

Higher Pressures Provide Greater Power!

Performance at the maximum pressure of demanding hydraulic systems

Eaton DYNAMAX EC850 hose far exceeds the industry requirements providing longer life resulting in lower maintenance costs over the life of the equipment

Tested up to 3 million impulse cycles (-10 & -12) at working pressure

Features

- 4-spiral wire construction in hose sizes -10, -12 & -16; 6-spiral wire construction in -20 size
- Highly abrasion resistant DURA-TUFF cover
- Up to 27% reduction in force to bend compared to standard SAE 100R15 hoses
- 10% reduced bend radius compared to standard SAE 100R15 hoses
- Size -10 (DN16): Exceeds EN856/4SP performance
- Size -12 through -20 (DN19 to DN31): Exceeds SAE 100R15 performance
- Hose materials meet global REACH requirements
- Class 0 cool down leakage in accordance with SAE J1176

Benefits

- Improved flexibility and bend radius enhance installation and routing capabilities
- 8 times better abrasion resistance as compared to standard rubber covered hoses with the DURA-TUFF cover
- Longer hose assembly life means more uptime and lower costs
- No hydraulic fluid leakage between hose and hose fitting when machine is shut off and system cools down
- Environmentally friendly materials

Applications

- High pressure hydraulic systems with petroleum based fluids
- Highly demanding applications: hydrostatic drive systems, high pressure direct steering and extremely high pressure hydraulic applications
- Critical applications in forestry, construction, agriculture, snow removal and other off-highway equipment



DYNAMAX EC850

# Part Number	Hose ID			Hose OD		Maximum Working Pressure		Burst Pressure		Minimum Bend Radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC850-10	16	15,9	0.63	29,0	1.14	500	7250	2000	29000	200,0	7.87	1,23	0.82
EC850-12	19	19,1	0.75	33,3	1.31	500	7250	2000	29000	215,0	8.46	1,52	1.01
EC850-16	25	25,4	1.00	40,4	1.59	500	7250	2000	29000	270,0	10.63	2,31	1.54
EC850-20	31	31,8	1.25	50,9	2.00	500	7250	2000	29000	380,0	14.96	4,01	2.69

Construction

Synthetic rubber tube, multiple heavy spiral wire (4-spiral wire in -10, -12, -16), (6-spiral wire in -20), Highly abrasion resistant DURA-TUFF rubber cover

Operating Temperature Range

-40°C to +100°C
(-40°F to +212°F)

Agency Listings

MSHA IC-84, DIN 5510