



















# 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<sup>®</sup> 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
<b>Operating Temperature Range</b>	 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
<b>Cover Abrasion Resistance</b>	 <b>DURA-TUFF™</b> Coverings (8x greater than standard)			 <b>BRUISER</b> Coverings (700x greater than standard)	 Standard Abrasion (10,000 Cycles per ISO 6945)
<b>Bend Radius</b>	 1/2 bend	 1/2 bend	 Full bend	 1/2 bend	 1/2 bend
<b>Impulse Life</b>	 <b>Eaton Premium:</b> All premium hoses exceed industry specifications for impulse cycles.				 <b>Eaton Standard</b>
<b>Fluid Compatibility and Rubber Compounding</b>	 <b>Eaton Premium</b>				 <b>Eaton Standard</b>
<b>Certifications</b>	SAE EN ISO Customer specs U.S. Coast Guard	SAE EN MSHA Customer specs	SAE EN Customer specs U.S. Coast Guard	SAE EN Customer specs	SAE EN MSHA Customer specs

## GH681 Matchmate global™

Exceeds EN 857 1SC

1 Wire braid construction



**Triple crown**

• Pressure • Temperature • Abrasion resistance

### 1 Million impulse cycle performance and 1/2 SAE bend radius

# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		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	3625	1000	14500	45	1.77	0.13
GH681-4	6	6.4	0.25	13.5	0.53	255	3700	1020	14800	50	1.97	0.14	0.09
GH681-5	8	7.9	0.31	14.5	0.57	225	3250	900	13000	55	2.17	0.15	0.10
GH681-6	10	9.5	0.37	16.9	0.67	235	3400	940	13600	63	2.48	0.22	0.15
GH681-8	12	12.7	0.50	20.4	0.80	221	3200	884	12800	90	3.54	0.29	0.19
GH681-10	16	15.9	0.63	23.0	0.91	140	2025	560	8100	100	3.94	0.28	0.19
GH681-12	19	19.0	0.75	26.7	1.05	138	2000	552	8000	120	4.72	0.37	0.25
GH681-16	25	25.4	1.00	34.9	1.37	103	1500	412	6000	150	5.91	0.54	0.36
GH681-20	31	31.8	1.25	42.3	1.67	69	1000	276	4000	210	8.27	0.68	0.46
GH681-24	38	38.1	1.50	48.9	1.93	52	750	208	3000	250	9.84	0.80	0.54
GH681-32	51	50.8	2.00	65.5	2.58	41	600	164	2400	315	12.40	1.29	0.87

### English

#### Construction

- Synthetic rubber tube
- One wire braid reinforcement
- DURA-TUFF™ synthetic rubber cover

#### Temperature range

- -46°C to +126°C
- (-50°F to +259°F)

#### Application

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

#### Agency listings

- MSHA
- DNV-GL
- ABS
- BV
- LR
- MED
- RINA

## GH781 Matchmate global™

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

2 Wire braid construction



**Triple crown**

• Pressure • Temperature • Abrasion resistance

# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
	GH781-4	6	6.4	0.25	13.5	0.53	448	6500	1792	25980	50	1.97	0.33
GH781-5	8	7.9	0.31	14.5	0.57	350	5100	1400	20300	55	2.17	0.36	0.24
GH781-6	10	9.5	0.38	16.9	0.66	400	5800	1600	23200	63	2.48	0.43	0.29
GH781-8	12	12.7	0.50	20.4	0.80	345	5000	1380	20000	90	3.54	0.58	0.39
GH781-10	16	15.9	0.63	23.0	0.91	276	4025	1104	16010	100	3.94	0.65	0.44
GH781-12	19	19.0	0.75	26.7	1.05	241	3485	964	13980	120	4.72	0.79	0.53
GH781-16	25	25.4	1.00	34.9	1.37	207	3000	828	12010	150	5.91	1.07	0.72
GH781-20	31	31.8	1.25	42.3	1.67	172	2500	688	9980	210	8.27	1.62	1.09
GH781-24	38	38.1	1.50	48.9	1.93	138	2000	552	8000	250	9.84	2.08	1.39
GH781-32	51	50.8	2.00	65.5	2.58	110	1600	440	6380	315	12.4	2.82	1.89

### English

#### Construction

- Synthetic rubber tube
- Two wire braid reinforcement
- DURA-TUFF™ synthetic rubber cover

#### Temperature range

- -46°C to +126°C
- (-50°F to +259°F)

#### Application

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

#### Agency listings

- MSHA
- DNV-GL
- ABS
- BV
- BAAINBw
- MED
- LR

## EC881 Dynamax™

Exceeds EN857 2SC

2 Wire braid construction



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

# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		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	0.21
EC881-5	8	7.9	0.31	16.0	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	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	5.90	1.47	0.98
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	7700	250	9.84	1.91	1.28
EC881-32	51	50.8	2.00	65.5	2.58	110	1600	440	6375	315	12.40	2.62	1.76

\* Qualified for 800.000 cycles

### English

#### Construction

- Synthetic rubber tube
- Two wire braid reinforcement
- DURA-TUFF™ synthetic rubber cover

#### Temperature range

- -46°C to +126°C
- (-50°F to +259°F)

#### Application

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

#### Agency listings

- MSHA
- DNV-GL
- ABS
- BV
- LR
- MED
- RINA

## GH425

Exceeds EN 856 4SP

Spiral construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure with crimp fitting		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	0.87	490	7100	1960	28400	180	7.09	0.70	0.54
GH425-8	12	12.7	0.50	24.4	1.00	420	6100	1680	24400	230	9.06	0.92	0.62
GH425-10	16	15.9	0.63	28.1	1.14	420	6100	1680	24400	250	9.84	1.13	0.67
GH425-12	19	19.0	0.75	33.0	1.30	380	5500	1520	22000	300	11.81	1.50	1.01
GH425-16	25	25.4	1.00	39.8	1.61	320	4650	1280	18600	340	13.39	2.15	1.44

