

Success made simple.

The new standard for hydraulic
hose and fittings.



Powering Business Worldwide

Sometimes less is more.

Fewer products, smarter choices.

Eaton is taking a new approach to helping you succeed by reducing the complexity of our hydraulics hose and fittings product offering, while developing new, more intuitive ways to help you find the right product fast. We know that your workforce demographics, regulatory environment and global economics require a new approach, and we're proactively leading the charge with a smaller—but smarter—hydraulics offering to help you spend less time combing through product options and more time competing in expanded markets, improving responsiveness, and closing new business.




















Premium

Our new core premium hoses for OEM or aftermarket use exceed industry standards for pressure, temperature and abrasion resistance, with options adapted to handle your toughest jobs. Look for 🏆 Triple Crown hoses for the highest pressure and temperature ratings to extend the life of your hose.

Standard

Eaton Winner® hoses meet all industry standards for pressure, temperature and abrasion resistance, offering the right product at a competitive price point for OEM markets.



	Premium	Premium Low Temp.	Premium High Temp.	Premium Abrasion	Standard
Operating Temperature Range	 High: 126°C Low: -40°C	 High: 100°C Low: -57°C	 High: 150°C Low: -40°C	 High: 100°C Low: -40°C	 High: 100°C Low: -40°C
Cover Abrasion Resistance	 DURA-TUFF™ Coverings (8x greater than standard)			 BRUISER Coverings (700x greater than standard)	 Standard Abrasion (10,000 Cycles per ISO 6945)
Bend Radius	 1/2 bend	 1/2 bend	 Full bend	 1/2 bend	 1/2 bend
Impulse Life	 Eaton Premium: All premium hoses exceed industry specifications for impulse cycles.				 Eaton Standard
Fluid Compatibility and Rubber Compounding	 Eaton Premium				 Eaton Standard
Certifications	SAE EN ISO Customer specs	SAE EN MSHA Customer specs	SAE EN MSHA Customer specs	SAE EN DNV Customer specs	SAE EN MSHA Customer specs

Fittings



TTC Series

Eaton's best selling one-piece "Bite-the-wire" style hose fitting that is qualified with virtually all Aeroquip one and two wire braided hydraulic hoses.



4S/6S Spiral Series

A higher performing spiral hose assembly for the most demanding applications while using a simple more user-friendly hose and hose fitting assembly process. Industry leading class "0" cool-down leakage and higher operating performance.



Two-piece Winner

A competitive non-skive two-piece hose fitting that is qualified with the Eaton Winner standard hoses.

1-Wire Braided

Premium

GH681 Hydraulic Hose









Triple Crown

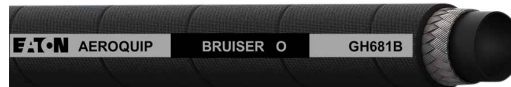
- Pressure
- Temperature
- Abrasion Resistance



Exceeds SAE 100R1 AT Type S, EN 857 1SC, ISO 1436-1 Type 1SC Performance

One million impulse cycle performance and 1/2 SAE bend radius

#													
Part number	Hose I.D.			Hose O.D. (maximum)		Max operating pressure		Minimum burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH681-3	5	4.8	0.19	11.5	0.45	250	3,625	1,000	14,500	45	1.77	0.19	0.13
GH681-4	6	6.4	0.25	13.5	0.53	255	3,700	1,020	14,800	50	1.97	0.21	0.14
GH681-5	8	7.9	0.31	14.5	0.57	225	3,250	900	13,000	55	2.17	0.22	0.15
GH681-6	10	9.5	0.38	16.9	0.66	235	3,400	940	13,600	63	2.48	0.31	0.21
GH681-8	12	12.7	0.50	20.4	0.80	221	3,200	883	12,800	90	3.54	0.43	0.29
GH681-10	16	15.9	0.63	23.0	0.91	140	2,025	559	8,100	100	3.94	0.42	0.28
GH681-12	19	19.0	0.75	26.7	1.05	138	2,000	552	8,000	120	4.72	0.56	0.37
GH681-16	25	25.4	1.00	34.9	1.37	103	1,500	414	6,000	150	5.91	0.80	0.54
GH681-20	31	31.8	1.25	42.3	1.67	69	1,000	276	4,000	210	8.27	1.01	0.68
GH681-24	38	38.1	1.50	48.9	1.93	52	750	207	3,000	250	9.84	1.19	0.80
GH681-32	51	50.8	2.00	65.5	2.58	41	600	166	2,400	315	12.40	1.92	1.29



