ALFAGOMMA GROUP

EVOLUTION

ALFAGOMMA

INDUSTRIAL HOSE RANGE

EVOLUTION

SUPERIOR QUALITY – UNPRECEDENTED PERFORMANCE

EXTRA SAFE CONSTRUCTION

- Ultra clean, contamination free tube
- Extruded construction up to ID 102 mm - 4”
- Multiple synthetic yarns reinforcement layers
- One high tensile steel helix wire - S&D hose

EXTREME FLEXIBILITY – S&D HOSE

EVOLUTION

WP up to 10 bar

- BR = 2 x ID ID ≤ 51 mm
- BR = 3 x ID ID 63 - 102 mm
- BR = 4 x ID ID > 102 mm

WP 16-20 bar

- BR = 3 x ID ID ≤ 51 mm
- BR = 4 x ID ID 63 - 102 mm
- BR = 5 x ID ID > 102 mm

EVOLUTION PLUS

- BR = 1 x ID ID ≤ 51 mm
- BR = 2 x ID ID 63 - 102 mm
- BR = 3 x ID ID 127 - 152 mm
- BR = 4 x ID ID 203 mm

EXCEPTIONAL MANUFACTURING TOLERANCE CONTROL

THE NEW EVOLUTION PROCESS IS IMMEDIATELY AVAILABLE FOR THE PRODUCTS LISTED IN THIS LEAFLET

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// ICONS

36 mm³ — Top abrasion resistance

Ω R≤10⁶Ω — Electrical resistance ≤ 10^6 Ω/length

2004/1935 EC 2006/2023 EC — 2004/1935 EC 2006/2023 EC

50 mm³ — Premium abrasion resistance

TOP — High performance product

IANESCO — IANESCO approved

Dimensions shown may be changed without prior notice

// COMPRESSED AIR

// 155AA

EVOLUTION

Compressed air 20 bar (300 psi) - Heavy duty

Tube: black SBR/NBR - oil mist resistant.
Reinforcement: high tensile textile cords.
Cover: black SBR - abrasion and ozone resistant.
Application: compressed air designed for heavy duty applications.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
19,0	3/4"	29,00	1,14	20	300	60	900				0,520	0,35
25,0	1"	35,00	1,38	20	300	60	900				0,650	0,44
32,0	1 1/4"	44,00	1,73	20	300	60	900				0,870	0,59
38,0	1 1/2"	50,00	1,97	20	300	60	900				1,010	0,68
51,0	2"	65,00	2,56	20	300	60	900				1,250	0,85
63,0	2 1/2"	79,00	3,11	20	300	50	730				2,260	1,52
76,0	3"	92,00	3,62	20	300	50	730				2,770	1,87
102,0	4"	118,00	4,65	20	300	50	730				3,610	2,43

// 155AK

EVOLUTION

Compressed air 20 bar (300 psi) - Heavy duty

Tube: black SBR/NBR - oil mist resistant.
Reinforcement: high tensile textile cords.
Cover: yellow SBR - abrasion and ozone resistant.
Application: compressed air designed for heavy duty applications.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
19,0	3/4"	29,00	1,14	20	300	60	900				0,520	0,35
25,0	1"	35,00	1,38	20	300	60	900				0,650	0,44
32,0	1 1/4"	44,00	1,73	20	300	60	900				0,870	0,59
38,0	1 1/2"	50,00	1,97	20	300	60	900				1,010	0,68
51,0	2"	65,00	2,56	20	300	60	900				1,260	0,85
63,0	2 1/2"	79,00	3,11	20	300	50	730				2,270	1,53
76,0	3"	92,00	3,62	20	300	50	730				2,770	1,87
102,0	4"	118,00	4,65	20	300	50	730				3,620	2,44

Dimensions shown may be changed without prior notice

// WATER & LIQUIDS

// 254AA

EVOLUTION
Air-water delivery 10 bar (150 psi)