### English

#### Construction

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

#### Temperature range

- -40°C to +100°C
- (-40°F to +212°F)
- Short term to +120°C

#### Application

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

#### Agency listings

- MSHA
- DNV-GL
- ABS
- BV
- LR
- MED
- BAAINBw
- EN45545-2

## GH506

Exceeds EN 856 4SH  
Spiral construction



2 Million flex impulse cycle performance according ISO6802 \*\*

# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		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	0.75	33.0	1.30	420	6100	1680	24400	280	11.02	1.49	1.00
GH506-16**	25	25.4	1.00	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	2.00	69.7	2.74	250	3650	1000	14500	700	27.56	4.58	3.08

### English

#### Construction

- Synthetic NBR rubber tube
- 4 high tensile spiral wire reinforcement
- DURA-TUFF™ synthetic rubber cover

#### Temperature range

- -40°C to +100°C
- (-40°F to +212°F)
- Short term to +120°C
- Short term to +248°F

#### Application

- High pressure hydraulic systems with petroleum based fluids
- Challenging applications like construction equipment, agriculture machines, stationary applications

#### Agency listings

- MSHA
- DNV-GL, ABS, RINA
- LR, BAAINBw, BV, EN45545-2

## FC500 X-Flex

Exceeds SAE 100 R13  
Spiral construction



1/2 SAE bend radius

# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure with crimp fitting		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
FC500-12	19	19.0	0.75	31.8	1.25	350	5100	1400	20400	121	4.75	1.28	0.86
FC500-16	25	25.4	1.00	39.1	1.54	350	5100	1400	20400	152	6.00	1.85	1.24
FC500-20	31	31.8	1.25	47.0	1.85	350	5100	1400	20400	210	8.25	2.50	1.68
FC500-24	38	38.1	1.50	55.1	2.17	350	5100	1400	20400	254	10.00	3.38	2.27
FC500-32	51	50.8	2.00	72.6	2.86	350	5100	1400	20400	476	18.75	6.07	4.08

### English

#### Construction

- Synthetic rubber tube
- 4 or 6-heavy wire spiral reinforcement
- DURA-TUFF™ synthetic rubber cover

#### Temperature range

- -40°C to +127°C
- (-40°F to +260°F)

#### Application

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

#### Agency listings

- MSHA
- DNV-GL
- ABS

## GH466

Exceeds SAE 100 R15  
Spiral construction



### 2 Million flex impulse cycle performance according ISO6802

# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		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

### English

#### Construction

- Synthetic rubber tube
- 6 high tensile spiral wire layers reinforcement
- DURA-TUFF™ synthetic rubber cover

#### Temperature range

- -40°C to +120°C
- (-40°F to +248°F)

#### Application

High pressure hydraulic systems with constant high working pressure for use with petroleum based fluids

#### Agency listings

- MSHA
- DNV-GL
- BV
- LR
- EN45545-2
- ABS

## EC600 X-Flex

Meets or exceeds: SAE 100 R15, ISO 18752-DC  
Spiral construction



### 1 Million impulse cycle performance and 1/2 SAE bend radius

# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure with crimp fitting		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	6100	1680	24400	135	5.31	1.52	1.01
EC600-16	25	25.4	1.00	39.4	1.55	420	6100	1680	24400	165	6.50	2.04	1.36
EC600-20	31	31.8	1.25	50.5	1.99	420	6100	1680	24400	225	8.86	3.89	2.61
EC600-24	38	38.1	1.50	58.5	2.30	420	6100	1680	24400	265	10.43	4.83	3.24
EC600-32*	51	50.8	2.00	72.0	2.83	420	6100	1680	24400	375	14.76	7.1	4.77

\*-32 size is qualified for 500.000 cycles (ISO 18752-CC)

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

### English

#### Construction

- Synthetic rubber tube
- 4 or 6-heavy wire spiral reinforcement
- DURA-TUFF™ synthetic rubber cover

#### Temperature range

- -40°C to +121°C
- (-40°F to +250°F)

#### Application

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

#### Agency listings

- MSHA

## GH681B Bruiser™

Exceeds EN 857 1SC

1 Wire braid construction



### 1 Million impulse cycle performance and 1/2 SAE bend radius

# Part number	Hose I.D.			Hose O.D. (max.)		Max operating		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
GH681B-3	5	4.8	0.19	11.5	0.45	250	3625	1000	14500	45	1.77	0.16	0.11
GH681B-4	6	6.4	0.25	13.5	0.53	255	3700	1020	14800	50	1.97	0.21	0.14
GH681B-5	8	7.9	0.31	14.5	0.57	225	3250	900	13000	55	2.17	0.22	0.15
GH681B-6	10	9.5	0.37	16.9	0.67	235	3400	940	13600	63	2.48	0.30	0.20
GH681B-8	12	12.7	0.50	20.4	0.80	221	3200	884	12800	90	3.54	0.45	0.30
GH681B-10	16	15.9	0.63	23.0	0.91	140	2025	560	8100	100	3.94	0.44	0.30
GH681B-12	19	19.0	0.75	26.7	1.05	138	2000	552	8000	120	4.72	0.60	0.40
GH681B-16	25	25.4	1.00	34.9	1.37	103	1500	412	6000	150	5.91	0.85	0.57
GH681B-20	31	31.8	1.25	42.3	1.67	69	1000	276	4000	210	8.27	1.00	0.67
GH681B-24	38	38.1	1.50	48.9	1.93	52	750	208	3000	250	9.84	1.26	0.85
GH681B-32	51	50.8	2.00	65.5	2.58	41	600	164	2400	315	12.40	2.18	1.46

### English

#### Construction

- Synthetic rubber tube
- One wire braid reinforcement
- High abrasion resistant BRUISER™ cover

#### Temperature range

- -46°C to +126°C
- (-50°F to +259°F)

#### Application

Hydraulic system service with petroleum and water-based fluids, for general industrial service with high abrasion protection

