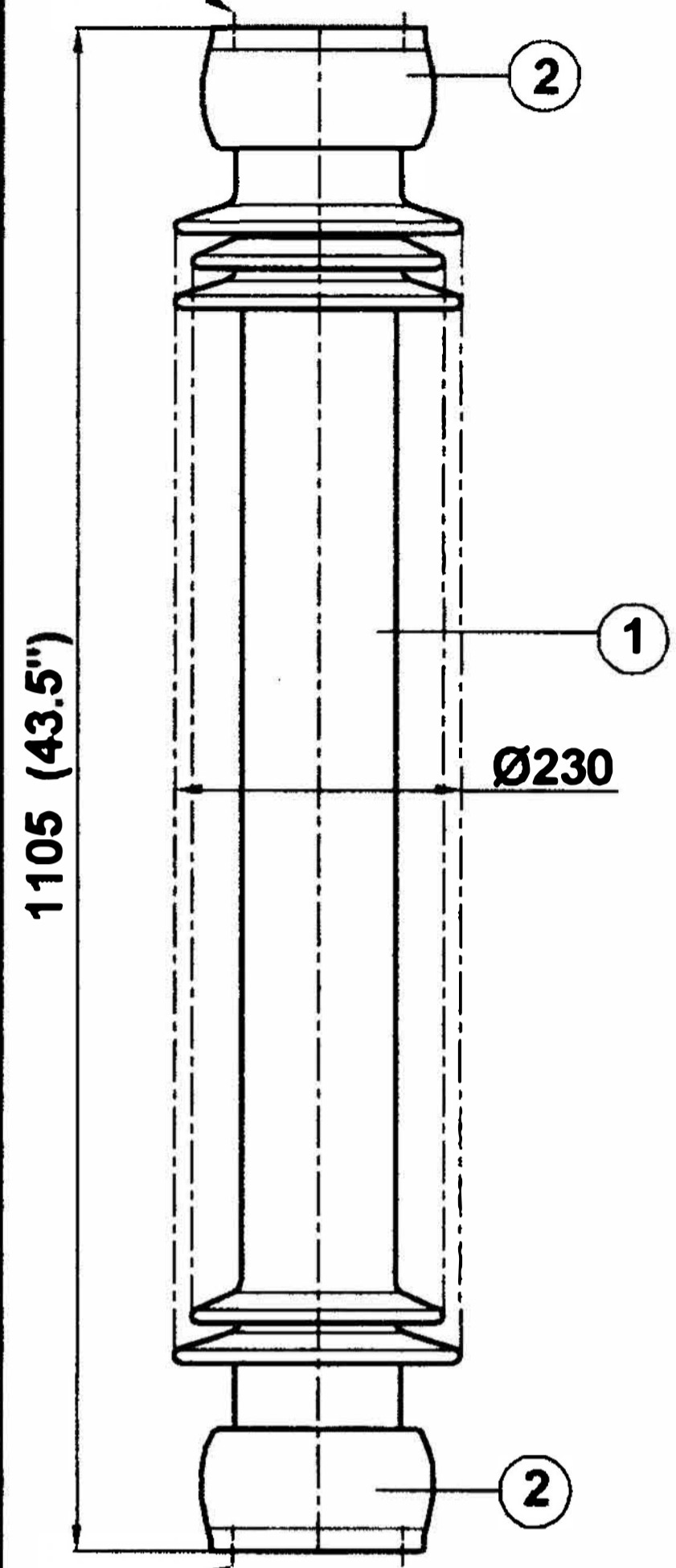


## TECHNICAL PARTICULARS

4 Holes 5/8" -11UNC (0.015"Oversize)  
X 0.866" deep on 5" PCD



4 Holes 5/8" -11UNC (0.015"Oversize)  
X 0.866" deep on 5" PCD

### MECHANICAL VALUES

Bending strength ( Upright & under hung )	lb	2900	kN	12.9
Compression strength	lb	90000	kN	400
Tensile strength	lb	25000	kN	111
Torsional strength	in lb	90000	kNm	10.2

