

Government of India
Bhabha Atomic Research Centre
Applied Physics Division

ENQUIRY

Ref: APD/CB/MF/18/MDK/348/OPA – 221893

Date: - 20/11/2018

Sub: Minor Fabrication - invitation of quotations for the job of “*Development, Supply, Inspection and Guarantee of “Flanges and Accessories”* AS PER ATTACHED DRAWINGS and specifications.

Due Date: - 10 December 2018

Dear Sirs,

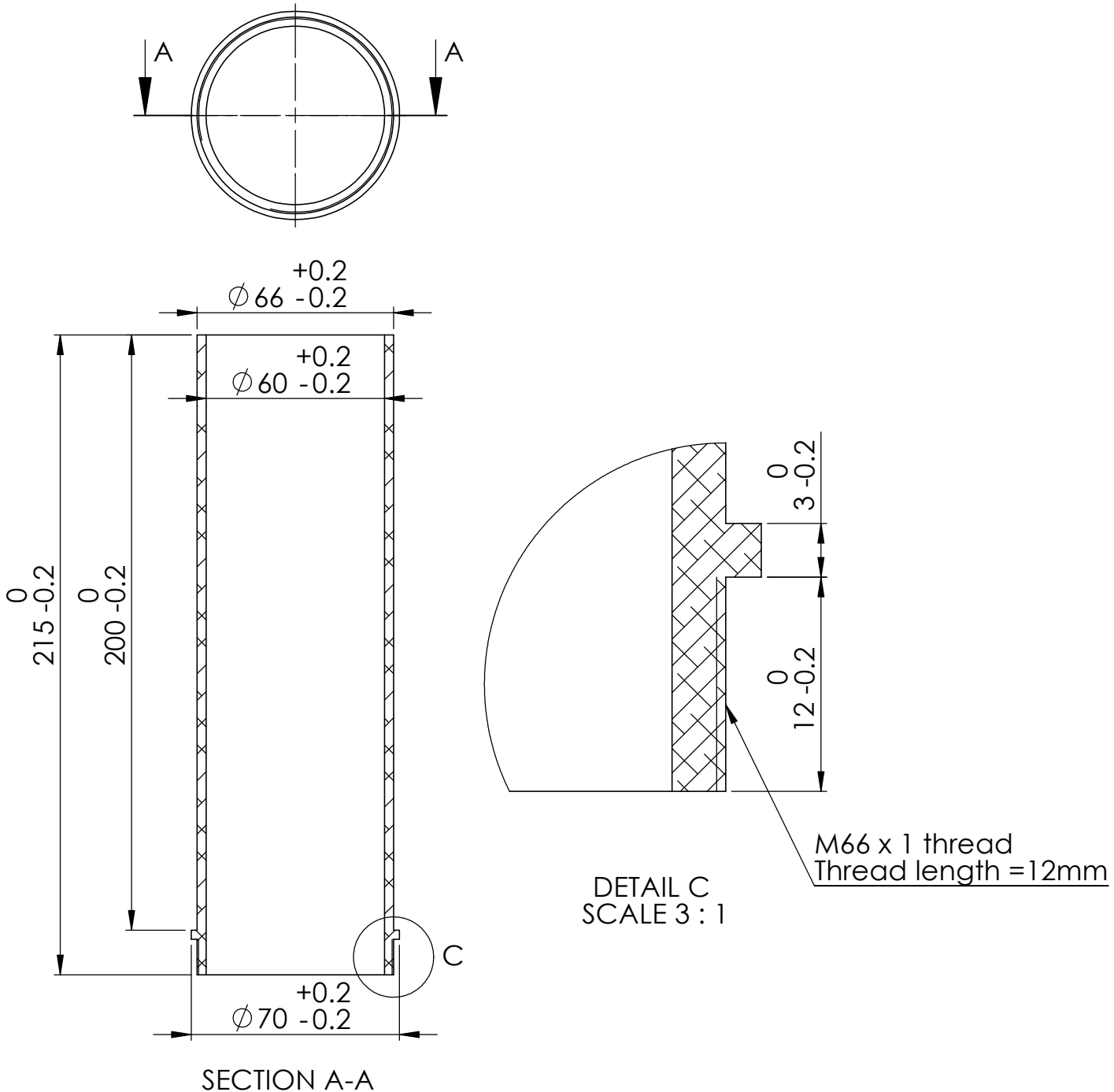
1. Quotations are invited for the minor fabrication job, as per the enclosed specifications and drawings.
2. Bidder shall quote for fabrication of these components with material.
3. Bidder shall take out an insurance policy in favor of BARC for any free issue material supplied.
4. Taxes shall be quoted separately. Form H shall be provided where necessary.
5. The quotations must reach, Head, Applied Physics Division on or before the due date referred above and must be sent in a sealed envelope super scribed with the above reference number and due date.
6. The address on the envelope should read:

The Head,
Applied Physics Division, PURNIMA LABS,
Bhabha Atomic Research Centre
Trombay, Mumbai - 400 085.
Attn:- **Mr. Mahesh D. Kale**

7. The fabrication work shall be subject to inspection by our representative. The finished components shall not be dispatched prior to approval by our representative at the bidder's works. Necessary inspection facilities should be provided to our engineers during fabrication at bidder's premises.
8. The bidder shall deliver the finished components after approval by our representative, **within one month from the date of the firm purchase order issued to the bidder.** The finished components shall be delivered by the bidder at Applied Physics Division, Purnima Laboratory, (Near Plutonium Plant), Bhabha Atomic Research Centre, Trombay, Mumbai-400 085.
9. Head, Applied Physics Division, BARC, reserves the right to accept/reject any or all quotations without assigning any reason.
10. Payment will be made only after satisfactory completion of work on production of bill, delivery challan and advance stamped receipt. It may be noted that IT @ 2% and surcharge on tax at 15% shall be deducted from your bills.
11. Job will be guaranteed against material and manufacturing defects for 1 year from the date of supply.

