

ENGINEERING
TOMORROW

Danfoss

Aeroquip® by Danfoss EC881 Dynamax® hose exceeds EN857 Type 2SC specifications

There are a **million reasons**
to choose Aeroquip EC881
Dynamax hose.

Well, actually **one million + eight.**

Aeroquip by Danfoss

EC881-6

9.5 MM (0.38 IN)
DN10


1 MILLION
Qualified
Impulse Cycles



Reduced
Cost



Reduced
Weight



Better
Flexibility



Higher Pressure
Rating*



26%
Higher Operating
Temp*



More Impulse
Life*



Higher Abrasion
Resistance*



And Over 50%
More Flexible*

*compared to standard EN857 2SC hose

Aeroquip by Danfoss EC881 Dynamax hose

Danfoss is proud to introduce the Aeroquip® EC881 Dynamax® hose, the new high performing, two wire EN857 2SC braided hose, qualified to 1 Million impulse cycles. The EC881 Dynamax hose outperforms the typical EN857 2SC 200,000 impulse cycle requirement by 5X, in addition to providing a range of other benefits such as: lighter weight, higher abrasion resistance, and higher pressure & temperature ratings. Aeroquip by Danfoss EC881 Dynamax hose provides many advantages in applications such as agriculture, oil & gas, and mining including reduced cost, decreased downtime, and better fuel efficiency. See below for more information regarding applications, features and benefits:

Applications

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

Features

- 1 million impulse cycle performance
- Higher pressure ratings than standard two wire braided hose
- Low compression set due to new Dura-Pulse™ inner tube
- Aeroquip by Danfoss EC881 hose provides superior flexibility (1/3 SAE 100R2 bend radius at 100°C)
- Dura-Tuff™ cover

Benefits:

- Extended product life expectancy over standard EN857 Type 2SC hoses
- Allows for use in a broader range of hydraulic systems where four spiral hoses may have been required in the past
- Better sealing and leak free performance
- Improved flexibility for easier installation in tight spaces
- Provides additional abrasion resistance which is a leading cause of hydraulic hose failures

Hose I.D.				Hose O.D (nominal)		Maximum Operating Pressure		Min. Burst Pressure		Min. Bend Radius		Weight.	
Part #	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC881-4	6	6.4	0.25	13.6	0.54	450	6525	1800	26100	33	1.30	0.32	0.22
EC881-6	10	9.5	0.38	17.3	0.68	400	5800	1600	23200	42	1.65	0.42	0.28
EC881-8	12	12.7	0.50	20.9	0.82	360	5220	1440	20880	60	2.36	0.58	0.39
EC881-10	16	15.9	0.63	24.0	0.94	350	5075	1400	20300	68	2.68	0.75	0.50
EC881-12	19	19.0	0.75	27.9	1.10	330	4785	1320	19140	80	3.15	1.03	0.69
EC881-16	25	25.4	1.00	34.6	1.36	280	4060	1120	16240	150	5.91	1.47	0.99
EC881-20	31	31.8	1.25	43.4	1.71	172	2500	688	9980	210	8.27	1.75	1.18
EC881-24	38	38.1	1.50	51.8	2.04	138	2000	552	8000	250	9.84	1.91	1.28

Construction

Inner tube:
Dura-Pulse patented inner tube

Reinforcement:
2 Wire Braid

Cover:
Dura-Tuff synthetic rubber cover

Temperature Range

-46°C to +126°C*
(-50°F to +260°F)

*at 1/2 SAE 100R2 bend radius

Agency Listings

- Exceeds EN 857 2SC
- MSHA
- ABS
- DNV-GL

Approved Fittings

1A (TTC) series

*compared to standard
EN857 2SC hose



reduced
cost



reduced
weight



better
flexibility



higher pressure
rating*



higher
operating temp*



more
impulse life*



higher abrasion
resistance*



1/3
BEND
and over 50%
more flexible*



1 MILLION
qualified
cycles

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