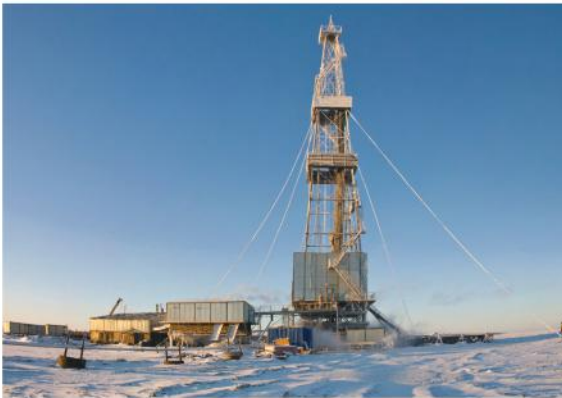


Eaton® ICE CHAMPION™ EC810



ICE CHAMPION™ EC810 Hydraulic Hose for Frigid Environments



Eaton's ICE CHAMPION EC810 hose offers cold temperature, high-pressure performance.

Features

- Sizes -12 and -16 (4-Wire)
- Sizes -20 to -32 (6-Wire)
- Working temperatures from -57°C to +100°C (-70°F to +212°F)
- -12 to -24 rated at 420 bar (6,100 psi) maximum working pressure
- -32 rated at 350 bar (5,100 psi) maximum working pressure
- 4 to 1 safety ratio
- MSHA approved cover

Eaton's ICE CHAMPION EC810 hose takes the bite out of cold temperature applications. This spiral wire reinforced hydraulic hose style withstands temperatures as low as -57°C (-70°F) and pressures as high as 420 bar (6,100 psi), making it particularly well-suited for use in frigid polar climates.

ICE CHAMPION hose has a rugged MSHA rated and abrasion-resistant cover, characteristics that further enhance its suitability for extreme-duty applications on construction equipment, oil and gas rigs, mining equipment, and other high pressure applications in frigid environments.

EC810 is available in -12 through -32 sizes and is approved with Eaton's "1W" series internal skive fittings and Eaton's one-piece non-skive crimp fittings that make hose assemblies easy to build.

- Qualified with existing Eaton crimp machines
- Non-skive crimp fitting in sizes -12 through -32
- ISC (1W series) crimp fitting in sizes -12 through -32

Benefits

- Rugged, spiral hose offers top performance in frigid temperatures
- Proven, reliable hose and fitting technology
- Cover is MSHA qualified to use in mining applications
- Performs at highest hydraulic pressures typically seen in general hydraulic applications
- Abrasion resistant cover
- Easy to assemble

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ICE CHAMPION EC810



# Part No.	DN	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Vacuum		Weight	
		mm	in	mm	in	bar	psi	bar	psi	mm	in			kg/m	lbs/ft
EC810-12	19	19,0	0.75	33,0	1.30	420	6100	1680	24400	280	11.02	NA	NA	1,61	1.08
EC810-16	25	25,4	1.00	39,9	1.57	420	6100	1680	24400	340	13.39	NA	NA	2,02	1.36
EC810-20	31	31,8	1.25	49,4	1.94	420	6100	1680	24400	420	16.54	NA	NA	3,55	2.39
EC810-24	38	38,1	1.50	57,3	2.26	420	6100	1680	24400	510	20.08	NA	NA	4,74	3.19
EC810-32	51	50,8	2.00	71,7	2.82	350	5100	1400	20400	630	24.80	NA	NA	6,70	4.50

For information on additional sizes, please contact your local Eaton distributor.

Construction :

- Exclusive low temperature tube.
- 4 wire spiral reinforcement (-12 and -16), 6-heavy wire spiral reinforcement (-20 to -32).
- MSHA approved abrasion resistant rubber cover.

Application:

- Hydraulic system with petroleum based fluids for low temperature applications.

Qualified Fittings:

- See Eaton crimp specifications for thru-the-cover fittings approved for use on EC810 in sizes -12 through -32.
- Eaton 1W series internal skive crimp fittings approved for use in sizes -12 through -32.

Operating Temperature:

-57°C to +100°C
(-70°F to +212°F)

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