

TECHNICAL SPECIFICATION and GUARANTEED TECHNICAL PARTICULARS

of LV Porcelain Bushing

Supply of LV Porcelain Bushing 1.1 KV suitable for 11/0.4 KV Transformers as per IS IS:3347 (Part-I,Sec-I)-1979&IS: 7421-1988 and with latest amendment, if any

1. 1.1 KV 1000 Amp. Suitable for 630 KVA Transformer
2. 1.1 KV 2000 Amp. Suitable for 1000 KVA Transformer

LT Porcelain Bushing

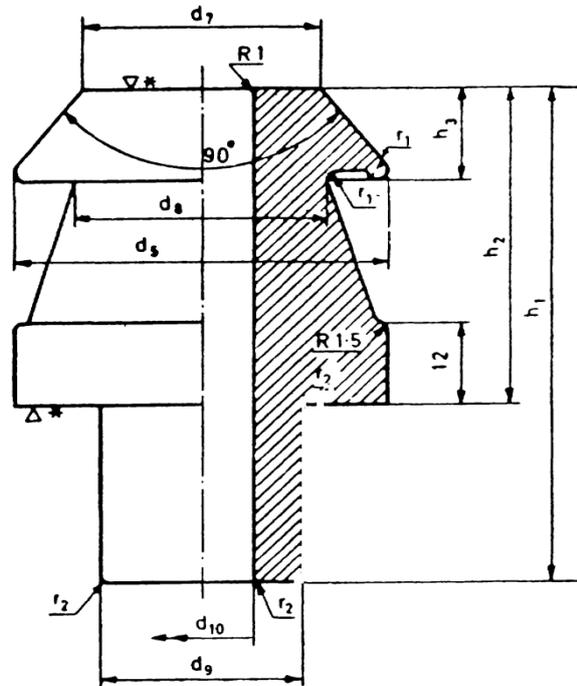
Sl. No.	PARTICULARS	Required values
1	Standards	IS 3347/7421 (Part-I, Sec-I 1979) with latest amendment, if any.
2	Electrical Characteristics of Insulators	
(a)	Nominal system voltage	1.1 KV
(b)	Highest system voltage	1.1 KV
(c)	Visible discharge voltage	As per IS
(d)	Dry one minute power frequency withstand voltage	As per IS
(e)	Wet one minute power frequency withstand voltage	As per IS
3	Colour of Glaze	Brown/Dark Brown
4	Dimensions	As per IS
5	Creepage distance (min)	As per IS
6	Tolerance in dimension, if any	As per relevant IS

Note:-

1. All specification and Testing should be as per relevant IS with latest amendment.
2. If facility of any acceptance test of above material is not available at firm's premises, then inspecting authority will send a sealed sample of the above material to NABL lab for such test and mentioned lot will be accepted only when it successfully pass in acceptance test. The cost of such test (s) shall be borne by the supplier firm.

Drawing & Dimensions of LV Porcelain Bushing

IS : 3347 (Part I/Sec 1) - 1979



Rating, kV/A	d_6	d_7	d_8	d_5	d_{10}	h_1	h_2	h_3	r_1	r_2
Up to and including 1/250	50	32	34	27^{+0}_{-2}	14^{+1}_{-0}	70^{+0}_{-5}	45^{+3}_{-0}	13	2.5	1
„ „ „ 1/630	70	47	49	43^{+0}_{-3}	22^{+2}_{-0}	80^{+0}_{-5}	55^{+4}_{-0}	16	3	1
„ „ „ 1/1 000	90	65	67	53^{+0}_{-4}	32^{+3}_{-0}	85^{+0}_{-6}	55^{+4}_{-0}	16	3	1.5
„ „ „ 1/2 000	104	80	82	66^{+0}_{-5}	44^{+3}_{-0}	85^{+0}_{-6}	55^{+4}_{-0}	16	3	1.5
„ „ „ 1/3 150	125	100	100	86^{+0}_{-6}	50^{+4}_{-0}	85^{+0}_{-6}	55^{+4}_{-0}	16	3	1.5

*Unglazed.

Δ Surfaces ground parallel to each other and perpendicular to axis.

All dimensions in millimetres.

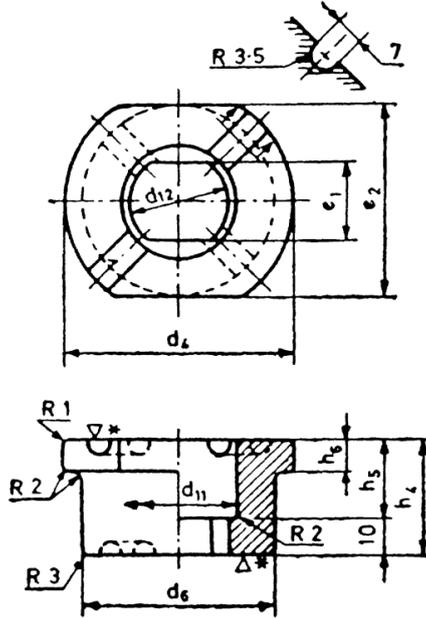
IA Upper Insulator

FIG. 1 PORCELAIN INSULATOR FOR 1/250, 630, 1 000, 2 000 AND 3 150 BUSHINGS

(Continued)

IA Upper Insulator

IS : 3347 (Part I/Sec 1) - 1979



Rating, kV/A		d_4	d_4 and e_1	d_{11}	d_{12}	e_1	h_4	h_5	h_6	r_3
Up to and including 1/250	60	50	30^{+2}_{-0}	26^{+2}_{-0}	20^{+2}_{-0}	30^{+2}_{-0}	20^{+2}_{-0}	8	2	
„ „ „ 1/630	85	70	46^{+3}_{-0}	41^{+3}_{-0}	28^{+2}_{-0}	30^{+2}_{-0}	20^{+2}_{-0}	8	3	
„ „ „ 1/1 000	110	90	57^{+4}_{-0}	46^{+3}_{-0}	37^{+3}_{-0}	35^{+3}_{-0}	25^{+2}_{-0}	10	4	
„ „ „ 1/2 000	125	104	70^{+5}_{-0}	64^{+4}_{-0}	51^{+4}_{-0}	35^{+3}_{-0}	25^{+2}_{-0}	10	4	
„ „ „ 1/3 150	150	125	90^{+6}_{-0}	80^{+5}_{-0}	61^{+4}_{-0}	35^{+3}_{-0}	25^{+2}_{-0}	12	4	

NOTE — This figure has been shown with slots. These slots are required for 250 and 630 A lower insulator.

*Unglazed.

ΔSurfaces ground parallel to each other and perpendicular to axis.

All dimensions in millimetres.

IB Lower Insulator

FIG. 1 PORCELAIN INSULATOR FOR 1/250, 630, 1000, 2000 AND 3150 BUSHINGS

IB Lower Insulator