





HYDRAULIC HOSE

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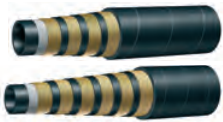
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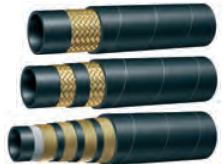
WIRE SPIRAL



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ALFATECH



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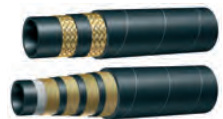
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ALFATECH



AT6K SUPERTUFF
AT6K-4S, AT6K-6S

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HIGH TEMPERATURE



TEMP TECH 1SN
EN 853 1SN, SAE 100 R1AT, ISO 1436 1SN/R1AT

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TEMP TECH 2SN
EN 853 2SN, SAE 100 R2AT, ISO 1436 2SN/R2AT

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OIL RETURN LINES



FLEXOR T604
SAE 100 R4

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FLEXOR 6

SAE 100 R6, EN 854 R6 (up to 3/4")

Tube: oil resistant synthetic rubber.

Reinforcement: one high tensile textile braid.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.

Application: low pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for use in "PUSH ON" applications.

Continuous service temperature range:

-40 °C +100 °C (-40 °F +212 °F)

Air max T = +70 °C (+160 °F)

Length: random



Dash	↔		↔		⬇		⬇		⤴		⬆	
	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
-04	6	1/4	12.7	0.5	2.8	400	11	1600	64	2.6	0.13	9
-05	8	5/16	14.3	0.56	2.8	400	11	1600	76	3	0.13	9
-06	10	3/8	15.9	0.63	2.8	400	11	1600	76	3	0.17	11
-08	13	1/2	19.8	0.78	2.8	400	11	1600	102	4.1	0.23	15
-10	16	5/8	23	0.91	2.4	350	10	1400	107	4.3	0.27	18
-12	19	3/4	26.9	1.06	2.1	300	8	1200	152	6.1	0.37	25
-16	25	1	33.4	1.31	1.7	250	7	1000	203	8.1	0.49	33

FLEXOR 3

SAE 100 R3, EN 854 R3

Tube: oil resistant synthetic rubber.

Reinforcement: two high tensile textile braids.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.

Application: medium pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.

Continuous service temperature range:

-40 °C +100 °C (-40 °F +212 °F)

Air max T = +70 °C (+160 °F)

Length: random



Dash	↔		↔		⬇		⬇		⤴		⬆	
	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
-04	6	1/4	14.3	0.56	8.6	1250	35	5000	76	3	0.18	12
-05	8	5/16	17.5	0.69	8.3	1200	33	4800	102	4.1	0.24	16
-06	10	3/8	19.1	0.75	7.8	1125	31	4500	102	4.1	0.25	17
-08	13	1/2	23.8	0.94	7	1000	28	4000	127	5.1	0.38	25
-10	16	5/8	27	1.06	6	875	24	3500	140	5.6	0.46	31
-12	19	3/4	31.8	1.25	5.2	750	21	3000	152	6.1	0.63	42
-16	25	1	38.1	1.5	3.9	565	16	2260	203	8.1	0.76	51
-20	32	1 1/4	45	1.77	2.6	377	10	1508	254	10.2	0.94	63

WIRE BRAID



FLEXOR 1SN-R1AT MSHA

**EN 853 1SN, SAE 100 R1AT
ISO 1436 1SN/R1AT
(up to 2")**



Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid (1B).
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber MSHA approved.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Continuous service temperature range:
 -40 °C +100 °C (-40 °F +212 °F)
 Air max T = +70 °C (+160 °F)
Length: random up to 1" - 40m / 61m max for 1 1/4" and over

Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
-03	5	3/16	11.8	0.46	25	3630	100	14520	90	3.6	0.18	12
-04	6	1/4	13.4	0.53	22.5	3270	90	13080	100	4	0.22	15
-05	8	5/16	15	0.59	21.5	3120	86	12480	115	4.6	0.26	17
-06	10	3/8	17.4	0.69	18	2610	72	10460	130	5.2	0.33	22
-08	13	1/2	20.6	0.81	16	2320	64	9280	180	7.2	0.42	28
-10	16	5/8	23.7	0.93	13	1890	52	7560	200	8	0.51	34
-12	19	3/4	27.7	1.09	10.5	1530	42	6120	240	9.6	0.62	42
-16	25	1	35.6	1.4	8.8	1280	35	5120	300	12	0.92	62
-20	32	1 1/4	43.5	1.71	6.3	920	25	3680	420	16.8	1.2	80
-24	38	1 1/2	50.6	1.99	5	730	20	2920	500	20	1.48	99
-32	51	2	64	2.52	4	580	16	2320	630	25.2	2	134
-40	64	2 1/2	79	3.11	5	720	20	2880	760	30.4	2.89	194
-48	76	3	92	3.62	3.5	500	14	2000	900	36	3.43	230

FLEXOR 2SN-R2AT MSHA

**EN 853 2SN, SAE 100 R2AT
ISO 1436 2SN/R2AT**

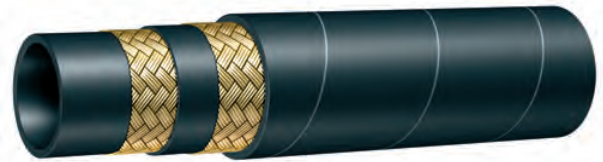


Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids (2B).
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber MSHA approved.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Continuous service temperature range:
 -40 °C +100 °C (-40 °F +212 °F)
 Air max T = +70 °C (+160 °F)
Length: random up to 1" - 40m / 61m max for 1 1/4" and over

Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
-03	5	3/16	13.4	0.53	42	6000	168	24000	90	3.6	0.29	19
-04	6	1/4	15	0.59	40	5800	160	23200	100	4	0.36	24
-05	8	5/16	16.7	0.66	35	5000	140	20000	115	4.6	0.42	28
-06	10	3/8	19.1	0.75	33	4800	132	19200	125	5	0.51	34
-08	13	1/2	22.2	0.87	27.5	4000	110	16000	175	7	0.64	43
-10	16	5/8	25.4	1	25	3630	100	14520	200	8	0.74	50
-12	19	3/4	29.3	1.15	21.5	3120	86	12480	240	9.6	0.91	61
-16	25	1	38.1	1.5	16.5	2400	66	9600	300	12	1.32	88
-20	32	1 1/4	48.3	1.9	12.5	1820	50	7280	420	16.8	1.93	129
-24	38	1 1/2	54.6	2.15	9	1310	36	5240	500	20	2.41	161
-32	51	2	67.4	2.65	8	1160	32	4640	630	25.2	2.96	198

FLEXOR 2ST-R2A MSHA

EN 853 2ST, SAE 100 R2A
ISO 1436 2ST
(up to 2")



Tube: oil resistant synthetic rubber.

Reinforcement: two high tensile steel braids (2B).

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber MSHA approved.

Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.

Continuous service temperature range:

-40 °C +100 °C (-40 °F +212 °F)

Air max T = +70 °C (+160 °F)

Length: random up to 1" - 40m / 61m max for 1 1/4" and over

Dash	↔		↔		⌚		⌚		⌒		⌚	
	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
-04	6	1/4	17.5	0.69	40	5714	160	23200	100	4	0.42	28
-05	8	5/16	19.1	0.75	35	5000	140	20000	115	4.6	0.5	34
-06	10	3/8	21.4	0.84	33	4714	132	19200	130	5.2	0.6	40
-08	13	1/2	24.6	0.97	27.5	3929	110	16000	180	7.2	0.74	50
-10	16	5/8	27.8	1.09	25	3571	100	14520	200	8	0.86	58
-12	19	3/4	31.8	1.25	21.5	3071	86	12480	240	9.6	1.05	70
-16	25	1	39.7	1.56	16.5	2357	66	9600	300	12	1.41	94
-20	32	1 1/4	50.8	2	12.5	1786	50	7280	420	16.8	2.14	143
-24	38	1 1/2	57.2	2.25	9	1286	36	5240	500	20	2.55	171
-32	51	2	69.8	2.75	8	1143	32	4640	630	25.2	3.34	224
-40	64	2 1/2	83	3.27	7	1000	28	4000	760	30.4	3.96	265
-48	76	3	96	3.78	5.5	800	22	3200	900	36	4.96	332

FLEXOR 5

SAE 100 R5, J1402 DOT AII FM VSS 106



Tube: oil resistant synthetic rubber.

