

UMANG BOARDS LIMITED

PRODUCT DATA SHEET

ANGLE RING ,CAP RING AND SNOUTS



Angle ring cap ring and snouts

AS PER IEC 60641-1 TYPE B 4.1

CHARACTERISTIC FEATURES

1. 100 % Electrical grade Sulphate Pulp
2. Natural –coloured
3. Made of Umang Transformers Board
4. High Purity and oil absorption
5. Insulation class A (105°C)
6. Good compatibility with liquid dielectrics strength



APPLICATIONS

1. Insulation of winding in Transformers
2. Split angle ring shape A (1x300°) + snout (1x60°)
3. Angle ring in segments shape H (5x60°) + snout shape C (1x60°)

VARIANTS

Umang angle ring cap ring an snouts are available in the following shapes: -

Angle ring shape A	Split angle ring : Full ring = 1x300°
Angle ring shape H	Angle ring consisting of 6 segments : Ring Segments = 6x60°
Snout shape C	Angle snout Segment : Chimney-type segment = 60°

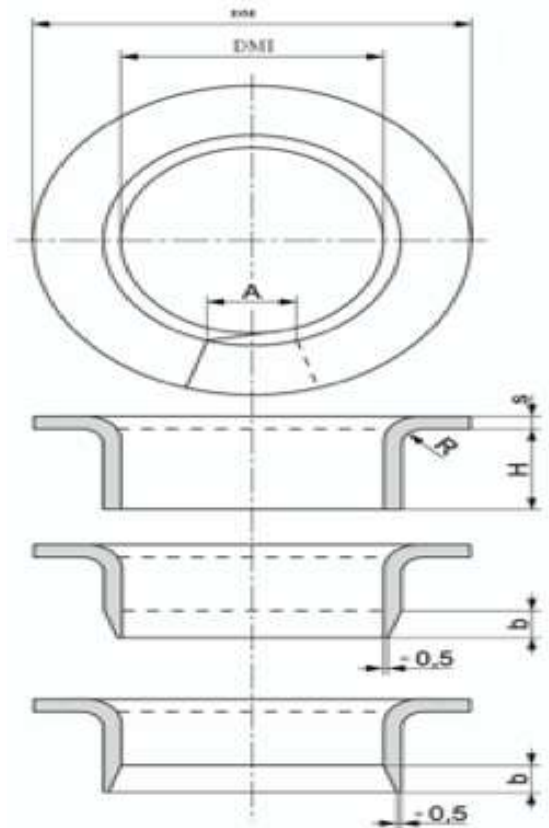


SPLIT ANGLE RING SHAPE "A"

TECHNICAL DRAWING

Dimension

DM	Max.2100 mm
DMI	Min. 300 mm
H	Max. 200mm
s	2-6 mm
b	Max. 120 mm
R	5-40 mm
A	20 x s + 50