#### Agency listings

- MSHA
- DNV-GL

## EC881B Bruiser™

Exceeds EN 857 2SC

2 Wire braid construction



### 500.000 impulse cycle performance and 1/3 SAE bend radius

# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure with crimp fitting		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC881B-4	6	6.4	0.25	14.2	0.56	450	6525	1800	26100	33	1.30	0.32	0.21
EC881B-5	8	7.9	0.31	16.0	0.63	400	5800	1600	23200	38	1.50	0.38	0.26
EC881B-6	10	9.5	0.38	18.3	0.72	400	5800	1600	23200	42	1.65	0.42	0.28
EC881B-8	12	12.7	0.50	21.5	0.85	360	5220	1440	20880	60	2.36	0.58	0.39
EC881B-10	16	15.9	0.63	24.7	0.97	350	5075	1400	20300	68	2.68	0.75	0.50
EC881B-12	19	19.0	0.75	29.4	1.16	330	4785	1320	19140	80	3.15	1.03	0.69
EC881B-16	25	25.4	1.00	36.6	1.44	280	4060	1120	16240	150	5.90	1.47	0.98
EC881B-20	31	31.8	1.25	44.3	1.74	172	2500	688	9980	210	8.27	1.75	1.18
EC881B-24	38	38.1	1.50	52.8	2.08	138	2000	552	7700	250	9.84	1.91	1.28
EC881B-32	51	50.8	2.00	65.5	2.58	110	1600	440	6375	315	12.40	2.62	1.76

### English

#### Construction

- Synthetic rubber tube
- Two wire braid reinforcement
- High abrasion resistant BRUISER™ cover

#### Temperature range

- -46°C to +126°C
- (-50°F to +259°F)

#### Application

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

#### Agency listings

- MSHA
- DNV-GL

## GH425B Bruiser™

Exceeds EN 856 4SP

Spiral construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
	GH425B-6	10	9.5	0.38	22.2	0.87	490	7100	1960	28400	180	7.09	0.80
GH425B-8	12	12.7	0.50	25.4	1.00	420	6100	1680	24400	230	9.06	0.92	0.62
GH425B-10	16	15.9	0.63	29.0	1.14	420	6100	1680	24400	250	9.84	1.00	0.67
GH425B-12	19	19.0	0.75	33.0	1.30	380	5500	1520	22000	300	11.81	1.50	1.01
GH425B-16	25	25.4	1.00	40.9	1.61	320	4650	1280	18600	340	13.39	2.15	1.44

### English

#### Construction

- Synthetic rubber tube
- 4-heavy wire spiral reinforcement
- High abrasion resistant BRUISER™ cover

#### Temperature range

- -40°C to +100°C
- (-40°F to +212°F)
- Short term to +120°C

#### Application

High pressure hydraulic systems with petroleum and lubricating oils · Exceeds DIN EN856/4SP performance specifications

#### Agency listings

- MSHA
- DNV-GL

## FC510 AQP high temperature +150°C

Exceeds SAE 100R2 performance

1 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		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
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

### English

#### Construction

- AQP Elastomer tube
- Patented HI-PAC wire braid reinforcement
- Blue AQP elastomer cover

#### Temperature range

- -40°C to +150°C
- (-40°F to +300°F)

#### Application

Petroleum and fire-resistant hydraulic fluids, fuel and lubricating oils, gasoline, water and other industrial fluids.

#### Agency listings

- DNV-GL
- EN45545-2
- MED

## GH195 AQP high temperature +150°C

Meets or exceeds: SAE 100R2A, EN 853 2ST, ISO 1436-1 Type 2ST

2 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum 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	0.62	400	5800	1600	23200	102	4.02	0.40	0.27
GH195-6	10	9.5	0.37	19.8	0.78	345	5000	1380	20000	125	4.92	0.58	0.39
GH195-8	12	12.7	0.50	22.9	0.90	293	4250	1172	17000	180	7.09	0.68	0.46
GH195-10	16	15.9	0.63	26.3	1.04	250	3650	1000	14600	205	8.07	0.80	0.54
GH195-12	19	19.0	0.75	30.2	1.19	215	3125	860	12500	240	9.45	1.00	0.67
GH195-16	25	25.4	1.00	38.6	1.52	175	2550	700	10200	300	11.81	1.44	0.97
GH195-20	31	31.8	1.25	49.0	1.93	155	2250	620	9000	420	16.54	2.38	1.60
GH195-24	38	38.1	1.50	55.9	2.20	125	1800	500	7200	500	19.69	2.59	1.74
GH195-32	51	50.8	2.00	68.6	2.70	105	1525	420	6100	630	24.80	3.38	2.27

### English

#### Construction

- AQP Elastomer tube
- Double wire braid reinforcement
- Blue AQP elastomer cover

#### Temperature range

- -40°C to +150°C
- (-40°F to +302°F)

#### Application

Petroleum and fire-resistant hydraulic fluids, fuel and lubricating oils, gasoline, water and other industrial fluids.

#### Agency listings

- ABS
- EN45545-2
- DNV-GL
- BV

## FC510 AQP high temperature +150°C

Exceeds SAE 100R2 performance

1 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		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

### English

#### Construction

- AQP Elastomer tube
- Patented HI-PAC wire braid reinforcement
- Blue AQP elastomer cover

#### Temperature range

- -40°C to +150°C
- (-40°F to +300°F)

#### Application

Petroleum and fire-resistant hydraulic fluids, fuel and lubricating oils, gasoline, water and other industrial fluids.

