



EC881 1 Million Impulse cycle Two wire Braided hose



Eaton is excited to introduce Dynamax EC881, a new high performing two wire braided hose qualified to 1 Million impulse cycles. Impulse cycles are key measure in the life expectancy and overall quality of a hydraulic hose. Compared to standard EN857 2SC hoses, which are qualified to 200 000 cycles EC881 exceed the standard by 5X and provides exceptional performance in tough applications. EC881 also exceed the 2SC pressure ratings which extends the range in which hydraulic systems this hose can be used. See below for some typical applications.

Application

- Compact construction equipment
- Agricultural equipment
- Mining
- Oil & Gas
- Other industrial applications needing 2SC pressures

Features

- 1 million impulse cycle performance
- Higher pressure ratings than standard two wire braided hose
- Low compression set due to new generation inner tube
- EC881 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



Powering Business Worldwide

Eaton DYNAMAX EC881

Exceed EN857 Type 2SC



# Part Number	Hose I.D.			Hose O.D.		Max. Operating Pressure		Burst Pressure		Min. Bend Radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	in	mm	in	kg/m	lb/ft
EC881-4	6	6.4	0.25	14.2	0.56	450	6525	1800	26100	33	1.30	0.32	0.21
EC881-5	8	7.9	0.31	16	0.63	400	5800	1600	23200	38	1.50	0.38	0.26
EC881-6	10	9.5	0.38	18.3	0.72	400	5800	1600	23200	42	1.65	0.42	0.28
EC881-8	12	12.7	0.5	21.5	0.85	360	5220	1440	20880	60	2.36	0.58	0.39
EC881-10	16	15.9	0.63	24.7	0.97	350	5075	1400	20300	68	2.68	0.75	0.50
EC881-12	19	19	0.75	28.6	1.13	330	4785	1320	19140	80	3.15	1.03	0.69
EC881-16	25	25.4	1	36.6	1.44	280	4060	1120	16240	150	5.90	1.47	0.98
EC881-20	31	31.8	1.25	44.3	1.74	172	2500	688	9980	210	8.27	1.75	1.17
EC881-24*	38	38.1	1.5	52.8	2.08	138	2000	552	7700	250	9.84	1.91	1.28
EC881-32	51	50.8	2	65.5	2.58	110	1600	440	6375	315	12.40	2.62	1.76

*Qualified for 800.000 impulse cycles

Construction

- Synthetic rubber tube
- 2 wire braid reinforcement
- DURA-TUFF synthetic rubber cover

Operating temperature

-46°C to +126°C*
(-50°F to +259°F)
* at 1/2 SAE 100R2 bend radius

Agency listings

MSHA
DNV-GL
ABS
LR
BV

Application

Hydraulic systems with petroleum and water-based fluids, for general industrial service

Approved fittings

- TTC series