



LOW TEMPERATURE RANGE



// ALFAGOMMA PRODUCT RANGE

NEW

EVOLUTION LOW TEMP

New Evolution Low Temp hose range designed to **guarantee extraordinary flexibility** in conditions of **very low temperatures** and **cold climates**.

- Specially designed for long service life in ultra low temperature applications.
- Extreme flexibility: up to 50% smaller bend radius and very low bending force compared to the traditional SAE 100 R types.
- Abrasion, ozone, hydrocarbon and ultra low temperature resistant synthetic rubber cover.



EVOLUTION LOW TEMP

BEND RADIUS REDUCED UP TO 50%
VERY LOW BENDING FORCE

// EVOLUTION 4K LT **NEW**



ISO 18752

Tube: oil resistant ultra low temperature synthetic rubber.

Reinforcement: four high tensile steel spirals.

Cover: abrasion, ozone, hydrocarbon and ultra low temperature resistant synthetic rubber.

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

Specially designed for long service life in ultra low temperature applications.

Temperature: -55 °C +120 °C (-67 °F +250 °F)

air max T = +70 °C (+160 °F)

Length: 61 m

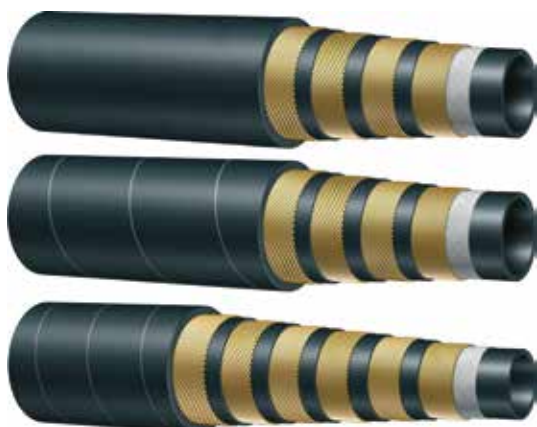
Item Code	ID (Dash)	ID (mm)	ID (in)	OD (mm)	OD (in)	WP (Mpa)	WP (psi)	BP (Mpa)	BP (psi)	BR (mm)	BR (in)	Weight (kg/m)	Weight (lb/ft)
1005001	12	19,0	3/4"	29,0	1,14	28,0	4000	112,0	16000	120	4,72	1,003	0,68
1005002	16	25,0	1"	37,4	1,47	28,0	4000	112,0	16000	150	5,91	1,525	1,03
1004944	24	38,0	1 1/2"	50,6	1,99	29,0	4200	116,0	16800	250	9,84	2,659	1,79
1004945	32	51,0	2"	64,7	2,55	28,0	4000	112,0	16000	318	12,52	4,062	2,73

ALFAGOMMA // EVOLUTION 4K LOW TEMP // 4S 1-1/2" (DN38) 4200 PSI (29 MPa)

-55°C to +120°C
-67°F to +250°F

according to ISO 18752/CC
EN 856 4SH

EXTRA
MADE IN ITALY

// EVOLUTION 5K LT NEW**exceeds ISO 18752****Tube:** oil resistant ultra low temperature synthetic rubber.**Reinforcement:** four/six high tensile steel spirals.**Cover:** smooth up to 1", wrapped over 1". Abrasion, ozone, hydrocarbon and ultra low temperature resistant synthetic rubber.**Application:** very high pressure hydraulic lines, fuel, oil, lubricants, antifreeze solution, air and water.

Specially designed for long service life in ultra low temperature applications.

Temperature: -55 °C +120 °C (-67 °F +250 °F)

air max T = +70 °C (+160 °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)
1004929	4WS	10	16,0	5/8"	25,4	1,00	35,0	5000	140,0	20000	100	3,94	0,943	0,64
1004930	4WS	12	19,0	3/4"	30,2	1,19	38,0	5500	152,0	22040	120	4,72	1,300	0,88
1004931	4WS	16	25,0	1"	37,4	1,47	38,0	5500	152,0	22040	150	5,91	1,874	1,26
1004932	4WS	20	32,0	1 1/4"	44,2	1,74	35,0	5000	140,0	20000	210	8,27	2,387	1,61
1004933	6WS	24	38,0	1 1/2"	54,8	2,16	35,0	5000	140,0	20000	250	9,84	4,051	2,73
1004934	6WS	32	51,0	2"	68,9	2,71	35,0	5000	140,0	20000	318	12,52	5,824	3,92

ALFAGOMMA // EVOLUTION 5K LOW TEMP // 4S 1" (DN25) 5500 PSI (38 MPa)-55°C to +120°C
-67°F to +250°Fexceeds ISO 18752/CC
EN 858-658 - SAE 100 R15E81TAA
MADE IN ITALY**// EVOLUTION 6K LT NEW****ISO 18752 - exceeds SAE 100 R15****Tube:** oil resistant ultra low temperature synthetic rubber.**Reinforcement:** four/six high tensile steel spirals.**Cover:** smooth up to 1", wrapped over 1". Abrasion, ozone, hydrocarbon and ultra low temperature resistant synthetic rubber.**Application:** very high pressure hydraulic lines, fuel, oil, lubricants, antifreeze solution, air and water.

Specially designed for long service life in ultra low temperature applications.