Also available with Bruiser cover for higher abrasion resistance

Operating Temperature:

-46°C to +127°C (-50°F to +260°F)

Fittings:



TTC Series

Standard

EC115 Hydraulic Hose



Meets EN 857 Type 1SC

#												
Part number	Hose I.D.		Hose O.D. (maximum)		Max operating pressure		Minimum burst pressure		Minimum bend radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
EC115-04	6.4	0.25	13.5	0.53	225	3,250	900	13,000	50	1.97	0.18	0.12
EC115-05	7.9	0.31	14.5	0.57	215	3,125	860	12,500	55	2.17	0.20	0.13
EC115-06	9.5	0.38	16.9	0.67	180	2,600	720	10,400	63	2.48	0.26	0.17
EC115-08	12.7	0.50	20.4	0.80	160	2,300	640	9,200	90	3.54	0.34	0.23
EC115-10	15.9	0.62	23.0	0.91	130	1,900	520	7,600	100	3.94	0.42	0.28
EC115-12	19.0	0.75	26.7	1.05	105	1,525	420	6,100	120	4.72	0.50	0.34
EC115-16	25.4	1.00	34.9	1.37	88	1,275	352	5,100	160	6.30	0.74	0.50
EC115-20	31.8	1.25	42.4	1.67	63	925	252	3,700	210	8.27	0.99	0.67
EC115-24	38.1	1.50	49.0	1.93	50	725	300	4,350	300	11.81	1.20	0.81
EC115-32	50.8	2.00	62.0	2.44	40	580	220	3,190	400	15.75	1.50	1.01

Operating Temperature :

-40°C to +100°C (-40°F to +212°F)

Fittings:



TTC Series



Two-piece Winner

Inner Tube:

Synthetic rubber tube

Reinforcement:

One steel braid

Cover:

DURA-TUFF™ synthetic rubber

Typical Application:

Low & medium pressure hydraulic systems, petroleum & water-based fluids, construction equipment, and agriculture equipment.

MSHA Approved

Inner Tube:

Synthetic rubber tube

Reinforcement:

One steel braid

Cover:

Synthetic rubber cover

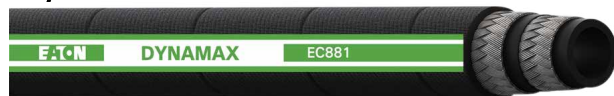
Typical Application:

Hydraulic system service with petroleum and waterbased fluids, for general industrial service.

MSHA Approved

Premium

EC881 Dynamax Hydraulic Hose



Exceeds SAE 100R16 Type S, EN 857 Type 2SC, ISO 11237-1 Type 2SC Performance

One Million impulse cycle performance and 1/3 SAE bend radius

#													
Part number	Hose I.D.			Hose O.D. (maximum)		Max operating pressure		Minimum burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
EC881-4	6	6.4	0.25	14.2	0.56	450	6525	1800	26100	33	1.30	0.32	0.22
EC881-5	8	7.9	0.31	16	0.63	400	5800	1600	23200	38	1.50	0.38	0.26
EC881-6	10	9.5	0.38	18.3	0.72	400	5800	1600	23200	42	1.65	0.42	0.28
EC881-8	12	12.7	0.50	21.5	0.85	360	5220	1440	20880	60	2.36	0.58	0.39
EC881-10	16	15.9	0.63	24.7	0.97	350	5075	1400	20300	68	2.68	0.75	0.50
EC881-12	19	19	0.75	28.6	1.13	330	4785	1320	19140	80	3.15	1.03	0.69
EC881-16	25	25.4	1.00	36.6	1.44	280	4060	1120	16240	150	5.91	0.47	0.99
EC881-20	31	31.8	1.25	44.3	1.74	172	2500	688	9980	210	8.27	1.75	1.18
EC881-24	38	38.1	1.50	52.8	2.08	138	2000	552	8000	250	9.84	1.91	1.28
EC881-32	51	50.8	2.00	65.5	2.58	110	1600	440	6400	315	12.40	2.62	1.76



Also available with Bruiser cover for higher abrasion resistance

Operating Temperature:

-46°C to +127°C (-50°F to +260°F)

Fittings:









