



HIGH TEMPERATURE RANGE



// HIGH TEMPERATURE HOSE

// R5 EVOLUTION HT 150



SAE 100 R5

Tube: oil resistant synthetic rubber.

Reinforcement: one high tensile steel braid.

Cover: braided high tensile textile blue cord.

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

Specially designed for high temperature applications.

Temperature: -40 °C +150 °C (-40 °F +300 °F)

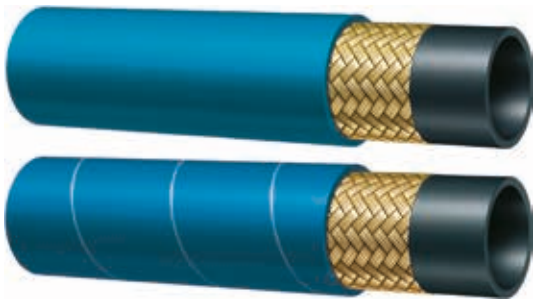
air max T up to 7/8" = +85 °C (+185 °F)

air max T over 1 1/8" = +110 °C (+230 °F)

Length: random up to 7/8" - 61 m max over 1 1/8"

Item Code	ID (Dash)	ID (mm)	ID (in)	OD (mm)	OD (in)	WP (Mpa)	WP (psi)	BP (Mpa)	BP (psi)	BR (mm)	BR (in)	Weight (kg/m)	Weight (lb/ft)
1004577	4	5,0	3/16"	13,5	0,53	21,0	3000	84,0	12000	75	2,95	0,355	0,24
1004578	5	6,3	1/4"	15,1	0,59	21,0	3000	84,0	12000	85	3,35	0,382	0,26
1004579	6	8,0	5/16"	17,3	0,68	15,7	2270	62,8	9080	100	3,94	0,501	0,34
1004580	7	10,3	13/32"	19,7	0,78	14,0	2000	56,0	8000	115	4,53	0,586	0,40
1004581	10	12,5	1/2"	23,5	0,93	12,2	1760	48,8	7000	140	5,51	0,752	0,51
1004582	12	16,0	5/8"	27,4	1,08	10,5	1530	42,0	6000	165	6,50	0,871	0,59
1004583	16	22,0	7/8"	31,4	1,24	5,6	800	22,4	3250	185	7,28	0,706	0,48
1004585	20	29,0	1 1/8"	37,6	1,48	4,3	625	17,2	2500	229	9,02	0,924	0,63
1004586	24	35,0	1 3/8"	44,0	1,73	3,5	525	14,0	2000	265	10,43	1,055	0,71
1004587	32	46,0	1 13/16"	56,4	2,22	2,4	350	9,6	1400	335	13,19	1,431	0,97

// 1SN EVOLUTION HT 150



MSHA

SAE 100 R1AT - ISO 1436-1 - UNI EN 853 1SN

Tube: oil resistant synthetic rubber.

Reinforcement: one high tensile steel braid.

Cover: smooth up to 1", wrapped over 1 1/4". Abrasion, ozone and hydrocarbon resistant blue synthetic rubber.

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

Specially designed for high temperature applications.

Not recommended for steam service.

Temperature: -40 °C +150 °C (-40 °F +300 °F)

air max T up to 1" = +85 °C (+185 °F),

air max T over 1 1/4" = +110 °C (+230 °F)

