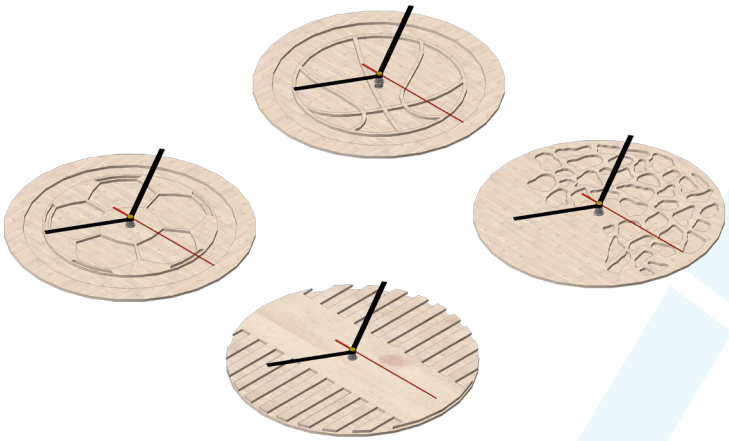
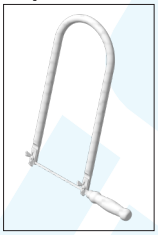
125.645

Design-Wall clock

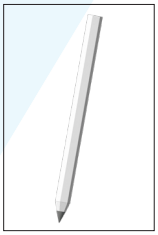
4 possible variations

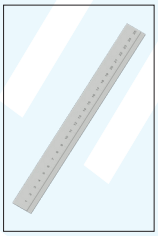


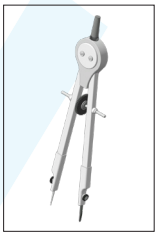
Required tools:

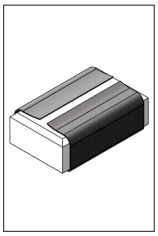

Fret saw

Drill


Pencil


Ruler


Compass


Sanding paper

Wood glue

Central nut wrench (123.218)

Slotted screwdriver

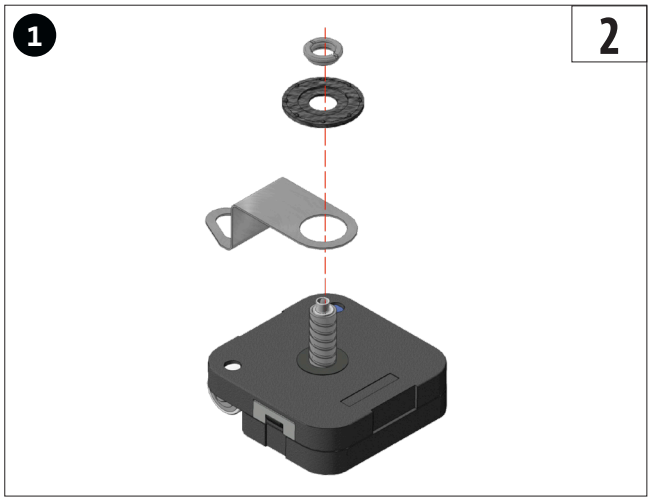
Additionally required:
Battery AA (e.g. 214.456)

NOTICE:

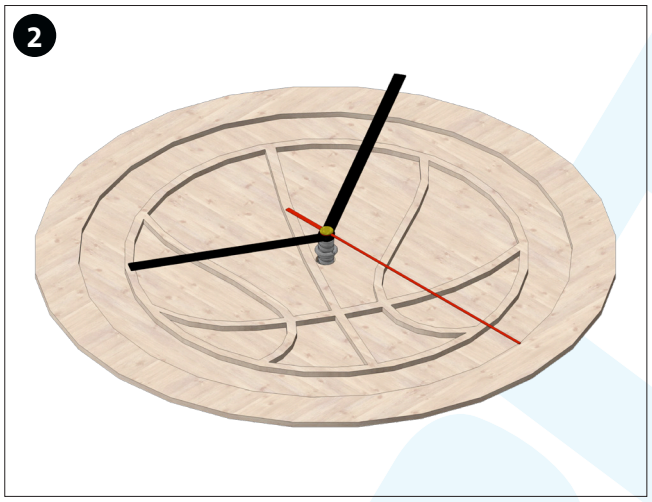
Once completed, the OPITEC work kits are not articles with the character of toys of a generally commercially available type, but teaching and learning aids to support educational work. This kit may only be built and operated by children and young people under the guidance and supervision of competent adults. Not suitable for children under 36 months. Choking hazard!