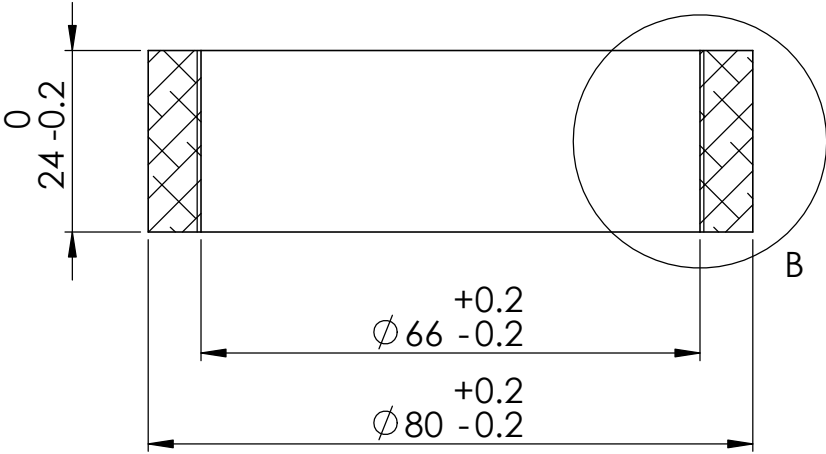
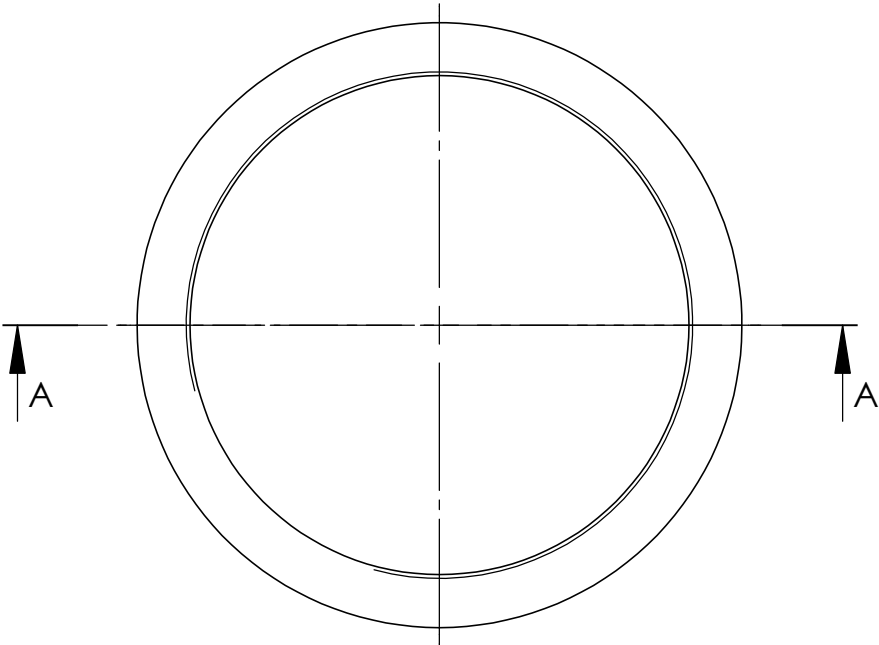
(Mr. Mahesh D. Kale)
For and on behalf of.
Head, Applied Physics Division

Job No. 1
Material: Aluminum T6-6061
Quantity: 8 Nos.

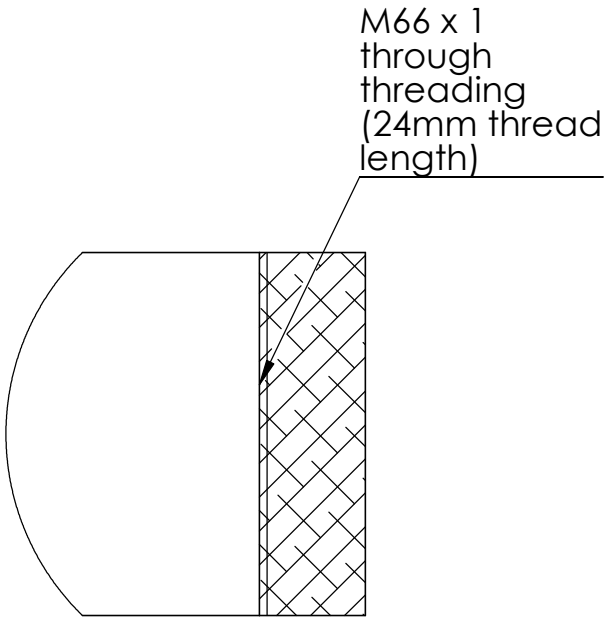


- 1) All dimensions are in mm.
- 2) Chemical composition and mechanical test certificate of the material must be obtained from a certified laboratory and provided during inspection as per suitable IS/ASTM standard.
- 3) A go- no go gauge test must be done to check the dimensional tolerance of inner diameter. Hence, a gauge must also be developed along with this job.

Job No. 2
Material: Aluminum T6-6061
Quantity: 4 Nos.