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

Item Code	ID (Dash)	ID (mm)	ID (in)	OD (mm)	OD (in)	WP (Mpa)	WP (psi)	BP (Mpa)	BP (psi)	BR (mm)	BR (in)	Weight (kg/m)	Weight (lb/ft)
1004518	4	6,0	1/4"	12,7	0,50	22,5	3250	90,0	13000	100	3,94	0,206	0,14
1004519	6	10,0	3/8"	16,5	0,65	18,0	2610	72,0	10500	130	5,12	0,307	0,21
1004520	8	13,0	1/2"	19,9	0,78	16,0	2320	64,0	9280	180	7,09	0,379	0,26
1004521	10	16,0	5/8"	22,7	0,89	13,0	1900	52,0	7560	200	7,87	0,436	0,30
1004522	12	19,0	3/4"	27,0	1,06	10,5	1530	42,0	6000	240	9,45	0,565	0,38
1004523	16	25,0	1"	35,8	1,41	8,8	1280	35,2	5100	300	11,81	0,976	0,66
1004531	24	38,0	1 1/2"	49,2	1,94	5,0	730	20,0	2900	500	19,69	1,443	0,97
1004532	32	51,0	2"	62,4	2,46	4,0	600	16,0	2320	630	24,80	1,911	1,29

// 2SN EVOLUTION HT 150



MSHA

SAE 100 R2AT - ISO 1436-1 - UNI EN 853 2SN

Tube: oil resistant synthetic rubber.

Reinforcement: two high tensile steel braids.

Cover: smooth up to 1", wrapped over 1 1/4". Abrasion, ozone and hydrocarbon resistant blue synthetic rubber.

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

Specially designed for high temperature applications.

Not recommended for steam service.

Temperature: -40 °C +150 °C (-40 °F +300 °F)

air max T up to 1" = +85 °C (+185 °F),

air max T over 1 1/4" = +110 °C (+230 °F)

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

Item Code	ID (Dash)	ID (mm)	ID (in)	OD (mm)	OD (in)	WP (Mpa)	WP (psi)	BP (Mpa)	BP (psi)	BR (mm)	BR (in)	Weight (kg/m)	Weight (lb/ft)
1004524	4	6,0	1/4"	14,2	0,56	40,0	5850	160,0	23200	100	3,94	0,339	0,23
1004525	6	10,0	3/8"	18,4	0,72	33,0	4800	132,0	19200	125	4,92	0,480	0,33
1004526	8	13,0	1/2"	21,1	0,83	27,5	4000	110,0	16000	175	6,89	0,549	0,37
1004527	10	16,0	5/8"	24,5	0,96	25,0	3630	100,0	14500	200	7,87	0,689	0,47
1004528	12	19,0	3/4"	29,0	1,14	21,5	3120	86,0	12500	240	9,45	0,881	0,60
1004529	16	25,0	1"	37,4	1,47	16,5	2400	66,0	9600	300	11,81	1,364	0,92
1004533	20	32,0	1 1/4"	46,4	1,83	12,5	1820	50,0	7280	420	16,54	1,894	1,28
1004534	24	38,0	1 1/2"	52,8	2,08	9,0	1310	36,0	5240	500	19,69	2,129	1,44
1004535	32	51,0	2"	65,6	2,58	8,0	1200	32,0	4640	630	24,80	2,815	1,90

// FLEXOR R4 644 HT



MSHA

Extra flexible - High temperature

SAE 100 R4

Tube: oil resistant synthetic rubber.

Reinforcement: high tensile textile cords with embedded steel helix wire.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.

Application: fuel, oil and hydraulic fluids with 50% max aromatic content suction and delivery.

Specially designed for high temperature applications and hydraulic oil return lines requiring tight bend radius.

Temperature: -40 °C +135 °C (-40 °F +275 °F)

Item Code	ID (Dash)	ID (mm)	ID (in)	OD (mm)	OD (in)	WP (Mpa)	WP (psi)	BP (Mpa)	BP (psi)	BR (mm)	BR (in)	Vacuum %	Weight (kg/m)	Weight (lb/ft)	Length (m)
1001277	12	19,0	3/4"	30,0	1,18	2,1	300	8,4	1200	38	1,50	100,00	0,660	0,45	30,500
1001274	16	25,0	1"	36,0	1,42	1,7	250	6,8	986	50	1,97	100,00	0,830	0,56	30,500
1001196	20	32,0	1 1/4"	43,0	1,69	1,4	200	5,6	800	64	2,52	100,00	1,010	0,68	30,500
1001279	24	38,0	1 1/2"	49,0	1,93	1,0	150	4,0	600	76	2,99	100,00	1,170	0,79	30,500
1001281	32	51,0	2"	62,0	2,44	0,7	100	2,8	400	102	4,02	100,00	1,520	1,03	30,500
1001283	40	63,0	2 1/2"	76,0	2,99	0,4	60	1,6	240	126	4,96	90,00	2,280	1,54	30,500
1001285	48	76,0	3"	89,0	3,50	0,4	60	1,6	240	152	5,98	90,00	2,810	1,89	30,500
1001290	64	102,0	4"	116,0	4,57	0,2	30	0,8	120	204	8,03	90,00	3,690	2,48	30,500

