

## HEAT SHRINK RIGHT ANGLE / STRAIGHT BOOT



Angleboots are Heat Shrink Right Angle / Straight Boots, which provides insulation to the bushings in the cable termination box, where the clearance between phase to phase and phase to earth is less than the normal air clearance. These boots provide protection against flash-over in the event of high humidity, rodent menace and surge impulse.

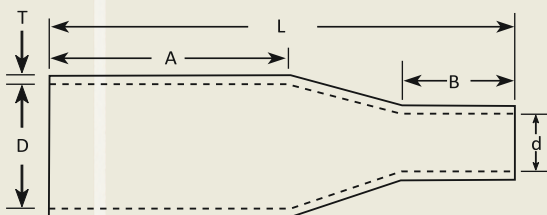
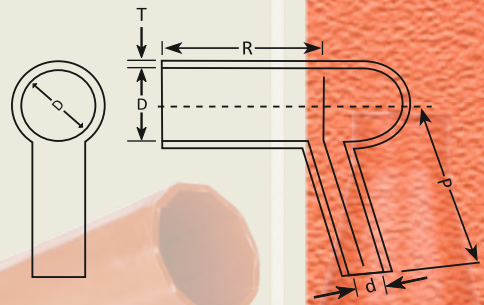
The boots are made from high quality cross linked non tracking polyolefin material. They are internally coated with water resistant red mastic.

### Technical Specification

PROPERTIES	VALUE	STANDARD
<b>Physical</b>		
Tensile Strength	12 N/mm <sup>2</sup> (Mpa) (min.)	ASTM D638
Ultimate Elongation	350 % (min)	ASTM D638
Density	1.15± 0.2 gm/cm <sup>3</sup>	ASTM D792
Hardness	45 ±10 Shore D	ASTM D2240
Water absorption	0.5 % (max.)	ASTM D570
<b>Thermal</b>		
Accelerated ageing	(120°C for 500 hrs)	ASTM D2671
Tensile Strength	11 N/mm <sup>2</sup> (Mpa) (min.)	ASTM D638
Ultimate Elongation	300 % (min.)	ASTM D638
Low Temperature Flexibility (-40°C for 4 hrs.)	No Cracking	ASTM D2671
Heat Shock (250°C for 30 min.)	No cracking or flowing	ESI 09-11
Shrink Temperature	125°C	IEC 216
Continuous Temperature Limit	-40 to +100°C	IEC 216
<b>Electrical</b>		
Dielectric Strength	15 KV/mm.(min)	ASTM D149
Volume Resistivity	1 x 10 <sup>14</sup> Ohm.cm (min)	ASTM D257
Dielectric constant	5 (max.)	ASTM D150
Resistant to track & erosion	No Tracking, erosion or flame failure upto 3.25 KV for 20 min.	ASTM D2303

### Selection Chart (Part - I) All dimensions are in mm

Code	D		d		P	R	T
	s	f	s	f	s	f	f
	min	max	min	max	min	min	±10%
GRB-1	78	35	34	16	160	130	4.0
GRB-2	78	37	52	27	170	140	4.5
GRB-2A	90	37	67	27	170	140	4.5
GRB-3	145	72	67	34	170	150	4.5



### Technical Qualification Report : QR 1035

#### Selection Chart (Part - II) All dimensions are in mm

Code	D		d		A	L	B	T
	s	f	s	f	f	f	f	f
	min	max	min	max	min	min	min	±10%
GSB-1	80	34	34	21	140	225	30	3.6
GSB-2	80	35	57	22	140	225	30	3.6
GSB-2A	100	36	57	22	140	225	30	3.6
GSB-3	140	65	90	33	155	250	40	4.0

D.d : Internal Diameter : s : as supplied : f : after free recovery.