Tube: black SBR.
Reinforcement: high tensile textile cords.
Cover: black SBR - abrasion and ozone resistant.
Application: air and water delivery.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
19,0	3/4"	27,00	1,06	10	150	30	450				0,380	0,26
25,0	1"	33,00	1,30	10	150	30	450				0,490	0,33
32,0	1 1/4"	42,00	1,65	10	150	30	450				0,790	0,54
38,0	1 1/2"	48,00	1,89	10	150	30	450				0,920	0,62
51,0	2"	61,00	2,40	10	150	30	450				1,210	0,82
63,0	2 1/2"	75,00	2,95	10	150	30	450				1,630	1,10
76,0	3"	88,00	3,46	10	150	30	450				2,220	1,50
102,0	4"	114,00	4,49	10	150	30	450				3,000	2,02
152,0	6"	166,00	6,54	10	150	30	450				4,690	3,16
203,0	8"	219,00	8,62	10	150	20	300				6,950	4,68

// 253AA

EVOLUTION
Water discharge 10 bar (150 psi) - Lay flat

Tube: black EPDM.
Reinforcement: high tensile textile cords.
Cover: black EPDM - abrasion and ozone resistant.
Application: lay flat water discharge.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
32,0	1 1/4"	40,00	1,57	10	150	30	450				0,460	0,31
38,0	1 1/2"	46,00	1,81	10	150	30	450				0,550	0,37
51,0	2"	59,00	2,32	10	150	30	450				0,750	0,51
63,0	2 1/2"	71,00	2,80	10	150	30	450				0,910	0,62
76,0	3"	86,00	3,39	10	150	30	450				1,490	1,01
102,0	4"	112,00	4,41	10	150	30	450				2,040	1,38
127,0	5"	139,00	5,47	10	150	30	450				2,740	1,85
152,0	6"	164,00	6,46	10	150	30	450				3,370	2,27
203,0	8"	217,00	8,54	10	150	20	300				4,810	3,24
254,0	10"	270,00	10,63	10	150	20	300				7,680	5,17

Dimensions shown may be changed without prior notice

// 202AA

R≤10⁶Ω

EVOLUTION
General purpose S&D 10 bar (150 psi) - EPDM

Tube: black conductive EPDM.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: black conductive EPDM - abrasion and ozone resistant.
Application: water suction and delivery. Also suitable for mild chemicals and fertilizers in general industrial and agricultural applications.
Constant operation: -40 °C +100 °C (-40 °F +212 °F) depending on conveyed chemical

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"	36,00	1,42	10	150	30	450	50	1,97	100	0,700	0,48
32,0	1 1/4"	43,00	1,69	10	150	30	450	64	2,52	100	0,860	0,58
38,0	1 1/2"	49,00	1,93	10	150	30	450	76	2,99	100	1,000	0,68
51,0	2"	62,00	2,44	10	150	30	450	102	4,02	100	1,300	0,88
63,0	2 1/2"	76,00	2,99	10	150	30	450	189	7,44	90	2,010	1,36
76,0	3"	89,00	3,50	10	150	30	450	228	8,98	90	2,390	1,61
102,0	4"	116,00	4,57	10	150	30	450	306	12,05	90	3,300	2,22
152,0	6"	168,00	6,61	10	150	25	375	608	23,94	80	5,330	3,59
203,0	8"	221,00	8,70	10	150	25	375	812	31,97	70	9,880	6,64
254,0	10"	272,00	10,71	10	150	25	375	1270	50,00	60	13,520	9,09

// 2P1AA NEW

EVOLUTION PLUS
Water-slurry S&D 10 bar (150 psi) - Square corrugated - Extra flexible

Tube: black synthetic rubber.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: black synthetic rubber, abrasion and ozone resistant.
Application: water suction and delivery. Special construction for maximum flexibility for slurry tankers.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
51,0	2"	65,00	2,56	10	150	30	450	51	2,01	100	1,440	0,97
76,0	3"	91,00	3,58	10	150	30	450	152	5,98	90	2,490	1,67
102,0	4"	119,00	4,69	10	150	30	450	204	8,03	90	3,510	2,36
152,0	6"	169,00	6,65	10	150	25	375	456	17,95	80	6,430	4,32
203,0	8"	222,00	8,74	10	150	25	375	812	31,97	70	11,040	7,42