#### Agency listings

- DNV-GL
- EN45545-2
- MED



## GH120 MatchMate™ ICE™ -57°C

Meets or exceeds: SAE 100R16 Types, EN 857 Type 2SC

2 Wire braid construction



**Triple crown**

- Pressure • Temperature • Abrasion resistance

# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
GH120-4	6	6.4	0.25	14.5	0.57	414	6000	1656	24000	51	2.01	0.30	0.20
GH120-6	10	9.5	0.37	18.8	0.74	345	5000	1380	20000	64	2.52	0.40	0.27
GH120-8	12	12.7	0.50	22.1	0.87	310	4500	1240	18000	89	3.50	0.58	0.39
GH120-10	16	15.9	0.63	25.4	1.00	276	4000	1104	16000	102	4.02	0.74	0.50
GH120-12	19	19.0	0.75	29.0	1.14	241	3500	964	14000	121	4.76	0.92	0.62
GH120-16	25	25.4	1.00	36.6	1.44	193	2800	772	11200	152	5.98	1.22	0.82
GH120-20	31	31.8	1.25	44.2	1.74	159	2300	636	9200	210	8.27	1.59	1.07
GH120-24	38	38.1	1.50	52.8	2.08	138	2000	552	8000	254	10.00	2.11	1.42
GH120-32	51	50.8	2.00	65.5	2.58	103	1500	412	6000	318	12.52	2.80	1.88

### English

#### Construction

- Special low temperature synthetic rubber tube
- Two wire braid reinforcement
- DURA-TUFF™ synthetic rubber cover

#### Temperature range

- -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

#### Agency listings

- MSHA

## EC810 Ice champion™ -57°C

Meets EN856 type 4SH & SAE100 R15

Spiral construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC810-06	10	9.5	0.37	22.2	0.87	420	6100	1680	24400	180	7.09	0.74	0.50
EC810-08	12	12.7	0.50	25.4	1.00	420	6100	1680	24400	230	9.06	0.95	0.64
EC810-10	16	15.9	0.63	29.0	1.14	420	6100	1680	24400	250	9.84	1.11	0.75
EC810-12	19	19.0	0.75	33.0	1.30	420	6100	1680	24400	280	11.02	1.61	1.08
EC810-16	25	25.4	1.00	39.9	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	1680	24400	630	24.80	6.70	4.50

### English

#### Construction

- Synthetic rubber tube
- 4-spiral wire or 6-spiral wire reinforcement
- Synthetic rubber cover

#### Temperature range

- -57°C to +100°C
- (-70°F to +212°F)

#### Application

-Hydraulic system service with petroleum based fluids for use in cold environments on construction equipment and other mobile applications.

#### Agency listings

- MSHA

## EC110

EN 853 1SN

1 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
	EC110-04L	6	6.4	0.25	14.1	0.56	225	3250	900	13000	100	3.94	0.22
EC110-05L	8	7.9	0.31	15.7	0.62	215	3125	860	12500	115	4.53	0.26	0.17
EC110-06L	10	9.5	0.37	18.1	0.71	180	2600	720	10400	130	5.12	0.33	0.22
EC110-08L	12	12.7	0.50	21.4	0.84	160	2300	640	9200	180	7.09	0.41	0.28
EC110-10L	16	15.9	0.63	24.5	0.96	130	1900	520	7600	200	7.87	0.47	0.32
EC110-12L	19	19.0	0.75	28.5	1.12	105	1525	420	6100	240	9.45	0.59	0.40
EC110-16L	25	25.4	1.00	36.6	1.44	88	1275	352	5100	300	11.81	0.87	0.58
EC110-20L	31	31.8	1.25	44.8	1.76	63	925	252	3700	420	16.54	1.20	0.81
EC110-24L	38	38.1	1.50	52.0	2.05	50	725	200	2900	500	19.69	1.40	0.94
EC110-32L	51	50.8	2.00	65.5	2.58	40	580	160	2320	630	24.80	1.91	1.28
EC110-40L*	63	63.5	2.50	78.0	3.07	40	580	160	2320	762	30.00	2.52	1.69
EC110-48L*	80	76.2	3.00	90.5	3.56	35	508	140	2032	900	35.43	2.70	1.81

### English

#### Construction

- Synthetic rubber tube
- One wire braid reinforcement
- Synthetic rubber cover

#### Temperature range

- -40°C to +100°C
- (-40°F to +212°F)

#### Applications

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

#### Agency listings

- MSHA
- DNV-GL
- BAAINBw

## EC115

Meets EN 857 1SC

1 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
	EC115-04L	6	6.4	0.25	13.5	0.53	225	3250	900	13000	50	1.97	0.18
EC115-05L	8	7.9	0.31	14.5	0.57	215	3125	860	12500	55	2.17	0.20	0.13
EC115-06L	10	9.5	0.37	16.9	0.67	180	2600	720	10400	63	2.48	0.26	0.17
EC115-08L	12	12.7	0.50	20.4	0.80	160	2300	640	9200	90	3.54	0.34	0.23
EC115-10L	16	15.9	0.63	23.0	0.91	130	1900	520	7600	100	3.94	0.42	0.28
EC115-12L	19	19.0	0.75	26.7	1.05	105	1525	420	6100	120	4.72	0.50	0.34
EC115-16L	25	25.4	1.00	34.9	1.37	88	1275	352	5100	160	6.30	0.74	0.50
EC115-20L	31	31.8	1.25	42.4	1.67	63	925	252	3700	210	8.27	0.99	0.67
EC115-24L	38	38.1	1.50	49.0	1.93	50	725	200	2900	300	11.81	1.20	0.81
EC115-32L	51	50.8	2.00	62.0	2.44	40	580	160	2320	400	15.75	1.50	1.01

### English

#### Construction

- Synthetic rubber tube
- One wire braid reinforcement
- Synthetic rubber cover

#### Temperature range

- -40°C to +100°C
- (-40°F to +212°F)