Bill of material	Quantity	Dimensions (mm)	Designation	Part no.
Plywood panel	1	600 x 300 x 4		1
Watch movement	1		Watch movement	2
Clock hand set	1		Clock hands	3

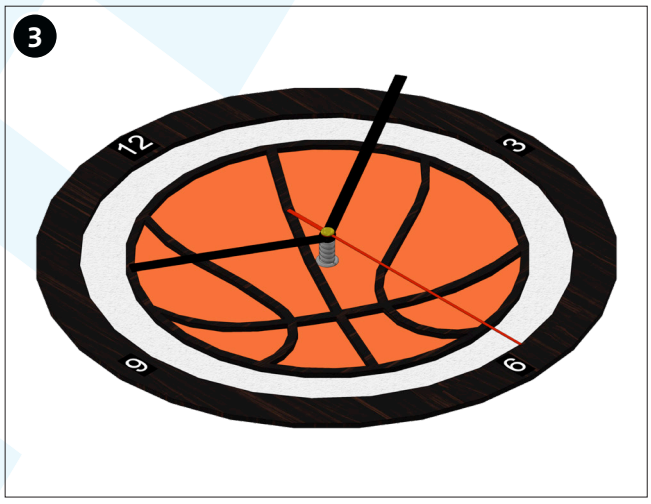
OPITEC



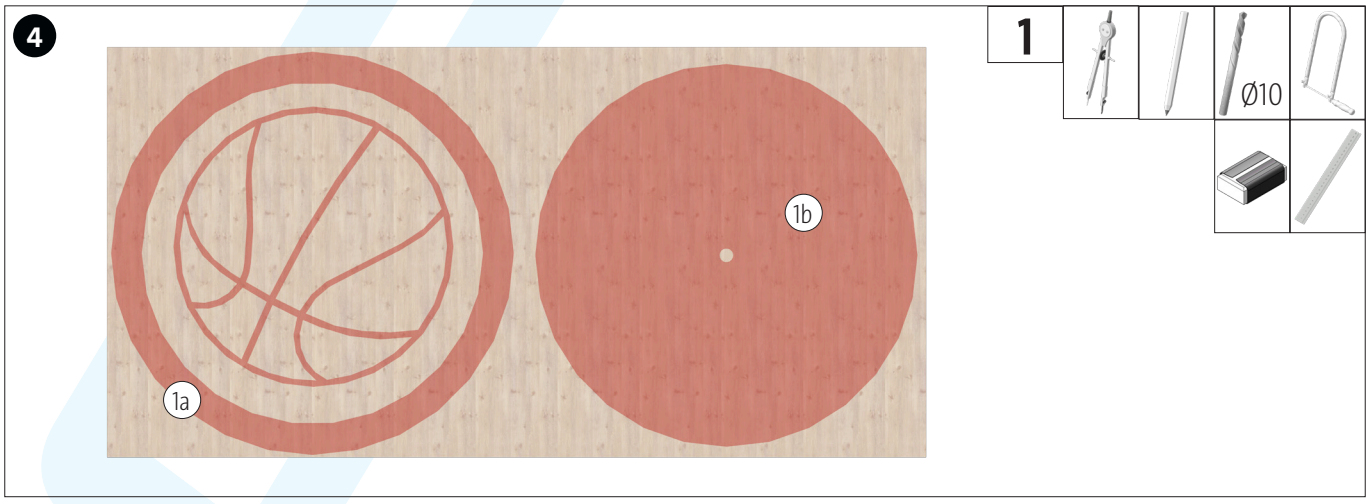
For all variations: The individual parts of the movement (1) are assembled in this order.



