

Alfabiotech Evolution 3000 - Minetuff



ISO 18752 - exceeds SAE 100 R12

Tube: petroleum and biodegradable hydraulic fluid resistant synthetic rubber.

Reinforcement: four high tensile steel spirals.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.

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

Specially designed for long service life in very demanding applications where compact design, high pulsating pressure and tight bend radius are required.

Temperature: -40 °C +121 °C (-40 °F +250 °F)

Length: 61 m max

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)
1004782	20	32,0	1 1/4"	44,9	1,77	21,0	3000	84,0	12000	210	8,27	1,876	1,27
1004783	24	38,0	1 1/2"	50,6	1,99	21,0	3000	84,0	12000	250	9,84	2,357	1,59
1004784	32	51,0	2"	64,7	2,55	21,0	3000	84,0	12000	318	12,52	3,537	2,38

Alfabiotech Evolution 4000 - Minetuff



MSHA

ISO 18752

Tube: petroleum and biodegradable hydraulic fluid resistant synthetic rubber. Reinforcement: four high tensile steel spirals.

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

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

Specially designed for long service life in very demanding applications where compact design, high pulsating pressure and tight bend radius are required.

Temperature: -40 °C +121 °C (-40 °F +250 °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)
1004894	8	13,0	1/2"	22,6	0,89	28,0	4000	112,0	16000	90	3,54	0,624	0,42
1004754	12	19,0	3/4"	29,0	1,14	28,0	4000	112,0	16000	120	4,72	0,978	0,66
1004755	16	25,0	1"	37,2	1,46	28,0	4000	112,0	16000	150	5,91	1,479	1,00
1004773	20	32,0	1 1/4"	44,2	1,74	28,0	4000	112,0	16000	210	8,27	2,214	1,49
1004756	24	38,0	1 1/2"	50,6	1,99	29,0	4200	116,0	16800	250	9,84	2,610	1,76
1004757	32	51,0	2"	64,7	2,55	28,0	4000	112,0	16000	318	12,52	4,001	2,69

Alfabiotech Evolution 5000 - Minetuff



MSHA

exceeds ISO 18752

Tube: petroleum and biodegradable hydraulic fluid resistant synthetic rubber.

Reinforcement: four/six high tensile steel spirals.

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

Application: very high pressure hydraulic lines, fuel, oil, lubricants, antifreeze solution, air and water. Specially designed for long service life in very demanding applications where compact design, high pulsating pressure and tight bend radius are required.

Temperature: -40 °C +121 °C (-40 °F +250 °F)

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

Item Code	Constr.	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)
1004743	4WS	10	16,0	5/8"	25,4	1,00	35,0	5000	140,0	20000	100	3,94	0,845	0,57
1004744	4WS	12	19,0	3/4"	29,4	1,16	35,0	5000	140,0	20000	120	4,72	1,166	0,79
1004745	4WS	16	25,0	1"	37,4	1,47	35,0	5000	140,0	20000	150	5,91	1,634	1,10
1004746	4WS	20	32,0	1 1/4"	44,0	1,73	35,0	5000	140,0	20000	210	8,27	2,214	1,49
1004747	6WS	24	38,0	1 1/2"	54,8	2,16	35,0	5000	140,0	20000	250	9,84	3,924	2,64
1004748	6WS	32	51,0	2"	68,7	2,70	35,0	5000	140,0	20000	318	12,52	5,787	3,89

Alfabiotech Evolution 5000 Plus - Minetuff



MSHA

ISO 18752

Tube: petroleum and biodegradable hydraulic fluid resistant synthetic rubber.

Reinforcement: four high tensile steel spirals.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.

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

Specially designed for long service life in very demanding applications where compact design, high pulsating pressure and tight bend radius are required.

Temperature: -40 °C +121 °C (-40 °F +250 °F)

Length: random

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)
1004749	12	19,0	3/4"	30,2	1,19	38,0	5500	152,0	22040	120	4,72	1,276	0,86
1004750	16	25,0	1"	37,4	1,47	38,0	5500	152,0	22040	150	5,91	1,817	1,23

Alfabiotech Evolution 6000 - Minetuff



ISO 18752 - exceeds SAE 100 R15

Tube: petroleum and biodegradable hydraulic fluid resistant synthetic rubber.

Reinforcement: four/six high tensile steel spirals.

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

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

Specially designed for long service life in very demanding applications where compact design, high pulsating pressure and tight bend radius are required.

Temperature: -40 °C +121 °C (-40 °F +250 °F)

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

Item Code	Constr.	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)
1004774	4WS	4	6,0	1/4"	17,0	0,67	45,0	6550	180,0	26200	60	2,36	0,510	0,35
1004775	4WS	6	10,0	3/8"	19,8	0,78	44,5	6450	178,0	25800	75	2,95	0,615	0,42
1004776	4WS	8	13,0	1/2"	22,5	0,89	42,0	6000	168,0	24000	90	3,54	0,710	0,48
1004777	4WS	10	16,0	5/8"	27,8	1,09	42,0	6000	168,0	24000	100	3,94	1,190	0,80
1004778	4WS	12	19,0	3/4"	30,6	1,20	42,0	6000	168,0	24000	120	4,72	1,371	0,93
1004779	4WS	16	25,0	1"	38,0	1,50	42,0	6000	168,0	24000	150	5,91	1,926	1,30
1004780	6WS	20	32,0	1 1/4"	47,6	1,87	42,0	6000	168,0	24000	225	8,86	2,982	2,01
1004781	6WS	24	38,0	1 1/2"	54,4	2,14	42,0	6000	168,0	24000	305	12,01	4,155	2,80
1004818	6WS	32	51,0	2"	68,7	2,70	42,0	6000	168,0	24000	380	14,96	6,031	4,06