Standard

EC215 Hydraulic Hose



Meets EN 857 Type 2SC

#												
Part number	Hose I.D.		Hose O.D. (maximum)		Max operating pressure		Minimum burst pressure		Minimum bend radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
EC215-04	6.4	0.25	14.2	0.56	400	5,800	1,600	23,200	50	1.97	0.28	0.19
EC215-05	7.9	0.31	16.0	0.63	350	5,100	1,400	20,400	55	2.17	0.33	0.22
EC215-06	9.5	0.38	18.3	0.72	345	5,000	1,380	20,000	65	2.56	0.41	0.28
EC215-08	12.7	0.50	21.5	0.85	275	4,000	1,100	16,000	90	3.54	0.57	0.38
EC215-10	15.9	0.62	24.7	0.97	250	3,650	1,000	14,600	100	3.54	0.68	0.46
EC215-12	19.0	0.75	28.6	1.13	215	3,125	860	12,500	120	4.72	0.81	0.54
EC215-16	25.4	1.00	36.6	1.44	165	2,400	660	9,600	160	6.30	1.17	0.79
EC215-20	31.8	1.25	45.1	1.78	125	1,800	500	7,200	250	9.84	1.56	1.05
EC215-24	38.1	1.50	52.3	2.06	100	1,450	400	5,800	300	11.81	1.81	1.22
EC215-32	50.8	2.00	64.2	2.53	90	1,300	380	5,500	400	15.75	2.36	1.59

Operating Temperature :

-40°C to +100°C (-40°F to +212°F)

Fittings:



Inner Tube:

Synthetic rubber tube

Reinforcement:

Two steel braids

Cover:

DURA-TUFF™ synthetic rubber

Typical Application:

Low & medium pressure hydraulic systems, petroleum & water-based fluids, construction equipment, agriculture equipment.

MSHA Approved

Inner Tube:

Synthetic rubber tube

Reinforcement:

Two steel braids

Cover:

Synthetic rubber cover

Typical Application:

Hydraulic system service with petroleum and waterbased fluids, for general industrial service.


MSHA Approved

A winning combination

If you have a **hose** failure it costs a lot in any applications. Hydraulic systems failure is critical, as they are including moving parts, under usually high pressure, using chemicals and oils.

Eaton's Aeroquip® Dynamax EC881 new high performing two wire braided hydraulic hoses are built to support efficiency, through decreasing maintenance and downtime costs, at high pressure and compact, demanding applications. Exceeding the standard, and offering the best-on-market combination for performance this hose was designed to last and withstand the toughest applications, offering lower maintenance costs and higher safety. *Significantly better flexibility for routing and higher performance (2 wire braided alternative where 4 spiral hose was necessary until in size 8 and 10) supporting buildings with smaller and better cost machines.*

Long lifecycle
is key in
Hydraulic hoses

Qualified to
1 Million impulse cycles 

"EC881"
Exceeds
5 times"
the standard
impulse cycles*

But EC881 offers significantly more



8 times higher
abrasion resistance



26% higher
working
temperature*



**High
pressure**
In average 35%
higher pressure
ratings
(up to 70% for size 16)

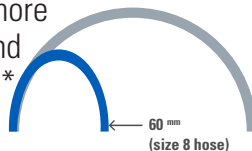
Results extended life

- ✓ Safer operations
- ✓ Lower maintenance
- ✓ Less time off from work
- ✓ Similar pressure tolerance as for spiral hose (for sizes -8 and -10)

Therefore saving \$

But
that is
not all

Over 50% more
flexibility and
bend radius*



therefore saving \$ and  by significantly reducing the hose needed for the machine

Imagine the possibilities

The new Aeroquip® Dynamax EC881

hose utilizes the next generation inner tube and "hybrid plies" reinforcement providing highest pressure similar to a spiral hose (for sizes -8 and -10) and lowest bending radius performance.

As a result EC881 provides exceptional flexibility (1/3 SAE bending radius), under high pressure.



Build a smaller



lighter



cheaper

machine



*Compared to Standard EN857 Type 2SC hoses

Premium

GH425 Hydraulic Hose



Exceeds EN856 4SP

#													
Part number	Hose I.D.			Hose O.D. (maximum)		Max operating pressure		Minimum burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH425-6	10	9.5	0.38	20.9	0.82	490	7100	1960	28400	180	7.09	0.70	0.47
GH425-8	12	12.7	0.50	24.4	0.96	420	6100	1680	24400	230	9.06	0.92	0.62
GH425-10	16	15.9	0.62	28.1	1.11	420	6100	1680	24400	250	9.84	1.13	0.76
GH425-12	19	19.1	0.75	32.9	1.30	380	5500	1520	22000	300	11.81	1.50	1.01
GH425-16	25	25.4	1.00	39.8	1.57	320	4650	1280	18600	340	13.39	2.15	1.44



