

TECHNICAL PARTICULARS

MECHANICAL VALUES

Bending strength	lb	2050	kN	9.12
(Upright & Under hung)				
Compression strength	lb	120000	kN	534
Tensile strength	lb	40000	kN	178
Torsional strength	inch-lb	120000	kNm	13.56

ELECTRICAL VALUES

Dry power frequency withstand voltage	kV	585	
Wet power frequency withstand voltage	kV	525	
Dry power frequency flashover voltage	kV	615	
Wet power frequency flashover voltage	kV	555	
Lightning impulse withstand voltage	kVp	1300	
Impulse flash over voltage	kVp	1410	
Min. creepage distance - inch	231	mm	5868
Shed profile as per IEC : 60815			

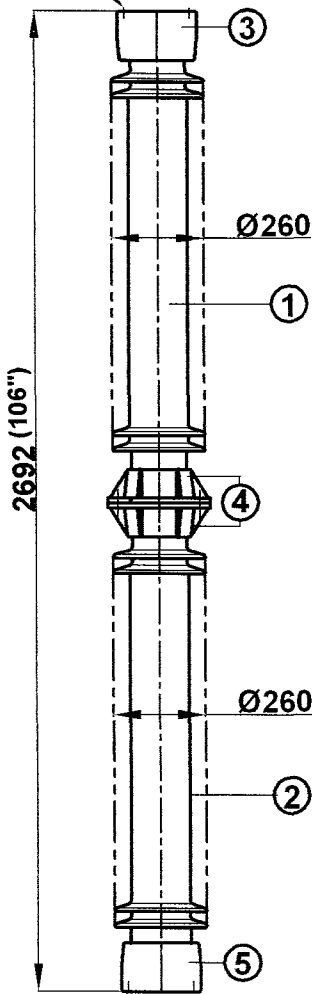
RIV DATA

Test voltage to ground	kV	220
Max. RIV Microvolts at 1000 kHz	μV	1000

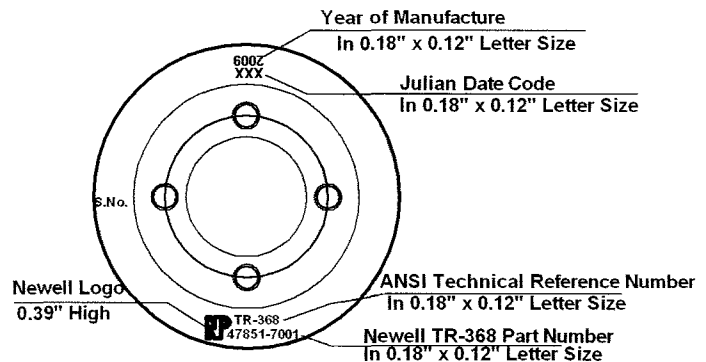
NOTE: -

Test & tolerance as per IS :2544 , 5350 & IEC :60168 ,
IEC :273 & ANSI :C29.9

4Holes 3/4"-10UNC
(0.015"Oversize)
X 0.866 deep on 7"P.C.D.



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Marking at top shed

3, 4 & 5	Caps & flanges	MCI / SGI	Hot dip galv .
1, 2	Insulator body	Al. porcelain	Grey glaze
S.No.	DESCRIPTION	MATERIAL	REMARKS
Title	345 kV Station Post Insulator (BIL-1300 kv)		Scale N.T.S.
Ref. TR - 368	Drawn		Prashant Gaur
	Checked		S.K.dixit
	Approved		KR JC
All dimension are in mm.			Date 24 - 05 - 2008
NEWELL P S N L L C			Drg. No.
			212 - C - 1555
			Rev. 0