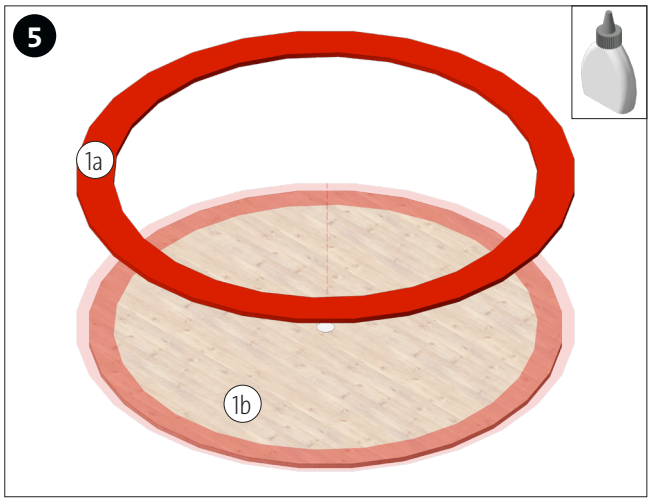
Variation 1 “Basketball”



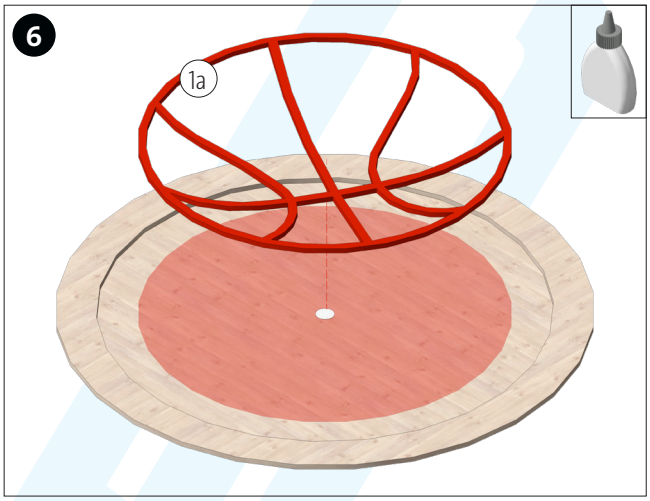
Design suggestion. If you want to paint your clock, you must do this before gluing it together!



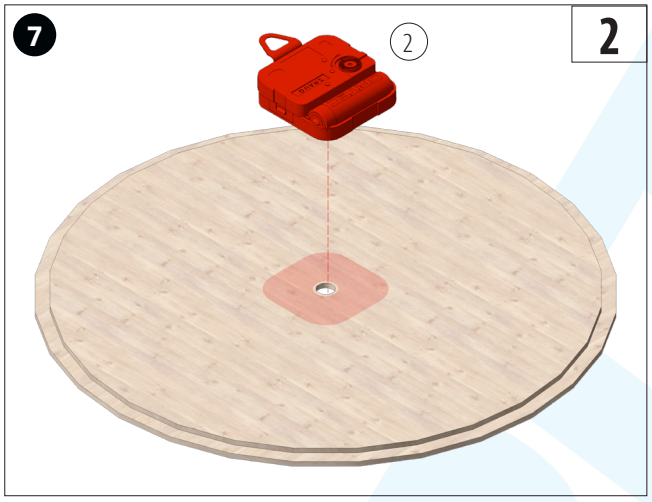
Transfer the “basketball” template to the plywood board, saw out and sand the edges.



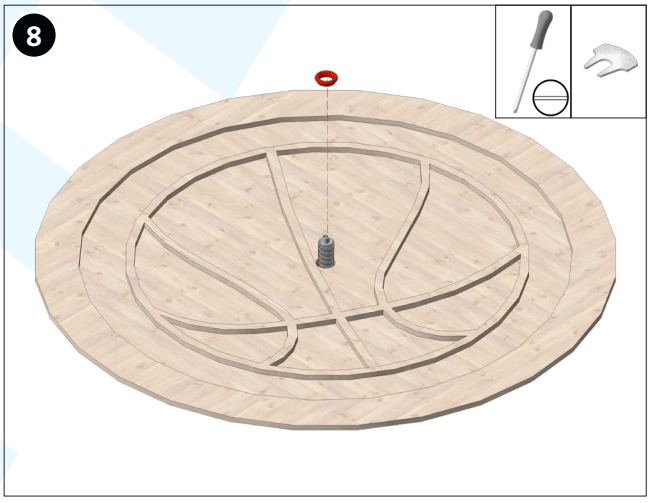
Glue the ring (1a) in the middle of the disk (1b).



