

ENGINEERING
TOMORROW

Danfoss

Weatherhead® by Danfoss H881 Dynamax® hose exceeds EN857 Type 2SC specifications

There are a **million reasons**
to choose Weatherhead
H881 Dynamax hose.

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

Weatherhead
by Danfoss

H88106

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*

 **McGill**
HOSE & COUPLING

*compared to standard EN857 2SC hose

Weatherhead by Danfoss Dynamax H881 hose

Danfoss is proud to introduce the Weatherhead® Dynamax® H881 hose, the new high performing, two wire EN857 2SC braided hose, qualified to 1 Million impulse cycles. The Dynamax H881 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. Weatherhead by Danfoss Dynamax H881 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
- Dynamax H881 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
H88104	6	6.4	0.25	13.6	0.54	450	6525	1800	26100	33	1.30	0.32	0.22
H88106	10	9.5	0.38	17.3	0.68	400	5800	1600	23200	42	1.65	0.42	0.28
H88108	12	12.7	0.50	20.9	0.82	360	5220	1440	20880	60	2.36	0.58	0.39
H88110	16	15.9	0.63	24.0	0.94	350	5075	1400	20300	68	2.68	0.75	0.50
H88112	19	19.0	0.75	27.9	1.10	330	4785	1320	19140	80	3.15	1.03	0.69
H88116	25	25.4	1.00	34.6	1.36	280	4060	1120	16240	150	5.91	1.47	0.99
H88120	31	31.8	1.25	43.4	1.71	172	2500	688	9980	210	8.27	1.75	1.18
H88124	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

Z 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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