



SOCKET UNION

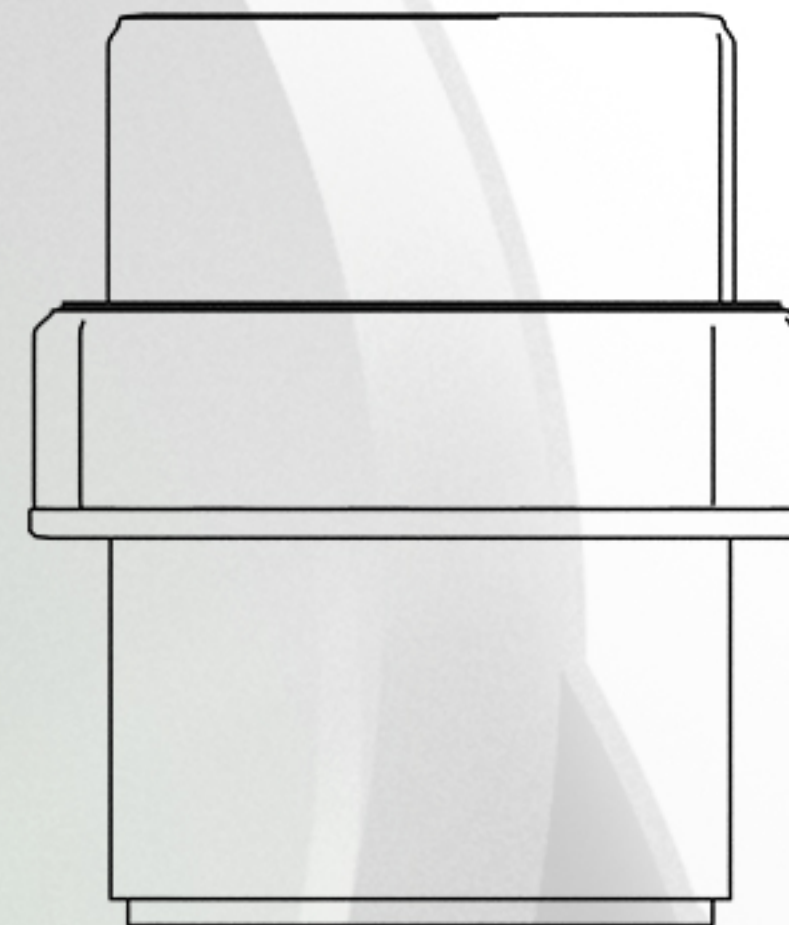
(ABS003 - 25mm)

Used for breaking a section of aspirating smoke detection pipe network for maintenance purposes. This device is designed for aspirating fire detection only.

Installation Instructions:

