

Design and dimensions shown may be changed without prior notice

// 605AA



MSHA

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, hydrocarbon and flame 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	76,0	2,99	100	0,590	0,40	
25,0	1"	36,00	1,42	10	150	30	450	100,0	3,94	100	0,750	0,51	
30,0	1 3/16"	41,00	1,61	10	150	30	450	120,0	4,72	100	0,890	0,60	
32,0	1 1/4"	43,00	1,69	10	150	30	450	128,0	5,04	100	0,940	0,64	
35,0	1 3/8"	46,00	1,81	10	150	30	450	140,0	5,51	100	1,020	0,69	
38,0	1 1/2"	49,00	1,93	10	150	30	450	152,0	5,98	100	1,020	0,69	
40,0	1 9/16"	51,00	2,01	10	150	30	450	160,0	6,30	100	1,140	0,77	
42,0	1 5/8"	53,00	2,09	10	150	30	450	168,0	6,61	100	1,190	0,80	
45,0	1 3/4"	56,00	2,20	10	150	30	450	180,0	7,09	100	1,260	0,85	
48,0	1 7/8"	59,00	2,32	10	150	30	450	192,0	7,56	100	1,330	0,90	
51,0	2"	62,00	2,44	10	150	30	450	204,0	8,03	100	1,410	0,95	
57,0	2 1/4"	68,00	2,68	10	150	30	450	228,0	8,98	100	1,570	1,06	
60,0	2 3/8"	73,00	2,87	10	150	30	450	240,0	9,45	100	1,980	1,34	
63,0	2 1/2"	76,00	2,99	10	150	30	450	252,0	9,92	90	2,060	1,39	
70,0	2 3/4"	83,00	3,27	10	150	30	450	280,0	11,02	90	2,300	1,55	
76,0	3"	89,00	3,50	10	150	30	450	304,0	11,97	90	2,470	1,66	
80,0	3 1/8"	94,00	3,70	10	150	30	450	320,0	12,60	90	2,650	1,79	
90,0	3 1/2"	104,00	4,09	10	150	30	450	360,0	14,17	90	3,090	2,08	
102,0	4"	116,00	4,57	10	150	30	450	408,0	16,06	90	3,440	2,32	
110,0	4 5/16"	124,00	4,88	10	150	30	450	440,0	17,32	90	4,150	2,79	
115,0	4 1/2"	129,00	5,08	10	150	30	450	460,0	18,11	90	4,320	2,91	
120,0	4 3/4"	138,00	5,43	10	150	30	450	480,0	18,90	80	5,530	3,72	
127,0	5"	145,00	5,71	10	150	30	450	508,0	20,00	80	5,810	3,91	
133,0	5 1/4"	151,00	5,94	10	150	30	450	532,0	20,94	80	6,050	4,07	
152,0	6"	170,00	6,69	10	150	25	375	608,0	23,94	80	7,230	4,86	
203,0	8"	225,00	8,86	10	150	25	375	812,0	31,97	70	11,470	7,71	

Hose type: 605AA063760000

ID x OD: 63 x 76

Lot: 51892

Order confirmation: ----

Manufacturing date: 17/5/2024

Test date: 17/5/2024

Test code: DHM240517/10

Brand: (AG logo) ALFAGOMMA-ITALY 605 (EVOLUTION logo) 10 bar (150 psi) PETROLEUM S&D (omega) - SAE 100R4 - MSHA IC-152/23

Subject: Alfagomma (Ningbo) Co. Ltd.

Property	Norm	Chapter	Test metod	Limits		Results	
				Min	Max		
Flexibility at minimum bend radius	ISO 13363 Type 1 / Type 2	8.2	SO 1746 Met. A	20	0.5	%	Reduction in outside diameter (BR = 355 mm)
Resistance to vacuum test	SAE 100 R4	11	SAE J343	1	1	Visual	0 leak or cracks/ 1 OK; at absolute pressure o 0.83 bar) for 5 min.
Inside diameter	SAE 100 R4	11.1.1	SAE J343	61.9	65.1	63.4	mm
Outside diameter	SAE 100 R4	11.1.1	SAE J343	82.6	76.7	mm	
Proof pressure	SAE 100 R4	11.1.2	SAE J343	1	1	Visual	0 leak/ 1 OK at the proof pressure (15 bar)
Adhesion (Filler/Cover)	SAE J2006 TYPE R2	6	ASTM D413	2.2	3.6	N/mm	
Adhesion (Lining/Filler)	SAE J2006 TYPE R2	6	ASTM D413	2.2	3	N/mm	
Thickness	Specifica Alfagomma	02	NI EN ISO 467		7	mm	
Minimum tube thickness	Specifica Alfagomma	03	NI EN ISO 467		2	mm	
Minimum cover thickness	Specifica Alfagomma	04	NI EN ISO 467		1.5	mm	
Change in length at working pressure	Specifica Alfagomma	06	NI EN ISO 140		4.3	%	10 bar
Change in outside diameter at working pressu	Specifica Alfagomma	07	NI EN ISO 140		0.2	%	10 bar
Twist at working pressure	Specifica Alfagomma	08	NI EN ISO 140		2.6	°/m	10 bar
Burst pressure	Specifica Alfagomma	12	EN ISO 1402	30	43	bar	
Weight hose	Specifica Alfagomma	44	Interno	2.06	2.09	kg/m	
Electrical resistance	Specifica Alfagomma	63	NI EN ISO 803	1	0.013	MOhm	
Electrical resistance tube	TRbF 131/2	5.7.1	RbF DIN 5348t	1	0.015	MOhm	

Conclusions:
This test is passed

Laboratory operator : 

Laboratory Mgr : 