Reinforcement: one high tensile steel braid.

Cover: braided high tensile textile cord.

Application: medium pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.

Continuous service temperature range:

-40 °C +100 °C (-40 °F +212 °F)

Air max T = +70 °C (+160 °F)

Length: random

Dash	↔		↔		⌚		⌚		⌒		⌚	
	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
-04	5	3/16	13.2	0.52	20.7	3000	83	12000	76	3	0.23	15
-05	6	1/4	14.8	0.58	20.7	3000	83	12000	86	3.4	0.27	18
-06	8	5/16	17.3	0.68	15.5	2250	62	9000	102	4.1	0.34	23
-08	11	13/32	19.5	0.77	13.8	2000	55	8000	117	4.7	0.45	30
-10	13	1/2	23.4	0.92	12.1	1750	48	7000	140	5.6	0.56	37
-12	16	5/8	27.4	1.08	10.3	1500	41	6000	165	6.6	0.67	45
-16	22	7/8	31.4	1.24	5.5	800	22	3200	187	7.5	0.69	46
-20	29	1 1/8	38.1	1.5	4.3	625	17	2500	229	9.2	0.84	57
-24	35	1 3/8	44.5	1.75	3.4	500	14	2000	267	10.7	1.06	71
-32	46	1 13/16	56.4	2.22	2.4	350	10	1400	337	13.5	1.35	90

WIRE BRAID



FLEXOPAK 1SC

**EN 857 1SC
ISO 11237 1SC**



Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid (1B).
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Continuous service temperature range:
 -40 °C +100 °C (-40 °F +212 °F)
 Air max T = +70 °C (+160 °F)
Length: random

Dash	↔		↔		⬇		⬇		⤵		⬆	
	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
-04	6	1/4	12.1	0.48	22.5	3250	90	13000	50	2	0.17	11
-05	8	5/16	14.1	0.56	21.5	3100	86	12400	55	2.2	0.19	13
-06	10	3/8	15.6	0.61	21	3000	84	12000	65	2.6	0.26	17
-08	13	1/2	19.5	0.77	16	2286	64	9143	90	3.6	0.41	27
-10	16	5/8	23	0.91	13	1890	52	7560	100	4	0.44	29
-12	19	3/4	26.7	1.05	10.5	1530	42	6120	125	5	0.57	38
-16	25	1	34.9	1.37	8.8	1280	35	5120	150	6	0.74	50

FLEXOPAK 2SC

**EN 857 2SC, SAE 100 R16
ISO 11237 2SC
(up to 2")**



Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids (2B).
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Continuous service temperature range:
 -40 °C +100 °C (-40 °F +212 °F)
 Air max T = +70 °C (+160 °F)
Length: random

Dash	↔		↔		⬇		⬇		⤵		⬆	
	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
-04	6	1/4	13.2	0.52	40	5800	160	23200	75	3	0.27	18
-05	8	5/16	14.5	0.57	35	5000	140	20000	85	3.3	0.31	21
-06	10	3/8	17	0.67	33	4800	132	19200	90	3.5	0.36	24
-08	13	1/2	20.3	0.80	27.5	4000	110	16000	130	5.1	0.47	31
-10	16	5/8	23.9	0.94	25	3630	100	14520	170	6.7	0.57	38
-12	19	3/4	27.7	1.09	21.5	3120	86	12480	200	7.9	0.76	51
-16	25	1	34.6	1.36	16.5	2400	66	9600	250	9.8	1.13	76
-20	32	1 1/4	43.5	1.70	16.5	2400	66	9600	360	14.2	1.50	100
-24	38	1 1/2	50.9	2.00	13.5	1930	54	7720	430	16.9	1.97	131
-32	51	2	63.9	2.51	10	1430	40	5720	550	21.6	2.55	170
-40	63	2 1/2	76.5	3.00	7	1000	28	4000	720	28.3	3.04	202
-48	76	3	91.2	3.59	7	1000	28	4000	880	34.6	4.08	272

FLEXOR 4SP

EN 856 4SP
ISO 3862 4SP

Tube: oil resistant synthetic rubber.