#### Applications

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

#### Agency listings

- MSHA
- DNV-GL
- BAAINBw

## EC210

EN 853 2SN

2 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC210-04L	6	6.4	0.25	15.7	0.62	400	5800	1600	23200	100	3.94	0.38	0.26
EC210-05L	8	7.9	0.31	17.3	0.68	350	5100	1400	20400	115	4.53	0.43	0.29
EC210-06L	10	9.5	0.37	19.7	0.78	330	4800	1320	19200	130	5.12	0.54	0.36
EC210-08L	12	12.7	0.50	23.0	0.91	275	4000	1100	16000	180	7.09	0.64	0.43
EC210-10L	16	15.9	0.63	26.2	1.03	250	3650	1000	14600	200	7.87	0.75	0.50
EC210-12L	19	19.0	0.75	30.1	1.19	215	3125	860	12500	240	9.45	0.93	0.62
EC210-16L	25	25.4	1.00	38.9	1.53	165	2400	660	9600	300	11.81	1.29	0.87
EC210-20L	31	31.8	1.25	49.5	1.95	125	1800	500	7200	420	16.54	1.89	1.27
EC210-24L	38	38.1	1.50	55.9	2.20	90	1300	360	5200	500	19.69	2.10	1.41
EC210-32L	51	50.8	2.00	68.6	2.70	80	1150	320	4600	630	24.80	2.76	1.85
EC210-40L*	63	63.5	2.50	81.0	3.19	69	1000	276	4000	760	29.92	3.80	2.55
EC210-48L*	80	76.2	3.00	93.0	3.66	50	725	200	2900	900	35.43	4.03	2.71

### English

#### Construction

- Synthetic rubber tube
- Two wire braid reinforcement
- Synthetic rubber cover

#### Temperature range

- -40°C to +100°C
- (-40°F to +212°F)

#### Applications

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

#### Agency listings

- MSHA
- DNV-GL
- BAAINBw

## EC215

Meets EN 857 2SC

2 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC215-04L	6	6.4	0.25	14.2	0.56	400	5800	1600	23200	50	1.97	0.28	0.19
EC215-05L	8	7.9	0.31	16.0	0.63	345	5000	1380	20000	55	2.17	0.33	0.22
EC215-06L	10	9.5	0.37	18.3	0.72	330	4800	1320	19200	65	2.56	0.41	0.28
EC215-08L	12	12.7	0.50	21.5	0.85	275	4000	1100	16000	90	3.54	0.57	0.38
EC215-10L	16	15.9	0.63	24.7	0.97	250	3650	1000	14600	100	3.94	0.68	0.46
EC215-12L	19	19.0	0.75	28.6	1.13	215	3125	860	12500	120	4.72	0.81	0.54
EC215-16L	25	25.4	1.00	36.6	1.44	165	2400	660	9600	160	6.30	1.17	0.79
EC215-20L	31	31.8	1.25	45.1	1.78	125	1800	500	7200	250	9.84	1.56	1.05
EC215-24L	38	38.1	1.50	52.3	2.06	100	1450	400	5800	300	11.81	1.81	1.22
EC215-32L	51	50.8	2.00	64.2	2.53	90	1300	360	5200	400	15.75	2.36	1.59

### English

#### Construction

- Synthetic rubber tube
- Two wire braid reinforcement
- Synthetic rubber cover

#### Temperature range

- -40°C to +100°C
- (-40°F to +212°F)

#### Applications

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

#### Agency listings

- MSHA
- DNV-GL
- BAAINBw

## EC426

Meets EN 856 4SP  
Spiral construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		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	22.2	0.87	445	6450	1780	25800	180	7.09	0.73	0.49
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	0.63	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	52.4	2.06	210	3050	840	12200	460	18.11	2.93	1.97

### English

#### Construction

- Synthetic rubber tube
- 4 high tensile spiral wire reinforcement
- Synthetic rubber cover

#### Temperature range

- -40°C to +100°C
- (-40°F to +212°F)

#### Application

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

#### Agency listings

- MSHA
- DNV-GL

## EC512

Meets EN 856 4SH  
Spiral construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		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	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	1.50	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

### English

#### Construction

- Synthetic rubber tube
- 4 high tensile spiral wire reinforcement
- Synthetic rubber cover

#### Temperature range

- -40°C to +100°C
- (-40°F to +212°F)

#### Application

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

#### Agency listings

- MSHA
- DNV-GL

## EC420

Meets SAE 100 R13  
Spiral construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC420-12	19	19.0	0.75	33.2	1.31	350	5100	1400	20400	240	9.45	1.54	1.03
EC420-16	25	25.4	1.00	39.9	1.57	350	5100	1400	20400	300	11.81	2.01	1.35
EC420-20	31	31.8	1.25	51.3	2.02	350	5100	1400	20400	420	16.54	3.78	2.54
EC420-24	38	38.1	1.50	58.8	2.31	350	5100	1400	20400	500	19.69	4.73	3.18
EC420-32	51	50.8	2.00	72.7	2.86	350	5100	1400	20400	630	24.80	7.26	4.88

### English

#### Construction

- Synthetic rubber tube
- 4 or 6-heavy wire spiral reinforcement
- Synthetic rubber cover

#### Temperature range

- -40°C to +121°C
- (-40°F to +250°F)

#### Application

High pressure hydraulic systems with constant high working pressure for use with petroleum based fluids

#### Agency listings

- MSHA
- DNV-GL

## EC615

Meets SAE 100 R15  
Spiral construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC615-16	25	25.4	1.00	39.9	1.57	420	6100	1680	24400	330	12.99	2.00	1.34
EC615-20	31	31.8	1.25	51.3	2.02	420	6100	1680	24400	445	17.52	3.77	2.53
EC615-24	38	38.1	1.50	58.8	2.31	420	6100	1680	24400	530	20.87	5.17	3.47
EC615-32*	51	50.8	2.00	72.8	2.87	420	6100	1680	24400	600	23.62	7.26	4.88

### English

#### Construction

- Synthetic rubber tube
- 4 or 6-heavy wire spiral reinforcement
- Synthetic rubber cover

#### Temperature range

- -40°C to +121°C
- (-40°F to +250°F)

#### Application

High pressure hydraulic systems with constant high working pressure for use with petroleum based fluids

