

# COMPACT HOSES XC1 – XC2



## // XC1 MINETUFF SM



## SAE 100 R17 - EN 857 1SC

**Tube:** oil resistant synthetic rubber.

**Reinforcement:** one high tensile steel braid.

**Cover:** smooth, minetuff abrasion, ozone and hydrocarbon resistant synthetic rubber.

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

**Constant operation:** -40 °C +100 °C (-40 °F +212 °F)  
air max T = +70 °C (+160 °F)

**Safety factor:** 1:4

Random length

Item Code	↔			↔		↻		↻		↷		⚖	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
875AA006SM <sup>(2)</sup>	04	6,0	1/4"	12,0	0,47	22,5	3000	90,0	12000	50	1,97	0,150	0,10
875AA008SM <sup>(2)</sup>	05	8,0	5/16"	13,3	0,52	21,5	3000	86,0	12000	55	2,17	0,190	0,13
875AA010SM <sup>(2)</sup>	06	10,0	3/8"	15,4	0,61	21,0	3000	84,0	12000	65	2,56	0,240	0,16
875AA012SM <sup>(2)</sup>	08	12,0	1/2"	19,0	0,75	21,0	3000	84,0	12000	90	3,54	0,310	0,21
875AA016SM <sup>(1)</sup>	10	16,0	5/8"	22,6	0,89	14,0	2000	56,0	8000	100	3,94	0,410	0,28
875AA020SM <sup>(1)</sup>	12	20,0	3/4"	26,0	1,02	10,5	1500	42,0	6000	125	4,92	0,480	0,32
875AA025SM <sup>(1)</sup>	16	25,0	1"	33,6	1,32	10,5	1500	42,0	6000	150	5,91	0,738	0,50
875AA032 <sup>(3)</sup>	20	32,0	1 1/4"	40,3	1,59	7,0	1000	28,0	4000	210	8,27	0,940	0,63
875AA038 <sup>(3)</sup>	24	38,0	1 1/2"	47,8	1,88	5,0	750	20,0	3000	430	16,93	1,190	0,80
875AA051 <sup>(3)</sup>	32	51,0	2"	61,0	2,40	5,0	750	20,0	3000	550	21,65	1,670	1,12

<sup>(1)</sup> EN 857 1SC

<sup>(2)</sup> EN 857 1SC - SAE 100 R17

<sup>(3)</sup> Wrapped cover

## // XC2 MINETUFF SM



## SAE 100 R17 - EN 857 2SC

**Tube:** oil resistant synthetic rubber.

**Reinforcement:** two high tensile steel braids.

**Cover:** smooth, minetuff abrasion, ozone and hydrocarbon resistant synthetic rubber.

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

**Constant operation:** -40 °C +100 °C (-40 °F +212 °F)  
air max T = +70 °C (+160 °F)

**Safety factor:** 1:4

Random length

Item Code	↔			↔		↻		↻		↷		⚖	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
859AA006SM <sup>(1)</sup>	04	6,0	1/4"	13,0	0,51	42,0	6000	168,0	24000	50	1,97	0,256	0,17
859AA008SM <sup>(1)</sup>	05	8,0	5/16"	14,7	0,58	38,0	5500	152,0	22000	55	2,17	0,312	0,21
859AA010SM <sup>(1)</sup>	06	10,0	3/8"	16,5	0,65	35,0	5000	140,0	20000	65	2,56	0,362	0,24
859AA012SM <sup>(1)</sup>	08	12,0	1/2"	20,0	0,79	28,0	4000	112,0	16000	90	3,54	0,454	0,30
859AA016SM <sup>(2)</sup>	10	16,0	5/8"	23,4	0,92	28,0	4000	112,0	16000	100	3,94	0,590	0,40
859AA020SM <sup>(2)</sup>	12	20,0	3/4"	27,6	1,09	21,5	3000	86,0	12000	120	4,72	0,740	0,50
859AA025SM <sup>(2)</sup>	16	25,0	1"	34,7	1,37	21,0	3000	84,0	12000	150	5,91	1,076	0,72
859AA032 <sup>(4)</sup>	20	32,0	1 1/4"	41,6	1,64	14,0	2000	56,0	8000	210	8,27	1,380	0,93
859AA038 <sup>(4)</sup>	24	38,0	1 1/2"	49,5	1,95	10,5	1500	42,0	6000	430	16,93	1,640	1,10
859AA051 <sup>(4)</sup>	32	51,0	2"	63,0	2,48	10,5	1500	42,0	6000	550	21,65	2,360	1,58
859AA063 <sup>(4)</sup>	40	63,0	2 1/2"	76,4	3,01	7,0	1000	28,0	4000	720	28,35	3,300	2,21
859AA076 <sup>(4)</sup>	48	76,0	3"	90,0	3,54	7,0	1000	28,0	4000	880	34,65	3,850	2,58
859AA102 <sup>(4)</sup>	64	102,0	4"	116,0	4,57	4,0	500	16,0	2000	980	38,58	4,600	3,09