// 142AK



Compressed air 40 bar (600 psi) - High temperature - Oil resistant - Steel braided

Tube: black NBR (RMA Class A) - oil mist resistant.

Reinforcement: high tensile steel wire braids.

Cover: yellow SBR/NBR - abrasion, ozone, hydrocarbon and flame resistant - pin pricked.

Application: high pressure compressed air designed for heavy duty mine and quarry applications where long service life and maximum safety is required.

Temperature: -40 °C +120 °C (-40 °F +248 °F)

ID (mm)	ID (in)	OD (mm)	OD (in)	WP (bar)	WP (psi)	BP (bar)	BP (psi)	BR (mm)	BR (in)	Weight (kg/m)	Weight (lb/ft)
51,0	2"	64,0	2,52	40	600	160	2320	255	10,04	2,150	1,45
76,0	3"	90,0	3,54	40	600	120	1750	380	14,96	3,330	2,24

// 132AE



Compressed air 80 bar (1200 psi) - High temperature - Steel braided

Tube: black chlorobutyl - oil mist (maximum six parts per million) and high temperature resistant.

Reinforcement: high tensile steel wire braids.

Cover: blue EPDM - abrasion and ozone resistant - pin pricked.

Application: high pressure compressed air designed for heavy duty mine and quarry applications where long service life and maximum safety is required. Designed for use of EN 853 2ST fittings.

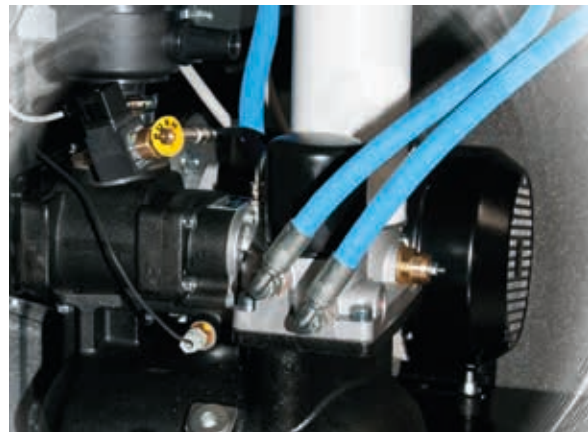
Temperature: -40 °C +150 °C (-40 °F +300 °F) with peaks of 232 °C (450 °F)

ID (mm)	ID (in)	OD (mm)	OD (in)	WP (bar)	WP (psi)	BP (bar)	BP (psi)	BR (mm)	BR (in)	Weight (kg/m)	Weight (lb/ft)
51,0	2"	67,0	2,64	80	1200	320	4640	255	10,04	2,710	1,83

// HIGH TEMPERATURE APPLICATIONS

Alfagomma **EVOLUTION HT 150** range guarantees high safety level and long lasting service in hydraulic oils, antifreeze solutions, coolants, compressed air and water transfer in severe applications where high temperature resistance is required.

- ▲ Specially compounded tube to resist up to 150 °C (300 °F) operating temperature
- ▲ Excellent abrasion, ozone and hydrocarbon resistant cover
- ▲ Exceeds SAE 100 R5, SAE 100 R1AT, SAE 100 R2AT and SAE 100 R4



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