Also available with Bruiser cover for higher abrasion resistance

Temp. Range:

-40°C to +100°C (-40°F to +212°F)

Fittings:



1T series (-6,-8,-10)
4S/6S series (-12,-16)

Inner Tube:

Synthetic rubber tube

Reinforcement:

Four wire spiral

Cover:

DURA-TUFF™ rubber cover

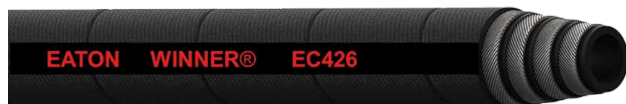
Typical Application:

High pressure hydraulic system service with petroleum and water-base fluids for low temperature applications.

MSHA Approved

Standard

EC426 Hydraulic Hose



Meets EN856 4SP

#													
Part number	Hose I.D.			Hose O.D. (maximum)		Max operating pressure		Minimum burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
EC426-6	10	9.5	0.37	20.9	0.82	445	6450	1780	25800	180	7.09	0.74	0.50
EC426-8	12	12.7	0.50	25.4	1.00	415	6000	1660	24000	230	9.06	0.88	0.59
EC426-10	16	15.9	0.62	29.0	1.14	350	5100	1400	20400	250	9.84	1.04	0.70
EC426-12	19	19.0	0.75	33.0	1.30	350	5100	1400	20400	300	11.81	1.47	0.99
EC426-16	25	25.4	1.00	40.9	1.61	280	4050	1120	16200	340	13.39	1.90	1.28
EC426-20	31	31.8	1.25	48.6	1.91	210	3050	840	12200	460	18.11	2.46	1.65

Operating Temperature :

-40°C to +100°C (-40°F to +212°F)

Fittings:



1T series (-6,-8,-10)
4S/6S series (-12,-16)

Inner Tube:

Synthetic rubber tube

Reinforcement:

Four wire spiral

Cover:

Synthetic rubber cover

Typical Application:

Hydraulic systems service with petroleum and water based fluids, for general use.

MSHA Approved

Premium

GH506 Hydraulic Hose



Exceeds EN856 4SH

#													
Part number	Hose I.D.			Hose O.D. (maximum)		Max operating pressure		Minimum burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH506-12	19	19	0.75	33	1.30	420	6100	1680	24400	280	11.02	1.49	1.00
GH506-16	25	25.4	1	39.9	1.57	420	6100	1680	24400	340	13.39	2.05	1.38
GH506-20	31	31.8	1.25	47.1	1.85	350	5100	1400	20300	460	18.11	2.54	1.71
GH506-24	38	38.1	1.05	55.1	2.17	300	4350	1200	17400	560	22.05	3.27	2.20
GH506-32	51	50.8	2	69.7	2.74	250	3650	1000	14500	700	27.56	4.58	3.08

Temp. Range:

-40°C to +100°C (-40°F to +212°F)

Short term to +120°C

Short term to +248°F

Fittings:



1W Series

Inner Tube:

Synthetic rubber tube

Reinforcement:

Four wire spiral

Cover:

DURA-TUFF™ rubber cover

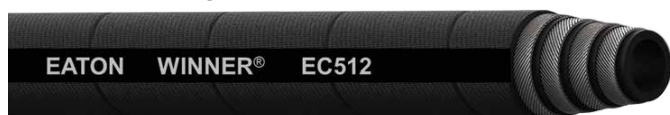
Typical Application:

High pressure hydraulic system service with petroleum and water-base fluids for low temperature applications.

MSHA Approved

Standard

EC512 Hydraulic Hose



Meets EN856 4SH

#													
Part number	Hose I.D.			Hose O.D. (maximum)		Max operating pressure		Minimum burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
EC512-12	19	19	0.75	33.0	1.30	420	6100	1680	24400	280	11.02	1.47	0.99
EC512-16	25	25.4	1.00	39.9	1.57	380	5500	1520	22000	340	13.39	2.04	1.37
EC512-20	31	31.8	1.25	47.1	1.85	350	5100	1400	20400	460	18.11	2.39	1.61
EC512-24	38	38.1	1.05	55.1	2.17	290	4200	1160	16800	560	22.05	3.19	2.14
EC512-32	51	50.8	2.00	69.7	2.74	250	3650	1000	14600	700	27.56	4.37	2.94

Operating Temperature :

-40°C to +100°C (-40°F to +212°F)

Fittings:



4S/6S Series

Inner Tube:

Synthetic rubber tube

Reinforcement:

Four wire spiral

Cover:

Synthetic rubber cover

Typical Application:

Hydraulic systems service with petroleum and water based fluids, for general use.







