

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:
<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 1/3 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:

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

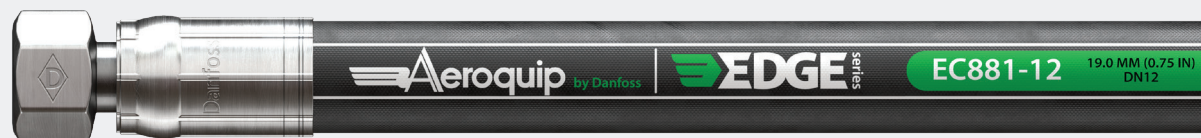
Learn more at
danfoss.com/edge



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:	<p>Inner tube: Dura-Pulse patented inner tube</p> <p>Reinforcement: Two wire braid</p> <p>Cover: DuraTUFF+ premium abrasion</p>
Operating temperature:	<p>-46°C to +126°C (-50°F to +260°F)</p> <p>-46° C to +70° C (-50 to +158° F) for water based hyd. fluids</p> <p>0° C to +70° C (+32°F to 158° F) for water</p>
Qualified fittings:	1A 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
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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