



# 90° SWEEPING BEND

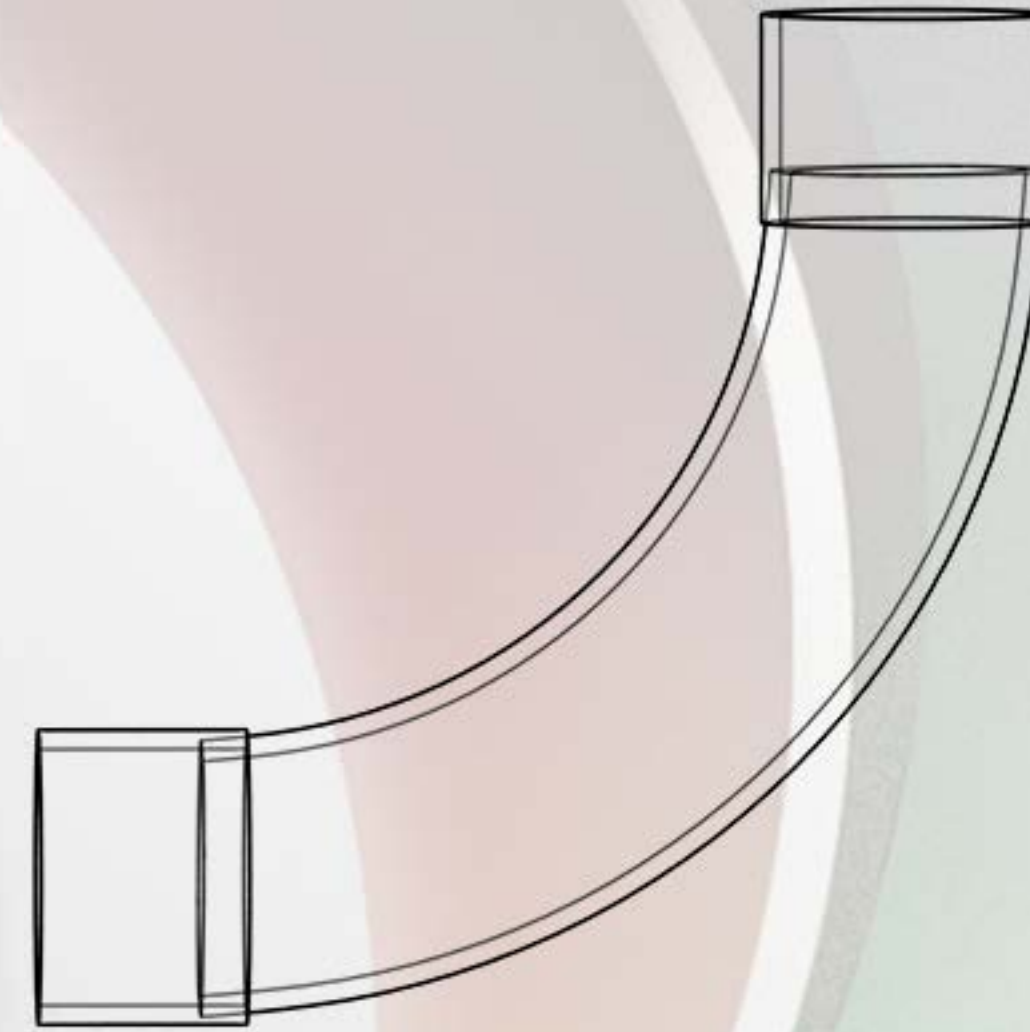
(ABS001 - 25mm)

Designed for changing the direction of a pipe run through 90 degree's on an aspirating smoke detection pipe network.  
Pipe is designed for aspirating fire detection only.

### Installation Instructions:

Use the correct solvent Plusbond 3019. 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.