MSHA Approved

Premium

FC500 Hydraulic Hose



Exceeds SAE 100R13, EN 856 Type R13, ISO 3862 3862 Type R13 Performance

#												
Part number	Hose I.D.		Hose O.D. (maximum)		Max operating pressure		Minimum burst Pressure		Minimum bend radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC500-12	19.0	0.75	31.8	1.25	350	5,100	1400	20,400	121.0	4.75	1.28	0.86
FC500-16	25.4	1.00	39.1	1.54	350	5,100	1400	20,400	152.0	6.00	1.85	1.24
FC500-20	31.8	1.25	47.0	1.85	350	5,100	1400	20,400	210.0	8.25	2.50	1.68
FC500-24	38.1	1.50	55.1	2.17	350	5,100	1400	20,400	254.0	10.00	3.38	2.27
FC500-32	50.8	2.00	72.6	2.86	350	5,100	1400	20,400	476.0	18.75	6.07	4.08

Temp. Range:

-40°C to +127°C (-40°F to +260°F)

Fittings:



4S/6S Series

Inner Tube:

Synthetic rubber tube

Reinforcement:

Four & six wire spiral

Cover:

DURA-TUFF™ rubber cover

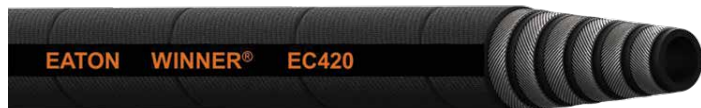
Typical Application:

High pressure hydraulic system service with petroleum and water-base fluids for low temperature applications.







MSHA Approved

Standard

EC420 Hydraulic Hose



Meets SAE 100R13

#												
Part number	Hose I.D.		Hose O.D. (maximum)		Max operating pressure		Minimum burst Pressure		Minimum bend radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
EC420-12	19.0	0.75	33.2	1.31	350	5,100	1,400	20,400	240	9.45	1.54	1.03
EC420-16	25.4	1.00	39.9	1.57	350	5,100	1,400	20,400	300	11.81	2.01	1.35
EC420-20	31.8	1.25	51.3	2.02	350	5,100	1,400	20,400	420	16.54	3.78	2.54
EC420-24	38.1	1.50	58.8	2.31	350	5,100	1,400	20,400	500	19.69	4.73	3.18
EC420-32	50.8	2.00	72.7	2.86	350	5,100	1,400	20,400	630	24.80	7.26	4.88

Operating Temperature :

For -12, -20, -24, & -32: -40°C to +121°C (-40°F to +250°F)

For -16: -40°C to +100°C (-40°F to +212°F)

Fittings:



4S/6S Series

Inner Tube:

Synthetic rubber tube

Reinforcement:

Four & six wire spiral reinforcement

Cover:

Synthetic rubber cover

Typical Application:

Suitable for use in hydraulic systems with high peak pressures and arduous operating conditions.

MSHA Approved







Premium

GH466 Hydraulic Hose



Exceeds SAE 100 R15

Two million flex impulse cycle performance

#													
Part number	Hose I.D. (maximum)			Hose O.D.		Max operating pressure		Minimum burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH466-20	31	31.8	1.25	51.3	2.02	420	6100	1680	24400	420	16.54	3.48	2.34
GH466-24	38	38.1	1.50	58.8	2.31	420	6100	1680	24400	500	19.69	4.63	3.11
GH466-32	51	50.8	2.00	72.7	2.86	420	6100	1680	24400	630	24.80	6.70	4.50

Temp. Range:

-40°C to +120°C (-40°F to +248°F)

Fittings:



1W Series

Inner Tube:

Synthetic rubber tube

Reinforcement:

Six wire spiral reinforcement

Cover:

DURA-TUFF™ rubber cover

Typical Application:

High pressure hydraulic system service with petroleum and water-base fluids for low temperature applications.