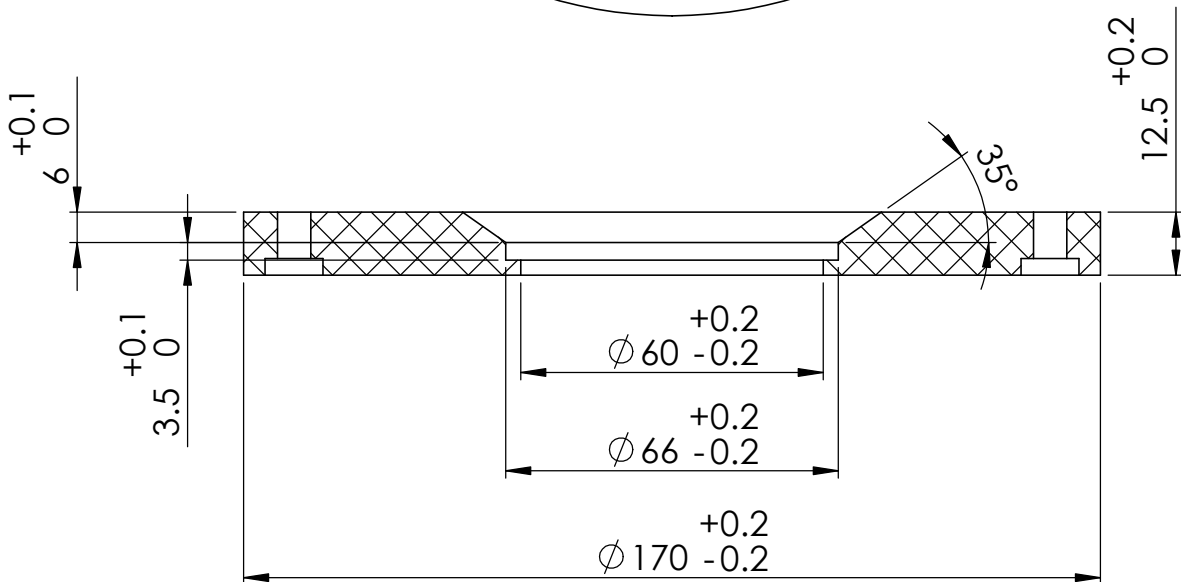
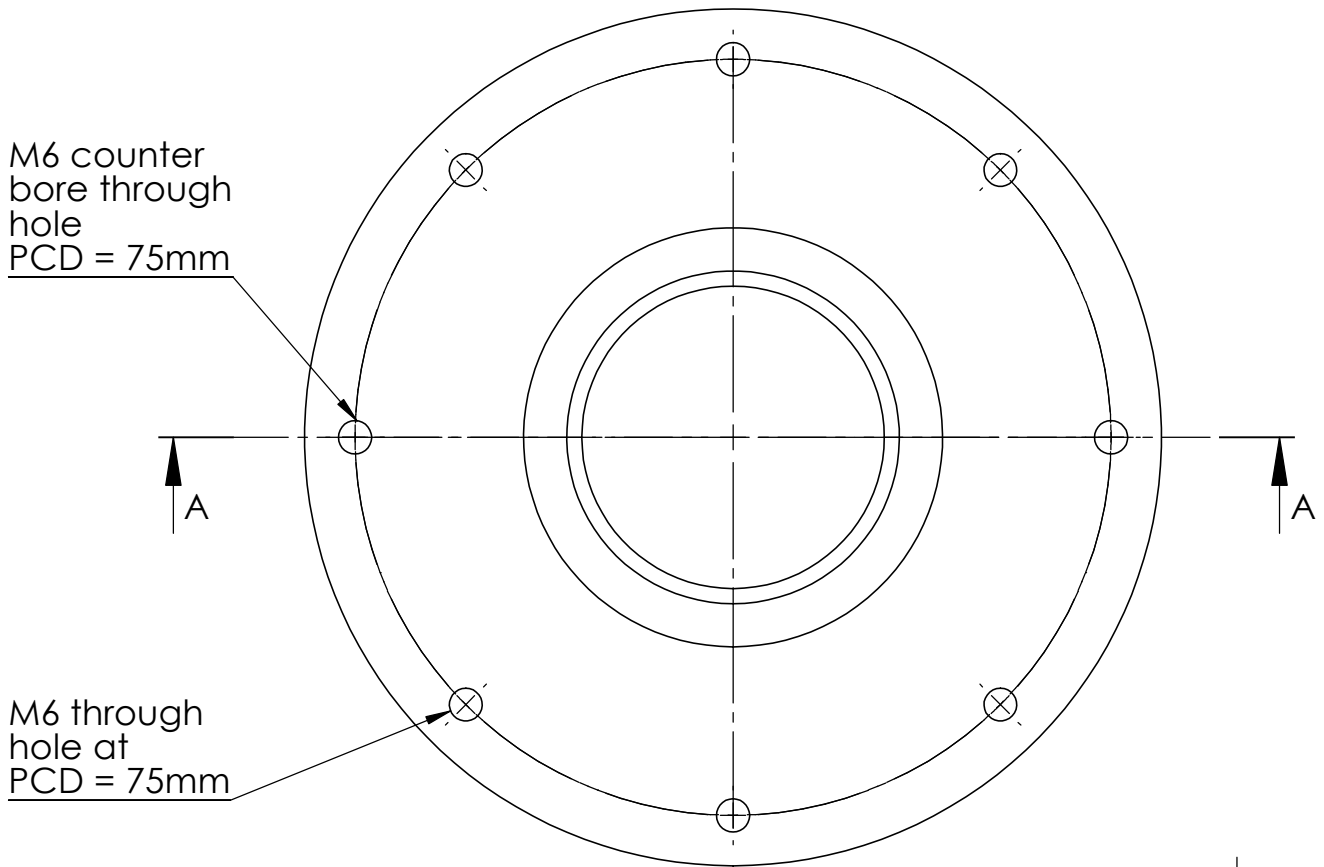
SECTION A-A
SCALE 1 : 1



