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// 151AA



**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
13,0	1/2"	23,00	0,91	20	300	60	900				0,420	0,29
19,0	3/4"	31,00	1,22	20	300	60	900				0,690	0,47
25,0	1"	37,00	1,46	20	300	60	900				0,860	0,58
38,0	1 1/2"	52,00	2,05	20	300	60	900				1,260	0,85
51,0	2"	67,00	2,64	20	300	60	900				2,190	1,48

// 151AK



**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
13,0	1/2"	23,00	0,91	20	300	60	900				0,420	0,29
19,0	3/4"	31,00	1,22	20	300	60	900				0,690	0,47
25,0	1"	37,00	1,46	20	300	60	900				0,860	0,58
38,0	1 1/2"	52,00	2,05	20	300	60	900				1,260	0,85
51,0	2"	67,00	2,64	20	300	60	900				2,200	1,48

Dimensions shown may be changed without prior notice

## // 157AK

**Compressed air 27 bar (400 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"	29,00	1,14	27	400	81	1200	190,0	7,48		0,550	0,37
25,0	1"	35,00	1,38	27	400	81	1200	250,0	9,84		0,700	0,48
32,0	1 1/4"	44,00	1,73	27	400	81	1200	320,0	12,60		0,920	0,62
38,0	1 1/2"	50,00	1,97	27	400	81	1200	380,0	14,96		1,050	0,71
51,0	2"	65,00	2,56	27	400	81	1200	510,0	20,08		1,690	1,14

141

INDUSTRIAL HOSE

## // 189AK

**Air-water delivery - PVC - FRAS  
AS 2660/A - AS/NZS - 2554/A****Tube:** black antistatic PVC.**Reinforcement:** high tensile textile cords.**Cover:** yellow ribbed PVC with longitudinal antistatic stripes - abrasion and ozone resistant.**Application:** compressed air in underground mining applications. Specially designed for roof bolting applications.**Constant operation:** -5 °C +60 °C (+23 °F +140 °F)

↔		↔		↻		↻		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
13,0	1/2"	21,00	0,83	20	300	70	1000	104,0	4,09		0,285	0,20
19,0	3/4"	29,00	1,14	20	300	70	1000	152,0	5,98		0,500	0,34
25,0	1"	35,00	1,38	35	525	70	1000	200,0	7,87		0,640	0,44
38,0	1 1/2"	48,00	1,89	20	300	70	1000	304,0	11,97		0,960	0,65
50,0	2"	63,00	2,48	20	300	70	1000	400,0	15,75		1,415	0,96

// 146AK



**Compressed air-water 70 bar (1000 psi) - Steel braided**

**Tube:** black SBR/NBR - oil mist resistant.  
**Reinforcement:** one or two high tensile steel wire braids.  
**Cover:** yellow SBR/NBR - abrasion, ozone, hydrocarbon and flame resistant - pin pricked.  
**Application:** high pressure compressed air and water in heavy duty mining where long service life and maximum safety is required. Ideal for water spraying in mining dust control operation.  
**Constant operation:** -30 °C +90 °C (-22 °F +200 °F)

↔		↔		↻		↻		⤴		⚡	⚖	
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
19,0	3/4"	28,00	1,10	70	1000	280	4000	95,0	3,74		0,600	0,41
25,0	1"	34,00	1,34	70	1000	280	4000	125,0	4,92		0,790	0,54
32,0	1 1/4"	41,00	1,61	70	1000	280	4000	160,0	6,30		1,030	0,70
38,0	1 1/2"	49,00	1,93	70	1000	280	4000	190,0	7,48		1,600	1,08
51,0	2"	63,00	2,48	70	1000	280	4000	255,0	10,04		2,180	1,47
51,0	2"	63,00	2,48	70	1000	280	4000	255,0	10,04		2,180	1,47

// 141AA



**Compressed air 40 bar (600 psi) - Steel braided - FRAS exceeds AS 2660/B**

**Tube:** black conductive SBR/NR - oil mist resistant.  
**Reinforcement:** high tensile steel wire braids.  
**Cover:** black conductive SBR - abrasion, ozone and fire resistant.  
**Application:** high pressure compressed air and water in heavy duty "long wall" mining where long service life and maximum safety is required.  
**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"	90,00	3,54	40	600	120	1750	380,0	14,96		3,040	2,05
102,0	4"	118,00	4,65	40	600	120	1750	510,0	20,08		3,990	2,69

Dimensions shown may be changed without prior notice

// 289GG



**Mine dewatering - PVC - Lay flat**

**Tube:** green PVC.  
**Reinforcement:** high tensile textile cords.  
**Cover:** green PVC - abrasion, ozone and cut resistant.  
**Application:** lay flat water discharge for heavy duty applications. Specially designed for mine and construction sites dewatering. High end load resistance.  
**Constant operation:** -10 °C +60 °C (+14 °F +140 °F)

↔		↔		↻		↻		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
102,0	4"	113,00	4,45	14	200	48	720				1,600	1,08
157,0	6 3/16"	167,00	6,57	10	150	40	600				3,180	2,14
208,0	8 3/16"	220,00	8,66	10	150	40	600				4,970	3,35

// 240AA



**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
13,0	1/2"	23,00	0,91	20	300	80	1200	78,0	3,07		0,350	0,24
19,0	3/4"	31,00	1,22	20	300	80	1200	114,0	4,49		0,580	0,39
25,0	1"	37,00	1,46	20	300	80	1200	150,0	5,91		0,750	0,51
32,0	1 1/4"	46,00	1,81	20	300	80	1200	192,0	7,56		1,000	0,68
38,0	1 1/2"	52,00	2,05	20	300	80	1200	228,0	8,98		1,130	0,76
51,0	2"	67,00	2,64	20	300	80	1200	306,0	12,05		1,600	1,08
63,0	2 1/2"	79,00	3,11	20	300	80	1200	378,0	14,88		2,220	1,50
76,0	3"	92,00	3,62	20	300	70	1000	456,0	17,95		2,620	1,77
102,0	4"	118,00	4,65	20	300	70	1000	612,0	24,09		3,430	2,31

