

# Triple Crown Advantage:

- Higher Pressures
- Improved Temperatures
- Improved Abrasion Resistance



**EATON**

*Powering Business Worldwide*

# Raise Your Standards with Eaton's Aeroquip MatchMate Global Hose Product with the Triple Crown Advantage

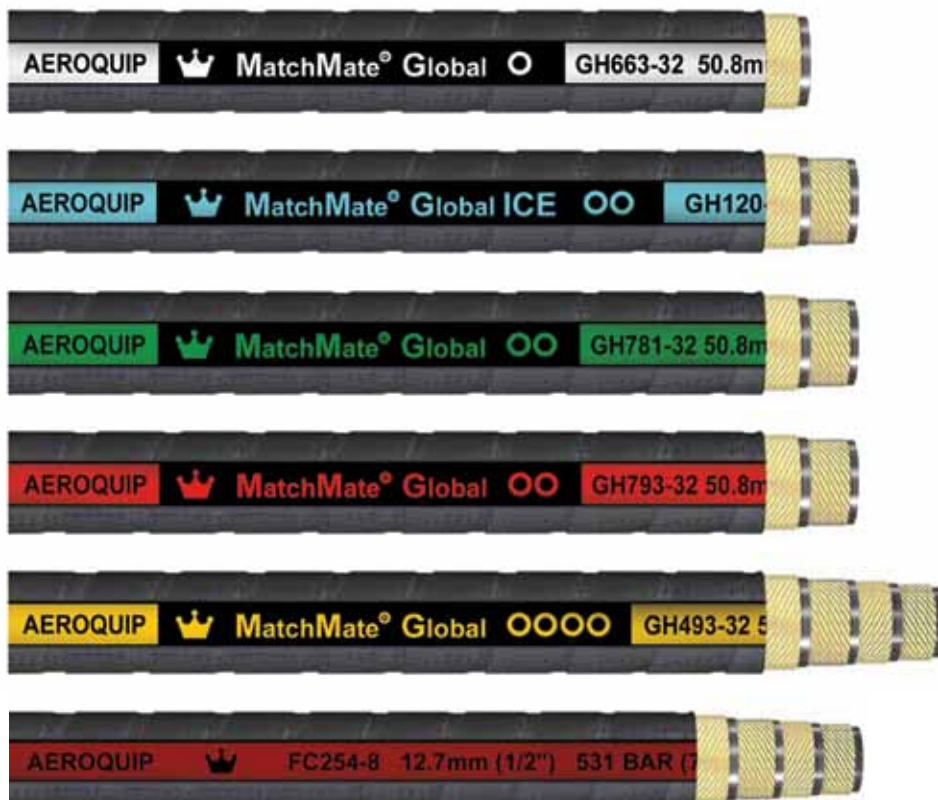
Our improved designs have enabled us to increase pressures on select Aeroquip hose styles by an average of 24% over the competition.

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).

New DURA-TUFF™ covers have been improved for better protection against abrasion, and are now more abrasion resistant than 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.
- Meets the requirements of today's higher pressure hydraulic systems being introduced into the market.



# MatchMate Global™ HI-IMPULSE

## GH663

Meets and exceeds  
SAE 100R1AT Type S, EN853 1SN, ISO 1436-1 Type 1SN



### Triple Crown Advantage

- Pressure
- Temperature
- Abrasion Resistance



# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
GH663-4	6,4	0.25	13,5	0.53	255	3,700	1,020	14,800	100,0	4.00	0,24	0.16
GH663-6	9,7	0.38	17,5	0.69	235	3,400	940	13,600	125,0	5.00	0,37	0.25
GH663-8	12,7	0.50	20,6	0.81	200	2,900	800	11,600	180,0	7.00	0,45	0.30
GH663-12	19,1	0.75	27,8	1.09	138	2,000	552	8,000	241,3	9.50	0,67	0.45
GH663-16	25,4	1.00	35,8	1.41	103	1,500	412	6,000	304,8	12.00	1,01	0.68
GH663-20	31,8	1.25	43,4	1.71	69	1,000	276	4,000	419,1	16.50	1,31	0.88
GH663-24	38,1	1.50	50,6	1.99	52	750	208	3,000	508,0	20.00	1,56	1.05
GH663-32	50,8	2.00	64,0	2.52	41	600	164	2,400	635,0	25.00	1,95	1.31

#### Construction:

Synthetic rubber tube, single wire braid reinforcement and DURA-TUFF™ synthetic rubber cover.

#### Temp. Range:

-40°C to +127°C  
(-40°F to +260°F)

#### Typical Application:

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

#### For Complete Agency Listings:

See pages 346-348 in catalog # A-HOOV-MC001-E1.

