



# MacLean Power Systems

MPS Catalog Number:

**MG300Z**

Date: Jan. 2014

Standard Class: **IEC 24**

Ball and Socket Coupling: w/ Zinc Sleeve 24

Shell Profile: Standard

Weight: 25.4 lbs 11.5 kg

## DIMENSIONS

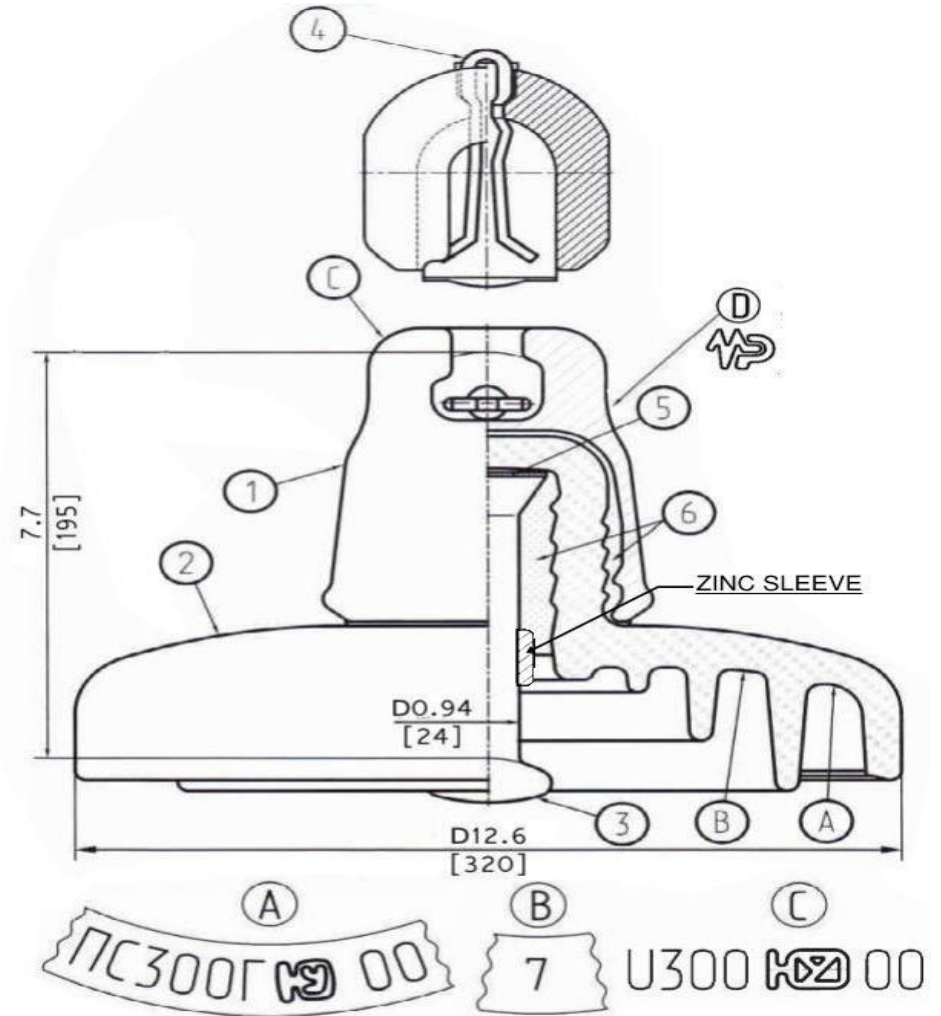
Diameter (D):	12.6 in	320 mm
Spacing:	7.68 in	195 mm
Leakage Distance:	19.1 in	485 mm

## ELECTRICAL VALUES

Low Frequency Dry Flashover:	95 kV
Low Frequency Wet Flashover:	55 kV
Critical Impulse Flashover Positive (CIFO +):	145 kV
Critical Impulse Flashover Negative (CIFO -):	145 kV
Low Frequency Puncture Voltage:	130 kV
Radio Influence Voltage(RIV) Test Voltage:	10 kV
Maximum RIV at 1 MHz:	50 $\mu$ V

## MECHANICAL VALUES

Min. Mechanical Failing Load:	67.4 klb	300 kN
Proof Routine Test Mech. Load:	33.7 klb	150 kN
Impact Strength:	400 in-lbs	45 N-m



Item#	Qty	Description	Material	Coating
1	1	Cap	Spheroidal Graphite Cast Iron	Hot dip galvanized (600g/m <sup>2</sup> )
2	1	Shell	Toughened Glass	
3	1	Pin	Steel 40 Cr-Forged Steel	Hot dip galvanized (600g/m <sup>2</sup> )
4	1	Cotter Pin	Stainless Steel V-16 ANSI	
5	1	Gasket	Interlaying Material	
6	---	Cement	Alumina Cement	