



The Mandals Guardman firehose has been developed, manufactured, and continuously updated since the 1960s. It was originally known as Armtex, and it's categorized as a type 3 firehose. It has been chosen by the most demanding of customers for decades.

The Guardman series is in compliance with NS4016/18, BS6391, DIN14811 and NEN2242. Bureau Veritas Type Approval for several dimensions according to EN14540:2014, IMO, SOLAS 74 and BV Rules for the classification of Steel Ships.

Primary Uses & Applications

- Construction.
- Firefighting.
- Industrial safety.
- Oil and gas.
- Refineries.
- Airport fire protection.
- Military.

Features

- Highly durable.
- Light weight and easy to deploy and retrieve.
- Adapts well to the terrain and can be routed around obstacles.
- Minimum axial elongation and snaking.
- Can withstand great physical strain and temperature fluctuation.
- Field proven hose with a long track record.

Construction

- Fully extruded hose where the rubber blend has been extruded through the circular woven polyester jacket, ensuring exceptionally good bonding and no delamination.
- The rubber blend has added UV barrier to prevent damage to the rubber from UV radiation. It can stand most of the commonly used chemicals and low aromatic oil products.
- The hose is designed to absorb the pressure increase by swelling rather than stretching. This means increased diameter under pressure and reduced friction loss.

Properties

- Lengths up to 200 meters, depending on size.
- Color options: Red (standard), blue (optional), yellow (optional), and green (optional).
- Different coupling options available.
- Operating temperature from -30°C to +60°C (-22°F to +140°F).
- Bureau Veritas Type approval for several dimensions. See below.

Guardman

Article Number	Inner Diameter ¹		Wall Thickness		Weight		Maximum Working Pressure ²		Burst Pressure		Nom. Tensile Strength ³	
	Inch	mm	Inch	mm	lbs/ft	kg/m	psi	bar	psi	bar	X1000 lbs	X1000 kg
AGS025	1	26	0.09	2.3	0.17	0.26	435	30	1300	90	5.0	2.3
AGS038	1 1/2"	38	0.09	2.3	0.23	0.34	300	20.5	900	62	6.4	2.9
AGS042	1 2/3"	42	0.09	2.3	0.23	0.34	310	21.5	940	65	6.8	3.1
AGS045	1 3/4"	45	0.09	2.3	0.24	0.35	235	16.5	725	50	7.2	3.3
AGS051	2"	51	0.10	2.4	0.30	0.44	230	16	690	48	8.3	3.8
AGS065	2 1/2"	65	0.10	2.4	0.39	0.58	230	16	690	48	11.0	5.0
AGS076	3"	76	0.10	2.5	0.49	0.73	220	15.5	680	47	15.4	7.0
AGS102	4"	102	0.11	2.8	0.74	1.10	200	14	600	42	21.0	9.5
KGS127	5"	127	0.12	3.0	1.01	1.53	200	14	600	42	35.5	16.1
KGS150	6"	151	0.13	3.3	1.24	1.85	165	11.5	505	35	35.5	16.1

Note: ¹Hoses with BV Type Approval. ²Tolerance range based on ISO1307 Type C. ³Values are for hose only; allowed working pressure can not exceed coupling pressure rating. For questions about chemical resistance please check mandals.com/support. ³Calculated value. Use a reduction factor of 0.75 for realistic maximum tensile strength values.