



# 45° DEGREE BEND

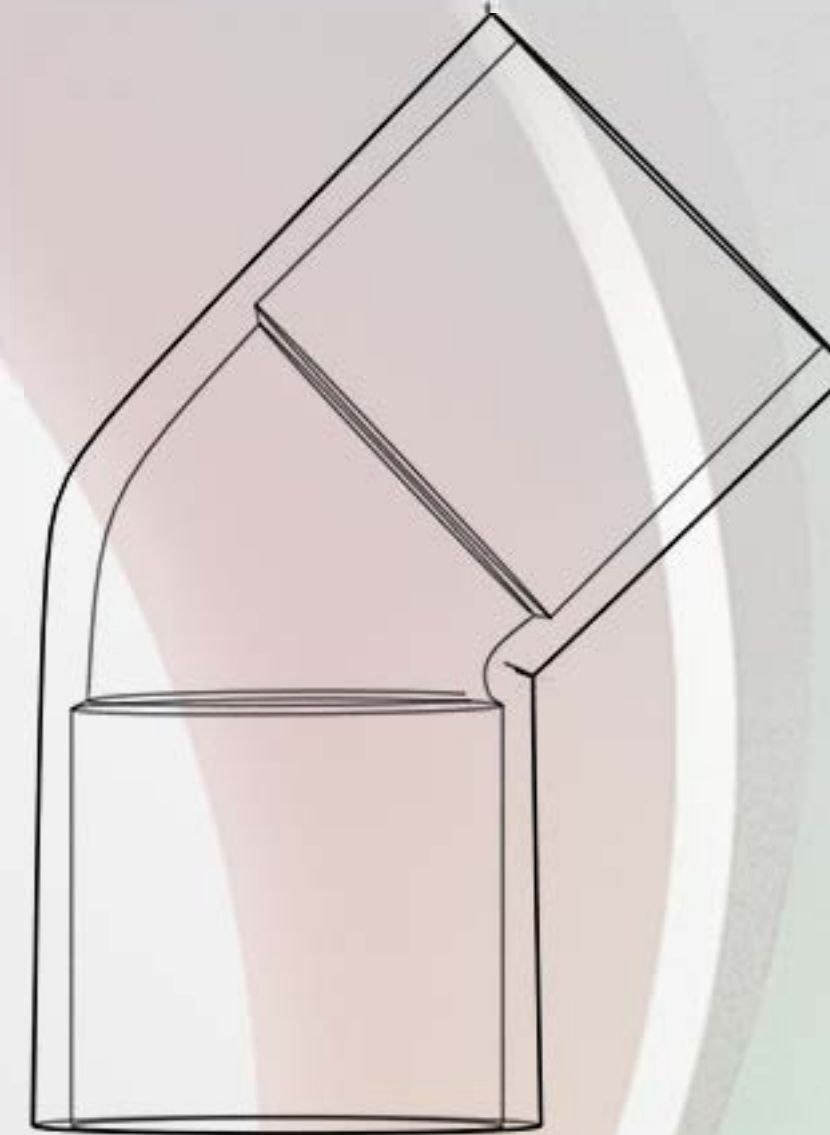
(ABS002 - 25mm)

Designed for changing the direction of a pipe run through 45 degree's on an aspirating smoke detection pipe network.  
Pipe is designed for aspirating fire detection only.