<sup>(1)</sup> EN 857 2SC

<sup>(2)</sup> SAE 100 R17

<sup>(3)</sup> EN 857 2SC - SAE 100 R17

<sup>(4)</sup> Wrapped cover

## // XC2S MINETUFF SM



### Exceeds EN 857 2SC

**Tube:** oil resistant synthetic rubber.

**Reinforcement:** two high tensile steel braids.

**Cover:** smooth, minetuff abrasion, ozone and hydrocarbon resistant synthetic rubber.

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

**Constant operation:** -40 °C +100 °C (-40 °F +212 °F)  
air max T = +70 °C (+160 °F)

**Safety factor:** 1:4 - for 1" 1:3,5  
Random length

Item Code	↔			↔			↻		↻		⤵		kg/m	lb/ft
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in			
883AA012SM	08	12,0	1/2"	20,5	0,81	35,0	5000	140,0	20000	120	4,72	0,490	0,33	
883AA020SM	12	20,0	3/4"	27,6	1,09	28,0	4000	112,0	16000	150	5,91	0,800	0,54	
883AA025SM	16	25,0	1"	34,7	1,37	28,0	4000	98,0	14000	300	11,81	1,130	0,76	

### PRESSURE PERFORMANCE

mm	1SN - 1SC		XC1		2SN - 2SC		XC2		XC2 S		FXP 2	
	WP bar	WP psi	WP bar	WP psi	WP bar	WP psi	WP bar	WP psi	WP bar	WP psi	WP bar	WP psi
6	225	3K	225	3K	400	5,8K	420	6K			420	6K
8	215	3K	215	3K	350	5K	380	5,5K			375	5,4K
10	180	2,6K	210	3K	330	4,8K	350	5K			350	5K
12	160	2,3K	210	3K	275	4K	280	4K	350	5K	310	4,5K
16	130	1,9K	140	2K	250	3,6K	280	4K			280	4K
20	105	1,5K	105	1,5K	215	3K	215	3K	280	4K	240	3,5K
25	88	1,3K	105	1,5K	165	2,4K	210	3K	280	4K	210	3K
32	63	0,9K	70	1K	125	1,8K	140	2K			140	2K
38	50	0,75K	50	0,75K	90	1,3K	105	1,5K			125	1,8K
51	40	0,5K	50	0,75K	80	1,2K	105	1,5K			100	1,5K
63							70	1K			70	1K
76							70	1K			70	1K
102							40	0,5K			40	0,5K

### BEND RADIUS

mm	1SN		XC1		2SN		XC2		XC2 S		FXP 2	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
6	100	3,94	50	1,97	100	3,94	50	1,97			50	1,97
8	115	4,53	55	2,17	115	4,53	55	2,17			55	2,17
10	130	5,12	65	2,56	130	5,12	65	2,56			65	2,56
12	180	7,09	90	3,54	180	7,09	90	3,54	120	4,72	90	3,54
16	200	7,87	100	3,94	200	7,87	100	3,94			100	3,94
20	240	9,54	120	4,72	240	9,45	120	4,72	150	5,91	120	4,72
25	300	11,81	150	5,91	300	11,81	150	5,91	300	11,81	150	5,91
32	420	16,54	210	8,27	420	16,54	210	8,27			210	8,27
38	500	19,69	430	16,93	500	19,69	430	16,93			430	16,93
51	630	24,80	550	21,65	630	24,80	550	21,65			550	21,65
63							720	28,35			720	28,35
76							880	34,65			880	34,65
102							980	38,58				

## // NEW COMPACT HOSES XC1 AND XC2 - ONE OR TWO STEEL BRAIDS

New compact one and two steel braid hose exceeds EN 857 1SC and EN 857 2SC standards. Specially designed for several applications where high pressures, reduced bend radius, high abrasion and fire resistance are required.

