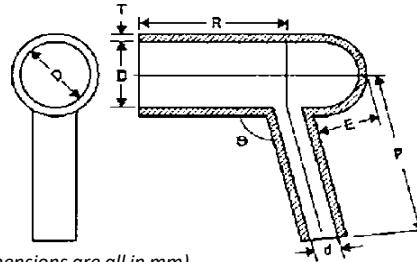
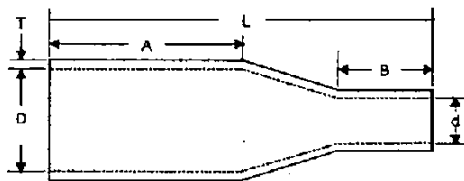


# RHSB & RHRB

Heat Shrink Insulating Boots can be used to insulate bushings in medium voltage cable boxes up to 36kV, particularly where the normal clearance between phase to phase and phase to earth is less than the required value.

These boots provide protection against flashover in the event of any surge impulse, high humidity or rodent menace contact. The boots are made from thermally stabilized cross linked material for excellent insulation and weather resistant properties.

The boots are internally coated with a hot melt adhesive.



\*Drawing depicts typical dimensions (Dimensions are all in mm)

D,d – Internal Diameter without Adhesive Coating | E – As Supplied | S – After Free Recovery

STRAIGHT INSULATING BOOT DIMENSIONS – RHSB Series										
Code	Voltage	Cable Size Range	D		d		A	L	B	T
			E	S	E	S	S	S	S	S
			Min	Max	Min	Max	Min	Min	Min	±20%
RHSB-1-17	To 17.5kV	35-95mm <sup>2</sup>	80	33	34	20	140	225	40	3.6
RHSB-2-17	To 17.5kV	90-400mm <sup>2</sup>	80	33	58	20	140	225	40	3.6
RHSB-3-17	To 17.5kV	400-630mm <sup>2</sup>	95	39	67	39	140	225	40	3.6
RHSB-2-24	24kV	95-300mm <sup>2</sup>	80	33	58	20	140	225	40	3.6
RHSB-3-36	36kV	95-630mm <sup>2</sup>	140	50	90	55	155	350	40	3.6

RIGHT ANGLE INSULATING BOOT DIMENSIONS – RHRB Series											
Code	Voltage	Cable Size Range	D		d		P	R	E	O	T
			E	S	E	S	S	S	S	S	
			Min	Max	Min	Max	Min	Min	Min	Deg.	±20%
RHRB-1-17	To 17.5kV	35-95mm <sup>2</sup>	70	37	36	20	130	100	25	105	3.5
RHRB-2-17	To 17.5kV	120-300mm <sup>2</sup>	70	37	50	27	140	110	25	105	4.5
RHRB-3-17	To 17.5kV	120-630mm <sup>2</sup>	95	37	67	27	140	120	25	105	4.5
RHRB-1-24	24kV	95-300mm <sup>2</sup>	95	37	50	27	140	120	25	105	4.5
RHRB-2-24	24kV	95-500mm <sup>2</sup>	95	37	67	27	140	120	25	105	4.5
RHRB-3-36	36kV	95-630mm <sup>2</sup>	145	72	65	34	155	150	35	95	4.5

MATERIAL SPECIFICATIONS		
CHARACTERISTIC	VALUE	TEST METHOD
<b>Physical Properties</b>		
Specific Gravity	1.2 ± 0.2	ASTM D – 1505
Water Absorption	1% (max)	ASTM D – 570/ ISO 62
Tensile Strength	6 N/mm <sup>2</sup> (min)	ASTM D – 412 / ISO 37
Ultimate Elongation	200% (min)	ASTM D – 412 / ISO 37
Hardness	28 ± 3 Shore D	ASTM D – 2240
<b>Thermal Ageing Tests (120°C for 500 hours)</b>		
Ultimate Elongation	100% (min)	ASTM D – 412 / ISO 37
Tensile Strength	5.5 N/mm <sup>2</sup> (min)	ASTM D – 412 / ISO 37
<b>Electrical Properties</b>		
Volume Resistivity	1x10 <sup>12</sup> Ohm-cm (min)	ASTM D – 257 / IEC 93
Dielectric Strength	10kV/mm (min)	ASTM D – 149 / IEC 243
Dielectric Constant	5 (max)	ASTM D – 150 / IEC 250

REPL reserve the right to update the information contained in this document at any time without notice. It is the user's responsibility to ensure it is suitable for the intended application. Any implied warranty relating to fitness for a particular purpose are explicitly excluded unless agreed in writing by REPL.  
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