#### Agency listings

- MSHA
- DNV-GL

## GH585

EN 854 2TE

Textile braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
GH585-3	5	4.8	0.19	11.8	0.46	80	1160	320	4640	35	1.38	0.12	0.08
GH585-4	6	6.4	0.25	13.4	0.53	75	1088	300	4350	40	1.57	0.14	0.09
GH585-5	8	7.9	0.31	14.9	0.59	68	986	272	3944	50	1.97	0.17	0.11
GH585-6	10	9.5	0.37	16.5	0.65	63	914	252	3654	60	2.36	0.18	0.12
GH585-8	12	12.7	0.50	19.7	0.78	58	841	232	3364	70	2.76	0.22	0.15
GH585-10	16	15.9	0.63	23.9	0.94	50	725	200	2900	90	3.54	0.30	0.20
GH585-12	19	19.0	0.75	27.0	1.06	45	653	180	2610	110	4.33	0.35	0.24
GH585-16	25	25.4	1.00	34.4	1.35	40	580	160	2320	150	5.91	0.49	0.33

### English

#### Construction

- Synthetic NBR rubber tube
- Textile reinforcement
- Synthetic rubber cover

#### Temperature range

- -40°C to +100°C ( up to +125°C)
- (-40°F to +212°F)
- Air\* up to +70°C

#### Application

Hydraulic systems with petroleum base fluids for fuel and lubricating oils, air\* and water

#### Agency listings

- MSHA

## EC109

### EN45545 Railway hose

Meets EN853 1SN

1 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC109-04	6	6.4	0.25	11.6	0.46	225	3250	900	13000	100	3.94	0.24	0.16
EC109-05	8	7.9	0.31	13.1	0.52	215	3125	860	12500	115	4.53	0.28	0.19
EC109-06	10	9.5	0.37	15.5	0.61	180	2600	720	10400	130	5.12	0.36	0.24
EC109-08	12	12.7	0.50	18.6	0.73	160	2300	640	9200	180	7.09	0.44	0.30
EC109-10	16	15.9	0.63	21.7	0.85	130	1900	520	7600	200	7.87	0.51	0.34
EC109-12	19	19.0	0.75	25.7	1.01	105	1525	420	6100	240	9.45	0.64	0.43
EC109-16	25	25.4	1.00	33.6	1.32	88	1275	352	5100	300	11.81	0.96	0.65

### English

#### Construction

- Synthetic rubber tube
- One wire braid reinforcement
- Black fire retardant synthetic rubber cover

#### Temperature range

- -40°C to +125°C
- (-40°F to +250°F)
- Air max +75°C(+165°F)
- Water max +85°C(+185°F)

#### Application

Hydraulic Railway systems with Petroleum and Water-Glycol Base Fluids, for lubricating oils and water

#### Agency listings

- EN45545-2
- ISO 15540

## EC112 EN45545 Railway hose

Meets EN857 1SC

1 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC112-04	6	6.4	0.25	13.5	0.53	225	3250	900	13000	50	1.97	0.20	0.13
EC112-05	8	7.9	0.31	14.5	0.57	215	3125	860	12500	55	2.17	0.22	0.15
EC112-06	10	9.5	0.37	16.9	0.67	180	2600	720	10400	63	2.48	0.27	0.18
EC112-08	12	12.7	0.50	20.4	0.80	160	2300	640	9200	90	3.54	0.37	0.25
EC112-10	16	15.9	0.63	23.0	0.91	130	1900	520	7600	100	3.94	0.45	0.30
EC112-12	19	19.0	0.75	26.7	1.05	105	1525	420	6100	120	4.72	0.53	0.36
EC112-16	25	25.4	1.00	34.9	1.37	88	1275	352	5100	150	5.91	0.73	0.49

### English

#### Construction

- Synthetic rubber tube
- One wire braid reinforcement
- Black fire retardant synthetic rubber cover

#### Temperature range

- -40°C to +125°C
- (-40°F to +250°F)
- Air max +75°C(+165°F)
- Water max +85°C(+185°F)

#### Application

Hydraulic Railway systems with Petroleum and Water-Glycol Base Fluids, for lubricating oils and water

#### Agency listings

- EN45545-2
- ISO 15540

## EC209 EN45545 Railway hose

Meets EN853 2SN

2 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC209-04	6	6.4	0.25	13.3	0.52	400	5800	1600	23200	100	3.94	0.41	0.28
EC209-05	8	7.9	0.31	14.8	0.58	350	5100	1400	20400	115	4.53	0.47	0.32
EC209-06	10	9.5	0.37	17.2	0.68	330	4800	1320	19200	130	5.12	0.57	0.38
EC209-08	12	12.7	0.50	20.3	0.80	275	4000	1100	16000	180	7.09	0.70	0.47
EC209-10	16	15.9	0.63	23.4	0.92	250	3600	1000	14400	200	7.87	0.81	0.54
EC209-12	19	19.0	0.75	27.4	1.08	215	3100	860	12400	240	9.45	0.98	0.66
EC209-16	25	25.4	1.00	35.2	1.39	165	2393	660	9572	300	11.81	1.38	0.93

### English

#### Construction

- Synthetic rubber tube
- Two wire braid reinforcement
- Black fire retardant synthetic rubber cover

#### Temperature range

- -40°C to +125°C
- (-40°F to +250°F)
- Air max +75°C(+165°F)
- Water max +85°C(+185°F)

#### Application

Hydraulic Railway systems with Petroleum and Water-Glycol Base Fluids, for lubricating oils and water

#### Agency listings

- EN45545-2
- ISO 15540

## EC212 EN45545 Railway hose

Meets EN857 2SC

2 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC212-04	6	6.4	0.25	14.2	0.56	400	5800	1600	23200	50	1.97	0.30	0.20
EC212-05	8	7.9	0.31	16.0	0.63	350	5100	1400	20400	55	2.17	0.37	0.25
EC212-06	10	9.5	0.37	18.3	0.72	330	4800	1320	19200	63	2.48	0.44	0.30
EC212-08	12	12.7	0.50	21.5	0.85	275	4000	1100	16000	90	3.54	0.60	0.40
EC212-10	16	15.9	0.63	24.7	0.97	250	3650	1000	14600	100	3.94	0.72	0.48
EC212-12	19	19.0	0.75	28.6	1.13	215	3125	860	12500	120	4.72	0.87	0.58
EC212-16	25	25.4	1.00	36.6	1.44	165	2400	660	9600	150	5.91	1.24	0.83
EC212-20	31	31.8	1.25	44.4	1.75	125	1800	500	7200	210	8.27	1.68	1.13
EC212-24	38	38.1	1.50	51.5	2.03	100	1450	400	5800	250	9.84	1.98	1.33
EC212-32	51	50.8	2.00	64.2	2.53	90	1305	360	5220	315	12.40	2.97	2.00