Dimensions shown may be changed without prior notice

// 223AA

Ω
R≤10⁶Ω

EVOLUTION

Water S&D 20 bar (300 psi) - Heavy duty

Tube: black conductive EPDM.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: black conductive EPDM - abrasion and ozone resistant.
Application: water suction and delivery. Designed for long service life in heavy duty applications.
Constant operation: -30 °C +100 °C (-22 °F +212 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
51,0	2"	63,00	2,48	20	300	60	900	153	6,02	100	1,430	0,97
63,0	2 1/2"	77,00	3,03	20	300	60	900	252	9,92	90	2,080	1,40
76,0	3"	90,00	3,54	20	300	60	900	304	11,97	90	2,550	1,72
102,0	4"	116,00	4,57	20	300	60	900	408	16,06	90	3,490	2,35
152,0	6"	172,00	6,69	20	300	60	900	760	29,92	80	8,150	5,48

Dimensions shown may be changed without prior notice

// AGRICULTURE

// 702AA

EVOLUTION
Air seeder

Tube: black conductive NR.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: black NBR/PVC - oil, heat, abrasion and ozone resistant.
Application: agricultural seed transfer in “Air-Flo” seeding equipments.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
32,0	1 1/4"	43,00	1,69	10	150	30	450	64	2,52	100	0,880	0,60
38,0	1 1/2"	49,00	1,93	10	150	30	450	76	2,99	100	1,030	0,70
45,0	1 3/4"	56,00	2,20	10	150	30	450	90	3,54	100	1,190	0,80
51,0	2"	62,00	2,44	10	150	30	450	102	4,02	100	1,330	0,90
63,0	2 1/2"	76,00	2,99	10	150	30	450	189	7,44	90	2,210	1,49
76,0	3"	89,00	3,50	10	150	30	450	228	8,98	90	2,430	1,64

Dimensions shown may be changed without prior notice

// FOOD & BEVERAGES

// 350LE NEW

2004/1935 EC 2006/2023 EC

IANESCO

EVOLUTION
Steam 6 bar (90 psi) - Hot water 15 bar (225 psi)
FDA - arrêté du 09/11/94 D

Tube: white food grade EPDM.
Reinforcement: high tensile textile cords.
Cover: blue EPDM - heat, abrasion and ozone resistant.
Application: saturated steam and hot water delivery in general industrial applications. Specially designed for wash down use in the food and dairy industry.
Also suitable for liquid food and alcoholic beverages.
Constant operation: water -40 °C +120 °C (-40 °F +248 °F) steam +165 °C (+330 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
19,0	3/4"	31,00	1,22	6	90	60	900				0,580	0,39
25,0	1"	37,00	1,46	6	90	60	900				0,690	0,47

// 401LA NEW

2004/1935 EC 2006/2023 EC

IANESCO

2 x ID

EVOLUTION
Milk tanker 10 bar (150 psi) - Hard wall
FDA arrêté du 09/11/94 D

Tube: white NR.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: black SBR/NR - abrasion and ozone resistant.
Application: liquid food suction and delivery. Special construction for maximum flexibility in milk tanker applications. Sterilize with 110 °C (230 °F) steam for 10 minutes or with 5% soda solution.
Constant operation: -40 °C +80 °C (-40 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
51,0	2"	64,00	2,52	10	150	30	450	102	4,02	100	1,410	0,95
63,0	2 1/2"	77,00	3,04	10	150	30	450	126	4,96	90	2,150	1,45
76,0	3"	90,00	3,54	10	150	30	450	152	5,98	90	2,550	1,72

Dimensions shown may be changed without prior notice

// 400LE NEW

2004/1935 EC
2006/2023 EC

2 x ID

EVOLUTION

Multi-food S&D 10 bar (150 psi)
FDA - D.M. 21/03/73

Tube: white NBR.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: blue NR/EPDM - abrasion and ozone resistant.
Application: liquid and fat food-alcoholic beverages suction and delivery - max 75%. Special construction for maximum flexibility. Sterilize with 130 °C (266 °F) steam for 30 minutes or with 5% soda solution.
Constant operation: liquid food -30 °C +110 °C (-22 °F +230 °F) fat food -30 °C +120 °C (-22 °F +248 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"	36,00	1,42	10	150	30	450	50	1,97	100	0,690	0,47
32,0	1 1/4"	43,00	1,69	10	150	30	450	64	2,52	100	0,840	0,57
38,0	1 1/2"	49,00	1,93	10	150	30	450	76	2,99	100	0,980	0,66
51,0	2"	63,00	2,48	10	150	30	450	102	4,02	100	1,270	0,86
63,0	2 1/2"	76,00	2,99	10	150	30	450	126	4,96	90	2,020	1,37
76,0	3"	89,00	3,50	10	150	30	450	152	5,98	90	2,400	1,62
102,0	4"	116,00	4,47	10	150	30	450	204	8,03	90	3,380	2,28

