Eaton Aeroquip® Triple Crown

Triple Crown
- Higher Pressures
- Improved Temperatures
- Improved Abrasion Resistance
Eaton Aeroquip®
Triple Crown

Better in every way that matters

Eaton engineering does it again. Select Aeroquip hydraulic hoses, including new MatchMate® Global hoses, offer distinct advantages in three key areas.

1. **Pressure**
   Designed for higher working pressures to provide higher performance levels.

2. **Temperature**
   Improved working temperatures provide higher performance levels.

3. **Abrasion Resistance**
   Aeroquip DURA-TUFF™ cover - made for longer service life than traditional rubber covered hose

The Eaton Aeroquip® Triple Crown = Pressure + Temperature + Abrasion Resistance

Our customers work in some of the most demanding industries, such as construction, refuse, agriculture, mining, and oil and gas. Their applications challenge the strength and durability of even the toughest components.

Select Aeroquip hydraulic hoses, including new MatchMate® Global hoses and FC254 hose, feature improved hose construction technologies such as, improved wire reinforcement designs and processing, new insulation materials, and improved hose manufacturing processes. Aeroquip Triple Crown means higher pressure ratings, improved working temperatures, and better abrasion resistance leading to longer hose life in applications requiring higher levels of performance.

For hydraulic hoses that deliver under pressure—and heat and abrasion—turn to Eaton’s Aeroquip products.
Raise Your Standards with Eaton's Aeroquip MatchMate Global Hose with the Triple Crown

Our improved designs have enabled us to increase pressures on select Aeroquip hose styles by an average of 24% over the competition.

Improvements in higher hose operating temperatures are the direct result of Eaton’s advancements in rubber technology. Eaton now has the highest temperature ratings compared to similar competitive products designed to meet EN specifications. Select Aeroquip braided and spiral hose part numbers now meet -40°C to +127°C (-40°F to +260°F).

Aeroquip DURA-TUFF™ cover for better abrasion. More resistant than the traditional rubber covers.

Benefits to you…

- Higher pressures and temperatures can extend the life of a hydraulic hose in a typical application.
- Hose products to meet market needs with a better long-term value.
- Meet the requirements of today’s higher pressure hydraulic systems being introduced into the market.

Some highlights of these hose products include:

**GH663**
1-Wire Braided Construction
Exceeds EN853 Type 1SN requirements
Exceeds SAE 100R1AT Type S requirements
Qualified fitting: TTC Series (non-skive) and global braided (skive) nipples with 1SA sockets
DURA-TUFF abrasion resistant cover
1/2 SAE minimum bend radius

**GH120**
2-Wire Braided Construction
Exceeds EN857 Type 2SC performance
Exceeds SAE 100R16 Type S low temperature performance -57°C to +100°C (-70°F to +212°F)
Qualified fitting: TTC Series (non-skive) and global braided (skive) nipples with 1SB sockets
DURA-TUFF abrasion resistant cover
1/2 SAE minimum bend radius

**GH781**
2-Wire Braided Construction
Exceeds EN857 Type 2SC requirements
Exceeds SAE 100R16 Type S requirements
Qualified fitting: TTC Series (non-skive) and global braided (skive) nipples with 1SB sockets
DURA-TUFF abrasion resistant cover
1/2 SAE minimum bend radius

**GH793**
2-Wire Braided Construction
Exceeds EN853 Type 2SN requirements
Exceeds SAE 100RAT Type S requirements
Qualified fitting: TTC Series (non-skive) and global braided (skive) nipples with 1SB sockets
DURA-TUFF abrasion resistant cover

**GH493**
4-Wire Spiral Construction
Exceeds SAE 100R12 requirements and meets EN856 Type 4SP performance in sizes -8 thru -16
Qualified Fitting: TTC12 Series
DURA-TUFF abrasion resistant cover
1/2 SAE minimum bend radius

**FC254**
4-Wire Heavy Spiral Construction
Exceeds EN856 Type 4SH performance
Exceeds SAE 100R11 performance
Qualified fitting: Global Spiral TTC & ISC
DURA-TUFF abrasion resistant cover
GH663 MatchMate Global™
1/2 SAE Bend Radius
Meets and exceeds
SAE 100R1AT Type S, EN853 1SN, ISO 1436-1 Type 1SN

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Construction:
- Tube: Synthetic rubber tube
- Reinforcement: Single wire braid
- Cover: DURA-TUFF™ synthetic rubber

Operating Temperature:
-40°C to +127°C  (-40°F to +260°F)

Application:
- Hydraulic system service with petroleum and water-based fluids, for general industrial service.