### ELECTRICAL VALUES

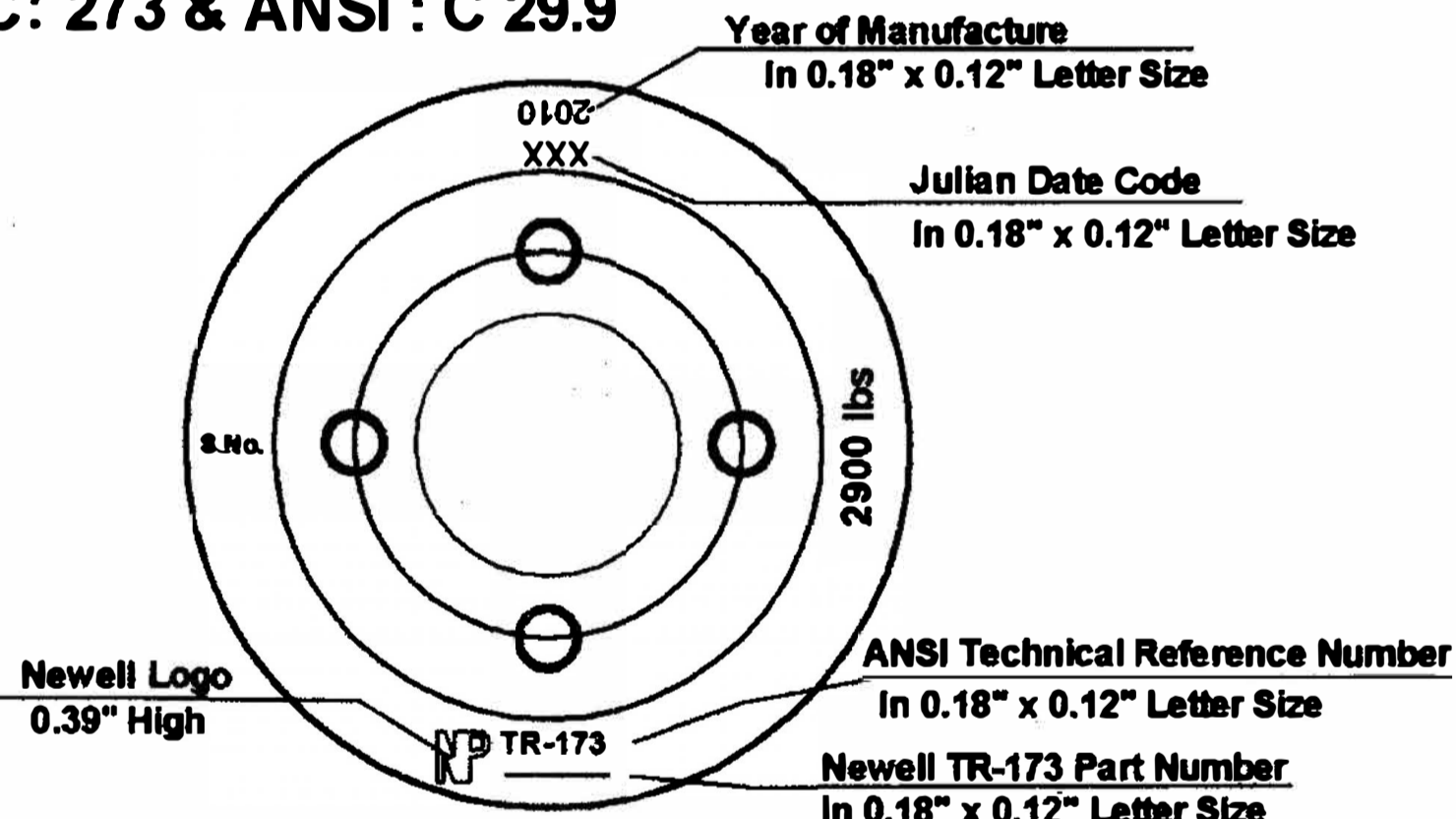
Dry power frequency withstand voltage	kV	280
Wet power frequency withstand voltage	kV	230
Dry power frequency flashover voltage	kV	305
Wet power frequency flashover voltage	kV	255
Lightning impulse withstand voltage	kVp	550
Impulse flash over voltage	kVp	610
Min. nominal creepage distance	Inch mm	99 2515
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



Marking at top Shed

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

Title	<b>SOLIDCORE POST INSULATOR</b> ( BIL - 550 kV )		Scale N.T.S.	Matl. See table
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Ref.	<b>NP-550-1415-7001</b>	Drawn	Kirti Nambiar
		Checked	S.K.Dixit
		Approved	KR JC

All dimension are in mm./inch	Date	12-03-2010
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<b>NEWELL PSN LLC</b>	Rev.	1
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Rev.-1 on dt.- 03-08-2010  
Compression strength 90000 lb was 75000 lb