DETAIL B
SCALE 2 : 1

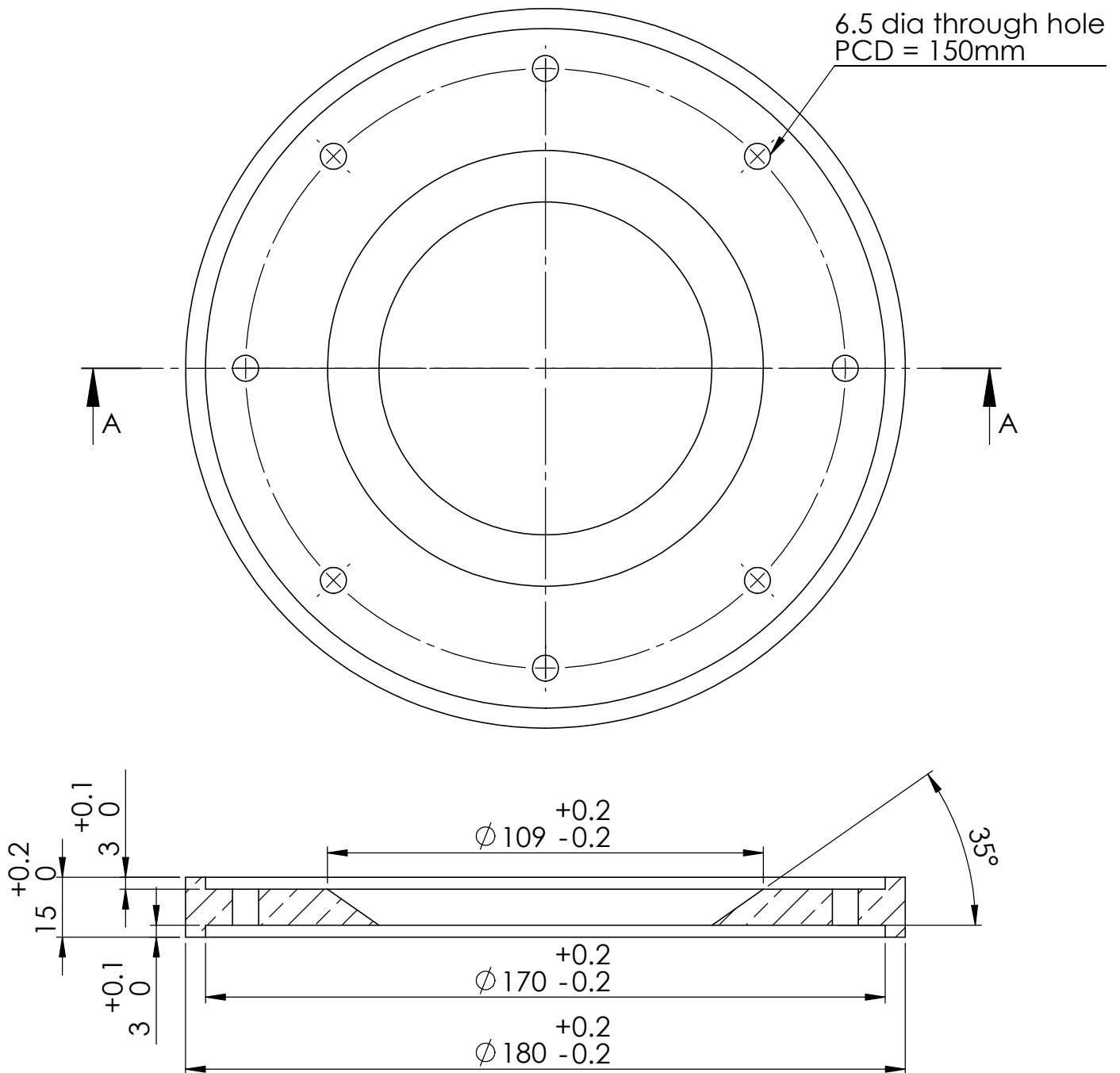
- 1) All dimensions are in mm.
- 2) Chemical composition and mechanical test certificate of the material must be obtained from a certified laboratory and provided during inspection as per suitable IS/ASTM standard.

Job No. 3
Material: Acrylic
Quantity: 8 Nos.



- 1) All dimensions are in mm.
- 2) Four M6 counter bore through holes at PCD = 75mm. (for using M6 allen head bolts)
- 3) Four 6.5mm diameter through holes at PCD = 75mm.

