



# FLEXIBLE BEND 30cm

(ABS030 - 25mm)

Soft PVC hose with embedded steel wire reinforcement.  
Very flexible, strong, abrasion resistant, smooth inside and outside.

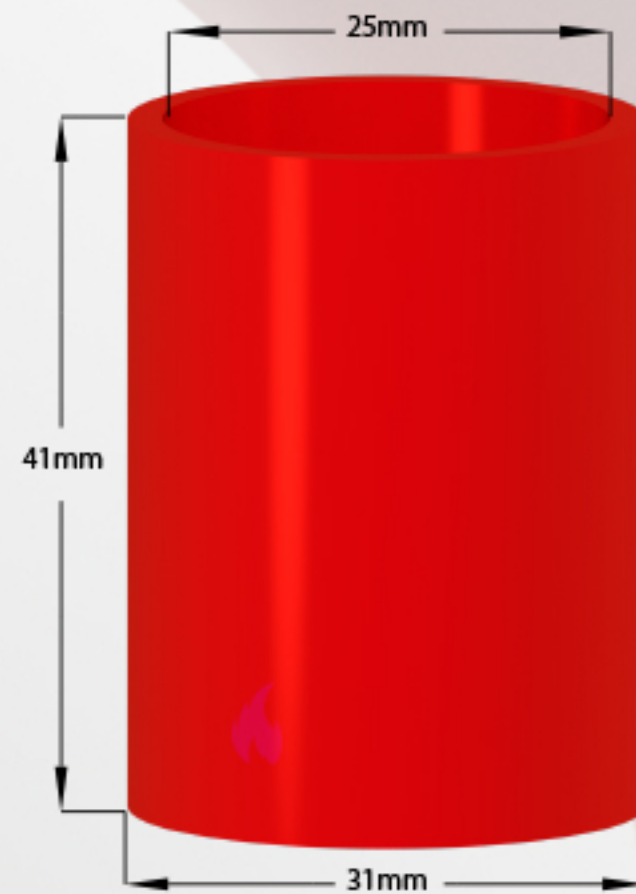
## Installation Instructions:

- Do not paint.
- Keep pipe clean and free from dust.
- Do not install in direct sunlight.
- Only install with approved pipe.
- Do not use solvents to clean, only soapy water.

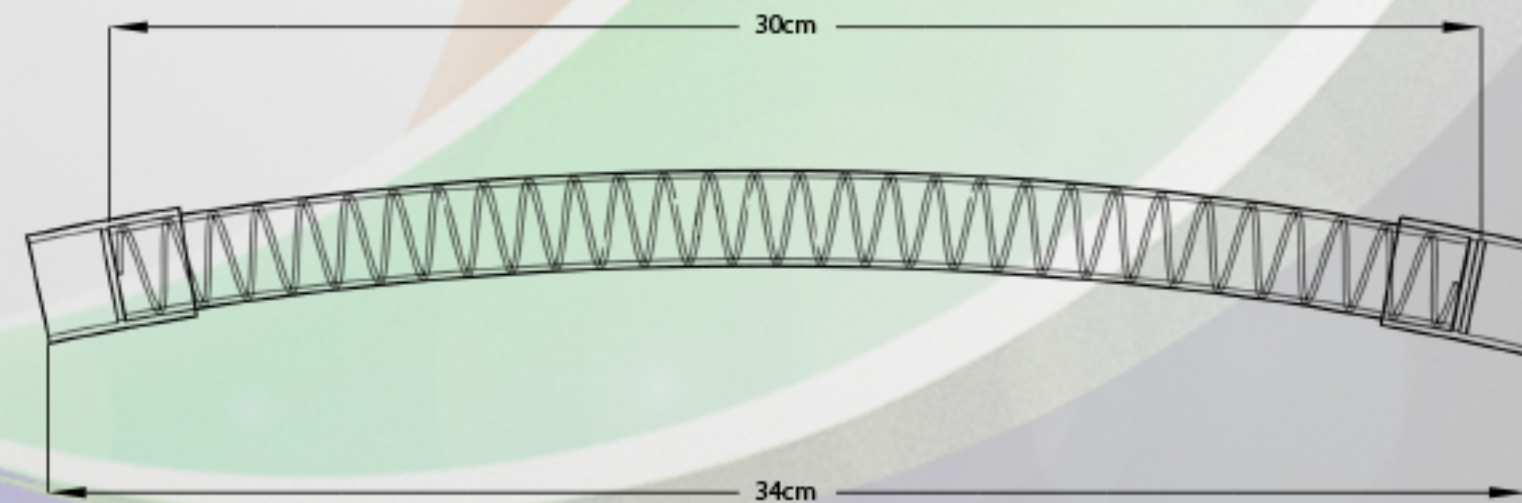
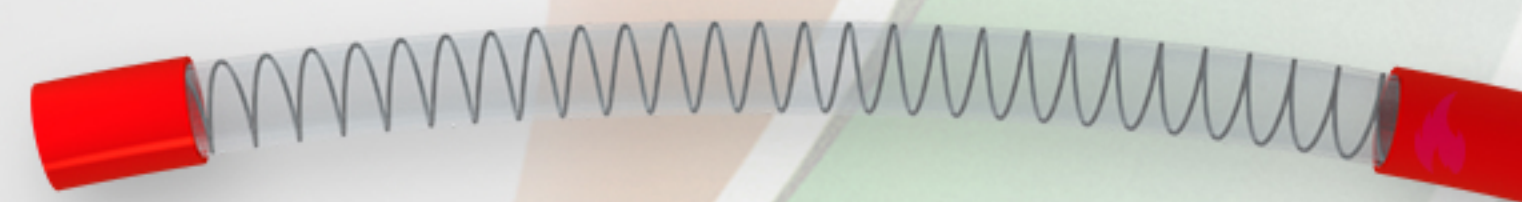
<b>Part No.</b>	<b>ABS030-25</b>
<b>Fittings colour</b>	<b>RED</b>
<b>Pipe Color</b>	<b>Transparent</b>
<b>Diameter Tolerance</b>	<b>+/- 0.15mm</b>



