

Aeroquip by Danfoss | EC881 EDGE series fact sheet

Aeroquip by Danfoss EC881 hose



The high-performance champion, now with an unbeatable EDGE.
Introducing the Aeroquip® by Danfoss | EDGE™ EC881 two wire braided hose.

The EDGE EC881 redefines what a braided hose can do, delivering the power of a spiral hose with the flexibility of a braid. Built on a one-million-cycle foundation and wrapped in a cover with 100x the abrasion resistance, it's the definitive high-endurance solution for demanding industries.

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 1/3 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:

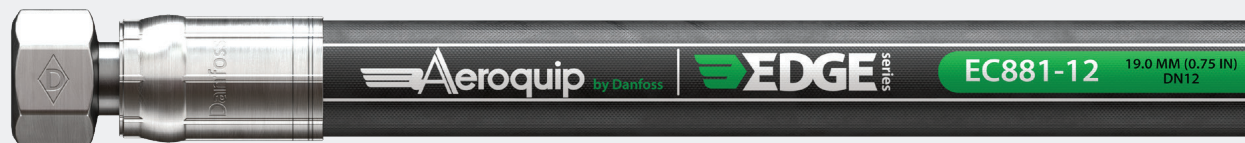
- Compact construction equipment
- Agricultural equipment
- Mining
- Oil & Gas
- Forestry/Logging equipment
- Waste/Refuse trucks
- Aerial lifts

Learn more at
danfoss.com/edge



EDGE Premier Hydraulic Series • Braided

EC881 | Core premium
two wire braided hose



Meets or exceeds:

SAE 100R16 | SAE 100R19 | EN 857 2SC | ISO 18752

Typical application:

Hydraulic systems with petroleum and water-based fluids, for general industrial service.

This Dynamax ultra-performance hose with the Danfoss Dura-Pulse inner tube combines the lightweight flexibility of a two-wire braided hose with the pressure and performance of spiral 100R12 hoses (-16 and smaller).

Agency specifications:	ABS DNV MSHA
Hose construction:	Inner tube: Dura-Pulse patented inner tube Reinforcement: Two wire braid Cover: DuraTUFF+ premium abrasion
Operating temperature:	-46°C to +126°C (-50°F to +260°F) -46° C to +70° C (-50 to +158° F) for water based hyd. fluids 0° C to +70° C (+32°F to 158° F) for water
Qualified fittings:	1A series

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
EC881-4	6.4	0.25	13,6	0.54	450	6,525	1,800	26,100	33,0	1.30	0,32	0.22
EC881-6	9.5	0.38	17,3	0.68	400	5,800	1,600	23,200	42,0	1.65	0,42	0.28
EC881-8	12.7	0.50	17,3	0.68	360	5,220	1,440	20,880	60,0	2.36	0,58	0.39
EC881-10	15.9	0.62	24,0	0.94	350	5,075	1,400	20,300	68,0	2.68	0,75	0.50
EC881-12	19.0	0.75	27,9	1.10	330	4,785	1,320	19,140	80,0	3.15	1,03	0.69
EC881-16	25.4	1.00	34,6	1.36	280	4,060	1,120	16,240	150,0	5.91	1,47	0.99
EC881-20	31.8	1.25	43,4	1.71	172	2,500	688	9,980	210,0	8.27	1,75	1.18
EC881-24	38.1	1.50	51,8	2.04	138	2,000	552	8,000	250,0	9.84	1,91	1.28

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