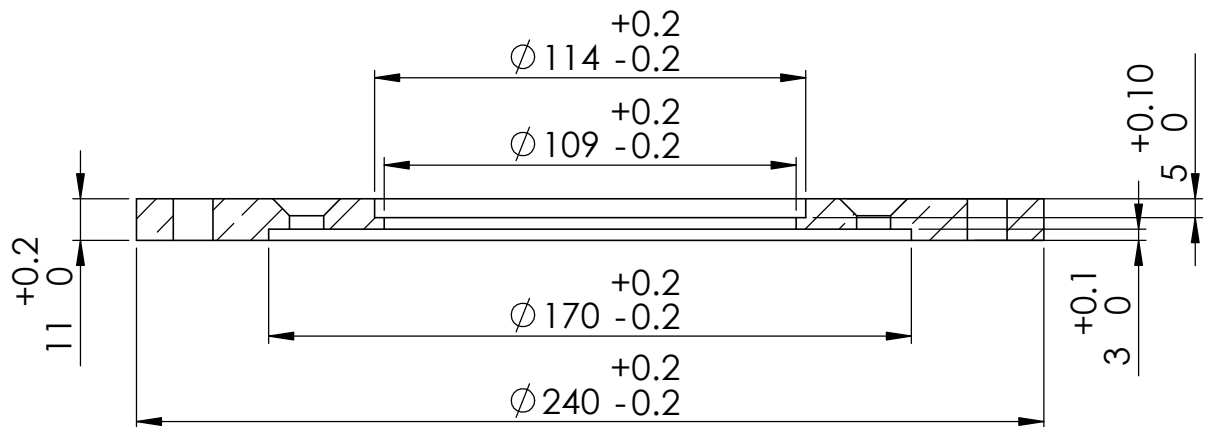
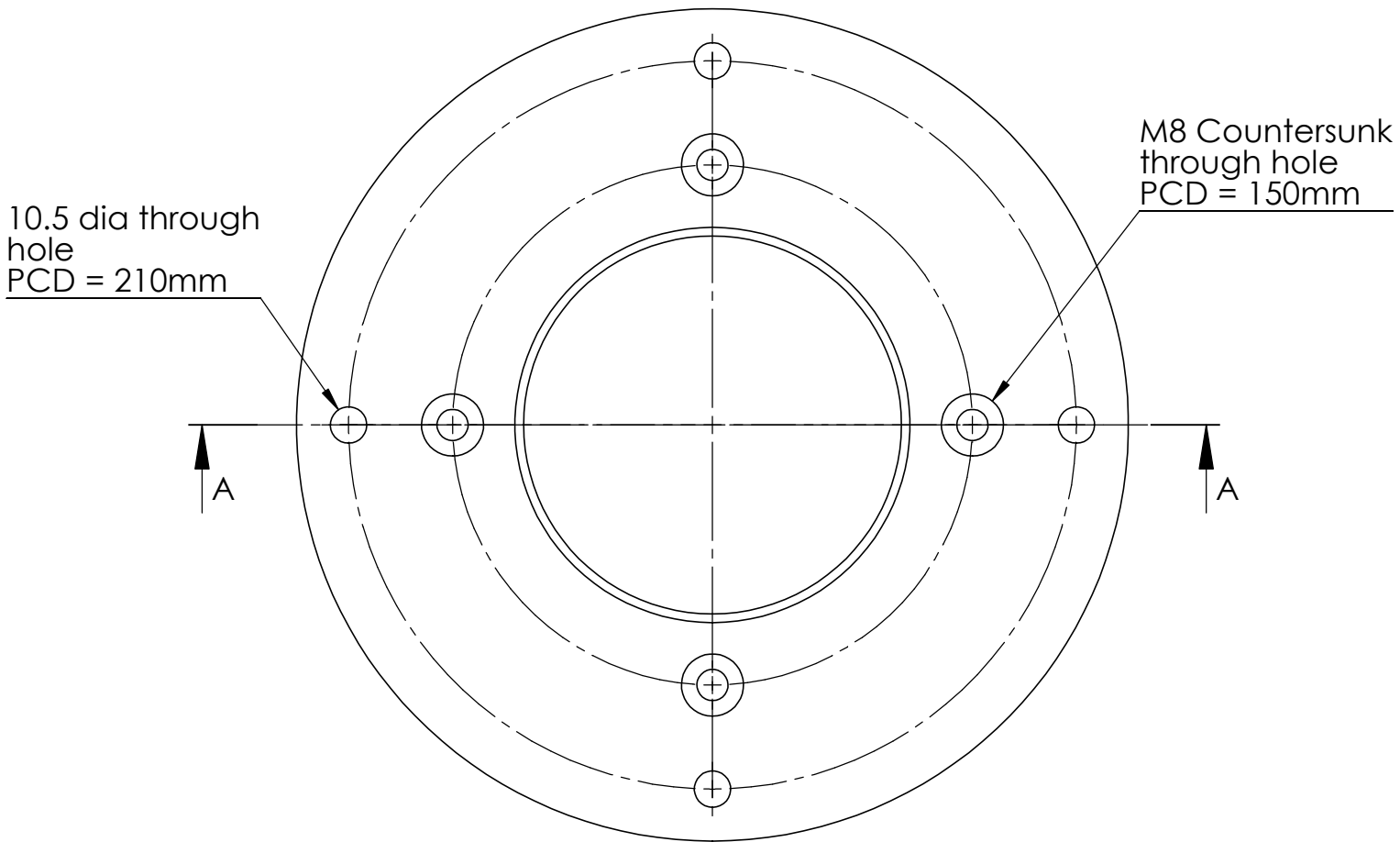
Job No. 4
Material: ETP Grade Copper
Quantity: 8 Nos.