MSHA Approved

Standard

EC615 Hydraulic Hose



SAE 100R15 Performance

#												
Part number	Hose I.D.		Hose O.D. (maximum)		Max operating pressure		Minimum burst pressure		Minimum bend radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
EC615-16	25.4	1.00	39.9	1.57	420	6,100	1,680	24,400	330	12.99	2.00	1.35
EC615-20	31.8	1.25	51.3	2.02	420	6,100	1,680	24,400	445	17.52	3.77	2.53
EC615-24	38.1	1.50	58.8	2.31	420	6,100	1,680	24,400	530	20.87	5.17	3.47
EC615-32	50.8	2.00	72.8	2.87	420	6,100	1,680	24,400	600	23.62	7.26	4.88

Operating Temperature :

-40°C to +100°C (-40°F to +212°F)

Fittings:



4S/6S Series

Inner Tube:

Synthetic rubber tube

Reinforcement:

Four & six wire spiral reinforcement

Cover:

Synthetic rubber cover

Typical Application:

Suitable for use in hydraulic and oil systems.







MSHA Approved

Premium

EC850 Hydraulic Hose



500 bar hose, Exceeds SAE 100 R15

#													
Part number	Hose I.D.			Hose O.D. (maximum)		Max operating pressure		Minimum burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
EC850-10	16	15.9	0.63	29.0	1.14	500	7250	2000	29000	200	7.87	1.23	0.83
EC850-12	19	19.0	0.75	33.3	1.31	500	7250	2000	29000	215	8.46	1.52	1.02
EC850-16	25	25.4	1.00	40.4	1.59	500	7250	2000	29000	270	10.63	2.31	1.55
EC850-20	31	31.8	1.25	50.9	2.00	500	7250	2000	29000	380	14.96	4.01	2.69

Temp. Range:

-40°C to +100°C (-40°F to +212°F)

Fittings:



1W Series

Inner Tube:

Synthetic rubber tube

Reinforcement:

Four & six wire spiral reinforcement

Cover:

DURA-TUFF™ rubber cover

Typical Application:

High pressure hydraulic system service with petroleum and water-base fluids for low temperature applications.

MSHA Approved

Premium

EC600 Hydraulic Hose



Exceeds SAE 100R15, ISO 18752-DC Performance

#													
Part number	Hose I.D.			Hose O.D. (maximum)		Max operating pressure		Minimum burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
EC600-12	19	19.0	0.75	33.3	1.31	420	6,100	1,680	24,400	135	5.31	1.52	1.01
EC600-16	25	25.4	1.00	39.4	1.55	420	6,100	1,680	24,400	165	6.50	2.04	1.36
EC600-20	31	31.8	1.25	50.5	1.99	420	6,100	1,680	24,400	225	8.86	3.89	2.61

Temp. Range:

-40°C to +121°C (-40°F to +250°F)

Fittings:



4S/6S Series



1W Series

Inner Tube:

Synthetic rubber tube

Reinforcement:

Four & six wire spiral reinforcement

Cover:

DURA-TUFF™ rubber cover

MSHA Approved







Premium High Temperature Hose

Premium High Temperature Hose

FC510 AQP Hydraulic Hose



Exceeds SAE 100R1 performance

#													
Part number	Hose I.D.			Hose O.D. (maximum)		Max operating pressure		Minimum burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC510-4	6	6.4	0.25	14.9	0.59	345	5000	1380	20000	76	3.00	0.34	0.23
FC510-6	10	9.5	0.37	18.2	0.72	275	4000	1100	16000	89	3.50	0.43	0.29
FC510-8	12	12.7	0.50	20.7	0.81	240	3500	960	14000	127	5.00	0.50	0.34
FC510-10	16	15.9	0.63	24.4	0.96	190	2750	760	11000	152	6.00	0.66	0.44
FC510-12	19	19.0	0.75	28.2	1.11	155	2250	620	9000	178	7.00	0.77	0.52
FC510-16	25	25.4	1.00	35.2	1.39	138	2000	552	8000	229	9.00	1.05	0.71
FC510-20	31	31.8	1.25	43.7	1.72	112	1625	448	6500	279	11.00	1.61	1.08

Temp. Range:

-40°C to +150°C (-40°F to +300°F)

Fittings:









Premium High Temp.