### English

#### Construction

- Synthetic rubber tube
- Two wire braid reinforcement
- Black fire retardant synthetic rubber cover

#### Temperature range

- -40°C to +125°C
- (-40°F to +250°F)
- Air max +75°C(+165°F)
- Water max +85°C(+185°F)

#### Application

Hydraulic Railway systems with Petroleum and Water-Glycol Base Fluids, for lubricating oils and water

#### Agency listings

- EN45545-2
- ISO 15540

## EC045 EN45545 Railway hose

Meets EN854 2TE

Textile braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC045-3	5	4.8	0.19	12.0	0.47	80	1168	320	4672	35	1.38	0.12	0.08
EC045-4	6	6.4	0.25	14.2	0.56	75	1095	300	4380	40	1.57	0.16	0.11
EC045-5	8	7.9	0.31	15.7	0.62	68	993	270	3971	50	1.97	0.19	0.13
EC045-6	10	9.5	0.37	17.3	0.68	63	920	250	3679	60	2.36	0.21	0.14
EC045-8	12	12.7	0.50	20.7	0.81	58	847	230	3387	70	2.76	0.26	0.17
EC045-10	16	15.9	0.63	24.9	0.98	50	730	200	2920	90	3.54	0.37	0.25
EC045-12	19	19.0	0.75	28.0	1.10	45	657	180	2628	110	4.33	0.43	0.29
EC045-16	25	25.4	1.00	35.9	1.41	40	584	160	2336	150	5.91	0.63	0.42

### English

#### Construction

- Synthetic rubber tube
- Textile reinforcement
- Black fire retardant synthetic rubber cover

#### Temperature range

- -40°C to +125°C
- (-40°F to +250°F)
- Air max +75°C(+165°F)
- Water max +85°C(+185°F)

#### Application

Hydraulic Railway systems with Petroleum and Water-Glycol Base Fluids, for lubricating oils and water

#### Agency listings

- EN45545-2



## EC116 Wash Down hose

Meets EN1829-2

1 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC116-04BU	6	6.4	0.25	13.0	0.51	300	4380	900	13140	75	2.95	0.19	0.13
EC116-05BU	8	7.9	0.31	14.4	0.57	300	4380	900	13140	85	3.35	0.21	0.14
EC116-06BU	10	9.5	0.37	16.3	0.64	300	4380	900	13140	90	3.54	0.26	0.17
EC116-08BU	12	12.7	0.50	19.8	0.78	300	4380	900	13140	130	5.12	0.36	0.24

\*Product also available in GY-Grey

### English

#### Construction

- Synthetic rubber tube
- One wire braid reinforcement
- Oil, abrasion and weather resistant special synthetic rubber smooth cover
- Available in Blue or Grey color cover

#### Temperature range

- -40°C to intermittent +150°C\*
- (-40°F to intermittent +302°F)\*
- \*For Pressure washer application only

#### Application

High pressure cleaners for food, car wash, labor and swimming bath areas

## EC216 Wash Down hose

Meets EN1829-2

2 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC216-04BU	6	6.4	0.25	14.2	0.56	500	7250	1500	21800	75	2.95	0.29	0.19
EC216-05BU	8	7.9	0.31	15.8	0.62	500	7250	1500	21800	85	3.35	0.34	0.23
EC216-06BU	10	9.5	0.37	18.0	0.71	500	7250	1500	21800	90	3.54	0.42	0.28
EC216-08BU	12	12.7	0.50	21.5	0.85	500	7250	1500	21800	130	5.12	0.58	0.39

\*Product also available in GY-Grey

### English

#### Construction

- Synthetic rubber tube
- Two wire braid reinforcement
- Oil, abrasion and weather resistant special synthetic rubber smooth cover
- Available in Blue or Grey color cover

#### Temperature range

- -40°C to intermittent +150°C\*
- (-40°F to intermittent +302°F)\*
- \*For Pressure washer application only

#### Application

High pressure cleaners for food, car wash, labor and swimming bath areas

## EC910 SAFESHIELD™ Waterblast

Meets: ISO 7751, EN1829-2  
Spiral construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC910-08*	12	12.7	0.50	25.4	1.00	1100	16000	2750	40000	229	9.00	1.12	0.75
EC910-12	19	19.0	0.75	32.8	1.29	1000	14500	2500	36250	279	11.00	1.74	1.17
EC910-16	25	25.4	1.00	39.6	1.56	700	10200	1750	25500	305	12.00	2.23	1.50

### English

#### Construction

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

#### Temperature range

- -40°C to +93°C
- (-40°F to +200°F)

#### Application

Waterblast service with water, water-soap emulsion.  
Exceeds ISO7751 requirements.