SECTION A-A
SCALE 2 : 3

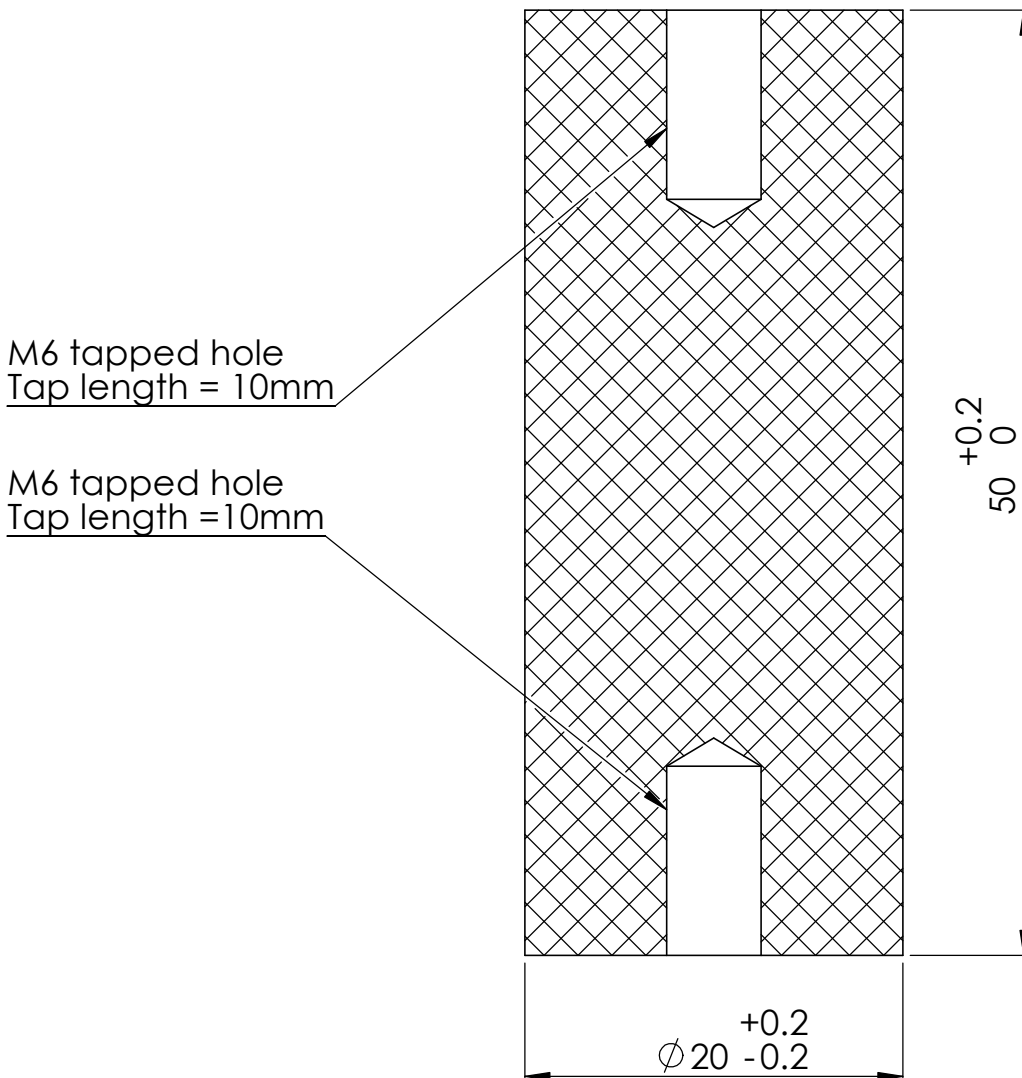
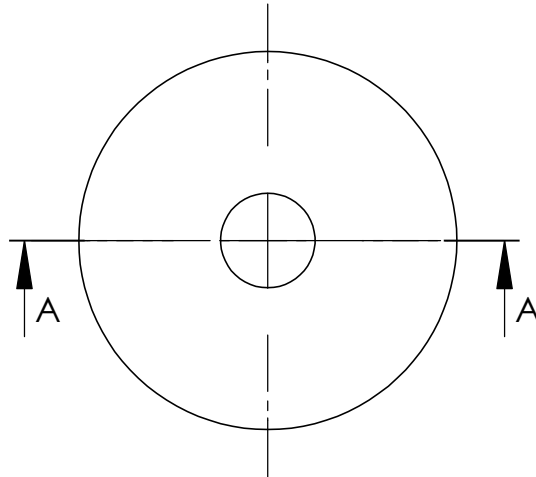
- 1) All dimensions are in mm.
- 2) Chemical composition and mechanical test certificate of the material must be obtained from a certified laboratory and provided during inspection as suitable IS/ASTM standard.

Job No. 5
Material: ETP Grade Copper
Quantity: 8 Nos.



- 1) All dimensions are in mm.
- 2) Chemical composition and mechanical test certificate of the material must be obtained from a certified laboratory and provided during inspection as per suitable IS/ASTM standard.

Job No. 6
Material: Delrin
Quantity: 16 Nos.



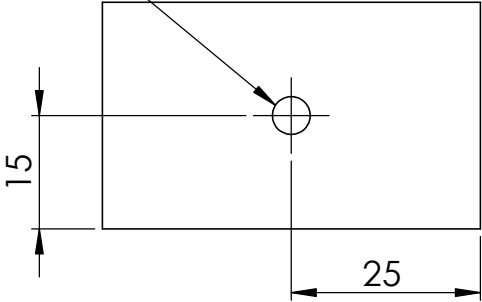
SECTION A-A
SCALE 5 : 2

- 1) All dimensions are in mm.
- 2) Chemical composition and mechanical test certificate of the material must be obtained from a certified laboratory and provided during inspection as per suitable IS/ASTM standard.

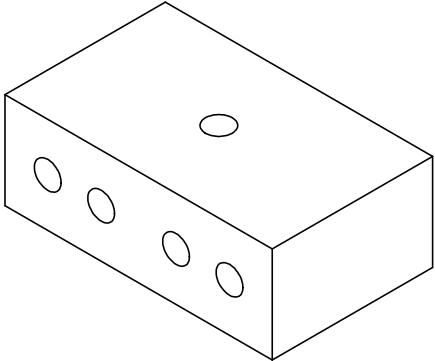
Job No. 7
Material: Brass
Quantity: 32 Nos.