GH195 AQP HI-IMPULSE® MATCH MATE BLUE Hydraulic Hose

Exceeds SAE 100R2AT Type S, EN 853 2SN, ISO 1436-1 Type 2SN Performance



#													
Part Number	Hose I.D.			Hose O.D. (maximum)		Max operating pressure		Minimum burst pressure		Min. Bend Radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH195-4	6	6.4	0.25	15.7	0.61	400	5,800	1,600	23,200	102	4.02	0.40	0.27
GH195-6	10	9.5	0.38	19.7	0.77	345	5,000	1,380	20,000	127	5.00	0.58	0.39
GH195-8	12	12.7	0.50	22.7	0.89	293	4,250	1,172	17,000	178	7.01	0.68	0.46
GH195-10	16	15.9	0.62	26.3	1.03	250	3,650	1,000	14,600	203	7.99	0.80	0.54
GH195-12	19	19.0	0.75	30.2	1.19	215	3,125	860	12,500	241	9.49	1.00	0.67
GH195-16	25	25.4	1.00	38.6	1.52	175	2,550	700	10,200	305	12.01	1.44	0.97
GH195-20	31	31.8	1.25	49.0	1.93	155	2,250	620	9,000	419	16.50	2.38	1.60
GH195-24	38	38.1	1.50	55.9	2.20	125	1,800	500	7,250	508	20.00	2.59	1.74
GH195-32	51	50.8	2.00	68.6	2.70	105	1,525	420	6,100	635	25.00	3.38	2.27

Operating Temperature:

-40°C to +150°C (-40°F to +302°F)

Fittings:









Premium High Temp.

EC525 AQP™ PLUS Hydraulic Hose

Exceeds SAE 100R12, EN 856 Type R12 Performance



#												
Part number	Hose I.D.		Hose O.D. (maximum)		Max operating pressure		Minimum burst pressure		Minimum bend radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
EC525-12	19.0	0.75	31.5	1.24	345	5,000	1380	20,000	241.3	9.50	1.28	0.86
EC525-16	25.4	1.00	38.5	1.52	345	5,000	1380	20,000	304.8	12.00	1.73	1.16
EC525-20	31.8	1.25	47.5	1.87	240	3,500	960	14,000	419.1	16.50	2.31	1.55
EC525-24	38.1	1.50	54.9	2.16	240	3,500	960	14,000	508.0	20.00	2.96	1.99
EC525-32	50.8	2.00	68.5	2.70	225	3,250	900	13,000	635.0	25.00	4.42	2.97

Operating Temperature:

-40°C to +149°C (-40°F to +300°F)

Fittings:



Inner Tube:

AQP elastomer tube

Reinforcement:

One steel braid

Cover:

Blue AQP elastomer cover

Typical Application:

Petroleum and fire-resistant hydraulic fluids, fuel and lubricating systems.

MSHA Approved

Inner Tube:

AQP elastomer tube

Reinforcement:

Two steel braids

Cover:

Blue AQP elastomer cover

Typical Application:

Petroleum and fire-resistant hydraulic fluids, fuel and lubricating systems.

MSHA Approved

Inner Tube:

AQP elastomer tube

Reinforcement:

Four wire spiral

Cover:

Blue AQP elastomer cover

Typical Application:

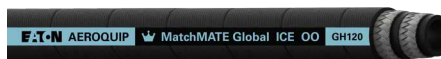
Hydraulic system service with petroleum, fire-resistant and water based fluids, fuel and lubricating systems.

MSHA Approved

Premium Low Temp.

GH120 MatchMate ICE™ Hydraulic Hose

Exceeds SAE 100R16 Type S, EN 857 Type 2SC, ISO 11237-1 Type 2SC Performance



#												
Part number	Hose I.D.		Hose O.D. (maximum)		Max operating 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	24,025	51.0	2.00	0.30	0.20
GH120-6	9.5	0.38	17.9	0.70	345	5,000	1380	20,025	64.0	2.50	0.40	0.27
GH120-8	12.7	0.50	21.4	0.84	310	4,500	1240	18,000	89.0	3.50	0.58	0.39
GH120-10	15.9	0.62	25.4	1.00	276	4,000	1104	16,000	102.0	4.00	0.74	0.50
GH120-12	19.0	0.75	29.0	1.14	241	3,500	964	14,000	121.0	4.75	0.92	0.62
GH120-16	25.4	1.00	36.3	1.43	193	2,800	772	11,200	152.0	6.00	1.22	0.82
GH120-20	31.8	1.25	44.2	1.74	159	2,300	636	9,225	210.0	8.25	1.59	1.07
GH120-24	38.1	1.50	52.8	2.08	138	2,000	552	8,000	254.0	10.00	2.11	1.42
GH120-32	50.8	2.00	65.5	2.58	103	1,500	412	6,000	318.0	12.50	2.80	1.88

Operating Temperature:

-57°C to +100°C (-70°F to +212°F)

Triple Crown

- Pressure
- Temperature
- Abrasion Resistance

Fittings:



TTC Series

Inner Tube:

Aeroquip brand exclusive low temperature compound

Reinforcement:

Two wire braid

Cover:

DURA-TUFF™ synthetic rubber

Typical Application:

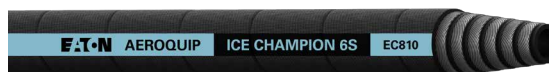
Low temperature flexing and hydraulic system service with petroleum and water-base fluids. For use in frigid environments on construction equipment and other mobile applications.