Dimensions shown may be changed without prior notice

// BULK MATERIAL

// 760AA

R≤10⁶Ω

EVOLUTION
Bulk material delivery 5 bar (75 psi)

Tube: black conductive NR - abrasion resistant.
Reinforcement: high tensile textile cords.
Cover: black conductive SBR/NR - abrasion and ozone resistant.
Application: bulk material delivery. Specially designed for dry cement, grain and animal feed transfer.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
102,0	4"	114,00	4,49	5	75	15	225				2,310	1,56
102,0	4"	118,00	4,65	5	75	15	225				2,710	1,83
102,0	4"	120,00	4,72	5	75	15	225				3,130	2,11
127,0	5"	145,00	5,71	5	75	15	225				3,800	2,56

// 766AA

R≤10⁶Ω

EVOLUTION
Bulk material delivery 10 bar (150 psi)

Tube: black conductive NR - abrasion resistant.
Reinforcement: high tensile textile cords.
Cover: black conductive SBR/NR - abrasion and ozone resistant.
Application: bulk material delivery in heavy duty applications. Specially designed for dry cement, grain and animal feed transfer.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
76,0	3"	92,00	3,62	10	150	30	450				2,120	1,43
102,0	4"	118,00	4,65	10	150	30	450				2,860	1,93
127,0	5"	143,00	5,63	10	150	30	450				3,530	2,38

Dimensions shown may be changed without prior notice

// 720AA

R≤10⁶Ω

EVOLUTION
Bulk material S&D 10 bar (150 psi)

Tube: black conductive NR - abrasion resistant.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: black conductive SBR/NR - abrasion and ozone resistant.
Application: bulk material suction and delivery in heavy duty applications. Specially designed for dry cement, grain and animal feed transfer.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
51,0	2"	65,00	2,56	10	150	30	450	102	4,02	100	1,430	0,97
63,0	2 1/2"	77,00	3,03	10	150	30	450	189	7,44	90	1,900	1,28
76,0	3"	90,00	3,54	10	150	30	450	228	8,98	90	2,280	1,54
76,0	3"	92,00	3,62	10	150	30	450	228	8,98	90	2,600	1,75
102,0	4"	116,00	4,57	10	150	30	450	306	12,05	90	3,180	2,14
102,0	4"	118,00	4,65	10	150	30	450	306	12,05	90	3,600	2,42
127,0	5"	143,00	5,63	5	75	15	225	508	20,00	80	4,750	3,20
127,0	5"	145,00	5,71	5	75	15	225	508	20,00	80	5,270	3,55
152,0	6"	168,00	6,61	5	75	15	225	608	23,94	80	5,950	4,00

// 7P1AA NEW

R≤10⁶Ω

EVOLUTION PLUS
Bulk material S&D - Square corrugated - Extra flexible

Tube: black conductive NR - abrasion resistant.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: black conductive SBR/NR - abrasion and ozone resistant.
Application: bulk material suction and delivery. Special construction for maximum flexibility.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
51,0	2"	67,00	2,64	10	150	30	450	51	2,01	100	1,630	1,10
63,0	2 1/2"	79,00	3,11	10	150	30	450	126	4,96	90	2,240	1,51
76,0	3"	92,00	3,62	10	150	30	450	152	5,98	90	2,650	1,78
102,0	4"	120,00	4,72	10	150	30	450	204	8,03	90	3,720	2,50
127,0	5"	145,00	5,71	5	75	15	225	381	15,00	80	5,400	3,63
152,0	6"	170,00	6,69	5	75	15	225	456	17,95	80	6,720	4,52