#### Qualified Fittings:

TTC Series (non-skive) and Global Braided (skive) nipples with 1SA sockets

#### MSHA Accepted ISO 1436a Marine Application J1942/1 Hydraulic Service

# MatchMate ICE™

## Cold Temperature Applications

### GH120

Meets and exceeds  
SAE 100R16 Type S, EN857 Type 2SC Performance



#### Triple Crown Advantage

- Pressure
- Temperature
- Abrasion Resistance



# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
GH120-4	6,4	0.25	14,2	0.56	414	6,000	1656	24,000	50,8	2.00	0,30	0.20
GH120-6	9,7	0.38	17,3	0.68	345	5,000	1380	20,000	63,5	2.50	0,40	0.27
GH120-8	12,7	0.50	20,8	0.82	310	4,500	1240	18,000	88,9	3.50	0,58	0.39
GH120-10	16,0	0.63	24,9	0.98	276	4,000	1104	16,000	101,6	4.00	0,74	0.50
GH120-12	19,1	0.75	28,4	1.12	241	3,500	964	14,000	120,7	4.75	0,92	0.62
GH120-16	25,4	1.00	35,8	1.41	193	2,800	772	11,200	152,4	6.00	1,22	0.82
GH120-20	31,8	1.25	43,4	1.71	159	2,300	636	9,200	209,6	8.25	1,60	1.07
GH120-24	38,1	1.50	51,6	2.03	138	2,000	552	8,000	254,0	10.00	2,11	1.42
GH120-32	50,8	2.00	63,8	2.51	103	1,500	412	6,000	317,5	12.50	2,80	1.88

#### Construction:

Aeroquip brand exclusive low temperature compound tube and cover, double wire reinforcement, DURA-TUFF™ synthetic rubber cover.

#### Temp. Range:

-57°C to +100°C  
(-70°F to +212°F)

#### Typical Application:

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

#### Qualified Fittings:

TTC Series (non-skive) and Global Braided (skive) nipples\* with 1SB sockets

\*.04 thru .20 only

#### For Complete Agency Listings:

See pages 346-348 in catalog # A-HOOV-MC001-E1.

# MatchMate Global™ HI-IMPULSE

## GH781

Meets and exceeds  
SAE 100R16 Type S, EN857 2SC, ISO 11237-1 Type 2SC



### Triple Crown Advantage

- Pressure
- Temperature
- Abrasion Resistance



# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
GH781-4	6,4	0.25	13,5	0.53	448	6,500	1792	26,000	50,8	2.00	0,33	0.22
GH781-6	9,7	0.38	17,5	0.69	366	5,300	1464	21,200	63,5	2.50	0,43	0.29
GH781-8	12,7	0.50	20,6	0.81	310	4,500	1240	18,000	88,9	3.50	0,58	0.39
GH781-10	15,9	0.63	23,6	0.93	276	4,000	1104	16,000	101,6	4.00	0,65	0.44
GH781-12	19,1	0.75	27,9	1.10	241	3,500	964	14,000	120,7	4.75	0,79	0.53
GH781-16	25,4	1.00	36,1	1.42	207	3,000	828	12,000	152,4	6.00	1,07	0.72
GH781-20	31,8	1.25	41,9	1.65	172	2,500	688	10,000	209,6	8.25	1,62	1.09
GH781-24	38,1	1.50	51,6	2.03	138	2,000	552	8,000	254,0	10.00	2,08	1.40
GH781-32	50,8	2.00	64,3	2.53	110	1,600	440	6,400	317,5	12.50	2,83	1.90

#### Construction:

Synthetic rubber tube, double wire braid reinforcement and DURATUFF™ synthetic rubber cover. Meets or exceeds EN requirements at 1/2 SAE Bend Radius.

#### Temp. Range:

-40°C to +127°C  
(-40°F to +260°F)

#### Typical Application:

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

#### For Complete Agency Listings:

See pages 346-348 in catalog # A-HOOV-MC001-E1.

