

FC579 and FC616 Hydraulic Jack Hose

Innovation Sheet



New Aeroquip FC579 and FC616 hydraulic jack hose styles from Eaton are designed specifically for hydraulic jacking applications in which static pressure requirements up to 10,000 psi are common. Each of the new hose styles has a customized layline that identifies it as a jack hose with a maximum 10,000-psi operating pressure rating.

Aeroquip jack hose meets the performance requirements of Material Handling Institute Specification IJ100, the recognized jack hose standard that simulates the operating conditions of hydraulic jacking equipment.

Applications

- Hydraulic jacking system service with petroleum and water-based fluids

The Cape Hatteras Lighthouse, the tallest lighthouse in the United States, was pushed 2,900 feet away from the eroding Atlantic shoreline with a hydraulic jacking system, equipped with Aeroquip FC579 jack hose.

Features

- 10,000-psi maximum operating pressure
- Qualified with MatchMate Plus TTC and TTC12 fittings
- Customized jack hose layline
- FC579 2-wire braid construction in -4 and -6 sizes and FC616 4-wire spiral construction in a -6 size
- Abrasion resistant, MSHA approved cover

Benefits

- Ideal for even the most demanding hydraulic jacking applications
- Easy to assemble
- Easily recognized as an approved hydraulic jacking hose
- Available in multiple sizes and constructions to meet varying needs
- Meets the most stringent safety standards in the industry





SPECIFICATIONS

PART NUMBER	HOSE I.D.	HOSE O.D.	MAXIMUM OPERATING PRESSURE	MINIMUM BURST PRESSURE	MINIMUM BEND RADIUS	WEIGHT PER FOOT
	INCHES	INCHES	PSI	PSI	INCHES	POUNDS
#	○	○	○	○	○	○
FC579-04	.25	.53	10,000	20,000	4.00	.22
FC579-06	.38	.75	10,000	20,000	5.00	.38
FC616-06	.38	.79	10,000	20,000	5.00	.47

SPECIFICATIONS

HOSE	CONSTRUCTION MATERIALS	REINFORCEMENT	FITTINGS
FC579	Synthetic rubber tube and cover	2-wire braid	TTC and Global skive
FC616	Synthetic rubber tube and cover	4-wire spiral	TTC12

⚠ WARNING: It is important to use the correct fittings with any hose product to ensure a proper connection. Use only the fittings suggested by Eaton for this hose product. Mixing fittings and hose made by different manufacturers can lead to an unstable condition, due to differences in manufacturing techniques and tolerances. Such connections can fail and have the potential to spray and cause personal injury and property damage.



The Shubert Theater in Minneapolis, Minnesota, was positioned onto its new foundation with the assistance of 70 dollies and 100 hydraulic jacks equipped with Aeroquip jack hose. (Photo by Artspace Projects, Inc., Minneapolis, MN, © copyright 1999)



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