

Eaton Aeroquip® Triple Crown

Better in every way that matters



Triple Crown

- Pressure
- Temperature
- Abrasion Resistance

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

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Aeroquip
Triple Crown

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

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

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

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

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

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









GH493 MatchMate Global™
1/2 SAE Bend Radius

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



- Triple Crown**
- Pressure
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# Part No.	DN	 Hose I.D.		 Hose O.D.		 Max Operating Pressure		 Burst Pressure		 Minimum Bend Radius		 Weight	
		mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
GH493-6	10	9,7	0.38	20,1	0.79	448	6500	1792	26000	62,5	2.50	0,70	0.47
GH493-8	12	12,7	0.50	23,4	0.92	415	6000	1660	24000	90,0	3.50	0,88	0.59
GH493-10	16	16,0	0.63	28,2	1.11	415	6000	1660	24000	100,0	4.00	1,03	0.69
GH493-12	19	19,1	0.75	30,5	1.20	380	5500	1520	22000	120,0	4.75	1,37	0.92
GH493-16	25	25,4	1.00	37,6	1.48	350	5100	1400	20400	150,0	6.00	1,82	1.22
GH493-20	31	31,8	1.25	46,5	1.83	310	4500	1240	18000	210,0	8.25	2,44	1.64
GH493-24	38	38,1	1.50	53,8	2.12	275	4000	1100	16000	250,0	10.00	3,12	2.10
GH493-32	51	50,8	2.00	67,1	2.64	275	4000	1100	16000	320,0	12.50	4,18	2.81

Construction:
Tube: Synthetic rubber
Reinfortment: 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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#													
Part No.	DN	Hose I.D.		Hose O.D.		Max Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight	
		mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
FC254-08*	12	12,7	0.50	24,9	0.98	5300	7700	21200	30800	203,2	8.00	0,70	0.47
FC254-12	19	19,1	0.75	32,0	1.26	4970	7200	19880	28800	279,4	11.00	0,88	0.59
FC254-16	25	25,4	1.00	38,6	1.52	4150	6000	16600	24000	304,8	12.00	1,03	0.69
FC254-20	31	31,8	1.25	45,7	1.80	3500	5100	14000	20400	419,1	17.00	1,37	0.92
FC254-24	38	38,1	1.50	54,1	2.13	3000	4350	12000	17400	508,0	20.00	1,82	1.22
FC254-32	51	50,8	2.00	68,1	2.68	2750	4000	11000	16000	635,0	25.00	2,44	1.64

* Available with BRUISER cover as FC854-08.

Construction:
Tube: Synthetic rubber
Reinfortment: 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