

## RCFB

### Flexible Insulating Bushing Boot Kit

Provides insulation enhancement for MV cable termination installed in in dry air filled cable boxes up to 24kV

The RCFB flexible insulating boot is a cold applied system to provide increased insulation for medium voltage cable terminations. They are used in switchgear and transformer cable boxes where the air clearances are not sufficient to prevent electrical flashover due to high humidity or rodents.

The boots are manufactured from a highly insulating and anti-track material with excellent weathering properties for a durable long life installation.

The boot allows for either a straight or right angled configuration and will fit over standard heat shrink or cold applied terminations.

The boots are installed easily without special tooling and can be removed for testing and then reinstalled.

- Unlimited shelf life
- Fully tested in accordance to **HD629.1-S1, IEC 60502-4**
- Kits designed to cover a wide range of cable sizes
- One size covers right angled or straight installation
- Works with standard heat shrink or cold shrink terminations



**RCFB-1 Boot Kit**



**RCFB-0**  
(Reducing Adaptor for smaller bushings 30 – 45mm diameter)

#### Kit Contents (RCFB-1 to 4):

- Set of 3 Elastomeric flexible bushing boots
- Silicone Grease
- Installation Instructions

#### Kit Contents (RCFB-0 reducing adaptor):

- Set of 3 Elastomeric bushing adaptors
- Silicone Grease
- Installation Instructions

Kit Number	Product	Colour	Maximum Voltage	Cable Range	Bushing Diameter Range
RCFB-0	Set of 3 bushing adaptors	RED	17.5kV	-	30-45mm
RCFB-1	Set of 3 boots	RED	17.5kV	35-630mm <sup>2</sup>	46-70mm
RCFB-3	Set of 3 boots	GREY	24kV	25-400mm <sup>2</sup>	46-70mm
RCFB-4	Set of 3 boots	GREY	24kV	400-630mm <sup>2</sup>	46-70mm

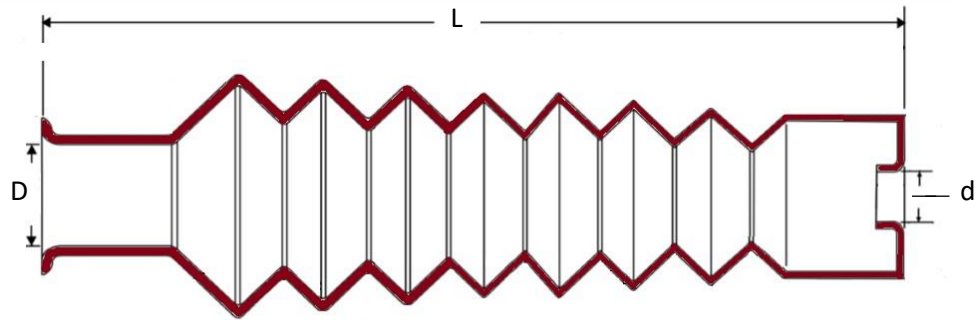
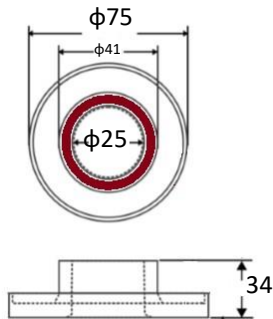
Please see overleaf for installation details

# Flexible Bushing Boots



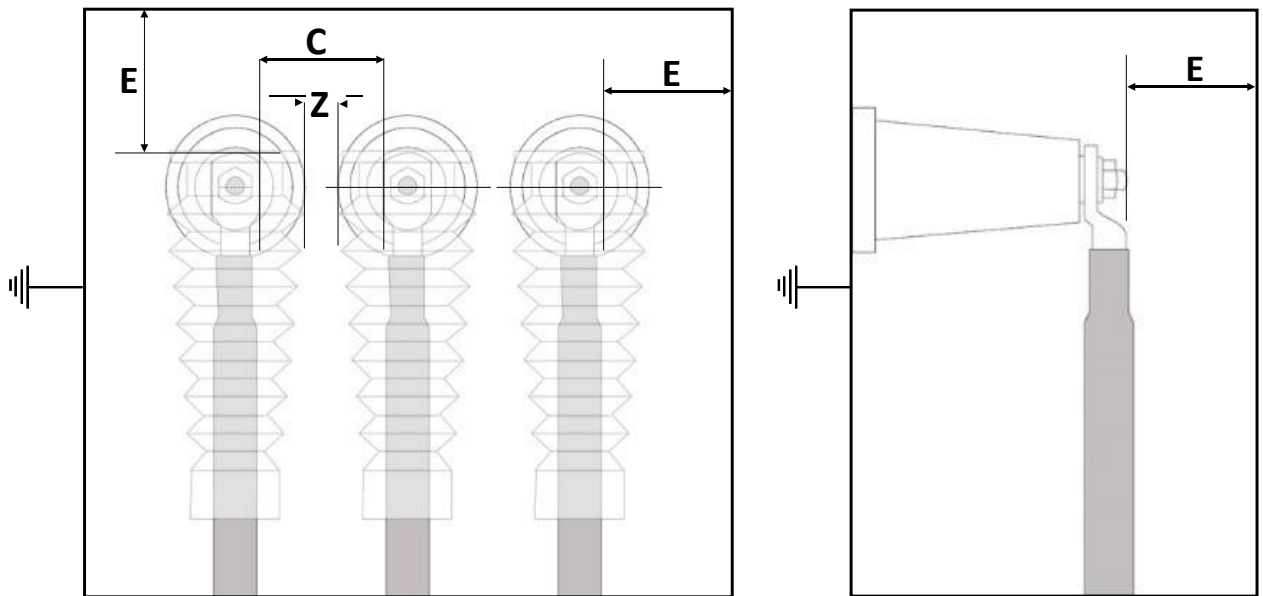
## Dimensions (mm):

### RCFB-0 (Reducing Adaptor)



Model	D	d	L
RCFB-1	46	18	275
RCFB-3	60	22	305
RCFB-4	60	29	305

## Installation Data:



Ensure that the minimum clearances are according to the table below for the required voltage level. These dimensions are in accordance with IEC 60071-1 to 71-3

Voltage level $U_0/U$ ( $U_{max}$ ) kV	3.8/6.6 (7.2) kV	6.35/11 (12) kV	8.7/15 (17.5)kV	12/20 (24)kV
Impulse Level (BIL) kV, peak	60kV	95kV	95kV	125kV
Minimum clearance phase to phase (C)	45mm	75mm	85mm	100mm
Minimum clearance phase to earth (E)	35mm	60mm	75mm	75mm
Minimum clearance between insulating boots (Z)	12mm	12mm	12mm	15mm



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