now featuring a DuraTUFF+ cover for 100x better abrasion resistance than standard hoses, the FC500 EDGE series is built to last.

The EDGE six-point system

Features:	Benefits:
<ul style="list-style-type: none"> • 1,000,000 Impulse Cycles 	<ul style="list-style-type: none"> • Extends hose life, reduces downtime, and lowers replacement costs.
<ul style="list-style-type: none"> • Higher Pressure Performance 	<ul style="list-style-type: none"> • Allows for use in more powerful applications and provides a greater safety factor.
<ul style="list-style-type: none"> • Tighter Bend Radius DuraFLX™ technology offers 1/2 bend radius 	<ul style="list-style-type: none"> • Enables faster, easier installation, especially in tight spaces.
<ul style="list-style-type: none"> • Wide Temperature Range 	<ul style="list-style-type: none"> • Ensures reliable performance in extreme hot and cold conditions.
<ul style="list-style-type: none"> • 100x Abrasion Resistance DuraTUFF+™ cover with 100x the abrasion of standard hose 	<ul style="list-style-type: none"> • Protects against external wear, significantly increasing durability.
<ul style="list-style-type: none"> • Class 0 Leakage 	<ul style="list-style-type: none"> • Guarantees leak-free connections, improving safety and efficiency while preventing fluid loss.



Markets & Applications:

Ultra high pressure applications compatible with petroleum and water-based fluids

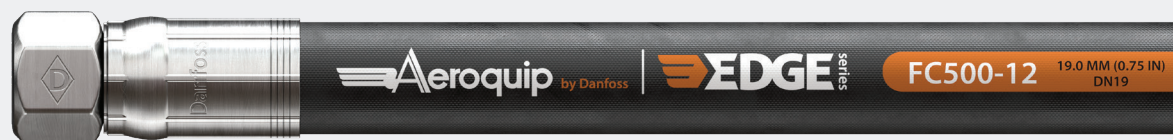
Learn more at danfoss.com/edge



EDGE Premier Hydraulic Series • Spiral

FC500

Core premium four & six wire spiral hose



Meets or exceeds:

SAE 100R13 | EN 856 R13 | ISO 3862 | ISO 18752

Typical application:

Ultra high pressure applications compatible with petroleum and water-based fluids

Agency specifications:	DNV MSHA USCG
Hose construction:	Inner tube: Nitrile
	Reinforcement: Four wire spiral Six wire spiral (-32)
	Cover: DuraTUFF+ premium abrasion
Operating temperature:	-40°C to +127°C (-40°F to +260°F)
Qualified fittings:	4S series (-12 to -24) 6S series (-32)

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
FC500-12	19,0	0.75	31,0	1.22	350,0	5,100	1,400	20,400	121,0	4.75	1,28	0.86
FC500-16	25,4	1.00	38,4	1.51	350,0	5,100	1,400	20,400	152,0	6.00	1,85	1.24
FC500-20	31,8	1.25	45,5	1.79	350,0	5,100	1,400	20,400	210,0	8.25	2,50	1.68
FC500-24	38,1	1.50	53,5	2.11	350,0	5,100	1,400	20,400	254,0	10.00	3,38	2.27
FC500-32**	50,8	2.00	71,8	2.83	350,0	5,100	1,400	20,400	476,0	18.75	6,07	4.08

** Six wire spiral

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