Qualified Fittings:
- TTC Series (non-skive) and Global Braided (skive) nipples with 1SA sockets
- MSHA Accepted ISO 1436a Marine Application J1942/1 Hydraulic Service

GH120 MatchMate ICE™
Cold Temperature Applications
Meets and exceeds
SAE 100R16 Type S, EN857 Type 2SC Performance

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Construction:
- Tube: Aeroquip brand exclusive low temperature compound
- Reinforcement: Double wire braid
- Cover: DURA-TUFF™ synthetic rubber

Operating Temperature:
-57°C to +100°C  (-70°F to +212°F)

Application:
- Low temperature flexing and hydraulic system service with petroleum and water-based fluids. For use in frigid environments on construction equipment and other mobile applications.

Qualified Fittings:
- TTC Series (non-skive)
- Global Braided (skive) nipples* with 1SB sockets
* -04 thru -20 only
GH781 MatchMate Global™
Meets and exceeds
SAE 100R16 Type S, EN857 2SC, ISO 11237-1 Type 2SC

Construction:
Meets or exceeds EN requirements at 1/2 SAE Bend Radius.
Tube: Synthetic rubber
Reinforcement: Double wire braid
Cover: DuRA-TuFF™ synthetic rubber

Operating Temperature:
-40°C to +127°C (-40°F to +260°F)
Application: • Hydraulic system service with petroleum and water-based fluids, for general industrial service.

Qualified Fittings: TTC Series (non-skive) and Global Braided (skive) nipples with 1SB sockets

GH781 MatchMate Global™
Meets and exceeds
SAE 100R2AT Type S, EN853 2SN, ISO 1436-1 Type 2SN

Construction:
Tube: Synthetic rubber
Reinforcement: Double wire braid
Cover: DuRA-TuFF™ synthetic rubber

Operating Temperature:
-57°C to +100°C (-70°F to +212°F)
Application: • Hydraulic system service with petroleum and water-based fluids, for general industrial service.

Qualified Fittings: TTC Series (non-skive) and Global Braided (skive) nipples with 1SB sockets

MSHA Accepted
Marine Application J1942/1 - Hydraulic only
## GH493 MatchMate Global™

1/2 SAE Bend Radius

Meets and exceeds
SAE 100R12, EN856 Type R12, EN856 4SP Performance (-8 thru -16)

<table>
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**Construction:**
- **Tube:** Synthetic rubber
- **Reinforcement:** 4-spiral wire
- **Cover:** DURA-TUFF™ synthetic rubber

**Operating Temperature:**
-40°C to +127°C
(-40°F to +260°F)

**Application:**
- Hydraulic system service with petroleum and water-based fluids, for general industrial service.

**Qualified Fittings:**
- TTC12 Series
- MSHA Accepted
- Marine Application J1942/1
- Hydraulic Only, ABS
**FC254 Very High Pressure Hose**

Meets and exceeds

SAE 100R11, EN856 4SP Performance

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### Construction:
- **Tube:** Synthetic rubber
- **Reinforcement:** 4-heavy spiral wire
- **Cover:** DURA-TUFF™ synthetic rubber

### Operating Temperature:
- -40°C to +127°C
- (-40°F to +260°F)

### Application:
- Hydraulic system service with petroleum and water-based fluids, for general industrial service.

### Qualified Fittings:
- Global Spiral TTC & ISC

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* Available with Bruiser cover as FC854-08.