M6 x 1
tapped hole
Tap length = 6mm

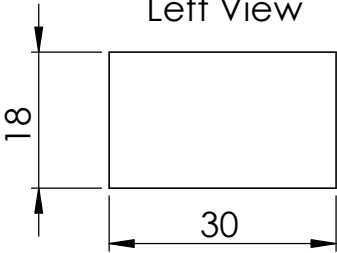
Top View



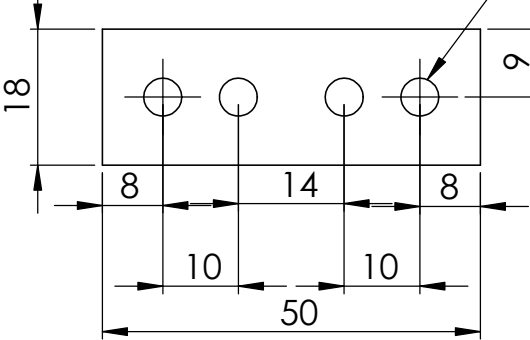
Isometric View



Left View



Front View



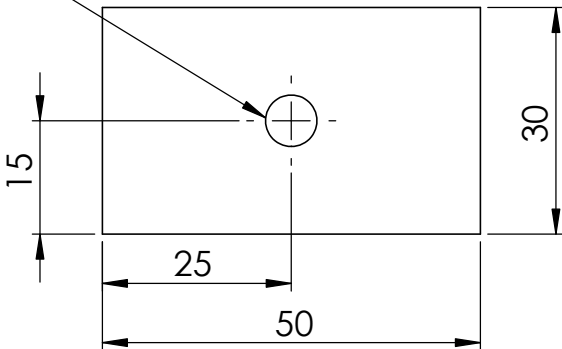
M6 x 1
Tapped hole
Tap length = 8mm



Right View

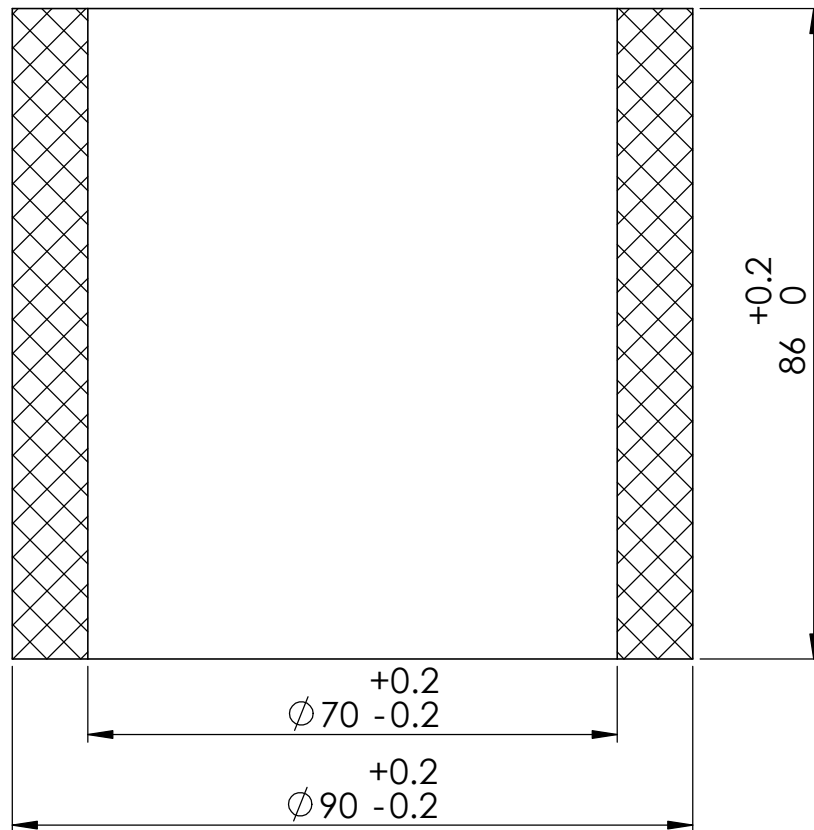
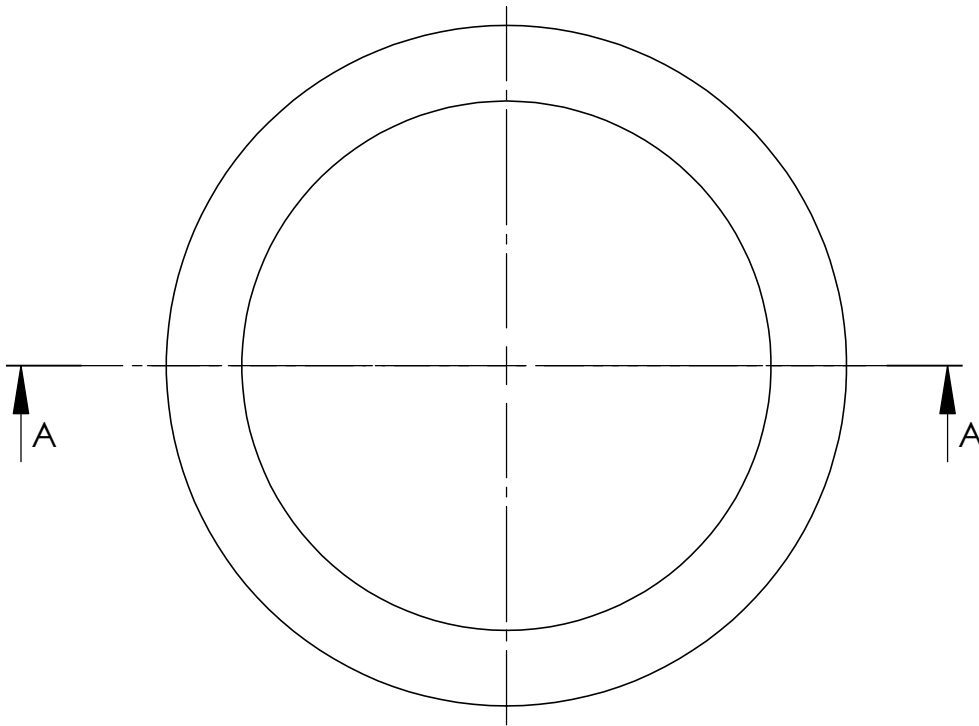
M8 x 1.25
tapped hole
tap length = 7.5mm

Bottom View



1) All dimensions are in mm.

