



# Aeroquip® by Danfoss EC881 hose



## EC881 two wire braided hose

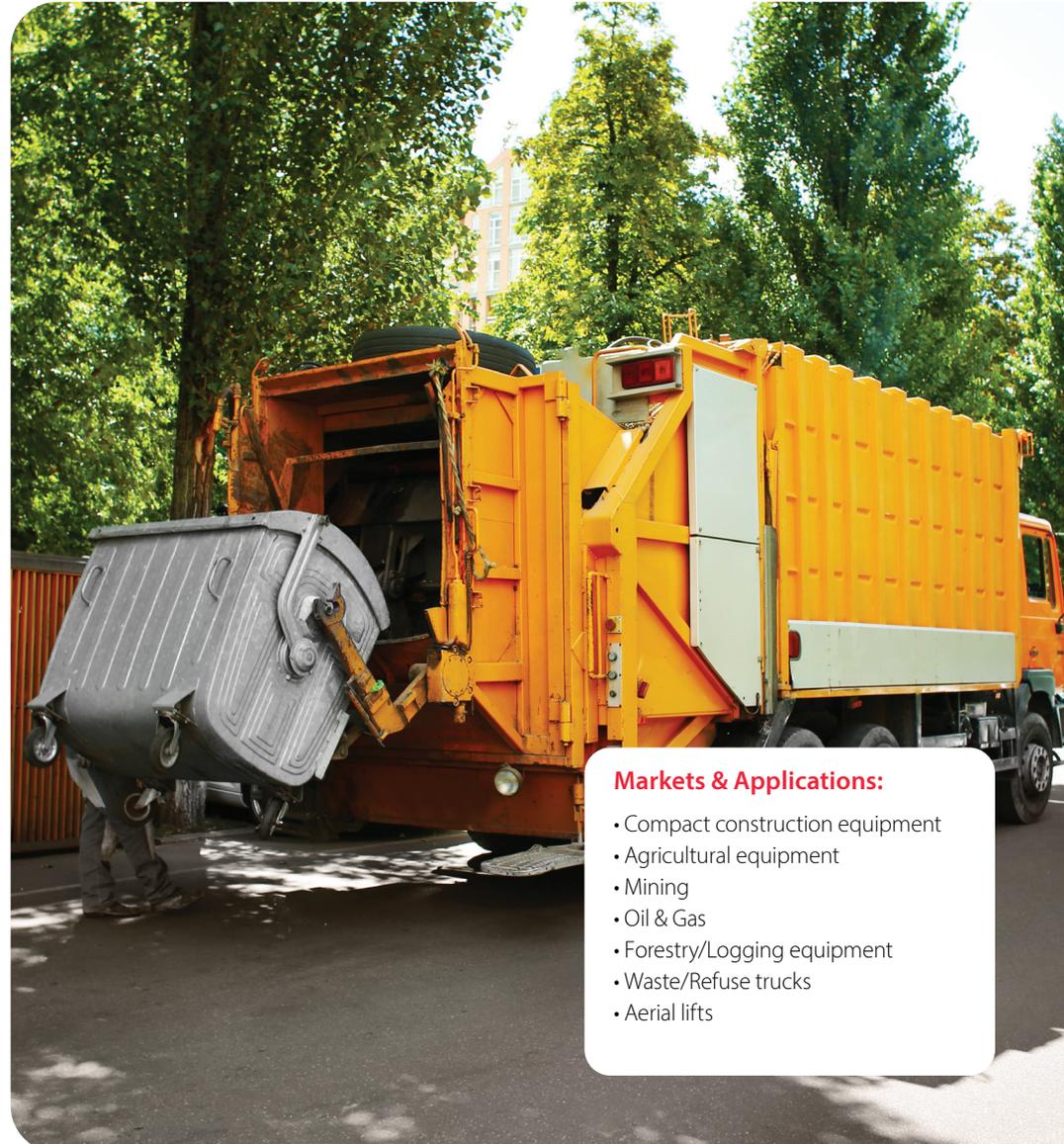
The Aeroquip® EC881 Dynamax® hose from Danfoss is a high-performing, two-wire EN857 2SC braided hose qualified to 1 million impulse cycles, outperforming the standard requirement by five times. This innovative hose is lighter, offers superior abrasion resistance, and withstands higher pressures and temperatures. Ideal for demanding applications in agriculture, oil & gas, and mining, the EC881 Dynamax® hose helps reduce costs, decrease downtime, and improve fuel efficiency.

### Features:

- 1 million impulse cycle performance
- Higher pressure ratings than a standard two-wire braided hose
- Dura-Pulse™ inner tube for low compression set
- Superior flexibility (one-third of SAE 100R2 bend radius at 100°C)
- 8X higher abrasion resistance with Danfoss Dura-Tuff® cover

### Benefits:

- Longer hose life reduces downtime and replacement costs.
- Improved reliability and safety in high-pressure applications.
- Better sealing and prevention of leaks for enhanced performance.
- Easier installation and routing in tight spaces.
- Excellent abrasion resistance for a longer service life in demanding environments.



### Markets & Applications:

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

\*than standard hose

# EC881

Core premium  
two wire braided hose

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



**EC881-6**  
9.5 MM (0.38 IN)  
DN10

**Dura-Tuff  
Dynamax**

Exceeds SAE 100R16 / 100R19 / EN 857 2SC  
ISO 18752 • ABS • DNV • MSHA IC-84/56

 **400 BAR (5800 PSI)**

-46°C to +126°C  
-50°F to +260°F

 1/3  
Bend

 1A

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

**Agency specifications:** ABS | DNV | MSHA

<b>Hose construction:</b>	<b>Inner tube:</b> Dura-Pulse patented inner tube	<b>Reinforcement:</b> Two wire braid	<b>Cover:</b> DuraTUFF+ premium abrasion
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**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:** 4S series (-12 to -16) | 6S series (-20 to -32) | 1W series

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