Temperature: -55 °C +120 °C (-67 °F +250 °F)

air max T = +70 °C (+160 °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)
1004935	4WS	4	6,0	1/4"	17,2	0,68	45,0	6550	180,0	26200	60	2,36	0,552	0,38
1004936	4WS	6	10,0	3/8"	20,2	0,80	44,5	6450	178,0	25800	75	2,95	0,640	0,44
1004937	4WS	8	13,0	1/2"	22,6	0,89	42,0	6000	168,0	24000	90	3,54	0,756	0,51
1004938	4WS	10	16,0	5/8"	27,8	1,09	42,0	6000	168,0	24000	100	3,94	1,249	0,84
1004939	4WS	12	19,0	3/4"	30,6	1,20	42,0	6000	168,0	24000	120	4,72	1,418	0,96
1004940	4WS	16	25,0	1"	38,0	1,50	42,0	6000	168,0	24000	150	5,91	1,995	1,35
1004941	6WS	20	32,0	1 1/4"	47,6	1,87	42,0	6000	168,0	24000	225	8,86	3,135	2,11
1004942	6WS	24	38,0	1 1/2"	54,4	2,14	42,0	6000	168,0	24000	305	12,01	4,229	2,85
1004943	6WS	32	51,0	2"	68,9	2,71	42,0	6000	168,0	24000	380	14,96	6,148	4,14

ALFAGOMMA // EVOLUTION 6K LOW TEMP // 6S 1-1/2" (DN38) 6000 PSI (42 MPa)-55°C to +120°C
-67°F to +250°FISO 18752/CC
exceeds SAE 100 R15E81TAA
MADE IN ITALY

// FLEXOPAK 2 LT



Tube: oil resistant ultra low temperature synthetic rubber.

Reinforcement: two high tensile steel braids.

Cover: smooth up to 1", wrapped over 1". Oil, water, ozone and ultra low temperature resistant synthetic rubber.

Application: hydraulic system with petroleum or water/glycol based fluids, fuel, lubricating oils.

Specially designed for ultra low temperature applications.

Temperature: -55 °C +100 °C (-67 °F +212 °F)

air max T = +70 °C (+160 °F)

Length: random up to 1" - 61 m over 1"

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)
1003221	4	6,0	1/4"	13,0	0,51	42,0	6000	168,0	24000	50	1,97	0,280	0,19
1003283	5	8,0	5/16"	14,5	0,57	37,5	5500	150,0	22000	55	2,17	0,310	0,21
1003222	6	10,0	3/8"	16,8	0,66	35,0	5000	140,0	20000	65	2,56	0,390	0,27
1003226	8	13,0	1/2"	20,6	0,81	31,0	4500	124,0	18000	90	3,54	0,520	0,35
1003223	10	16,0	5/8"	23,4	0,92	28,0	4000	112,0	16000	100	3,94	0,600	0,41
1003224	12	19,0	3/4"	27,6	1,09	24,0	3500	96,0	14000	120	4,72	0,810	0,55
1003225	16	25,0	1"	35,5	1,40	21,0	3000	84,0	12000	150	5,91	1,220	0,82
1003304	20	32,0	1 1/4"	43,3	1,70	14,0	2000	58,0	8400	210	8,27	1,390	0,94

// ALFAFOREST LT



Tube: oil resistant ultra low temperature synthetic rubber.

Reinforcement: three high tensile steel braids.

Cover: oil, water, ozone and ultra low temperature resistant synthetic rubber.

Application: hydraulic system with petroleum or water/glycol based fluids, fuel, lubricating oils.

Specially designed for ultra low temperature applications.

Temperature: -55 °C +100 °C (-67 °F +212 °F)

air max T = +70 °C (+160 °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)
1003305	6	10,0	3/8"	21,1	0,83	50,0	7280	196,0	28000	120	4,72	0,756	0,51
1003292	8	13,0	1/2"	24,1	0,95	46,9	6800	188,0	27200	160	6,30	0,892	0,60
1003293	10	16,0	5/8"	27,8	1,09	41,0	6000	164,0	23500	210	8,27	1,121	0,76
1003230	12	19,0	3/4"	32,2	1,27	37,5	5500	150,0	22000	260	10,24	1,430	0,97
1003294	16	25,0	1"	39,2	1,54	32,7	4750	130,8	19000	310	12,20	1,940	1,31

// 606AE



Tank truck 10 bar (150 psi) - Corrugated - Low temperature

Tube: black conductive NBR.

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

Cover: blue CR - abrasion, ozone and hydrocarbon resistant.

Application: fuel, oil and hydraulic fluids suction and delivery. Specially designed for tank truck applications where extreme flexibility at low temperatures is required.

Temperature: -54 °C +82 °C (-65 °F +180 °F)

ID (mm)	ID (in)	OD (mm)	OD (in)	WP (bar)	WP (psi)	BP (bar)	BP (psi)	BR (mm)	BR (in)	Vacuum %	Weight (kg/m)	Weight (lb/ft)
51,0	2"	65,0	2,56	10	150	30	450	76	2,99	100,00	1,600	1,08
76,0	3"	92,0	3,62	10	150	30	450	114	4,49	100,00	2,780	1,87
102,0	4"	119,0	4,69	10	150	30	450	153	6,02	100,00	4,040	2,72

// LOW TEMPERATURE HOSES

Specially designed for extreme conditions in Siberian and Arctic regions:

- Open-pit mines
- Forestry
- Oil & Gas
- Construction



Designed to ISO 18752, outperforming traditional standards 4SP, 4SH, R13, R15, R19:

- High impulse pressure resistance and long service life
- Very small bend radius and low bending force
- Compact dimensions and low weight

Very high flexibility at -55 °C

- Bend radius up to 50% of the traditional norms and very low bending force

Complete range and top parameters, unrivaled in the hydraulic hose industry!

APPLICATION



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