



Mandals Guardman is a high quality fire hose made from a blend of nitrile rubber and PVC.

Mandals Guardman is a fully extruded hose where the rubber blend has been extruded through the circular woven polyester jacket, ensuring exceptionally good bonding and no delamination.

After extrusion, the hose is vulcanized and hydro tested. The hose is designed to absorb the pressure increase by swelling rather than stretching. This means increased diameter under pressure and reduced friction loss.

The special rubber blend renders Mandals Guardman light and pliable with no adverse effects on operability all the way from +75°C down to -30°C. Intermittent use up to +80°C. The rubber blend has added UV barrier to prevent damage to the rubber from UV radiation. It can tolerate most low aromatic oil products as well as commonly used chemicals.

Mandals Guardman has been chosen by the most demanding of customers over the years. Offshore oil rigs and installations in the Norwegian North Sea sector has standardized on this firehose. So has also international shipping – a proof of quality in the most demanding of markets. Mandals Guardman has been approved by a large number of national authorities and has obtained the maritime “wheel – mark” certification.

Tested in accordance with

- NS 4016 – 4018
- SS 2840
- DIN 14811
- NEN 2242
- BS 6391 type 3

Standard lengths

- 15 – 20 – 25 – 30 – 60 meters
- 50 – 75 – 100 – 200 ft.

Lengths up to 200 meters on request.

Technical Data

Inner Diameter		Wall Thickness		Weight		Burst Pressure	
inch	mm	inch	mm	lbs/ft	kg/m	psi	bar
1	25,4 +1,6	0,10	2,5	0,17	0,26	1500	100
1 1/2	38,0 +1,6	0,09	2,2	0,20	0,30	800	55
1 2/3	42,0 +1,6	0,09	2,2	0,21	0,32	800	55
1 3/4	45,0 +1,6	0,09	2,2	0,25	0,37	725	50
2	51,0 +2,0	0,09	2,2	0,25	0,38	725	45
2 1/2	65,0 +2,0	0,09	2,2	0,35	0,53	650	45
3	76,0 +2,0	0,10	2,6	0,49	0,73	650	45
3 1/2	90,0 +2,0	0,11	2,8	0,67	1,00	580	40
4	102,0 +2,5	0,11	2,7	0,72	1,07	525	36
6	150,0 +3,0	0,12	3,0	1,14	1,70	525	36

To obtain maximum lifetime for the hose, it is recommended that actual Working Pressure does not exceed 1/3 of the above listed values.