



# 45° DEGREE BEND

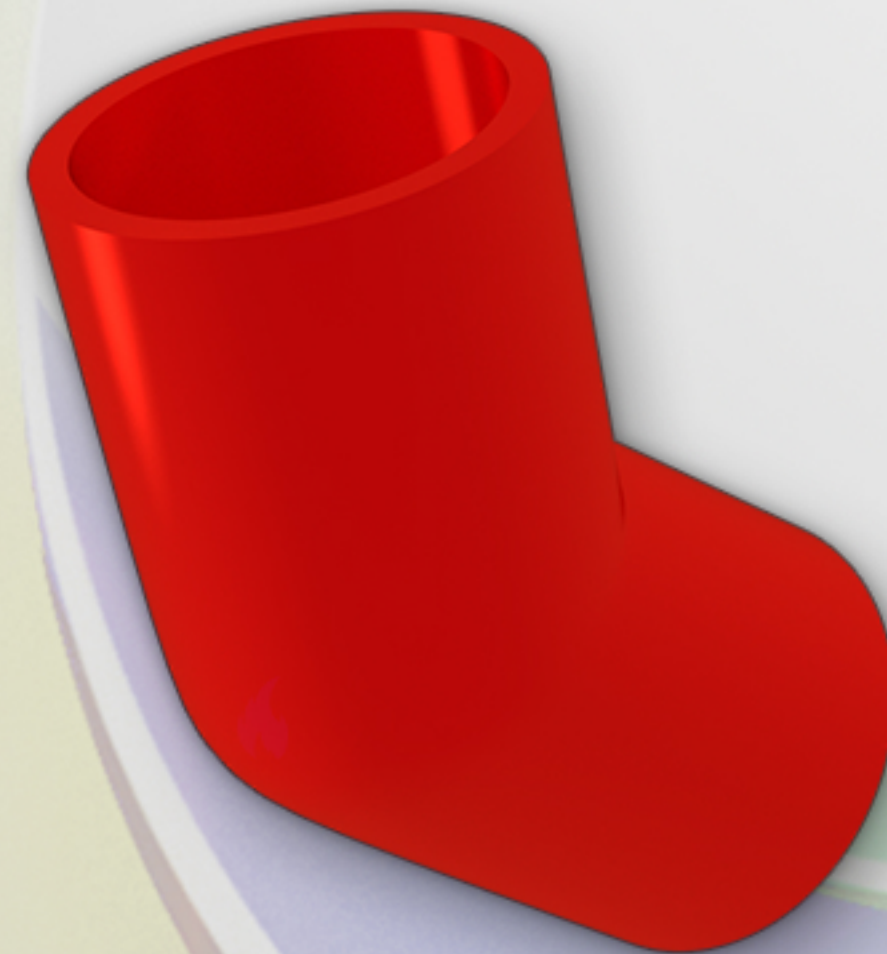
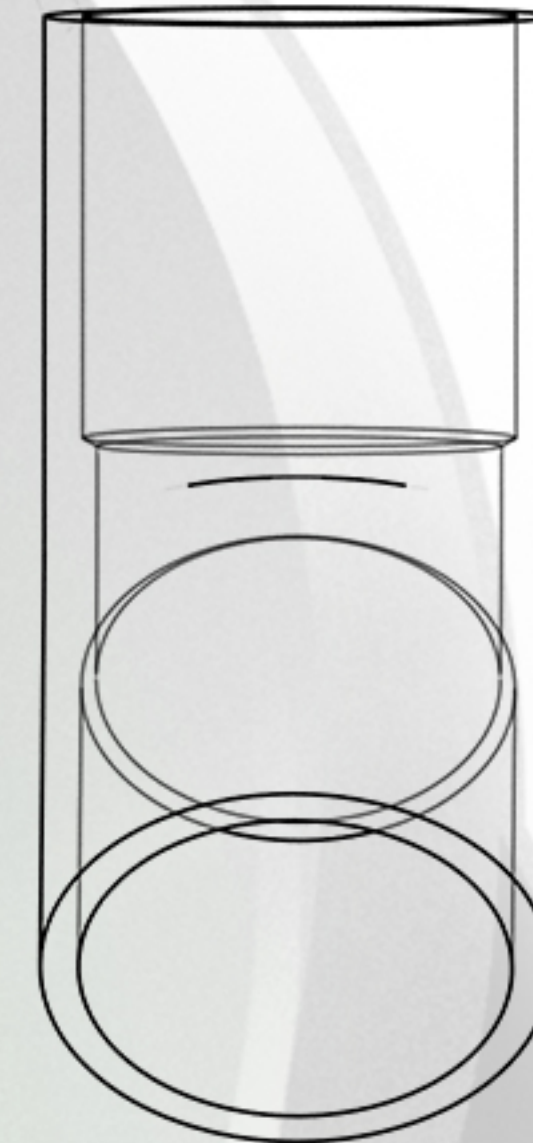
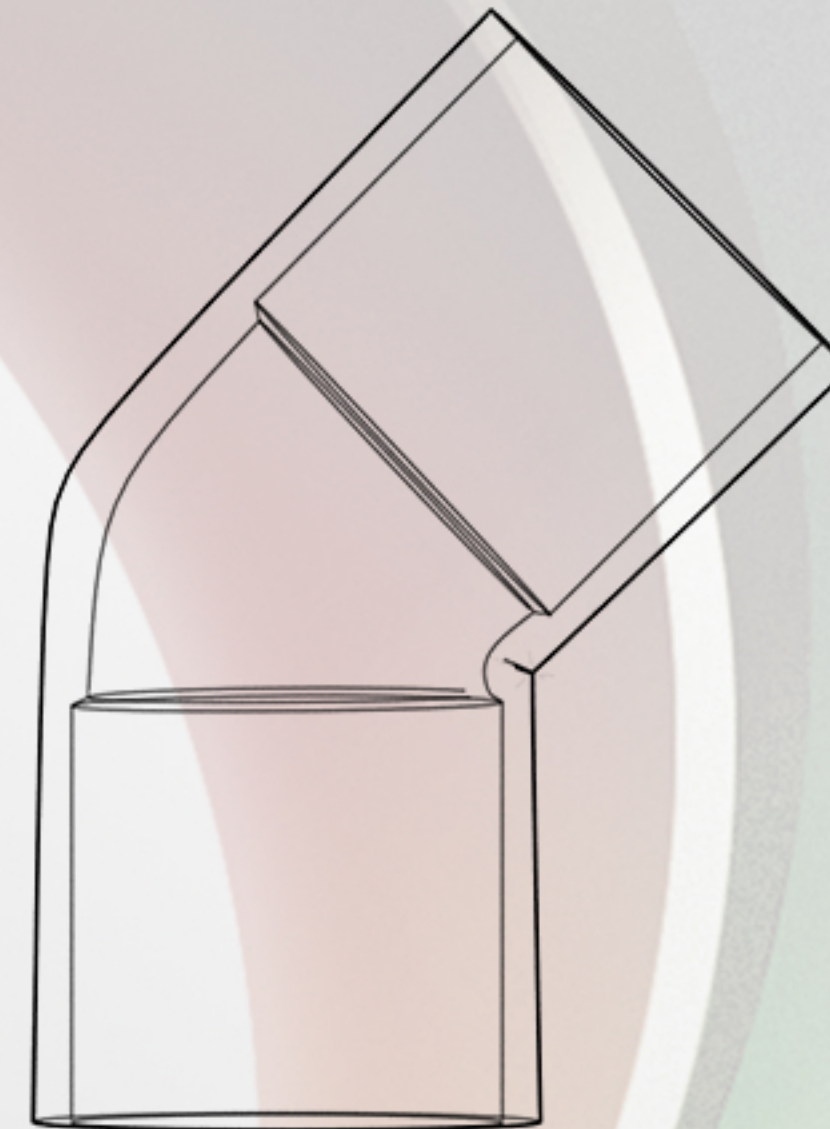
(ABS002 - 25mm)