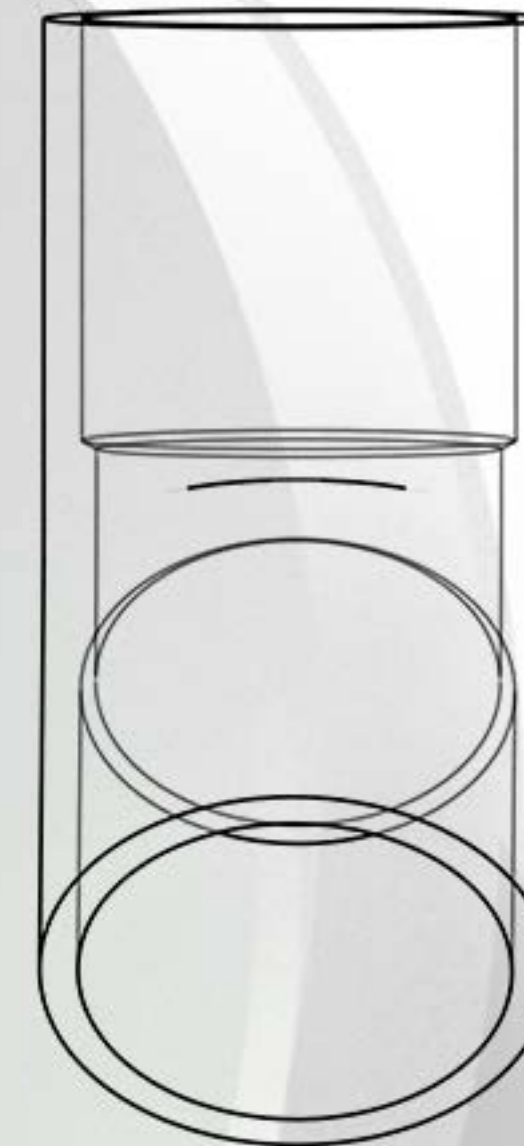
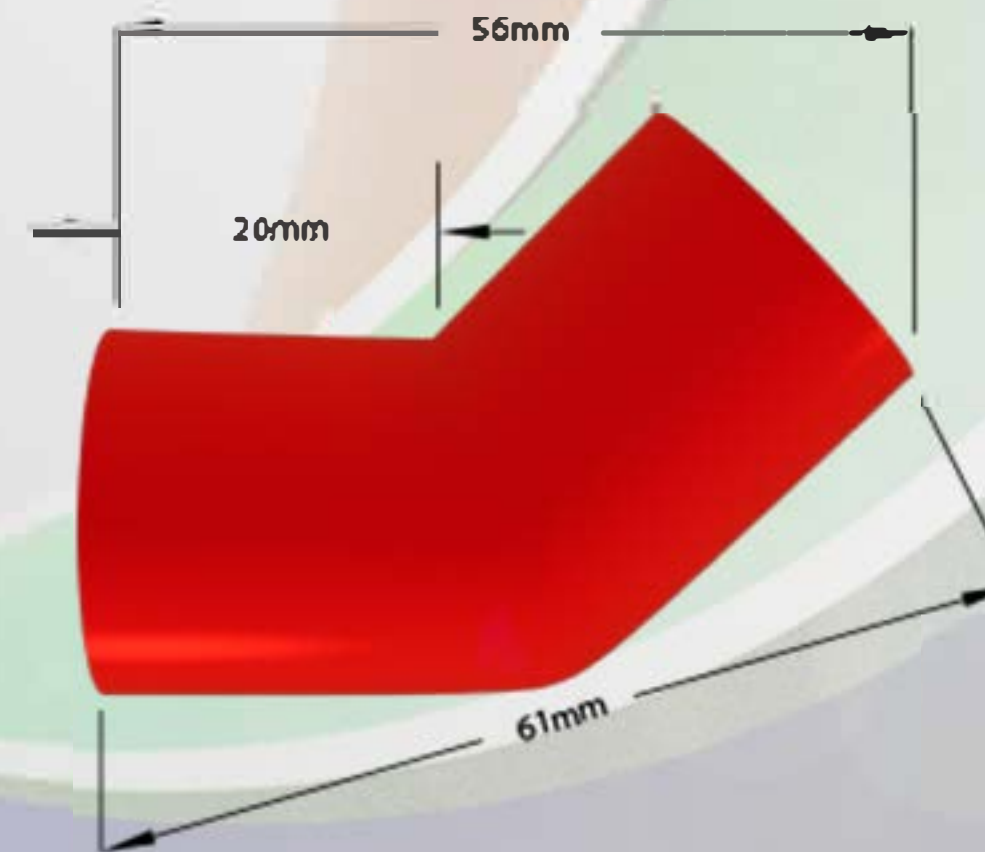
### Installation Instructions:

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.

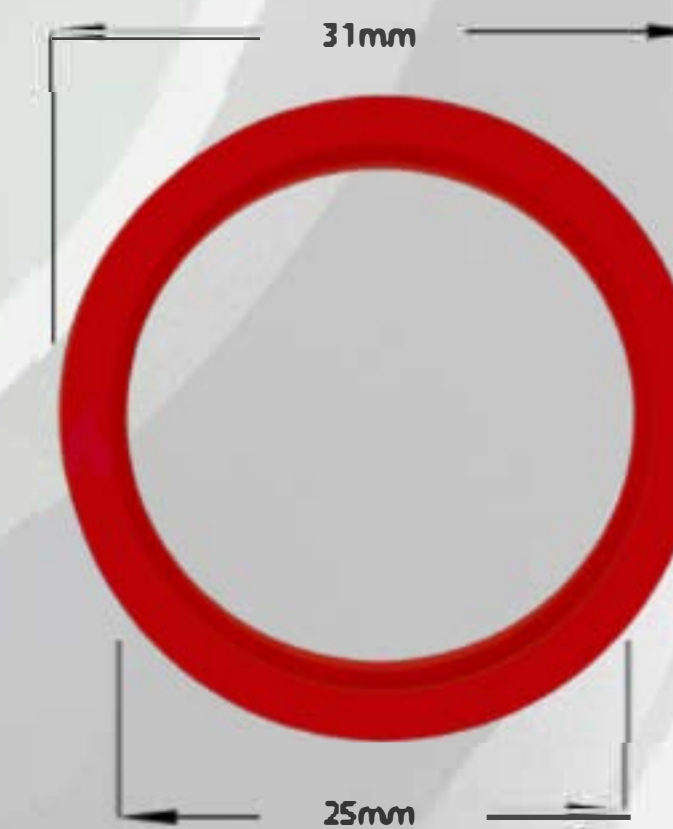
Operating Temperature: -40°C to 70°C  
Pipe Colour: RED  
Diameter Tolerance: +/- 0.15mm  
Wall Thickness: 2.94mm  
Outside Diameter: 30.5mm  
Inside Diameter: 25mm  
Weight: 13.85 Grams



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 4.2 g/10 min  
230°C/10.0 kg 4.1 g/10 min  
220°C/10.0 kg 3.4 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 (30.0mm)  
6070 psi  
Test Method ASTM D638

Tensile Elongation  
Yield, 73°F (23°C)  
1.97 in (30.0 mm) 15%  
Test Method ASTM D638

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

Flexural Strength  
Yield, 73°F (23°C)  
0.118 in (3.00 mm)  
9230 psi  
Test Method ASTM D730

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) 4.0 ft-lb/in  
Test Method ASTM D730

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

Thermal  
Deflection Temperature Under Load  
264 psi (1.8 MPa) Unnotched 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 (2.20 mm) HB  
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0.128 in (3.20 mm) HB  
Test Method UL 94

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