Reinforcement: four high tensile steel spirals (4S).

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber
MSHA approved.

Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.

Continuous service temperature range:

-40 °C +100 °C (-40 °F +212 °F)

Length: random



Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
-04	6	1/4	17.9	0.7	45	6550	180	26200	150	6	0.58	39
-06	10	3/8	21.4	0.84	44.5	6450	178	25800	180	7.2	0.74	50
-08	13	1/2	24.6	0.97	41.5	6000	166	24000	230	9.2	0.88	59
-10	16	5/8	28.2	1.11	35	5000	140	20000	250	10	1.05	71
-12	19	3/4	32.2	1.27	38	5510	152	22040	300	12	1.44	96
-16	25	1	39.7	1.56	32	4640	128	18560	340	13.6	1.96	131

FLEXOR 4SH

EN 856 4SH
ISO 3862 4SH

Tube: oil resistant synthetic rubber.

Reinforcement: four high tensile steel spirals (4S).

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber
MSHA approved.

Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.

Continuous service temperature range:

-40 °C +100 °C (-40 °F +212 °F)

Length: random up to 1" - 40m / 61m max for 1 1/4" and over



Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
-12	19	3/4	32.2	1.27	42	6000	168	24000	280	11.2	1.57	106
-16	25	1	38.7	1.52	38	5500	152	22000	340	13.6	1.95	131
-20	32	1 1/4	45.5	1.79	35	5000	140	20000	460	18.4	2.47	165
-24	38	1 1/2	53.5	2.11	29	4200	116	16800	560	22.4	3.27	219
-32	51	2	68.1	2.68	25	3650	110	14600	700	28	4.67	313

WIRE SPIRAL



FLEXOR 12

SAE 100 R12, EN 856 R12
ISO 3862 R12



Tube: oil resistant synthetic rubber.
Reinforcement: four high tensile steel spirals (4S).
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber
 MSHA approved. Grey cover also available.
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Continuous service temperature range:
 -40 °C +121 °C (-40 °F +250 °F)
Length: random up to 1" - 40m / 61m max for 1 1/4" and over

Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
-06	10	3/8	20.3	0.8	28	4000	112	16000	127	5.1	0.65	44
-08	13	1/2	23.8	0.94	28	4000	112	16000	178	7.1	0.81	54
-10	16	5/8	27.4	1.08	28	4000	112	16000	203	8.1	1.08	72
-12	19	3/4	30.7	1.21	28	4000	112	16000	241	9.6	1.27	85
-16	25	1	38	1.5	28	4000	112	16000	305	12.2	1.79	120
-20	32	1 1/4	47	1.85	21	3000	84	12000	419	16.8	2.74	184
-24	38	1 1/2	53.5	2.11	17.5	2500	70	10000	508	20.3	3.14	210
-32	51	2	66.7	2.63	17.5	2500	70	10000	635	25.4	4.04	217
-40	63	2 1/2	81.2	3.19	14	2030	56	8120	720	28.3	6.36	426

FLEXOR 13

SAE 100 R13, EN 856 R13
ISO 3862 R13



Tube: oil resistant synthetic rubber.
Reinforcement: four/six high tensile steel spirals (4S/6S).
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber
 MSHA approved. Red cover also available.
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Continuous service temperature range:
 -40 °C +121 °C (-40 °F +250 °F)
Length: random up to 1" - 40m / 61m max for 1 1/4" and over

Constr.	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
4S	-12	19	3/4	32.1	1.26	35	5000	140	20000	241	9.6	1.6	107
4S	-16	25	1	38.7	1.52	38	5500	152	22000	305	12.2	2	134
6S	-20	32	1 1/4	49.8	1.96	35	5000	140	20000	419	16.8	3.6	241
6S	-24	38	1 1/2	57.3	2.26	35	5000	140	20000	508	20.3	4.8	322
6S	-32	51	2	70.9	2.79	35	5000	140	20000	635	25.4	6.6	442

AT3K

1,000,000 impulse cycles*

Tube: oil resistant synthetic rubber.

Reinforcement: one/two high tensile steel braids or four high tensile steel spirals (1B/2B, 4S).