// 241AA



**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
19,0	3/4"	31,00	1,22	35	525	85	1275	114,0	4,49		0,580	0,39
25,0	1"	37,00	1,46	35	525	85	1275	150,0	5,91		0,750	0,51

// 225AA



**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	204,0	8,03	100	1,310	0,89	
76,0	3"	89,00	3,50	10	150	40	600	304,0	11,97	90	2,280	1,54	
102,0	4"	116,00	4,57	10	150	40	600	408,0	16,06	90	4,080	2,75	
152,0	6"	170,00	6,69	10	150	40	600	760,0	29,92	80	7,350	4,94	

// 245AA



**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	2,450	1,65	

Dimensions shown may be changed without prior notice

// 756AA



**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				2,200	1,48	
51,0	2"	75,00	2,95	14	200	56	800				2,810	1,89	

// 765AA



**Stone dust 7 bar (100 psi) - FRAS**

**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				1,010	0,68	
51,0	2"	65,00	2,56	7	100	28	400				1,510	1,02	

// 706AA



**Abrasive slurry S&D 10 bar (150 psi) - Muff couplings**

**Tube:** black conductive NR - Abrasion resistance 50 mm³ (ISO 4649/A).

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

**Cover:** black conductive SBR/NR - abrasion and ozone resistant.

**Application:** bulk material and abrasive slurries suction and delivery in heavy duty mining. Designed for muff coupling use.

**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"	69,00	2,72	10	150	30	450	204,0	8,03	90	2,290	1,54	
76,0	3"	100,00	3,94	10	150	30	450	304,0	11,97	90	4,350	2,93	
102,0	4"	126,00	4,96	10	150	30	450	408,0	16,06	90	5,750	3,87	
127,0	5"	155,00	6,10	10	150	30	450	635,0	25,00	80	8,370	5,63	
152,0	6"	182,00	7,17	10	150	25	375	760,0	29,92	80	10,840	7,29	
203,0	8"	235,00	9,25	10	150	25	375	1015,0	39,96	70	16,010	10,76	
254,0	10"	286,00	11,26	10	150	25	375	1270,0	50,00	60	20,180	13,57	
305,0	12"	343,00	13,50	10	150	25	375	1525,0	60,04	60	29,480	19,82	



// 776AA



**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	204,0	8,03	100	3,000	2,02
76,0	3"	106,00	4,17	35	525	105	1530	304,0	11,97	90	4,950	3,33
102,0	4"	134,00	5,28	35	525	105	1530	408,0	16,06	90	7,320	4,92

// 776HA



**Mineral sampling 35 bar (525 psi)**

**Tube:** Red 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
76,0	3"	106,00	4,17	35	525	105	1530	304,0	11,97	90	4,890	3,29

// 714HA



**Drill cutting suction 5 bar (75 psi) - Corrugated**

**Tube:** Red NR - abrasion resistant.  
**Reinforcement:** high tensile textile cords with embedded steel helix wire - antistatic wire.  
**Cover:** black conductive SBR/NR - abrasion and ozone resistant.  
**Application:** bulk material suction and delivery. Specially designed for drill cutting suction in mobile drilling rigs. Corrugated 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"	61,00	2,40	5	75	15	225	127,0	5,00	100	1,190	0,80
63,0	2 1/2"	75,00	2,95	5	75	15	225	157,0	6,18	90	1,860	1,26
76,0	3"	90,00	3,54	5	75	15	225	190,0	7,48	90	2,560	1,73
102,0	4"	116,00	4,57	5	75	15	225	255,0	10,04	90	3,580	2,41
115,0	4 1/2"	129,00	5,08	5	75	15	225	287,0	11,30	90	4,070	2,74
127,0	5"	141,00	5,55	5	75	15	225	318,0	12,52	80	4,710	3,17
152,0	6"	166,00	6,54	5	75	15	225	380,0	14,96	80	5,580	3,76

Dimensions shown may be changed without prior notice

// 612AA



**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	255,0	10,04	70	2,800	1,89
63,0	2 1/2"	83,00	3,27	20	300	60	900	315,0	12,40	70	2,980	2,01

// 964AA



**Cable protection - FRAS AS 1802 - AS 2660**

**Tube:** black conductive SBR/NR.  
**Reinforcement:** high tensile textile cords.  
**Cover:** black conductive SBR - abrasion, ozone and fire resistant.  
**Application:** cable protection in underground mines. Also suitable for light duty air and water delivery max 5 bar (75 psi).  
**Constant operation:** -30 °C +80 °C (-22 °F +176 °F)

↔		↔		↻		↻		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
13,0	1/2"	21,00	0,83	5	75	15	225				0,240	0,17
16,0	5/8"	24,00	0,94	5	75	15	225				0,280	0,19
19,0	3/4"	29,00	1,14	5	75	15	225				0,410	0,28
25,0	1"	35,00	1,38	5	75	15	225				0,510	0,35
32,0	1 1/4"	42,00	1,65	5	75	15	225				0,630	0,43
38,0	1 1/2"	48,00	1,89	5	75	15	225				0,730	0,50
45,0	1 3/4"	55,00	2,17	5	75	15	225				0,850	0,58
51,0	2"	61,00	2,40	5	75	15	225				0,960	0,65