MSHA Approved

Premium Low Temp.

EC810 Hydraulic Hose

Exceeds SAE 100R15, EN 856 Type R15 Performance



#													
Part number	Hose I.D.			Hose O.D. (maximum)		Max operating pressure		Minimum burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
EC810-6	10	9.5	0.38	20.9	0.82	420	6100	1680	24400	180	7.09	0.74	0.50
EC810-8	12	12.7	0.50	24.4	0.96	420	6100	1680	24400	230	9.06	0.95	0.64
EC810-10	16	15.9	0.62	28.1	1.11	420	6100	1680	24400	250	9.84	1.11	0.75
EC810-12	19	19	0.75	32.9	1.30	420	6100	1680	24400	280	11.02	1.61	1.08
EC810-16	25	25.4	1.00	39.8	1.57	420	6100	1680	24400	340	13.39	2.02	1.36
EC810-20	31	31.8	1.25	50.4	1.98	420	6100	1680	24400	420	16.54	3.55	2.39
EC810-24	38	38.1	1.50	58.3	2.30	420	6100	1680	24400	510	20.08	4.74	3.19
EC810-32	51	50.8	2.00	72.7	2.86	420	6100	1490	21610	630	24.80	6.70	4.50

Operating Temperature :

-57°C to +100°C (-70°F to +212°F)

Fittings


1T Series (-6,-8,-10)
4S/6S Series (-12 to -32)

1W Series (-12 to -32)

Inner Tube:

Exclusive Low Temperature Tube

Reinforcement:

-6 to -16 Size:
Four Wire Spiral

-20 to -32 Size:
Six Wire Spiral

Cover:

MSHA approved abrasion resistant rubber cover

Typical Application:

Hydraulic system with petroleum based fluids for low temperature applications.

MSHA Approved

Braided Hose Fittings

Premium TTC Series



Features:

- New **DURA-KOTE™** plating technology for up to 1,000 hours of corrosion resistance
- Bite the wire technology for best in class connection and sealing
- Class zero leakage SAE J1176 on approved hose styles
- Over 550 TTC Series part numbers available
- Eaton's **MatchMate™** program provides identification markings on the hose, hose fittings, and crimp dies for quick and easy assembly

Standard Two-piece Winner



Features:

- Non-skive, two-piece crimp fitting
- One nipple part number for both EC115 & EC215 standard hoses
- Meets industry specifications when used with the EC115 & EC215 standard hoses
- Clear silver hexavalent chromium-free plating
- Carbon steel material

Spiral Hose Fittings

Premium 4S/6S Spiral Series



Features:

- New **DURA-KOTE™** plating technology for up to 1,000 hours of corrosion resistance
- New patent pending **DURA-SEAL™** technology to eliminate hose assembly cool-down leakage
- Class zero leakage SAE J1176 on approved hose styles
- Eaton's **MatchMate™** spiral - hose/fitting identification system program provides identification markings on the hose, hose fittings, and crimp dies for quick and easy assembly

Engineered Assemblies

Eaton's Aeroquip hoses and fittings are engineered and qualified to work as a system, ensuring your confidence in a high quality hose assembly. The 4-Step **MatchMate™** system for braided and spiral hose assemblies ensure proper mating of hose and qualified fittings.

4 Step Hose Identification System

Braided Hose Assembly



Number of rings on socket correspond to hose identifier

Hose dash size is displayed on the socket

Spiral Hose Assembly



DURA-KOTE™ Plating Technology

Hose fittings that will now offer three times the corrosion protection on carbon steel fittings, compared to competitive hose fittings. Eaton's DURA-KOTE fittings provide up to 1000 hours of corrosion protection. This is a huge step forward in metal fitting corrosion protection.

3X Carbon Steel Corrosion Protection



DURA-SEAL™ Technology

This patent-pending innovation from Eaton eliminates hose assembly cool-down leakage, while extending hose assembly life and reducing equipment down-time.

Class 0 Cool-Down Leakage Protection



