



#### APPLICATIONS

- Refineries
- Chemical industry
- Military
- Airport fire services
- Industrial and municipal fire brigades
- Fire hose for tough conditions

#### FEATURES

- Very lightweight and highly flexible (even at extremely low temperatures)
- Small coil diameter
- Excellent resistance to ageing and ozone
- Lining extremely resistant to seawater and a wide range of chemicals (see resistance table)
- Mildew and rotproof
- Easy to repair

#### CONSTRUCTION

##### Jacket lining

- Warp: high-tenacity polyester
- Weft: polyamide; circular woven
- The special jacket construction ensures outstanding adhesion and much lower pressure loss compared to a 100% polyester jacket lining
- Totally embedded in the rubber, offering optimum protection against mechanical damage

##### Rubberized lining and jacket

- Very high-grade NBR / PVC rubber compound, extruded through the weave in a special one-step production process
- Special additives in the compound guarantee outstanding resistance to ageing and ozone
- Inside: very smooth for minimum pressure loss
- Outside: very smooth for good flexibility

#### PRESSURES

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly.

DIN 14811 with STORZ couplings:

Ø 25–75 mm: maximum. working pressure 16 bar

BS 6391:2009 with British Instantaneous couplings:

Ø 38–76 mm: maximum. working pressure 15 bar

Ø 89: maximum. working pressure 12 bar

Maximum working pressure:

Approval can only be given by the manufacturer upon clarification of the exact scope of application.

Test pressure:

Maintained for 1 min.:

In accordance with DIN 14811:

Ø 25–75: 24 bar

In accordance with BS 6391:2009:

Ø 38–89: 22.5 bar



#### STANDARD LENGTHS

15, 18, 20, 23, 30 m

#### TEMPERATURE

Continuous use -20°C to +80°C (water) Temporary up to +100°C (water)

#### STANDARD COLOR

Red

#### INDIVIDUAL SOLUTIONS

##### Special design options:

- Single lengths up to 200 m
- Color according to customer specification
- PROGRESS POLAR flexible version down to temperatures of -30°C
- Other inner diameters

BORE SIZE IN INCH	WEIGHT IN G/M	WALL THICKNESS IN MM	WORKING PRESSURE IN BAR / PSI	WORKING PRESSURE MAX. IN BAR / PSI	BURSTING PRESSURE IN BAR / PSI	BREAKING STRENGTH IN KG
<b>Progress</b>						
1	210	2,3	25 / 365	30 / 435	75 / 1090	
1 1/2	300	2,3	16 / 230	20 / 290	50 / 725	DIN 14811, BS 6391, Lloyds Register
1 4/7	310	2,3	16 / 230	20 / 290	50 / 725	
1 2/3	320	2,3	16 / 230	20 / 290	50 / 725	
1 3/4	340	2,3	16 / 230	20 / 290	50 / 725	DIN 14811, BS 6391, Lloyds Register
2	400	2,5	16 / 230	20 / 290	50 / 725	DIN 14811, Lloyds Register
2 1/6	420	2,5	16 / 230	20 / 290	50 / 725	
2 1/2	540	2,6	16 / 230	20 / 290	50 / 725	DIN 14811, BS 6391, Lloyds Register
2 3/4	600	2,8	16 / 230	20 / 290	50 / 725	DIN 14811, BS 6391, Lloyds Register
3	650	2,9	16 / 230	20 / 290	50 / 725	DIN 14811, Lloyds Register
89	850	3	16 / 230	20 / 290	50 / 725	
<b>Progress 60</b>						
1 1/2	330	2,5	20 / 290	25 / 365	60 / 870	
2	430	2,7	20 / 290	25 / 365	60 / 870	
2 1/2	560	2,8	20 / 290	25 / 365	60 / 870	
3	680	3,1	20 / 290	25 / 365	60 / 870	