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber MSHA approved.

Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.

Continuous service temperature range:

-40 °C +100 °C (-40 °F +212 °F) wire braid;

-40 °C +121 °C (-40 °F +250 °F) wire spiral.

Length: random up to 1" - 40m / 61m max for 1 1/4" and over

Norms:

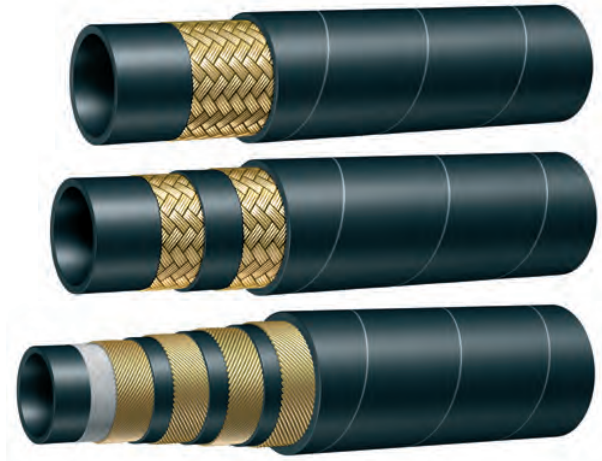
SAE 100 R17

ISO 11237 R17

EN 857 1SC (1/4, 5/16, 3/8)

EXCEEDS EN 857 2SC, SAE 100 R16 (3/4)

SAE 100 R12 (1 1/4)



Constr.	Dash	↔		↔		⏚		⏚		⤴		⏚	
		mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
1B	-03	5	3/16	10.5	0.41	21	3000	84	12000	40	1.6	0.15	10
1B	-04	6	1/4	12.1	0.48	22.5	3250	90	13000	50	2	0.17	11
1B	-05	8	5/16	14.1	0.56	21.5	3100	86	12400	55	2.2	0.19	13
1B	-06	10	3/8	15.6	0.61	21	3000	84	12000	65	2.6	0.26	17
1B	-08	13	1/2	19.5	0.77	21	3000	84	12000	90	3.6	0.36	24
2B	-10	16	5/8	23.7	0.93	21	3000	84	12000	105	4.2	0.61	41
2B	-12	19	3/4	27.7	1.09	24	3500	96	14000	125	5	0.79	53
2B	-16	25	1	35.6	1.4	21	3000	84	12000	150	6	1.23	82
4S	-20	32	1 1/4	47	1.85	21	3000	84	12000	419	16.8	2.69	180

* Spiral construction

AT4K

1,000,000 impulse cycles*

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids or four high tensile steel spirals (2B, 4S).
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber MSHA approved.
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Continuous service temperature range:
 -40 °C +100 °C (-40 °F +212 °F) wire braid;
 -40 °C +121 °C (-40 °F +250 °F) wire spiral.
Length: random up to 1" - 40m / 61m max for 1 1/4" and over
Norms:

SAE 100 R19
 ISO 11237 R16 (5/16, 3/8)
 EXCEEDS EN 857 2SC, SAE 100 R16 (1/2, 5/8)
 SAE 100 R12 (3/8, 1/2, 5/8, 3/4, 1)
 EN 856 4SH (1 1/2, 2)



Constr.	Dash	↔		↔		↻		↻		↻		⚖	
		mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
2B	-05	8	5/16	14.5	0.57	29.3	4250	117	17000	57	2.3	0.3	20
2B	-06	10	3/8	17	0.67	28	4000	112	16000	64	2.6	0.36	24
2B	-08	13	1/2	20.6	0.81	31	4500	124	18000	90	3.6	0.52	35
2B	-10	16	5/8	23.7	0.93	28	4000	112	16000	101	4	0.6	40
2B	-12	19	3/4	29.3	1.15	28	4000	112	16000	130	5.2	0.98	66
4S	-06	10	3/8	20.3	0.8	28	4000	112	16000	64	2.6	0.61	41
4S	-08	13	1/2	23.8	0.94	28	4000	112	16000	90	3.6	0.82	55
4S	-10	16	5/8	27.4	1.08	28	4000	112	16000	100	4	1.1	74
4S	-12	19	3/4	30.7	1.21	28	4000	112	16000	130	5.2	1.23	82
4S	-16	25	1	38	1.5	28	4000	112	16000	150	6	1.8	121
4S	-20	32	1 1/4	47.5	1.87	28	4000	112	16000	230	9.2	2.47	165
4S	-24	38	1 1/2	53.5	2.11	29	4000	116	16800	560	22.4	3.27	219
4S	-32	51	2	68.1	2.68	28	4000	112	16000	590	23.6	4.67	313

* Spiral construction

AT5K

1,000,000 impulse cycles*

Tube: oil resistant synthetic rubber.

