Eaton’s EC600 is a more flexible SAE 100R15 spiral hose to complement the current offering of Eaton’s FC500 X-FLEX™ SAE 100R13 spiral hose offering. FC500 & EC600 were designed to perform in very demanding high impulse applications at 50% of the SAE 100R13 and SAE 100R15 bend radii, respectively.

In order to install a spiral hose in a much smaller area, Eaton designed our X-FLEX spiral hoses to be up to 38% more flexible for easier handling during installation. EC600 hose meets and exceeds SAE 100R15 performance at ½ the bend radius of a standard SAE 100R15 hose. EC600 has been tested to over 1.3 million impulse cycles with an operating pressure of 420 bar (6100psi).

EC600 high pressure spiral hydraulic hose was designed to meet the most demanding applications where very high pressure and the need for easy installation in tight spaces come together. EC600 X-FLEX hydraulic hose exceeds SAE 100R15 performance and ISO 18752.

**Application**

High pressure hydraulic circuits on mobile construction equipment, mining equipment, and industrial applications for pressures up to 420 bar.

**Features**

- 4/6 spiral wire reinforcement
- Highly abrasion resistant DURA-TUFF™ cover
- ½ Bend radius vs SAE 100R15
- Improved force-to-bend
- SAE J1176 – Class 0 cool down leakage
- Hose materials meet global REACH requirements
- Exceeds 100R15 and ISO 18752 performance
- New generation inner tube with 5x longer life than typical 2SC hose

**Benefits**

- Reduction in weight of spiral hose assembly and better hose flexibility
- Offers longer hose life in applications that see high abrasion
- 1/2 bend radius can reduce the hose length requirement and extend hose life in certain applications
- Improved flexibility for easier installation in tight spaces
- No fluid leakage between hose and fitting when machine is shut down and system cools
- Longer hose assembly life means more uptime and reduced overall operating costs
**Premium**

**EC600 X-FLEX hydraulic hose**

Exceeds SAE 100R15, ISO 18752 performance

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**Inner tube:**
Synthetic rubber

**Reinforcement:**
- 4 wire spiral:
  - -12, -16 size
- 6 wire spiral:
  - -20, -24, -32 size

**Cover:**
DURA-TUFF high abrasion synthetic rubber

**Typical application:**
High pressure hydraulic system service with petroleum and water-based fluids, for general industrial service.

**MSHA approved**

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**Operating temperature:**
-40°C to +121°C (-40°F to +250°F)

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**Construction**
- Synthetic rubber tube
- 4/6 Spiral wire reinforcement
- Highly abrasion resistant DURA-TUFF cover
- Ink transfer layline

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**Agency listing**
- MSHA
- DNV
- ABS
- U.S. Coast Guard

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**Approved fittings**
- 4S and 6S fitting series:
  - *SAE 100R15 ½ Bend & ISO 18752-CC*
- 1W fitting series:
  - SAE 100R15 ½ Bend & ISO 18752-DC (-12 through -24 sizes)

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---|---|---|---|---|---
EC600-12 DC | 19.1 0.75 | 32.2 1.27 | 420 6,100 | 1,680 24,400 | 135 5.31 1.52 1.01
EC600-16 DC | 25.4 1.00 | 38.6 1.52 | 420 6,100 | 1,680 24,400 | 165 6.5 2.04 1.36
EC600-20 DC | 31.8 1.25 | 49.7 1.96 | 420 6,100 | 1,680 24,400 | 225 8.86 3.89 2.61
EC600-24 DC | 38.1 1.50 | 58.5 2.30 | 420 6,100 | 1,680 24,400 | 265 10.43 4.83 3.24
*EC600-32 CC | 50.8 2.00 | 72.0 2.83 | 420 6,100 | 1,680 24,400 | 375 14.76 7.1 4.77

*With the 6S fitting the -32 size working pressure is 380 bar (5500 psi) with a 4:1 safety factor

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