

PROGRESS

Rubber covered fire hose



Applications

- Refineries
- Chemical Industry
- Military
- Fire Brigades
- Marine and Offshore installations
- Fire Hose for usage under tough conditions

Features

- Tough, durable and very abrasion resistant
- Resistance to oil, fuel and a wide range of chemicals (see resistance table in technical appendix)
- Resistance to heat, UV and ozone
- Very low friction loss and low elongation
- Excellent adhesion between rubber and textile
- No cleaning and drying required
- Easy to repair

Construction

Textile reinforcement:

- Warp: high tenacity polyester
- Weft: polyamide/polyester, circular woven
- A special weaving design offers a high tensile strength, superior adhesion level and flow performance compared to an all polyester weave
- Totally embedded in the rubber compound, excellent protected against mechanical damage

Lining and cover:

- special high grade formulated NBR/PVC compound extruded "through the weave" in a unique one step production process
- special additives in the compound guarantee superior UV and ageing resistance
- Internal surface: very smooth for minimum friction loss.
- External surface: ribbed for good abrasion resistance and protection against contact heat

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Bore size (mm) (inch)		Weight (kg/m)	Wall thickness (mm)	Working pressure (Bar) (PSI)		Working pressure max. (Bar) (PSI)		Bursting pressure (Bar) (PSI)	
PROGRESS									
25	1	0.21	2.3	25	360	30	435	75	1,100
38	1½	0.30	2.3	15	230	20	290	50	725
45	1¾	0.34	2.3	15	230	20	290	50	725
52	2	0.40	2.5	15	230	20	290	50	725
64	2½	0.54	2.6	15	230	20	290	50	725
70	2¾	0.60	2.8	15	230	20	290	50	725
75	3	0.65	2.9	15	230	20	290	50	725
89	3½	0.85	3.0	15	230	20	290	50	725

Working pressure:

Pressure data are valid for the hose only (medium water, 20°C/68°F). On coupled hose units the working pressure can be lower because of the nominal pressure of the coupling system or the method of coupling binding:

BS 6391:2009 with British-Instantaneous couplings:
 Ø 38 – 89mm: max. working pressure 16 bar

DIN 14811 with STORZ couplings:
 Ø 25 – 75mm: max. working pressure 16 bar

Working pressure max:

The producer reserves the right to approve the hose for the maximum working pressure only after detailed evaluation of the application. Consult factory for details!

Test pressure

Maintained for 1 min:
 According BS 6391:2009:
 Ø 38 to 89: 22.5 bar

According DIN 14811:
 Ø 25 to 75: 24 bar

Standard length:

15, 20 m (50, 66 ft), in bore size 38 / 45 / 64 and 70 mm also 18, 23 and 30 m (60, 75, 100 ft), Other lengths on request

Standard color:

Red

Service temperature:

-20°C up to +80°C (-4°F up to 176°F), for water

Approvals:

BS 6391:2009 (Ø 38, 45, 64, 70)
 DIN 14811 (Ø 38, 45, 52, 65, 70, 75)
 MED 96/98/EC (Ø 38, 42, 45, 52)

The manufacturer reserves the right to change the specification without prior notice.

Special options:

- other diameters
- lengths up to 200 m (660 ft)
- colour according to customer specification
- cold flexible version PROGRESS POLAR down to -30°C (-22°F)

Special options may be subject to minimum order quantities