Dimensions shown may be changed without prior notice

// SANDBLAST

// 753AA

50 mm³

EVOLUTION

Sandblast 12 bar (180 psi) - Premium quality

Tube: black conductive NR - abrasion resistance 50 mm³ (ISO 4649/A).
Reinforcement: high tensile textile cords.
Cover: black SBR/NR - abrasion and ozone resistant - pin pricked.
Application: abrasive material blasting. Designed for long service life in heavy duty applications.
Constant operation: -40 °C +80 °C (-40 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
19,0	3/4"	33,00	1,30	12	180	36	540				0,690	0,47
19,0	3/4"	38,00	1,50	12	180	36	540				0,980	0,66
19,0	3/4"	40,00	1,57	12	180	36	540				1,110	0,75
25,0	1"	39,00	1,54	12	180	36	540				0,840	0,57
25,0	1"	48,00	1,89	12	180	36	540				1,510	1,02
32,0	1 1/4"	48,00	1,89	12	180	36	540				1,230	0,83
32,0	1 1/4"	55,00	2,17	12	180	36	540				1,800	1,21
38,0	1 1/2"	55,00	2,17	12	180	36	540				1,460	0,99
38,0	1 1/2"	60,00	2,36	12	180	36	540				1,850	1,25
51,0	2"	71,00	2,80	12	180	36	540				2,110	1,42
51,0	2"	73,00	2,87	12	180	36	540				2,360	1,59
51,0	2"	76,00	2,99	12	180	36	540				2,840	1,91

// 755AA

TOP

36 mm³

EVOLUTION

Sandblast 12 bar (180 psi) - Top quality

Tube: black conductive NR - abrasion resistance 36 mm³ (ISO 4649/A).
Reinforcement: high tensile textile cords.
Cover: black SBR/NR - abrasion and ozone resistant - pin pricked.
Application: abrasive material blasting. Designed for long service life in heavy duty application.
Constant operation: -40 °C +80 °C (-40 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
19,0	3/4"	33,00	1,30	12	180	36	540				0,700	0,48
25,0	1"	39,00	1,54	12	180	36	540				0,860	0,58
32,0	1 1/4"	48,00	1,89	12	180	36	540				1,240	0,84
38,0	1 1/2"	55,00	2,17	12	180	36	540				1,420	0,96
51,0	2"	71,00	2,80	12	180	36	540				2,100	1,42

Dimensions shown may be changed without prior notice

// PLASTER

// 757AA

Ω
R≤10⁶Ω

EVOLUTION
Plaster 40 bar (600 psi)

Tube: black conductive NR - abrasion resistant.
Reinforcement: high tensile textile cords.
Cover: black SBR/NR - abrasion and ozone resistant - pin pricked.
Application: plaster pumping.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"	38,00	1,50	40	600	100	1.500				0,640	0,44
32,0	1 1/4"	46,00	1,81	40	600	100	1.500				0,860	0,58
35,0	1 3/8"	49,00	1,93	40	600	100	1.500				0,870	0,59
38,0	1 1/2"	54,00	2,13	40	600	100	1.500				1,110	0,75
51,0	2"	67,00	2,64	40	600	100	1.500				1,820	1,23

Dimensions shown may be changed without prior notice

// HYDROCARBONS

// 954AH NEW

EVOLUTION
Multipurpose 20 bar (300 psi) - Non conductive

Tube: black non conductive NBR.
Reinforcement: high tensile textile cords.
Cover: red NBR/PVC - abrasion, ozone and hydrocarbon resistant.
Application: premium quality compressed air, water, fuel and oil delivery in general industrial applications.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
10,0	3/8"	16,00	0,63	20	300	60	900				0,185	0,28
13,0	1/2"	20,00	0,79	20	300	60	900				0,230	0,34
19,0	3/4"	27,00	1,06	20	300	60	900				0,420	0,62
25,0	1"	34,00	1,34	20	300	60	900				0,560	0,83
32,0	1 1/4"	44,00	1,73	20	300	60	900				0,880	1,31
38,0	1 1/2"	50,00	1,97	20	300	60	900				1,025	1,53
51,0	2"	65,00	2,56	20	300	60	900				1,500	2,23

