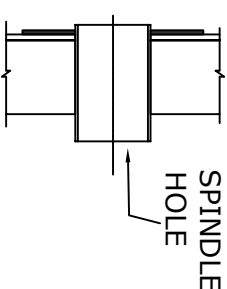


M8x25mm BOLT WITH NUT & WASHER 5 Nos.
IN EACH JOINT OF THE SECTIONS

BARREL IN MAXIMUM FOUR SEGMENTS

PIN HOLE (DRIVE HOLE)
MIN 2 PIN HOLES REQUIRED PER FLANGE
DIA = 65mm (5mm thick)
LENGTH = 70mm



NOTE :

(i)	Flanges shall have non corrosive primer coat and enamel paint .
(ii)	Washers are required on all bolts.
(iii)	Barrel and inner surface of flange shall have water proof protective HDPE sheet.
(iv)	Medium grade Craft/Crepe/Polythene Paper shall be used in between the Layers of Conductor.
(v)	Tolerance overall : + 5mm.
(vi)	Tolerance on sheet metal : +0.1mm.
(vii)	Tolerance on other M.S items : +3mm.
(viii)	Tolerance on thickness for other M.S items : +0.5mm.
(ix)	Tolerance on bush : +2mm.
(x)	All dimensions are in mm
(xi)	All mild steel shall conform to IS-2062

	Name of the Parts	Material Specification	Quantity	Dimensions
1	OUTER RING	M.S. PLATE	2	63x8 mm (FLAT RING)
2	TIE ROD	M.S. ROD	8	18 mm DIA
3	CENTRE BUSH	M.S. PIPE	2	105 mm IDx115 mm OD
4	INNER RING	M.S. PLATE	2	100x6 mm
5	FLANGE	H.R. SHEET	Max 3 CORRUGATED SHEETS PER FLANGE	1.6 mm THICK (min 36 nos. of corrugations)
6	BARREL SHEET	H.R. SHEET	Max 4 SEGMENTS	2.5 mm THICK
7	CROSS ARM	MILD STEEL	4	100mmx70mm, 6mm THICK OR MS CHANNEL 125mmX65mmX6, 6mm (LC125)
8	FRAME SIZE (FOR MARKING)			250mmx400mm (APPROX)
9	SOLID PP SHEET	POLY PROPYLENE		3 mm THICK (min)

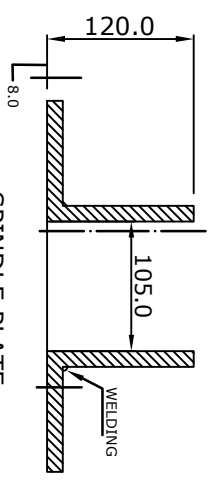
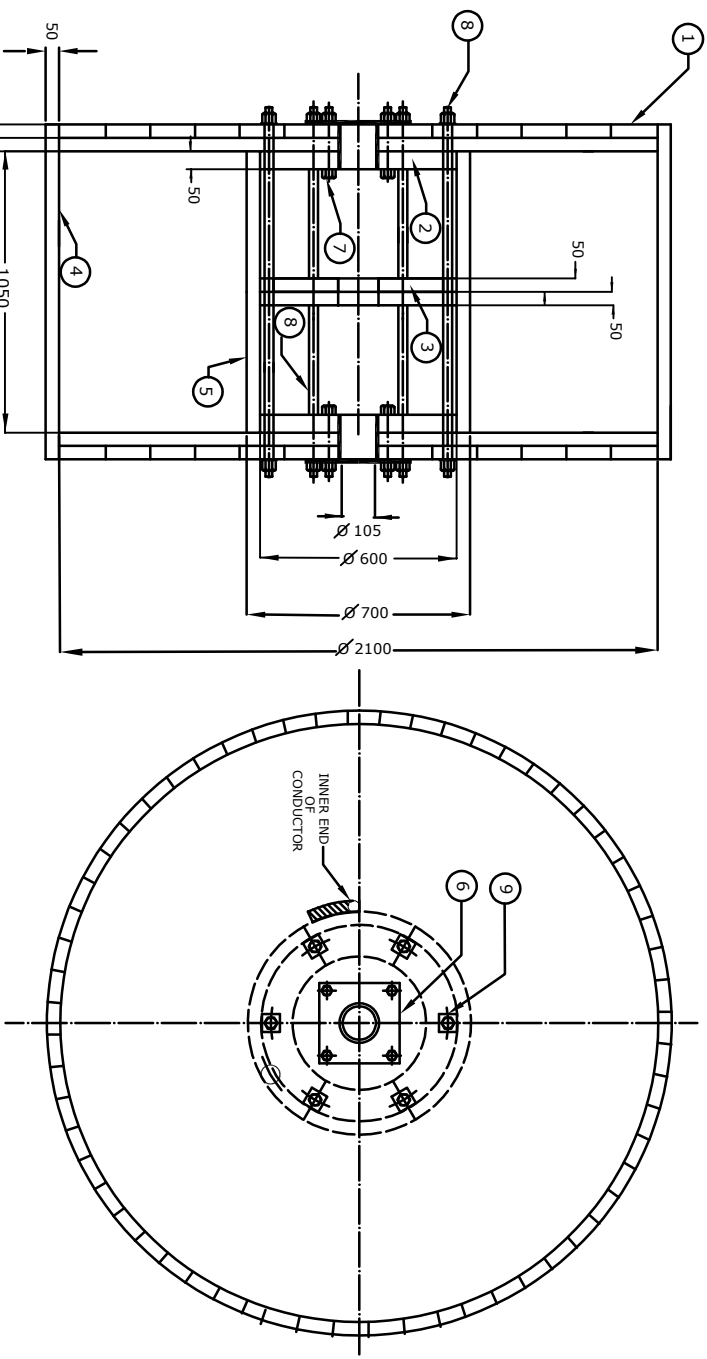
STANDARD DRAWING



पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
(पब्लिक सेक्टर एन टाउन)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

STANDARD CONDUCTOR LENGTH	LAPWING	BERSIMIS	MOOSE	SNOWBIRD	ZEBRA	PANTHER
L in Meters	1800	2100	2400	2600	3000	3500

REVISION					CLEARED BY			SCALE		REV.
2	Standard Length & PP Sheet Thickness Modified.							FOR ACSR/AAAC/AL59 CONDUCTOR	DRAWING NO-CC-ENG-CTL-COND-ST	
1	Note no. 4 added.									2
REV. No	DESCRIPTION	CHGD	REVM	APPD	CHCKED	REVIEWED	APPROVED			



DRUM COMPONENTS		MATERIAL SPECIFICATION	QUANTITY	DIMENSION
1.	FLANGE	SEASONED WOOD	2	Ø 2100x100(50+50)
2.	BARREL END SUPPORTS	SEASONED WOOD	2	Ø 600x50
3.	BARREL MIDDLE SUPPORT	SEASONED WOOD	1	Ø 600x100(50+50)
4.	OUTER LAGGING	SEASONED WOOD	--	1250x50
5.	BARREL BATTENS	SEASONED WOOD	--	1050x75x50
6.	SPINDLE PLATE	MS	2	300x300x8
7.	BUSH PLATE STUD	MS	8	Ø 16x180
8.	TIE ROD	MS	6	Ø 22x1325
9.	TIE ROD WASHER	MS	12	75x75x6

REVISION		REV. No	DESCRIPTION	CHKD	REWD	APPD
1	Standard length modified & Panther conductor added.					

CHECKED	REVIEWED	APPROVED	SCALE N.T.S.	REV. 1
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NOTE :	
1.	ALL DIMENSIONS ARE IN MM.
2.	DRUMS SHALL GENERALLY CONFORM TO IS 1778-1980 AMENDMENT No.1 of June 1989 EXCEPT OTHERWISE SPECIFIED.
3.	ONE LENGTH OF CONDUCTOR SHALL BE WOUND ON EVERY DRUM
4.	THE STANDARD LENGTH OF THE CONDUCTOR AND EQUIVALENT SIZE OF CONDUCTOR IS L mtrs (INDICATED IN THE TABLE BELOW) WITH TOLERANCE OF ± 5%.
5.	TOLERANCE ON DIMENSIONS OF WOOD IS + 3mm.
6.	TOLERANCE ON STEEL COMPONENTS OF THE DRUM IS ± 0.50mm.
7.	INNER & OUTER SURFACE OF FLANGE & BARREL SHALL BE BITUMIN PAINTED.
8.	BARREL & INNER SURFACE OF FLANGE SHALL HAVE WATER PROOF HDPE SHEET
9.	OUTER SURFACE OF CONDUCTOR SHALL BE COVERED BY WATER PROOF POLYTHENE PAPER
10.	MEDIUM GRADE CRAFT/CREPE/POLYTHENE PAPER SHALL BE USED IN BETWEEN THE LAYERS
11.	ALL NUTS OF ROD SHOULD BE TACK WELDED.
12.	3 nos. BINDER SHALL BE USED FOR BINDING THE EXTERNAL LAGGING.
13.	FLANGE SHALL BE NAILED IN 5 CIRCLES WITH NAIL SIZE OF 125X4.

STANDARD CONDUCTOR LENGTH	LAPWING	BERSIMIS	MOOSE	SNOWBIRD	ZEBRA	PANTHER
L in Meters	1800	2100	2400	2600	3000	3500

STANDARD DRAWING



पावरग्रिड
POWERGRID

पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
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