## FC310 Hi-Pac mining hose

SAE 100R2 performance  
1 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
FC310-3	5	4.8	0.19	12.1	0.48	350	5100	1400	20400	45	1.77	0.23	0.15
FC310-4	6	6.4	0.25	14.7	0.58	345	5000	1380	20000	50	1.97	0.28	0.19
FC310-5	8	7.9	0.31	15.9	0.63	300	4350	1200	17400	60	2.36	0.32	0.22
FC310-6	10	9.5	0.37	17.8	0.70	275	4000	1100	16000	65	2.56	0.36	0.24
FC310-8	12	12.7	0.50	20.8	0.82	240	3500	960	14000	90	3.54	0.45	0.30
FC310-10	16	15.9	0.63	24.4	0.96	190	2750	760	11000	100	3.94	0.54	0.36
FC310-12	19	19.0	0.75	27.9	1.10	155	2250	620	9000	120	4.72	0.70	0.47
FC310-16	25	25.4	1.00	35.3	1.39	138	2000	552	8000	150	5.91	0.98	0.66
FC310-20	31	31.8	1.25	44.2	1.74	112	1625	448	6500	210	8.27	1.46	0.98

### English

#### Construction

- Synthetic NBR rubber tube
- One wire braid Hi-Pac reinforcement
- Synthetic rubber cover

#### Temperature range

- -40°C to +100°C
- (-40°F to +212°F)
- Air\* up to +70°C

#### Application

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

#### Agency listings

- MSHA
- DNV-GL

## SH222 Hi-Pac Mining Hose

2 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
SH222-4	6	6.4	0.25	15.7	0.62	400	5800	1600	23200	70	2.76	0.39	0.26
SH222-6	10	9.5	0.37	19.7	0.78	350	5100	1400	20400	90	3.54	0.56	0.38
SH222-8	12	12.7	0.50	23.0	0.91	300	4350	1200	17400	120	4.72	0.68	0.46
SH222-12	19	19.0	0.75	30.5	1.20	300	4350	1200	17400	170	6.69	1.07	0.72
SH222-16	25	25.4	1.00	37.4	1.47	240	3500	960	14000	210	8.27	1.38	0.93

### English

#### Construction

- Synthetic NBR rubber tube
- Two wire braid reinforcement
- DURA-TUFF™ synthetic rubber cover

#### Temperature range

- -40°C to +100°C
- (-40°F to +212°F)
- Air\* up to +70°C

#### Application

High pressure hydraulic systems with petroleum and lubricating oils.

#### Agency listings

- MSHA

## EC330

3 Wire braid for 4SP performance

3 Wire braid construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC330-6	10	9.5	0.37	19.7	0.78	445	6450	1780	25800	120	4.72	0.81	0.54
EC330-8	12	12.7	0.50	22.9	0.90	415	6000	1660	24000	160	6.30	0.94	0.63
EC330-10	16	15.9	0.63	26.5	1.04	350	5100	1400	20400	210	8.27	1.13	0.76
EC330-12	19	19.0	0.75	30.0	1.18	350	5100	1400	20400	260	10.24	1.49	1.00

### English

#### Construction

- Synthetic rubber tube
- Three wire braid reinforcement
- Synthetic rubber cover

#### Temperature range

- -40°C to +100°C
- (-40°F to +212°F)

#### Application

Hydraulic system service with petroleum and water-based fluids, for construction and agriculture equipment

#### Agency listings

- MSHA

## EC850 Dynamax™

500 bar hose, Exceeds SAE 100 R15

Spiral construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		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

### English

#### Construction

- Synthetic rubber tube
- 4 spiral wire in -10, -12,-16
- 6 spiral wire in -20
- DURA-TUFF™ cover

#### Temperature range

- -40°C to +100°C
- (-40°F to +212°F)

#### Application

- Ultra high pressure applications
- Hydraulic systems with petroleum and water glycol based fluids
- Lubricating oils and water

#### Agency listings

- MSHA
- EN45545-2

## GH507

According to EN 856 4SH/SAE 100R15 specification

Spiral construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
GH507-20	31	31.8	1.25	46.8	1.84	420	6120	1560	22620	420	16.54	2.74	1.85

### English

#### Construction

- Synthetic rubber tube
- 4-heavy wire spiral reinforcement
- Synthetic rubber cover

#### Temperature range

- -40°C to +120°C
- (-40°F to +248°F)

#### Application

- High pressure hydraulic systems with petroleum based fluids
- Challenging applications like construction equipment, agriculture machines, stationary applications

#### Agency listings

- MSHA
- DNV-GL
- MED

## GH435

Phosphat-Ester hose  
Spiral construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
	GH435-6	10	9.5	0.37	19.0	0.75	490	7105	1960	28420	180	7.09	0.65
GH435-8	12	12.7	0.50	21.5	0.85	420	6090	1680	24360	230	9.06	0.80	0.54
GH435-10	16	15.9	0.63	25.4	1.00	400	5800	1600	23200	250	9.84	0.95	0.64
GH435-12	19	19.0	0.75	28.8	1.13	380	5510	1520	22040	300	11.81	1.28	0.86
GH435-16	25	25.4	1.00	35.4	1.39	320	4640	1280	18560	340	13.39	1.55	1.04

### English

#### Construction

- Polyamide tube
- 4-spiral wire reinforcement
- Synth.EPDM rubber cover

#### Temperature range

- -40°C to +70°C
- (-40°F to +26°F)

#### Application

For hydraulic systems with phosphate-ester fluids (HFD fluids) · Great compatibility against aggressive fluidssuch as phosphate ester due to the special inner tube

## EC556 BOP hose

Meets API 16D-2

Spiral construction



# Part number	Hose I.D.			Hose O.D. (max.)		Max operating pressure		Burst pressure		Minimum bend radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
	EC556-12	19	19	0.75	32	1.26	350	5000	1400	20000	280	11.02	1.58
EC556-16	25	25.4	1.00	38.3	1.51	350	5000	1400	20000	340	13.39	2.00	1.34
EC556-20	31	31.8	1.25	45.1	1.78	350	5000	1400	20000	460	18.11	2.47	1.66
EC556-24	38	38.1	1.50	56.4	2.22	350	5000	1400	20000	500	19.69	4.64	3.12

### English

#### Construction

- Black, oil resistant synthetic rubber tube
- Multiple high tensile wire spiral reinforcement layers
- Red, specially compounded, flame resistant cover

#### Temperature range

- -40°C to +100°C
- (-40°F to +212°F)

#### Application

- For prevention of pressure escape at the wellhead during drilling-completion operations
- Critical component of blowout preventer system On-shore oil and gas exploration

#### Agency listings

- API 16D-2
- Lloyds certified