



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 <sup>1</sup>		Wall Thickness		Weight		Maximum Working Pressure <sup>2</sup>		Burst Pressure		Nom. Tensile Strength <sup>3</sup>	
	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	310	21.5	940	65	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
KGS150	6	151	0.13	3.3	1.24	1.85	165	11.5	505	35	35.5	16.1

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