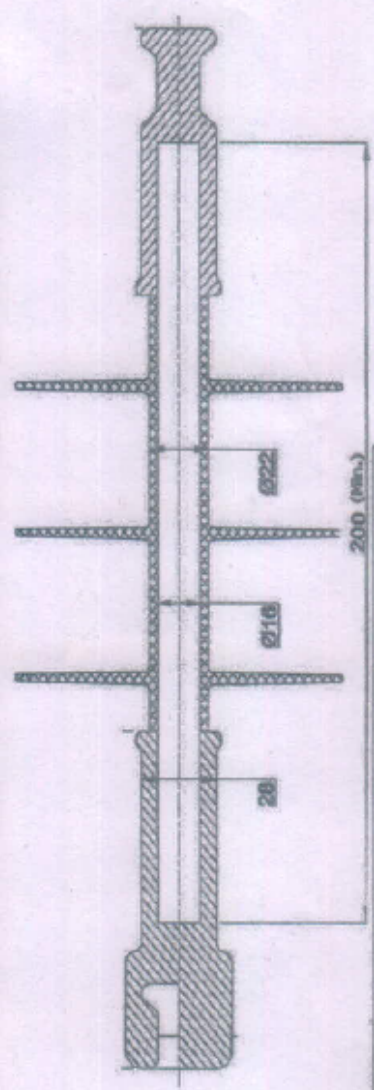


11KV, 450N, 320 Creepage Distance, Long Rod, B & S Type Composite (Polymer) Insulator



*[Signature]*  
**Chief Engineer (Material)**  
**PGVCL, Corporate Office**  
**Rajkot.**

**CHARACTERISTICS / Applicable Standard : IS 61109:2008 with amendment, if any.**


Ball Finish	: S.G. Iron / NCI
Socket Finishing	: S.G. Iron / NCI
FRP Rod Diameter	: $\geq 16$ mm
FRP Rod length	: $\geq 2000$ mm (Min.)
Rated Voltage	: 11 KV (rms)
Creepage Distance	: 320 (Min.)
Minimum Tensile Load	: $\geq 320$ mm (Min.)
Highest System Voltage	: 450N (Sust.)
Dry Power Frequency Withstand Voltage	: 12 KV (rms)
Wet Power Frequency Withstand Voltage	: 70 KV (rms)
Dry Lightning Impulse withstand	: 45 KV (peak)
Visible Discharge Voltage	: 110 KV (peak)
Wet Lightning Impulse withstand	: 8 KV (rms)
Wet Power Frequency Withstand Voltage	: 70 KV (rms)
Wet Power Frequency Withstand Voltage	: 45 KV (peak)
Dry Lightning Impulse withstand	: 110 KV (peak)
Visible Discharge Voltage	: 8 KV (rms)

\*1/2" type - phosphorus bronze / 1/4" type - Stainless steel security clip as per IS 2485 (P - 11/1974)  
**TOLERANCE AS PER IS 61109:2008**

**DIA. OF SHED**  
:  $\geq 90$  mm

**WEIGHT OF INSULATOR**  
: 1 KG (APPROX.)

This is T-caster Drawing  
All Dimensions Are In MM.

<b>TITLE</b> 11 KV, 450N 320 CD COMPOSITE B & S TYPE DISC INSULATOR	
<b>APPROVED BY</b>	<b>SCALE</b> RTB
	<b>DWG NO.</b> 11KV/450N-320CD B & S Polymer