Jointing Socket Side Elevation



Jointing Socket Front Elevation



### RAW MATERIAL DATA

#### Soft PVC

Temperature range: -5°C to 65°C  
Wall Thickness: 3.5mm  
Weight: 360 gr./mtr.  
Bending Radius: 55mm  
Working pressure: 5 bar at 23°C  
Vacuum: 8.5 m. H<sub>2</sub>O  
Steel coil length: 60 mtr.

All technical specifications apply to a temperature of 23°C ±2°C (ISO 291) - Tolerance on all specifications ±5%

#### 3M Scotch-Weld DP-8005 cement

Able to withstand:  
4 months at 70°F (21°C) (Control)  
4 months in water at 140°F (60°C)  
4 months dry at 120°F (49°C)

Each of the tested bonds showed little or no degradation from extended aging.

In general, the bonds showed excellent resistance to most environments except toluene and gasoline.

#### Notes for use:

The product can be used under the following conditions:

Temperature Range -5°C to 60°C  
Shear Force up to 930 PSI  
Humidity up to 95%  
Working pressure up to 5 bar at 23°C

Can be immersed in water for up to 4 months at 60°C

Can not be used if the product will be contaminated with gasoline or toluene

Cement used to glue the tube to the end pieces show no significant degradation from ageing

### RAW MATERIAL DATA

#### Kumho ABS 750 Acrylonitrile Butadiene Styrene

**Physical:**  
Specific Gravity 1.04  
Test Method ASTM D792

Melt Mass - Flow Rate (MFR)  
200°C/21.6 kg 47 g/10 min  
200°C/5.0 kg 4.1 g/10 min  
220°C/10.0 kg 34 g/10 min  
Test Method ASTM D1238

Molding Shrinkage -  
Flow 0.0040 to 0.0070 in/in  
Test Method ASTM D955

**Mechanical:**  
Tensile Strength  
Yield, 73°F (23°C)  
1.97 in (50.0mm)  
6670 psi  
Test Method ASTM D638

**Tensile Elongation**  
Yield, 73°F (23°C)  
1.97 in (50.0 mm), 15%  
Test Method ASTM D638

**Flexural Modulus**  
Yield, 73°F (23°C)  
0.118 in (3.00 mm)  
312000 psi  
Test Method ASTM D638

**Flexural Strength**  
Yield, 73°F (23°C)  
0.118 in (3.00 mm)  
9230 psi  
Test Method ASTM D790

**Impact**  
Notched Izod Impact  
73°F(23°C), 0.126 in (3.20 mm), 5.5 ft-lb/in  
73°F(23°C), 0.252 in (6.40 mm), 4.8 ft-lb/in  
Test Method ASTM D256

**Hardness**  
Rockwell Hardness (R-Scale) 108  
Test Method ASTM D785

**Thermal**  
Deflection Temperature Under Load  
264 psi (1.8 MPa), Unanneald 185°F/85°C  
Test Method ASTM D648

Vicat Softening Temperature 203°F/95°C  
Test Method ASTM D1525

**Flamibility**  
Flame Rating  
0.0630 in (1.60 mm) HB  
0.0866 in (2.20 mm) HB  
0.126 in (3.20 mm) HB  
Test Method UL 94

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