// 654AA NEW

Ω
R≤10⁶Ω

EVOLUTION
Multi-fuel 20 bar (300 psi)
SAE J30R7

Tube: black conductive NBR.
Reinforcement: high tensile textile cords.
Cover: black conductive CR - abrasion, ozone, hydrocarbon resistant.
Application: fuel and oil delivery.
Also suitable for automotive and marine fuel transfer.
Constant operation: -40 °C +125 °C (-40 °F +257 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
6,0	1/4"	12,00	0,47	20	300	60	900				0,110	0,08
8,0	5/16"	14,00	0,55	20	300	60	900				0,130	0,09
10,0	3/8"	16,00	0,63	20	300	60	900				0,160	0,11
13,0	1/2"	20,00	0,79	20	300	60	900				0,220	0,15
16,0	5/8"	24,00	0,94	20	300	60	900				0,270	0,19
19,0	3/4"	27,00	1,06	20	300	60	900				0,330	0,23
25,0	1"	33,00	1,30	20	300	60	900				0,500	0,34

Dimensions shown may be changed without prior notice

// 650AA

Ω R≤10⁶Ω

EVOLUTION
Fuel-oil delivery 10 bar (150 psi)

Tube: black conductive NBR.
Reinforcement: high tensile textile cords.
Cover: black conductive CR - abrasion, ozone, hydrocarbon and fire resistant.
Application: general purpose fuel and oil delivery.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
19,0	3/4"	29,00	1,14	10	150	30	450				0,440	0,30
25,0	1"	35,00	1,38	10	150	30	450				0,560	0,38
32,0	1 1/4"	42,00	1,65	10	150	30	450				0,690	0,47
32,0	1 1/4"	44,00	1,73	10	150	30	450				0,810	0,55
38,0	1 1/2"	48,00	1,89	10	150	30	450				0,800	0,54
38,0	1 1/2"	50,00	1,97	10	150	30	450				0,950	0,64
51,0	2"	61,00	2,40	10	150	30	450				1,050	0,71
51,0	2"	63,00	2,48	10	150	30	450				1,230	0,83
63,0	2 1/2"	75,00	2,95	10	150	30	450				1,430	0,97
76,0	3"	88,00	3,46	10	150	30	450				1,920	1,30
102,0	4"	114,00	4,49	10	150	30	450				2,600	1,75

// 605AA

EVOLUTION
Fuel-oil S&D 10 bar (150 psi) exceed SAE 100R4 - SAE J2006/R2 - ISO 13363/2/A+B

Tube: black conductive NBR.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: black CR - abrasion, ozone and hydrocarbon resistant.
Application: fuel and oil suction and delivery. Specially designed for tank truck and general industrial applications. Also suitable for marine wet exhaust and bilge pump connection.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
19,0	3/4"	30,00	1,18	10	150	30	450	38	1,50	100	0,590	0,40
25,0	1"	36,00	1,42	10	150	30	450	50	1,97	100	0,740	0,50
32,0	1 1/4"	43,00	1,69	10	150	30	450	64	2,52	100	0,890	0,60
38,0	1 1/2"	49,00	1,93	10	150	30	450	76	2,99	100	1,040	0,70
51,0	2"	62,00	2,44	10	150	30	450	102	4,02	100	1,340	0,91
63,0	2 1/2"	76,00	2,99	10	150	30	450	189	7,44	90	2,080	1,40
76,0	3"	89,00	3,50	10	150	30	450	228	8,98	90	2,360	1,59
102,0	4"	116,00	4,57	10	150	30	450	306	12,05	90	3,400	2,29
127,0	5"	145,00	5,71	10	150	30	450	508	20,00	80	5,810	3,91
152,0	6"	170,00	6,69	10	150	25	375	608	23,94	80	7,230	4,86
203,0	8"	225,00	8,86	10	150	25	375	812	31,97	70	11,510	7,74

Dimensions shown may be changed without prior notice

// 6P1AA NEW

EVOLUTION PLUS

Fuel-oil S&D 10 bar (150 psi) - Square corrugated - Extra flexible exceed SAE 100R4 - SAE J30R5 SAE J2006/R2 - ISO 13363/2/A+B

