

# QMR

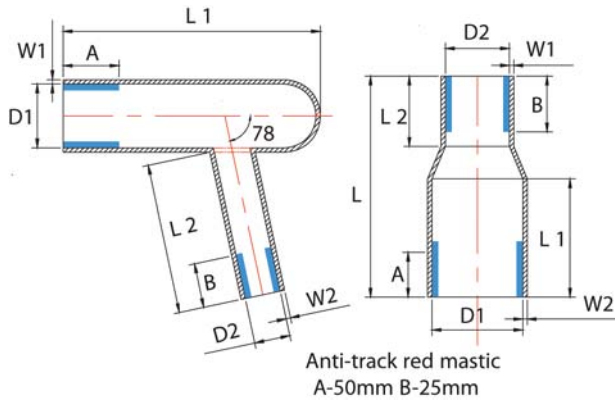
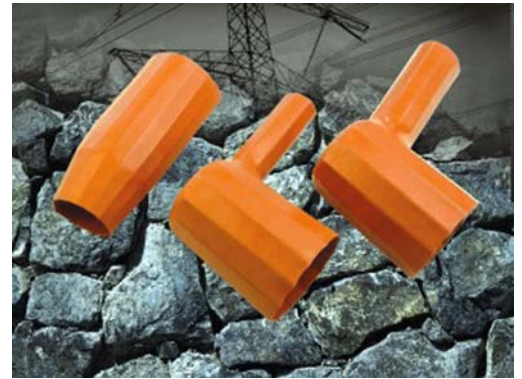


## MEDIUM VOLTAGE RIGHT ANGLE / STRAIGHT BOOT UP TO 36kV

### Features/Applications

The medium voltage right angle boots and straight boots are made from radiation cross-linked polyolefin. With the specially designed formulation, the boots are excellent electrical insulators and have great anti-tracking, UV resistant, weather proof and flame retardant properties. It can be safely used in protecting cable ends up to 36kV against flashover or surges induced while working in switchgear and transformer boxes.

- Operating temperature: -55°C to +100°C
- Minimum shrink temperature: 110°C
- Minimum full recovery temperature: 130°C
- RoHS Compliant



Technical Data		
Property	Test Method	Typical Data
Tensile Strength	ASTM D 2671	≥12 MPa min.
Elongation at Break	ASTM D 2671	≥300% min.
Tensile Strength After Thermal Aging (120°C, 168 hrs.)	ASTM D 2671	≥8.5 mPA
Elongation at Break After Thermal Aging (120°C, 168 hrs.)	ASTM D 2671	≥200%
Dielectric Strength	IEC 243	≥15kV/mm
Tracking Resistance (3.75KV, 1hr.)	ASTM D 2303	Pass
Water Absorption	ISO 62	1% max.
Volume Resistance	IEC 93	10 <sup>13</sup> Ω.cm
Flammability (Oxygen Index)	IEC 93	≥25
Copper Corrosion (120°C, 168 hrs.)	ASTM D 2671	No corrosion
Cold Bend (-40°C, 4 hrs.)	ASTM D 2671	No cracking

Product Dimensions										
Part Number	Type	As Supplied (mm)		After Recovered (mm)						
		D1 (Min.)	D2 (Min.)	D1 (Max.)	D2 (Max.)	L1 (± 10%)	L2 (± 10%)	L (± 10%)	W1 (± 10%)	W2 (± 10%)
QMR110 (80/36-35/18)	Right Angle	80	35	36	18	170	125	-	4.2	3.5
QMR120 (80/36-50/18)	Right Angle	80	50	36	18	170	125	-	3.8	3.5
QMR130 (80/36-50/27)	Right Angle	80	50	36	27	160	140	-	3.8	3.5
QMR140 (95/38-70/28)	Right Angle	95	70	38	28	160	140	-	4.2	4.8
QMR150 (145/72-68/34)	Right Angle	145	68	72	34	215	140	-	4.0	4.0
QMR160 (80/35-34/20)	Straight	80	34	35	20	145	30	220	3.2	3.2
QMR170 (80/35-58/20)	Straight	80	58	35	20	145	30	220	3.2	3.2
QMR180 (140/65-90/33)	Straight	140	90	65	33	155	40	320	4.0	4.0