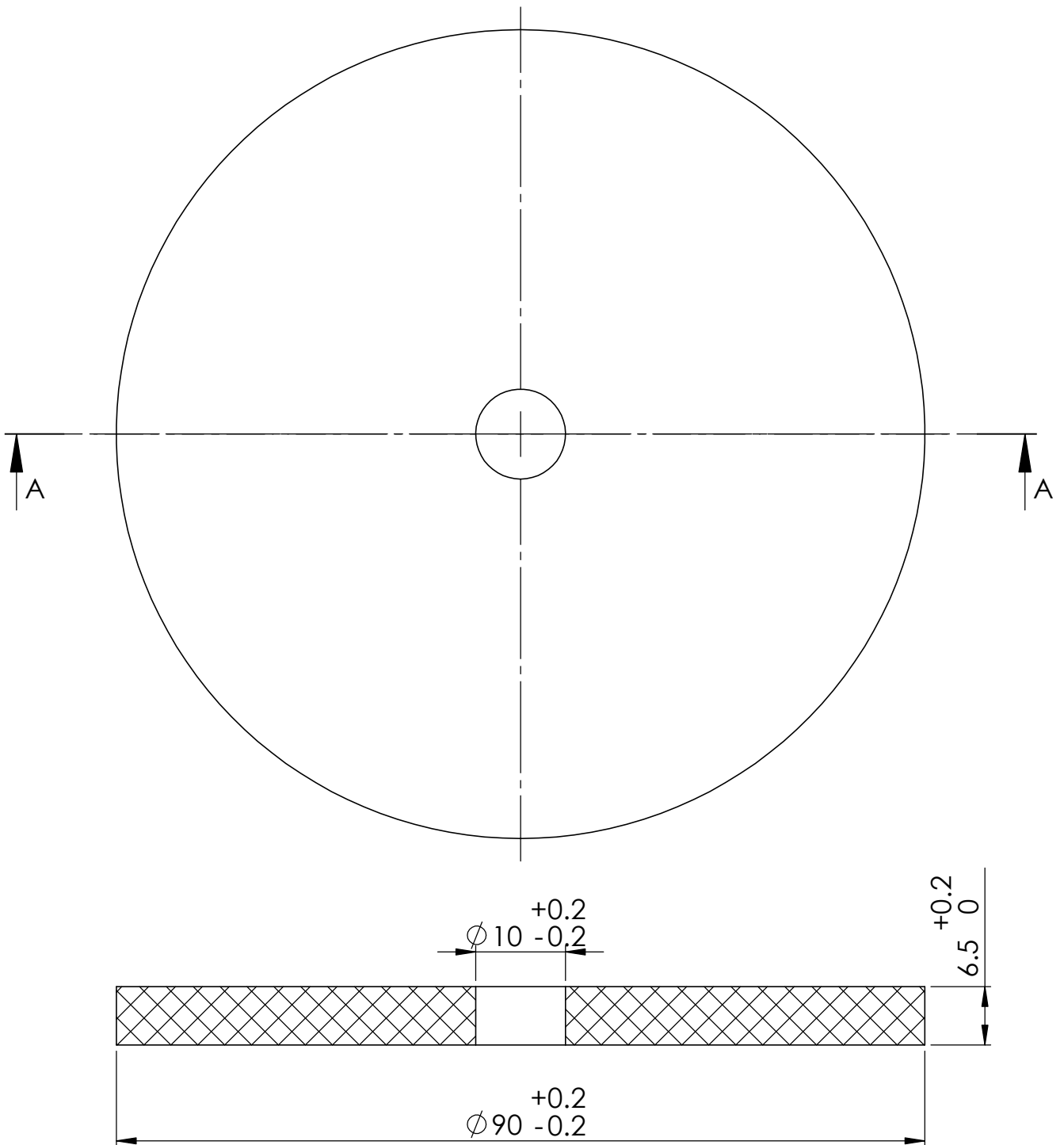
Job No. 8
Material: Acrylic
Quantity: 16 Nos.



SECTION A-A
SCALE 1 : 1

1) All dimensions are in mm.

Job No. 9
Material: Acrylic
Quantity: 32 Nos.



SECTION A-A
SCALE 3 : 2

1) All dimensions are in mm.

Job no 10

ACCESORIES

S.No.	Description of materials	Quantity
1.	M6 x 1mm bolts, Allen head, Length = 35mm. Material: MS	50 Nos.
2.	M6 x 1mm bolts, Allen head, Length = 50mm. Material: MS	50 Nos.
3.	M8 x 1.25mm Countersunk Bolts, Allen head, Length = 30mm, Material: MS	50 Nos.
4.	M10 x 1.5mm bolts, Allen head, Length = 50mm, Material: MS	50 Nos.
5.	M6 x 1mm bolts, Allen head, Length = 25mm. Material: MS	50 Nos.