Tube: black conductive NBR.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: black CR - abrasion, ozone and hydrocarbon resistant.
Application: fuel and oil suction and delivery. Specially designed for tank truck and general industrial applications. Also suitable for marine wet exhaust and bilge pump connection. Special construction for maximum flexibility.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
32,0	1 1/4"	46,00	1,81	10	150	30	450	32	1,26	100	1,110	0,75
38,0	1 1/2"	52,00	2,05	10	150	30	450	38	1,50	100	1,270	0,85
51,0	2"	65,00	2,56	10	150	30	450	51	2,01	100	1,620	1,09
63,0	2 1/2"	78,00	3,07	10	150	30	450	126	4,96	90	2,340	1,57
76,0	3"	91,00	3,58	10	150	30	450	152	5,98	90	2,770	1,86
102,0	4"	119,00	4,69	10	150	30	450	204	8,03	90	3,910	2,63

// 620AA

EVOLUTION

Fuel-oil S&D 20 bar (300 psi)

Tube: black conductive NBR.
Reinforcement: high tensile textile cords with embedded steel helix wire - antistatic wire.
Cover: black CR - abrasion, ozone and hydrocarbon resistant.
Application: fuel and oil suction and delivery. Designed for long service life in heavy duty applications.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
51,0	2"	63,00	2,48	20	300	60	900	153	6,02	100	1,630	1,10
63,0	2 1/2"	77,00	3,03	20	300	60	900	252	9,92	90	2,110	1,42
76,0	3"	90,00	3,54	20	300	60	900	304	11,97	90	2,600	1,75
102,0	4"	116,00	4,57	20	300	60	900	408	16,06	90	3,540	2,38
127,0	5"	146,00	5,71	20	300	60	900	635	25,00	80	6,500	4,37
152,0	6"	172,00	6,69	20	300	60	900	760	29,92	80	8,040	5,41
203,0	8"	225,00	8,86	20	300	60	900	812	31,97	70	12,200	8,20

Dimensions shown may be changed without prior notice

// MINING

// 151AA

EVOLUTION
Compressed air 20 bar (300 psi) - Heavy duty mining

Tube: black SBR/NBR - oil mist resistant.
Reinforcement: high tensile textile cords.
Cover: black SBR - abrasion and ozone resistant.
Application: compressed air designed for heavy duty mining applications.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
19,0	3/4"	31,00	1,22	20	300	60	900				0,560	0,38
25,0	1"	37,00	1,46	20	300	60	900				0,690	0,47
38,0	1 1/2"	52,00	2,05	20	300	60	900				1,070	0,72
51,0	2"	67,00	2,64	20	300	60	900				1,720	1,16

// 151AK

EVOLUTION
Compressed air 20 bar (300 psi) - Heavy duty mining

Tube: black SBR/NBR - oil mist resistant.
Reinforcement: high tensile textile cords.
Cover: yellow SBR - abrasion and ozone resistant.
Application: compressed air designed for heavy duty mining applications.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
19,0	3/4"	31,00	1,22	20	300	60	900				0,560	0,38
25,0	1"	37,00	1,46	20	300	60	900				0,690	0,47
38,0	1 1/2"	52,00	2,05	20	300	60	900				1,070	0,72
51,0	2"	67,00	2,64	20	300	60	900				1,720	1,16

Dimensions shown may be changed without prior notice

// 240AA

R≤10⁶Ω

EVOLUTION
Air-water delivery 20 bar (300 psi) - FRAS exceeds AS 2660/B

Tube: black conductive SBR/NR.
Reinforcement: high tensile textile cords.
Cover: black conductive SBR - abrasion, ozone and fire resistant.
Application: air, water and stone dust delivery in underground mines.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
19,0	3/4"	31,00	1,22	20	300	80	1200	114	4,49		0,560	0,38
25,0	1"	37,00	1,46	20	300	80	1200	150	5,91		0,720	0,49
32,0	1 1/4"	46,00	1,81	20	300	80	1200	192	7,56		0,955	0,65
38,0	1 1/2"	52,00	2,05	20	300	80	1200	228	8,98		1,090	0,74
51,0	2"	67,00	2,64	20	300	80	1200	306	12,05		1,540	1,04
63,0	2 1/2"	79,00	3,11	20	300	80	1200	378	14,88		2,160	1,46
76,0	3"	92,00	3,62	20	300	70	1000	456	17,95		2,500	1,69
102,0	4"	118,00	4,65	20	300	70	1000	612	24,09		3,370	2,27

