

1) Main Parts :

- ① Electrolytic Copper Conductor, Silver plated 10μm
- ② Expansion tank
- ③ Oil level indicator(Magnetic)
- ④ Air side insulator
- ⑤ Test tap
- ⑥ Rating plate
- ⑦ Epoxy oil side insulator
- ⑧ Tapped Holes, 2xM12 for Location of Fastening Lifting Eyes
- ⑨ Air outlet
- ⑩ Lifting Holes(2xM16)
- ⑪ Earthing Holes(2xM12)
- ⑫ Flange
- ⑬ CT Extension
- ⑭ Conductor Bolt Pinned (Pin at 45° Drawed Displaced)
- ⑮ Upper Conductor (Copper)
- ⑯ Lower Conductor (Copper)
- ⑰ Hex. Head Screw Similar to DIN933-M12x30 X5CrNi 18.10
- ⑱ Conical Spring Washer DIN6796-12 X7 CrNiAl 17.7

2) Electrical Data :

Rated Voltage	245	kV
Phase to Earth Voltage	142	kV
U test Dry (1min)	505	kV
Basic Insulation level	1050	kV
Rated Current	1600	A
Thermal Short Time Current/Time	50	kA/3S
Min. Creep. Distance	7750	mm
Switching Impulse Voltage Withstand Test	850	kV

3) Removable Copper Conductor.

4) Air outlet (Item 9) at PCD=208

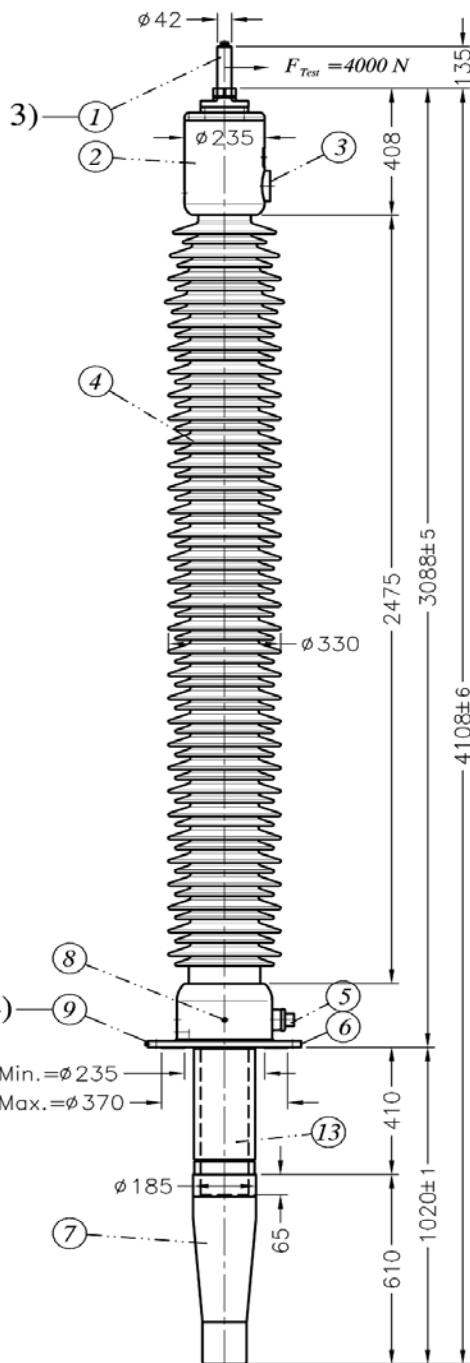
5) The O-Ring of transformer shall be placed against this sealing surface limited to Dmin, Dmax for secure sealing.

6) Standard : IEC60137-2008

7) Mounting :

Vertical – Max. angle of inclination 30°

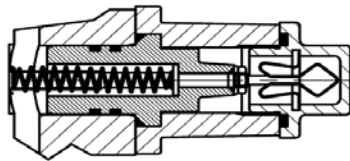
8) Dimensional Tolerances of Machined Parts not mentioned are acc. to DIN ISO 2768-1 , Coarse Level.