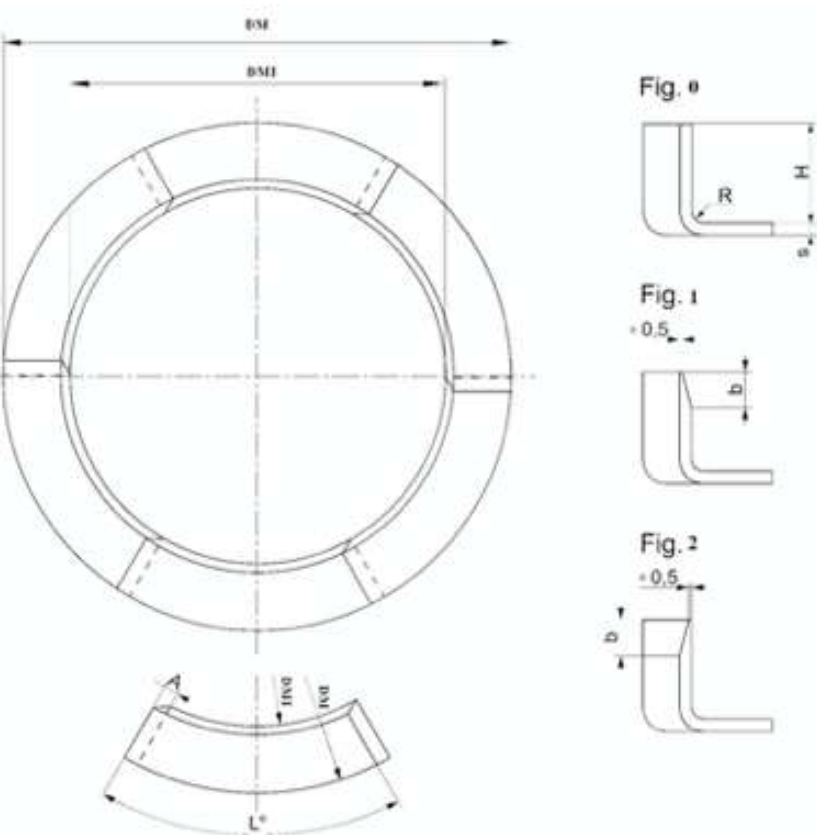
Tolerance

H	± 3.00 mm
A	±
b	+10.0 / -5.0 mm
DM <650 mm	±5.0 mm
DM 650 - 1250 mm	±10.0 mm
DM > 1250 mm	±15.0 mm
R ≤ 15.0 mm	±2.0 mm
R > 15.0 mm	±5.0 mm
s ≤ 2.0 mm	-0.3 / +0.5 mm
s > 2.0 mm	-0.3 / +1.0 mm



ANGLE RING SHAPE "H"

TECHNICAL DRAWING



Dimensions

B	5 – 200mm; standard tolerance -0.3 / +0mm
L	Max. 4100mm ; standard tolerances ± 100 mm
R	0.75 mm; standard tolerance ±0.50mm
s	≥1≤5 mm; standard tolerance ±0.10
s	>5≤12mm; standard tolerance ±0.20
s	>12≤100 mm; standard tolerance ±0.50

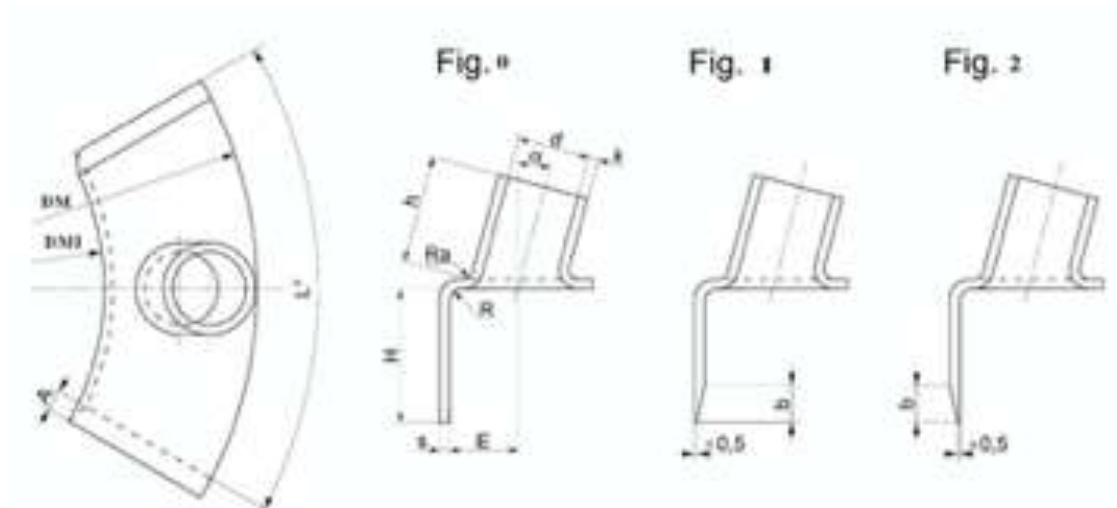
Tolerance

H	± 3.0 mm
B	± 3.0 mm
A	± 2.0 mm
b	+ 10.0 / -5.0 mm
L	+ 10.0 / -5.0 mm
DM < 650 mm	± 5.0 mm
DM 650 – 1250 mm	± 10.0 mm
DM > 1250 mm	± 15.0 mm
R ≤ 15.0 mm	±2.0 mm
R > 15.0 mm	±5.0 mm
s ≤ 2.0 mm	-0.3 / + 0.5 mm
s > 2.0 mm	-0.3 / + 0.5 mm



SNOUT SHAPE "C"

TECHNICAL DRAWING



Dimensions

DM	Any mm
DMI	Any mm
H	Max 200 mm
b	Max 120 mm
R	5 - 40 mm
Ra	10 mm
A	$20 \times s + 50$ mm
h	Any mm
d	Any mm
E	Any mm
k	2 - 6 mm
L	Standard = 60°
Alpha	0 - 45°

Tolerance

H	± 3.0 mm
A	± 20.0 mm
E	± 2.0 mm
d	± 2.0 mm
h	± 5.0 mm
b	+ 10.0 / -5.0 mm
Ra	+ 10.0 / -5.0 mm
\pm	$\pm 3.0^\circ$
L	+ 10.0 / -5.0 mm
k	+2.0 / -1.0 mm
DM < 650 mm	± 5.0 mm
DM 650 - 1250 mm	± 10.0 mm
DM > 1250 mm	± 15.0 mm
R ≤ 15.0 mm	± 2.0 mm
R > 15.0 mm	± 5.0 mm
s ≤ 2.0 mm	-0.3 / + 0.5 mm
s > 2.0 mm	-0.3 / + 1.0 mm