Reinforcement: two high tensile steel braids or four/six high tensile steel spirals (2B, 4S/6S).

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber MSHA approved.

Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.

Continuous service temperature range:

-40 °C +100 °C (-40 °F +212 °F) wire braid;

-40 °C +121 °C (-40 °F +250 °F) wire spiral.

Length: random up to 1" - 40m / 61m max for 1 1/4" and over

Norms:

ISO 11237 R16 (1/4)

EXCEEDS EN 857 2SC, SAE 100 R16 (5/16, 3/8)

EN 856 4SP (5/8, 3/4)

EN 856 4SH (1, 1 1/4)

SAE 100 R13 (1 1/4, 1 1/2, 2)



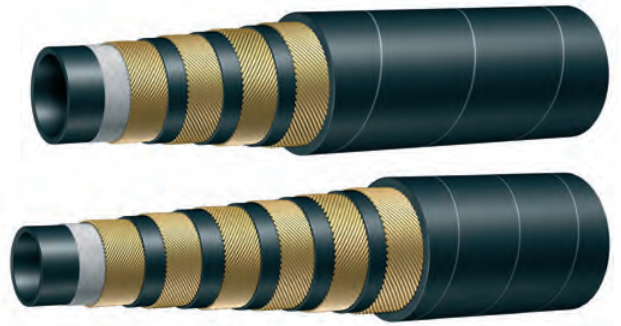
Constr.	Dash	↔		↔		⊙		⊙		∩		⬛	
		mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	ib/C ft
2B	-04	6	1/4	13.2	0.52	35	5000	140	20000	51	2	0.25	17
2B	-05	8	5/16	15	0.59	37.5	5500	150	22000	57	2.3	0.3	20
2B	-06	10	3/8	17.4	0.59	35	5000	140	20000	64	2.6	0.4	27
2B	-08	13	1/2	22.2	0.87	35	5000	140	20000	80	3.2	0.67	45
2B	-10	16	5/8	25.4	1	35	5000	140	20000	100	4	0.8	53
4S	-10	16	5/8	28.2	1.11	35	5000	140	20000	125	5	1.05	70
4S	-12	19	3/4	32.2	1.27	38	5100	152	22040	140	5.6	1.49	100
4S	-16	25	1	38.7	1.52	38	5100	152	22040	190	7.6	1.94	130
4S	-20	32	1 1/4	45.5	1.79	35	5000	140	20000	240	9.6	2.47	165
6S	-20	32	1 1/4	49.8	1.96	35	5000	140	20000	210	8.4	3.59	241
6S	-24	38	1 1/2	57.3	2.26	35	5000	140	20000	475	19	4.83	324
6S	-32	51	2	71.1	2.8	35	5000	140	20000	545	21.8	6.54	438
6S	-40	63	2 1/2	83.8	3.3	35	5000	140	20000	895	35.2	8.77	588

* Spiral construction

AT6K

1,000,000 cycles tested

Tube: oil resistant synthetic rubber.
Reinforcement: four/six high tensile steel spirals (4S/6S).
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber MSHA approved.
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Continuous service temperature range:
 -40 °C +121 °C (-40 °F +250 °F)
Length: random up to 1" - 40m / 61m max for 1 1/4" and over
Norms:
 SAE 100 R15
 EN 856 4SP (1/4, 3/8, 1/2)
 EN 856 4SH (3/4)



