

Eaton's Aeroquip® 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.

The newest addition to Eaton's Aeroquip® family of spiral high pressure hose styles incorporates the latest technologies in cover, leno 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.

The new X-FLEX™ combines best practices from recent 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 5,000 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
- Meets 5076 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

EATON

Powering Business Worldwide

Aeroquip® X-FLEX™ FC500 hose

High Pressure Hydraulics



Part Number	I.D. mm/in	O.D. mm/in	Max. Operating Pressure bar/psi	Min. Burst Pressure bar/psi	Min. Bend Radius mm/in	Weight kg/m/lb/ft
FC500-12	19.1/0.75	22.1/1.26	350/5076	1380/20304	121/4.75	1.24/0.84
FC500-16	25.4/1.00	29.8/1.54	350/5076	1380/20304	152/6.00	1.85/1.24
FC500-20	31.8/1.25	36.0/1.85	350/5076	1380/20304	210/8.25	2.52/1.69
FC500-24	38.1/1.50	55.1/2.17	350/5076	1380/20304	254/10.00	3.35/2.25
FC500-32	50.8/2.00	72.6/2.86	350/5076	1380/20304	318/12.50	6.05/4.06

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

Operating Temperature Range

-40°C to 127°C
(-40°F to 260°F)

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) and our DURA-TUFF™ rubber cover.

Qualified Fittings

Global Spiral TTC Fittings

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