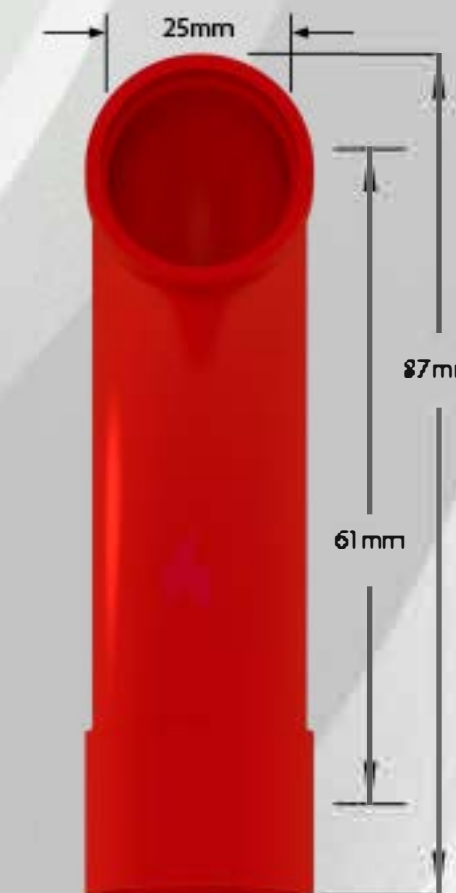
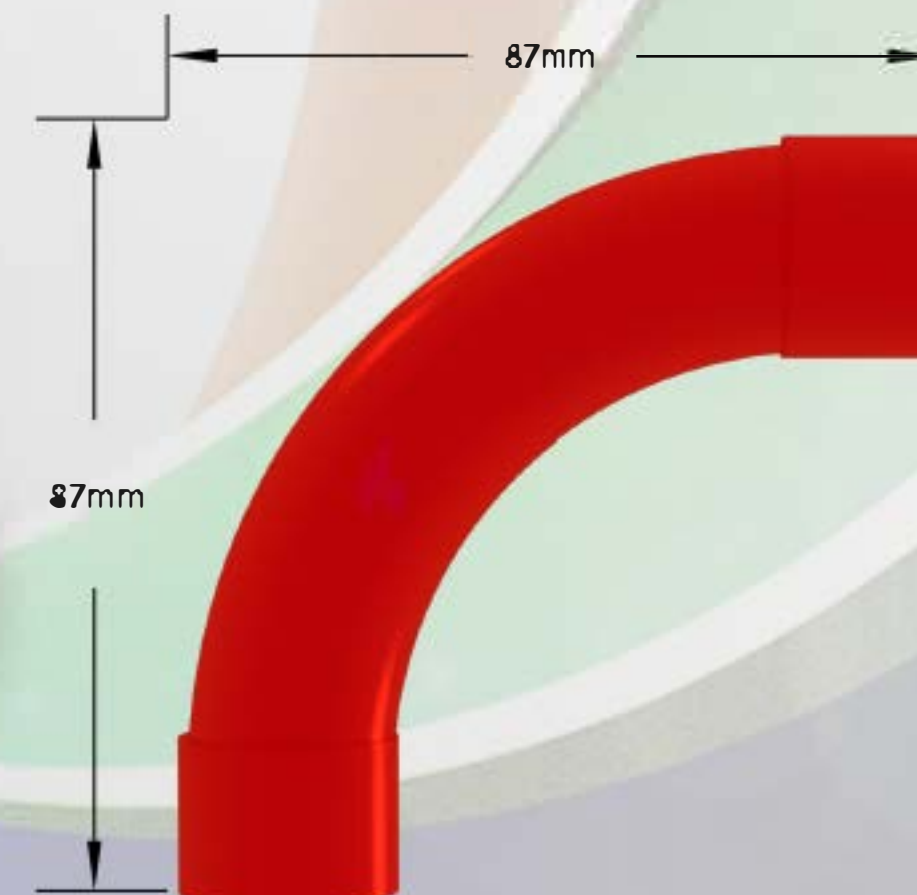
**Operating Temperature:** -40°C to 70°C  
**Pipe colour:** RED  
**Diameter Tolerance:** +/- 0.15mm  
**Wall Thickness:** 4.4mm  
**Outside Diameter:** 32.1mm  
**Inside Diameter:** 25mm  
**Weight:** 32 Grams



Side Elevation



Front Elevation



### RAW MATERIAL DATA

**Number:** ABS 792  
**Acrylonitrile Butadiene Styrene**

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

**Melt Mass - Flow Rate (MFR):**  
 230°C/21.0 kg 47 g/10 min  
 230°C/3.0 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)  
 1.57 in (39.9mm)  
 6670 psi  
 Test Method ASTM D638

**Tensile Elongation:**  
 Yield, 73°F (23°C)  
 1.57 in (39.9mm) 15%

**Char. Modulus:**  
 Yield, 73°F (23°C)  
 0.118 in (3.00 mm)  
 31200 psi  
 Test Method ASTM D638

**Char. Modulus:**  
 Yield, 73°F (23°C)  
 0.118 in (3.00 mm)  
 9230 psi  
 Test Method ASTM D739

**Impact:**  
 Notched Izod Impact  
 73°F (23°C) 0.128 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 D739

**Hardness:**  
 Rockwell Hardness (R-Scale) 100  
 Test Method ASTM D785

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

**Heat Softening Temperature:** 235°F/95°C  
 Test Method ASTM D1525

**Flammability:**  
 Flame Rating  
 0.0896 in (2.26 mm) HB  
 0.0896 in (2.26 mm) HB  
 0.128 in (3.20 mm) HB  
 Test Method UL 94

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