Constr.	↔			↔		⌚		⌚		⌒		⌚	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
4S	-04	6	1/4	17.9	0.7	45	6550	180	26200	150	6	0.58	39
4S	-06	10	3/8	21.4	0.84	44.5	6450	178	25800	180	7.2	0.74	50
4S	-08	13	1/2	24.6	0.97	42	6000	166	24000	230	9.2	0.88	59
4S	-10	16	5/8	28.6	1.13	42	6000	168	24000	250	10	1.32	88
4S	-12	19	3/4	32.2	1.27	42	6000	168	24000	267	10.7	1.62	109
4S	-16	25	1	38.7	1.52	42	6000	168	24000	280	11.2	2.2	147
6S	-20	32	1 1/4	49.8	1.96	42	6000	168	24000	280	11.2	3.59	241
6S	-24	38	1 1/2	57.3	2.26	42	6000	168	24000	315	12.6	5	335
6S	-32	51	2	72	2.83	42	6000	168	24000	600	24	7.08	474

AT7K

1,000,000 cycles tested

Tube: oil resistant synthetic rubber.
Reinforcement: four high tensile steel spirals (4S).
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber MSHA approved.
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Continuous service temperature range:
 -40 °C +121 °C (-40 °F +250 °F)
Length: random



↔			↔		⌚		⌚		⌒		⌚	
Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
-10	16	5/8	28.6	1.13	49	7000	196	28000	250	10	1.32	88

AT8K

1,000,000 cycles tested

Tube: oil resistant synthetic rubber.
Reinforcement: six high tensile steel spirals (6S).
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber MSHA approved.
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Continuous service temperature range:
 -40 °C +121 °C (-40 °F +250 °F)
Length: random



↔			↔		⌚		⌚		⌒		⌚	
Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
-12	19	3/4	34.4	1.35	56	8000	224	32000	270	10.8	2.28	153
-16	25	1	42.1	1.66	56	8000	224	32000	300	12	3.22	216

AT4K SUPERTUFF

1,000,000 cycles tested*

Tube: oil resistant synthetic rubber.

Reinforcement: two high tensile steel braids or four high tensile steel spirals (2B/4S).

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber MSHA approved.

Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Special "supertuff" cover for excellent abrasion resistance and long service life in heavy duty applications.

Continuous service temperature range:

-40 °C +100 °C (-40 °F +212 °F) wire braid;

-40 °C +121 °C (-40 °F +250 °F) wire spiral.

Length: random up to 1" - 40m / 61m max for 1 1/4" and over

Norms:

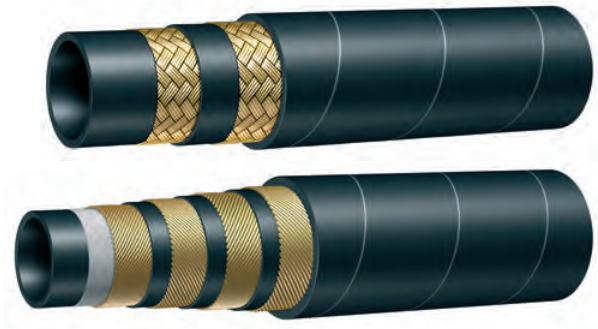
SAE 100 R19

ISO 11237 R16 (5/16, 3/8)

EXCEEDS EN 857 2SC, SAE 100 R16 (1/2, 5/8)

SAE 100 R12 (3/8, 1/2, 5/8, 3/4, 1)

EN 856 4SH (1 1/2, 2)



