

Eaton Aeroquip® FC500 X-FLEX™ Spiral Hose



Super Flexible, Very High Pressure Spiral Hydraulic Hose!



Eaton's Aeroquip X-FLEX hose with global spiral TTC fittings offers flexibility for any application. With its one-piece Aeroquip Global Spiral TTC crimp fittings, hose assemblies are easy to build since skiving the hose is not required.

Eaton's Aeroquip® FC500 X-FLEX™ high pressure spiral hose incorporates the latest technologies in cover, lino and tube compounds, and spiral wire reinforcement. Utilizing these advanced materials along with state-of-the-art manufacturing technology, Eaton has achieved dramatic improvement in flexibility in this R13 performance hose.

X-Flex combines best practices from acquisitions, leveraging strategic supplier relationships for new materials, new hose manufacturing technologies, and advanced engineering creating a new hose with enhanced flexibility. Anyone who has ever wrestled with a stiff hydraulic hose will recognize the advantage of a 46% reduction in force-to-bend.

Typical applications for a 5,100 psi high pressure hose are found in a breadth of mobile and industrial areas. Ideal applications include construction equipment, such as excavators, back-hoe loaders, bulldozers, and forestry equipment like feller-bunchers or grapples. Stationary in-plant equipment such as injection molding and forming are also ideal applications. This new hose will not only provide excellent performance in flexing applications but makes it easier for handling in the shop and in routing on new and replacement applications.

Features

- 46% improvement in force-to-bend
- 1/2 SAE minimum bend radius in sizes -12 through -24
- Meets 5100 psi working pressure in all sizes
- Rugged, abrasion resistant cover – DURA-TUFF™
- Meets and exceeds SAE 100R13 performance requirements
- MSHA approved

Benefits

- Easier to handle in the shop
- Easier to plumb new and replacement hose assemblies on equipment
- Longer life in abrasive applications

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Aeroquip® X-FLEX™ FC500 hose

Meets or exceeds SAE 100R13
Performance



# Part Number	DN	I.D.		O.D.		Max. Operating Pressure		Min. Burst Pressure		Min. Bend Radius		Weight	
		mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
FC500-12	19	19,1	0.75	32,0	1.26	350	5100	1400	20400	121	4.75	1,24	0.84
FC500-16	25	25,4	1.00	39,1	1.54	350	5100	1400	20400	152	6.00	1,85	1.24
FC500-20	31	31,8	1.25	47,0	1.85	350	5100	1400	20400	210	8.25	2,52	1.69
FC500-24	38	38,1	1.50	55,1	2.17	350	5100	1400	20400	254	10.00	3,35	2.25
FC500-32	51	50,8	2.00	72,6	2.86	350	5100	1400	20400	476	18.75	6,05	4.06

Application

- High pressure hydraulic system service with petroleum and water-base fluids for low temperature applications

Construction

- Synthetic rubber inner tube,
 - 4-heavy spiral wire reinforcement (sizes -12 to -24),
 - 6-heavy wire spiral reinforcement (size -32)
- DURA-TUFF™ rubber cover

Qualified Fittings

- Global Spiral TTC Fittings

Operating Temperature

-40°C to 127°C
(-40°F to 260°F)

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