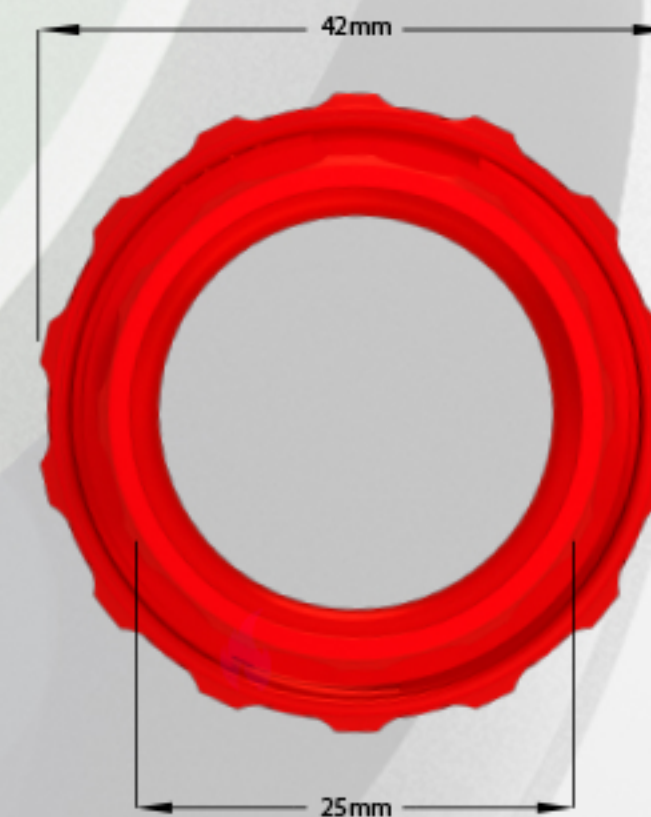
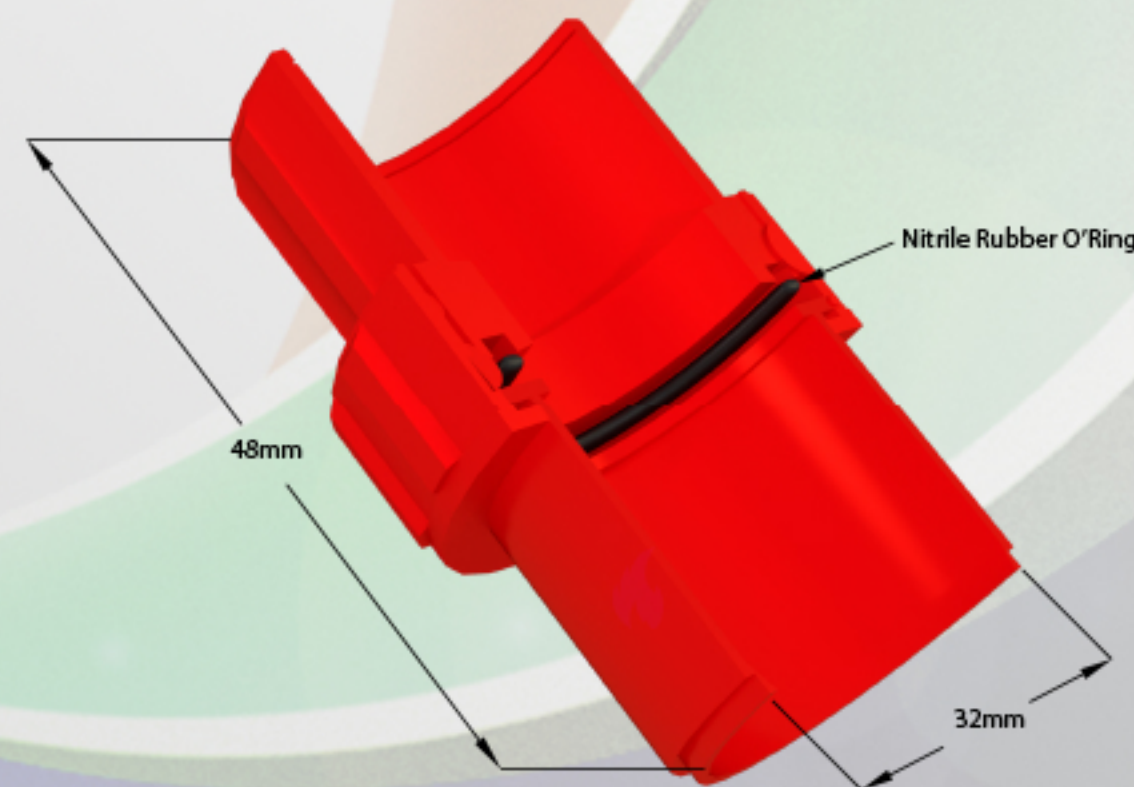
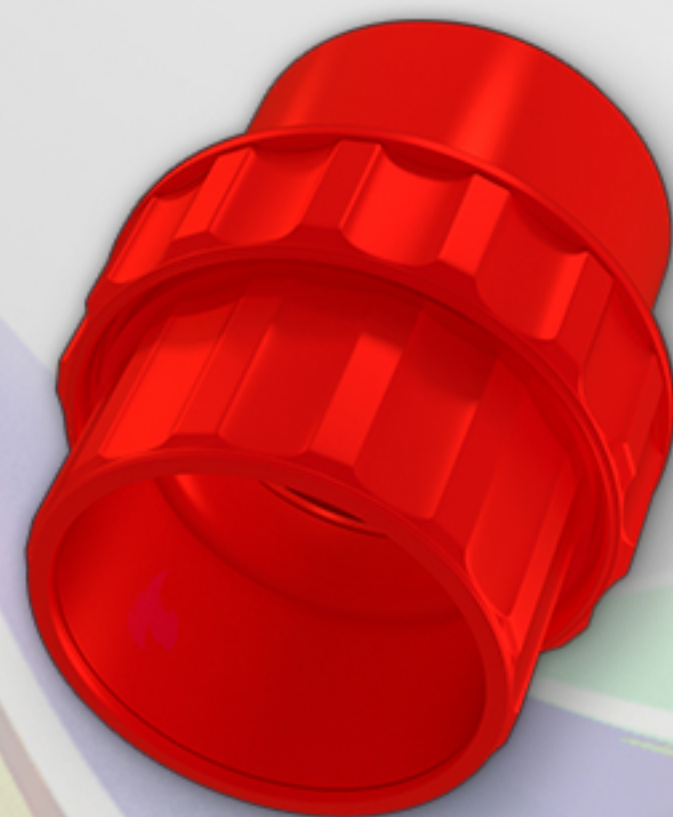
- Use the correct solvent Plusbond 3019.
- Do not paint.
- Keep pipe clean and free from dust.
- Do not install in direct sunlight.
- Only install with approved pipe.
- Do not use solvents to clean, only soapy water.
- Do not over tighten.
- Keep O'Ring in place.
- Ensure that the socket union locks into position when tightening.

Part No. ABS003
Pipe colour RED
Diameter Tolerance +/- 0.15mm



Side Elevation Dissection

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

Noched 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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