



Super Flexible, High Pressure 5000+ psi Hydraulic Hose



New, very flexible, very high pressure hydraulic hose offers excellent performance along with the proven reliability of Weatherhead® brand products.

The WeatherFORCE® family of high pressure hose styles incorporates the latest technologies in cover, 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 H471 combines best practices from recent acquisitions, leveraging strategic supplier relationships for new materials, new hose manufacturing technologies, and advanced engineering creating a new spiral 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 very 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, -16, -20, -24
- Meets 5076 psi (350bar) working pressure in all sizes
- Rugged, abrasion resistant cover
- 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



Powering Business Worldwide

Weatherhead® H471 WeatherFORCE - FLEX 5000™ hose



SAE 100R13, EN856 Type R13, ISO 3862, Type R13 Performance

#						
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
H47112	19.1/0.75	32.0/1.26	350/5076	1380/20304	121/4.75	1.24/0.84
H47116	25.4/1.00	39.1/1.54	350/5076	1380/20304	152/6.00	1.85/1.24
H47120	31.8/1.25	47.0/1.85	350/5076	1380/20304	210/8.25	2.52/1.69
H47124	38.1/1.50	55.1/2.17	350/5076	1380/20304	254/10.00	3.35/2.25

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.

Construction

Synthetic rubber tube, multiple heavy spiral wire reinforcement and black synthetic rubber cover.

4 - Spiral -12, -16, -20, -24

Qualified Hose Ends

WeatherheadTIGHT® 4SP hose ends.

Eaton
Hydraulics Group USA
14615 Lone Oak Road
Eden Prairie, MN 55344
USA
Tel: 952-937-9800
Fax: 952-294-7722
www.eaton.com/hydraulics

Eaton
Hydraulics Group Europe
Route de la Longeraie 7
1110 Morges
Switzerland
Tel: +41 (0) 21 811 4600
Fax: +41 (0) 21 811 4601

Eaton
Hydraulics Group Asia Pacific
Eaton Building
4th Floor, No. 3 Lane 280 Linhong Rd.
Changning District
Shanghai 200335
China
Tel: (+86 21) 5200 0099
Fax: (+86 21) 5200 0400



Powering Business Worldwide

© 2010 Eaton Corporation
All Rights Reserved
Printed in USA
Document No. W-HOHP-MS001-E1
September 2010