

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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