

TECHNICAL PARTICULARS

MECHANICAL VALUES

Bending strength (Upright & under hung)	lb	1700	kN	7.56
Compression strength	lb	60000	kN	267
Tensile strength	lb	20000	kN	89
Torsional strength	in lb	60000	kNm	6.78

ELECTRICAL VALUES

Dry power frequency withstand voltage	kV	280
Wet power frequency withstand voltage	kV	230
Dry power frequency flashover voltage	kV	305
Wet power frequency flashover voltage	kV	255
Lightning impulse withstand voltage	kVp	550
Impulse flash over voltage	kVp	610
Min. nominal creepage distance	Inch	99 mm
Shed profile as per IEC		: 60815

RADIO INFLUENCE VOLTAGE DATA

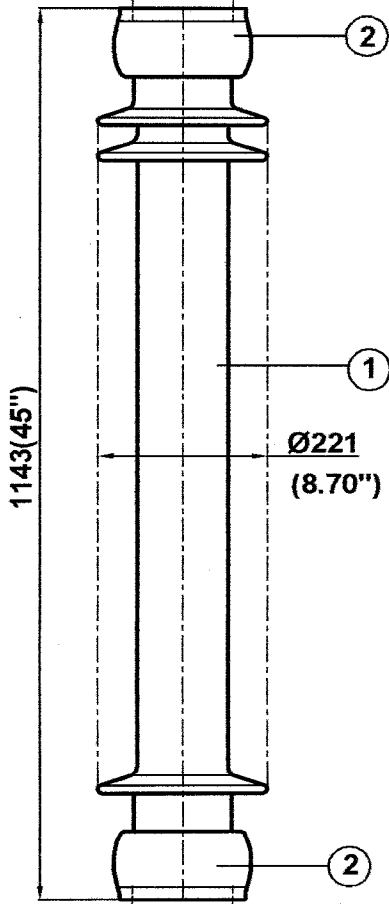
Test voltage to ground	kV	73
Max. RIV at 1000 kHz	µV	200

NOTE: -

Test & tolerance as per IS :2544 , 5350 & IEC :60168 ,
IEC: 273 & ANSI : C 29.9

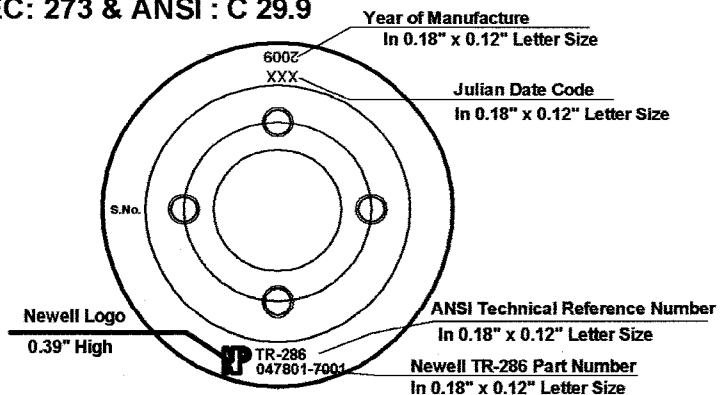
4 Holes 5/8" -11UNC (0.015"Oversize)

X 0.866" deep on 5" PCD



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X 0.866" deep on 5" PCD



Marking at top Shed

2	Caps	MCI / SGI	Hot dip galv .
1	Insulator body	Al. porcelain	Grey Glazed
S.No.	DESCRIPTION	MATERIAL	REMARKS

Title SOLIDCORE POST INSULATOR (BIL - 550 kV)		Scale N.T.S.	Matl. See table
Ref. TR : 286		Drawn M . A . Haque	Checked K.R.J.C.
All dimension are in mm.		Approved J.B.A.	Date 19 - 10 - 1995
NEWELL PSN LLC		Drg. No. 212 - C - 094	Rev. 1

Rev. :- 1 On dated 04-06-2003