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

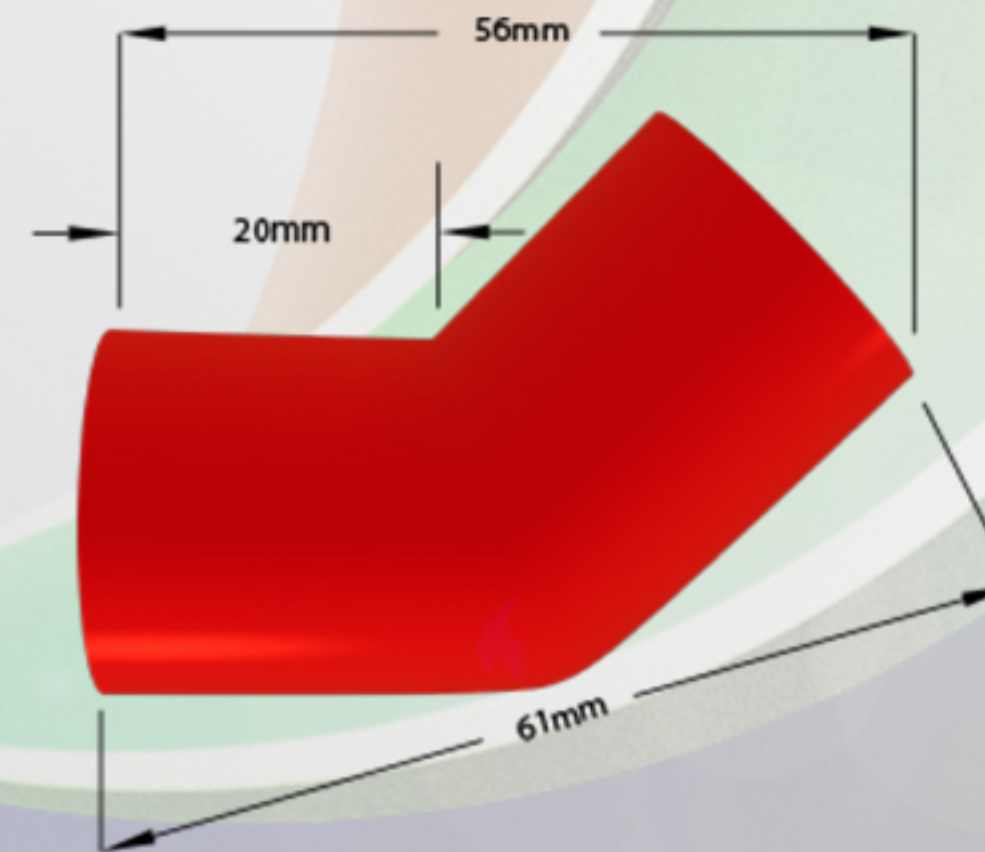
## Installation Instructions:

- 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.

<b>Part No.</b>	<b>ABS002</b>
<b>Pipe colour</b>	<b>RED</b>
<b>Diameter Tolerance</b>	<b>+/- 0.15mm</b>



Side Elevation



Front Elevation



### 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

**Flamability**  
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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