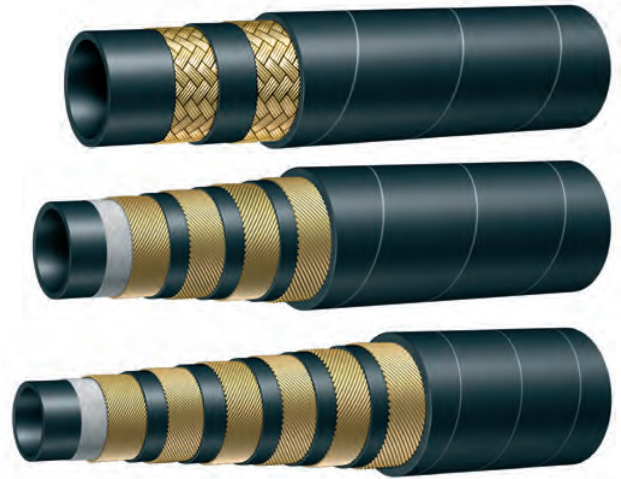
Constr.	Dash												
		mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
2B	-05	8	5/16	14.5	0.57	29.3	4240	117	16000	57	2.3	0.31	21
2B	-06	10	3/8	17	0.67	28	4000	112	16000	64	2.6	0.37	25
2B	-08	13	1/2	20.6	0.81	31	4500	124	18000	90	3.6	0.54	36
2B	-10	16	5/8	23.7	0.93	28	4000	112	16000	101	4	0.62	42
4S	-12	19	3/4	30.7	1.21	28	4000	112	16000	130	5.2	1.24	83
4S	-16	25	1	38	1.5	28	4000	112	16000	150	6	1.81	122
4S	-20	32	1 1/4	47.5	1.87	28	4000	112	16000	230	9.2	2.48	166
4S	-24	38	1 1/2	53.5	2.11	29	4200	116	16800	450	18	3.28	220
4S	-32	51	2	68.1	2.68	28	4000	112	16000	590	23.6	4.68	314

* Spiral construction

AT5K SUPERTUFF

1,000,000 cycles tested*

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids or four/six high tensile steel spirals (2B, 4S/6S).
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber MSHA approved.
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Special "supertuff" cover for excellent abrasion resistance and long service life in heavy duty applications.
Continuous service temperature range:
 -40 °C +100 °C (-40 °F +212 °F) wire braid;
 -40 °C +121 °C (-40 °F +250 °F) wire spiral.
Length: random up to 1" - 40m / 61m max for 1 1/4" and over
Norms:
 ISO 11237 R16 (1/4)
 EXCEEDS EN 857 2SC, SAE 100 R16 (5/16, 3/8)
 EN 856 4SP (5/8, 3/4)
 EN 856 4SH (1, 1 1/4)
 SAE 100 R13 (1 1/4, 1 1/2, 2



Constr.	Dash	↔		↔		⌚		⌚		⌒		⬮	
		mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
2B	-04	6	1/4	13.2	0.52	35	5000	140	20000	51	2	0.27	18
2B	-05	8	5/16	15	0.59	37.5	5500	150	22000	57	2.3	0.32	21
2B	-06	10	3/8	17.4	0.69	35	5000	140	20000	64	2.6	0.4	27
2B	-08	13	1/2	22.2	0.87	35	5000	140	20000	150	6	0.66	44
4S	-10	16	5/8	28.2	1.11	35	5000	140	20000	125	5	1.05	70
4S	-12	19	3/4	32.2	1.27	38	5510	152	22040	140	5.6	1.45	97
4S	-16	25	1	38.7	1.52	38	5510	152	22040	190	7.6	1.94	130
4S	-20	32	1 1/4	45.1	1.78	35	5000	140	20000	210	8.4	2.47	165
6S	-20	32	1 1/4	49.8	1.96	35	5000	140	20000	210	8.4	3.59	241
6S	-24	38	1 1/2	57.3	2.26	35	5000	140	20000	475	19	4.88	327
6S	-32	51	2	71.7	2.8	35	5000	140	20000	545	21.8	6.62	444

* Spiral construction

AT6K SUPERTUFF

1,000,000 cycles tested

Tube: oil resistant synthetic rubber.
Reinforcement: four high tensile steel spirals (4B).
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber MSHA approved.
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Special "supertuff" cover for excellent abrasion resistance and long service life in heavy duty applications.
Continuous service temperature range:
 -40 °C +121 °C (-40 °F +250 °F)
Length: random
Norms:
 SAE 100 R15
 EN 856 4SP (3/8, 1/2)
 EN 856 4SH (3/4)



Dash	↔		↔		⌚		⌚		⌒		⬮	
	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
-06	10	3/8	21.4	0.84	44.5	6450	178	25800	180	7.2	0.75	50
-08	13	1/2	24.6	0.97	42	6000	168	24000	230	9.2	0.9	60
-12	19	3/4	32.2	1.27	42	6000	168	24000	267	10.7	1.62	109
-16	25	1	38.7	1.52	42	6000	168	24000	280	11.2	2.2	147