// 241AA

R≤10⁶Ω

EVOLUTION
Air-water delivery 35 bar (525 psi) AS 2660/B

Tube: black conductive SBR/NR.
Reinforcement: high tensile textile cords.
Cover: black conductive SBR - abrasion, ozone and fire resistant.
Application: air, water and stone dust delivery in underground mines.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"	37,00	1,46	35	525	85	1275	150	5,91		0,760	0,52

Dimensions shown may be changed without prior notice

// 225AA

R≤10⁶Ω

EVOLUTION
General purpose S&D 10 bar (150 psi) - FRAS exceeds AS 2660/C

Tube: black conductive SBR/NR.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: black conductive SBR - abrasion, ozone and fire resistant.
Application: water and stone dust suction and delivery. Also suitable for methane drainage/extraction in underground coal mines.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
51,0	2"	62,00	2,44	10	150	40	600	102	4,02	100	1,310	0,89
76,0	3"	89,00	3,50	10	150	40	600	228	8,98	90	2,290	1,54
102,0	4"	116,00	4,57	10	150	40	600	306	12,05	90	3,480	2,34
152,0	6"	170,00	6,69	10	150	40	600	608	23,94	80	6,630	4,46

// 245AA

R≤10⁶Ω

EVOLUTION
General purpose delivery & light suction 27 bar (400 psi) - Crush resistant - FRAS exceeds AS 2660/B

Tube: black conductive SBR/NR.
Reinforcement: high tensile textile braids.
Cover: black conductive SBR - abrasion, ozone and fire resistant.
Application: air and water delivery-light suction. Special heavy wall braided construction for vacuum, crush and kink resistance. Ideal for methane drainage/extraction in underground coal mines. Vacuum resistance 60%.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
51,0	2"	73,00	2,87	27	400	81	1200			60	2,400	1,62

Dimensions shown may be changed without prior notice

// 756AA

R≤10⁶Ω

EVOLUTION
Gunite 14 bar (200 psi) - FRAS exceeds AS 2660/C

Tube: black conductive NR - abrasion resistant.
Reinforcement: high tensile textile cords.
Cover: black conductive SBR - abrasion, ozone and fire resistant.
Application: gunite.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
38,0	1 1/2"	62,00	2,44	14	200	56	800				2,040	1,38
51,0	2"	75,00	2,95	14	200	56	800				2,470	1,66

// 765AA

R≤10⁶Ω

EVOLUTION
Stone dust 7 bar (100 psi) - FRAS exceeds AS 2660/C

Tube: black conductive SBR/NR - abrasion resistant.
Reinforcement: high tensile textile cords.
Cover: black conductive SBR - abrasion, ozone and fire resistant.
Application: “Stone dusting” in underground mines. Also suitable for air and water delivery.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
32,0	1 1/4"	46,00	1,81	7	100	28	400				0,960	0,65
51,0	2"	65,00	2,56	7	100	28	400				1,440	0,97

Dimensions shown may be changed without prior notice

// 776AA

R≤10⁶Ω

EVOLUTION
Mineral sampling 35 bar (525 psi)

Tube: black conductive NR - abrasion resistant.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: black conductive SBR/NR - abrasion and ozone resistant.
Application: mineral recovery in sampling operations.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
51,0	2"	77,00	3,03	35	525	105	1530	153	6,02	100	3,000	2,02
76,0	3"	106,00	4,17	35	525	105	1530	304	11,97	90	5,200	3,50
102,0	4"	134,00	5,28	35	525	105	1530	408	16,06	90	7,330	4,93

// 612AA

R≤10⁶Ω

EVOLUTION
Nitro blast handling 20 bar (300 psi)

Tube: black conductive NBR - abrasion resistant.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: black conductive CR - abrasion, ozone, hydrocarbon and fire resistant.
Application: explosive handling in mobile delivery units. Specially designed for heavy duty reeling applications.
Constant operation: -30 °C +80 °C (-22 °F +176 °F)

mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
51,0	2"	71,00	2,80	20	300	60	900	153	6,02	70	2,810	1,89
63,0	2 1/2"	83,00	3,27	20	300	60	900	189	7,44	70	2,980	2,01

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