### MAIN FEATURES

- // Compact construction
- // Superior pressure performance
- // Reduced bend radius
- // Smooth minetuff fire resistant cover (MSHA approved)

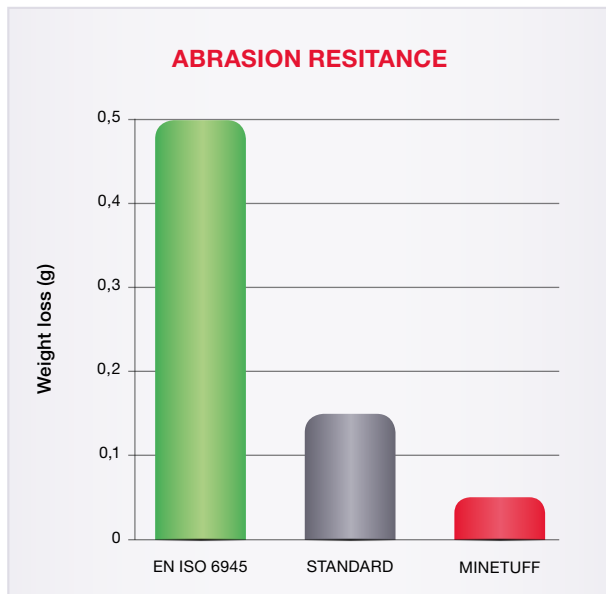


### // ABRASION RESISTANCE

Test according to EN 853-856-857 Annex A\* requirement (weight 25+/-5N) states that the maximum allowed loss of weight is 0,5 g:

- // ALFAGOMMA standard cover: 0,15 g after 2000 cycles
- // Minetuff cover: 0,05 g after 2000 cycles

\* ex EN-ISO 6945



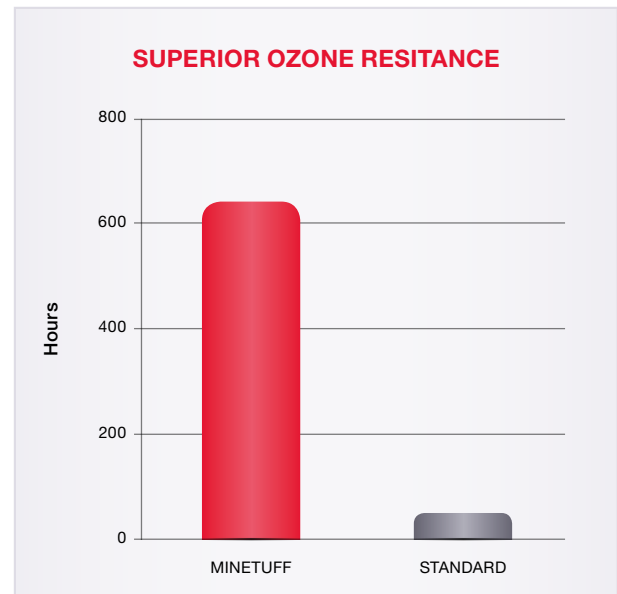
### // FLAME RESISTANCE

MINETUFF cover is MSHA (Mine Safety and Health Administration) approved for flame resistance.

### // OZONE RESISTANCE

Test according to EN 27326. **Test Conditions:** -50 ppm Ozone Concentration and T= 40 °C

- // ALFAGOMMA standard cover: 72 hours
- // Minetuff cover: 720 hours



### // UV RAYS AND CHEMICAL

MINETUFF cover is resistant to UV, animal fats, acids and any other environmental stress.