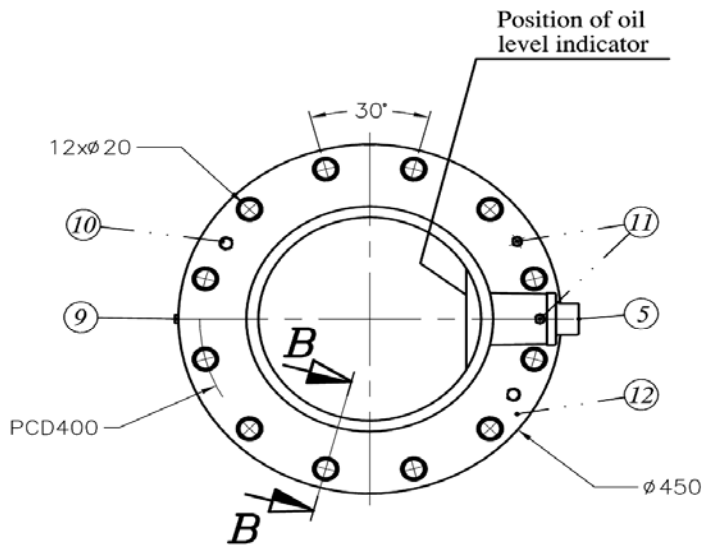
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6	Dim. 615 was 600		B.Sam	23.07.11	A.Mahmoodian	23.07.11	Title Outline Drawing Bushing OTF 1050-245-AE4 B Special (Magnetic Oil Level Indicator)	Mass 410Kg
5	Dimensions Tolerance 3088,4108,1020 Changed		B.Sam	23.05.03	Soltaninezhad	23.05.03		Scale None
Rev. No.	Subject		Revised by		Appr. by			Std ISO
Res. dep. D&E	Design by B.Sam	Date 2012.01.01	Drawn by M.R.Fathi	Date 2012.01.01	Appr. by R.Eslami	Date 2012.01.01	Take over dep. -	Sht 1
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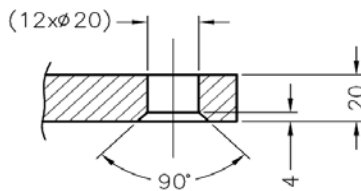
9) View of test tap :



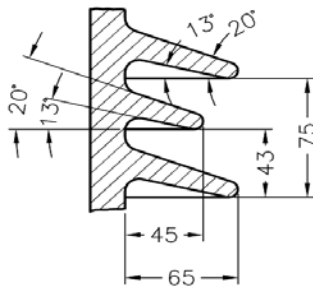
10) View of Installation Flange :



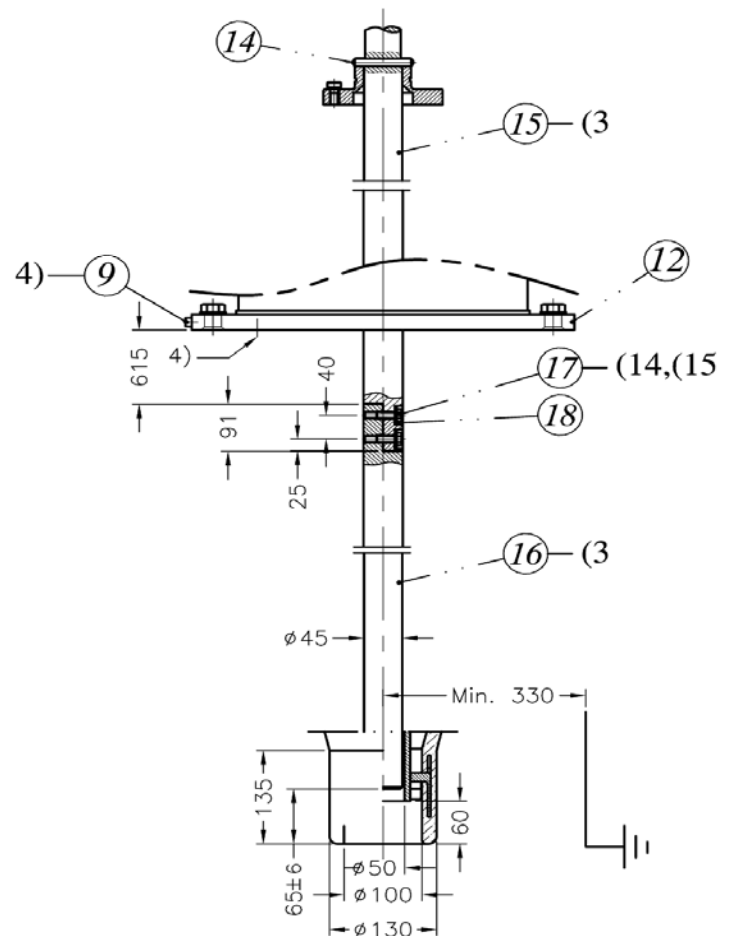
11) Section B-B :



12) View of Shed Profile :



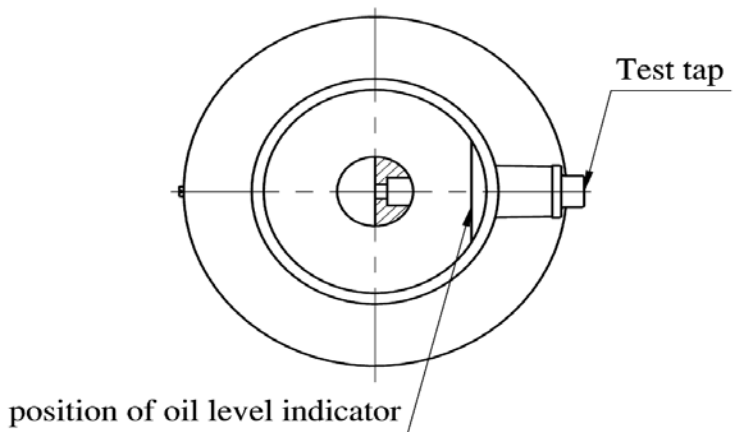
13) View of Oil Side Insulator :



14) Conductor bolt joint

15) Torque 50 Nm

16) Position of conductor bolt joint :



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