#### Qualified Fittings:

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

#### MSHA Accepted Marine Application J1942/1 - Hydraulic only

# MatchMate Global™ HI-IMPULSE

## GH793

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



### Triple Crown Advantage

- Pressure
- Temperature
- Abrasion Resistance



# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
GH793-4	6,4	0.25	15,2	0.60	448	6,500	1792	26,000	101,6	4.00	0,39	0.26
GH793-6	9,7	0.38	19,1	0.75	400	5,800	1600	23,000	127,0	5.00	0,57	0.38
GH793-8	12,7	0.50	22,1	0.87	310	5,000	1380	20,000	177,8	7.00	0,68	0.46
GH793-10	16,0	0.63	24,9	0.98	276	4,000	1104	16,000	203,2	8.00	0,80	0.54
GH793-12	19,1	0.75	29,5	1.16	241	3,500	964	14,000	241,3	9.50	0,98	0.66
GH793-16	25,4	1.00	38,1	1.50	207	3,000	828	12,000	304,8	12.00	1,50	1.01
GH793-20	31,8	1.25	48,8	1.92	172	2,500	688	10,000	419,1	16.50	2,29	1.54
GH793-24	38,1	1.50	54,6	2.15	138	2,000	552	8,000	508,0	20.00	2,50	1.68
GH793-32	50,8	2.00	63,8	2.51	110	1,600	440	6,400	635,0	25.00	3,30	2.22

#### Construction:

Synthetic rubber tube, double wire braid reinforcement and DURA-TUFF™ synthetic rubber cover.

#### Temp. Range:

-40°C to +127°C  
(-40°F to +260°F)

#### Typical Application:

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

#### For Complete Agency Listings:

See pages 346-348 in catalog # A-HOOV-MC001-E1.

#### Qualified Fittings:

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

#### MSHA Accepted Marine Application J1942/1 - Hydraulic only

# MatchMate Global™ 1/2 SAE Bend Radius

## GH493

Meets and exceeds

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



### Triple Crown Advantage

- Pressure
- Temperature
- Abrasion Resistance



# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
GH493-6	9,7	0.38	20,1	0.79	448	6,500	1792	26,000	62,5	2.50	0,70	0.47
GH493-8	12,7	0.50	23,4	0.92	414	6,000	1656	24,000	90,0	3.50	0,88	0.59
GH493-10	16,0	0.63	28,2	1.11	414	6,000	1656	24,000	100,0	4.00	1,03	0.69
GH493-12	19,1	0.75	30,5	1.20	379	5,500	1516	22,000	120,0	4.75	1,37	0.92
GH493-16	25,4	1.00	37,6	1.48	352	5,100	1408	20,400	150,0	6.00	1,82	1.22
GH493-20	31,8	1.25	46,5	1.83	310	4,500	1240	18,000	210,0	8.25	2,44	1.64
GH493-24	38,1	1.50	53,8	2.12	276	4,000	1104	16,000	250,0	10.00	3,12	2.10
GH493-32	50,8	2.00	67,1	2.64	276	4,000	1104	16,000	320,0	12.50	4,18	2.81

### Construction:

Synthetic rubber tube, 4-spiral wire reinforcement and DURA-TUFF™ synthetic rubber cover.

### Temp. Range:

-40°C to +127°C  
(-40°F to +260°F)

### Typical Application:

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

### For Complete Agency Listings:

See pages 346-348 in catalog # A-HOOV-MC001-E1.

### Qualified Fittings:

TTC12 Series

**MSHA Accepted  
Marine Application J1942/1  
Hydraulic Only, ABS**

# Very High Pressure Hose

## FC254

Meets and exceeds  
SAE 100R11, EN856 4SH Performance



### Triple Crown Advantage

- Pressure
- Temperature
- Abrasion Resistance



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
FC254-08*	12,7	0.50	24,9	0.98	531,0	7,700	2124,0	30,800	203,2	8.00	0,70	0.47
FC254-12	19,1	0.75	32,0	1.26	496,0	7,200	1986,0	28,800	279,4	11.00	0,88	0.59
FC254-16	25,4	1.00	38,6	1.52	407,0	5,900	1627,0	23,600	304,8	12.00	1,03	0.69
FC254-20	31,8	1.25	45,7	1.80	352,0	5,100	1407,0	20,400	419,1	16.50	1,37	0.92
FC254-24	38,1	1.50	54,1	2.13	300,0	4,350	2000,0	17,400	508,0	20.00	1,82	1.22
FC254-32	50,8	2.00	68,1	2.68	276,0	4,000	1100,0	16,000	635,0	25.00	2,44	1.64

\* Available with BRUISER cover as FC854-08.

### Construction:

Synthetic rubber tube, 4-heavy spiral wire reinforcement and DURA-TUFF™ synthetic rubber cover.

### Temp. Range:

-40°C to +127°C  
(-40°F to +260°F)

### Typical Application:

Hydraulic system service with petroleum and water-base fluids, for general industrial use.

### Qualified Fittings:

Global Spiral TTC & ISC

### For Complete Agency Listings:

See pages 346-348  
in catalog #  
A-HOOV-MC001-E1.



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](http://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