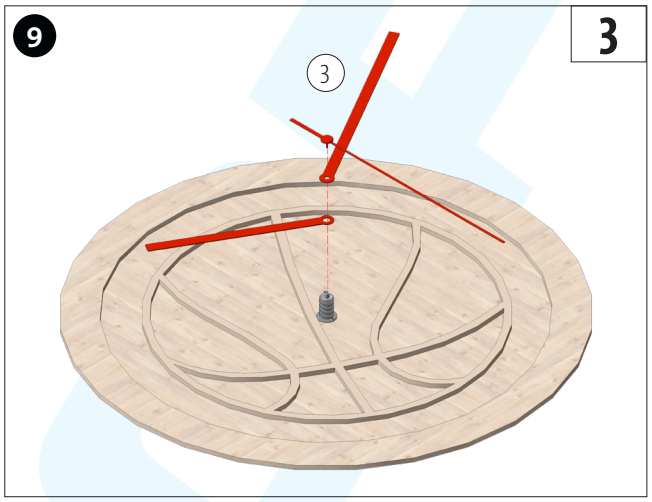
Glue the basketball pattern (1a) to the center of the pane. Do not cover the center hole!



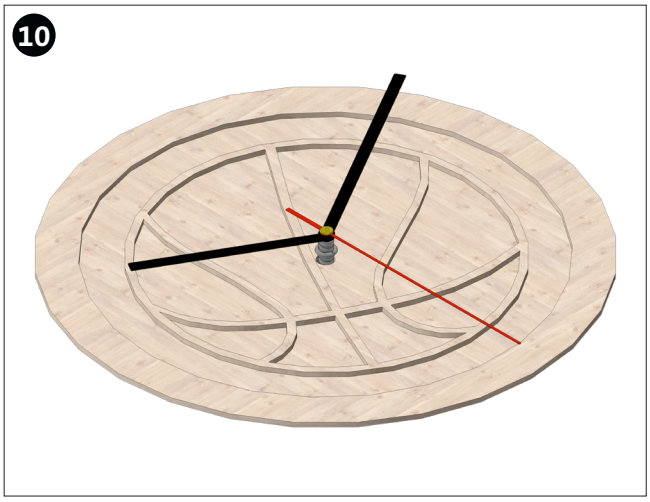
Insert the movement (individual parts as in Fig. 1) through the center hole from the back. The hanger points upwards (towards 12 o'clock)



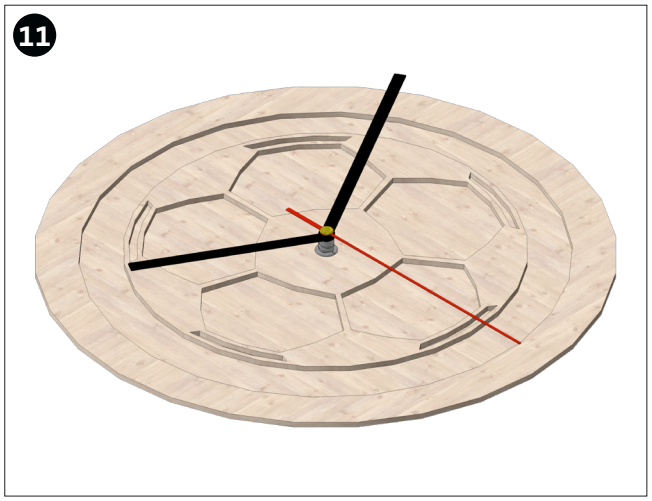
Tighten the movement with the central nut. We recommend using the central nut wrench.



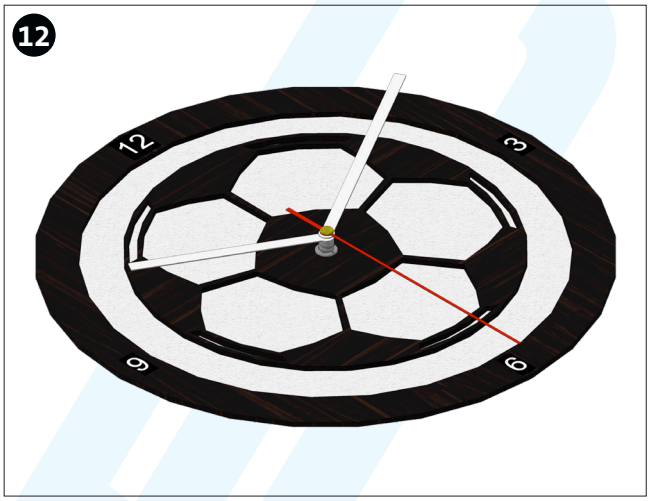
Attach the hand set (3): First the hour hand, then the minute hand, then the second hand.



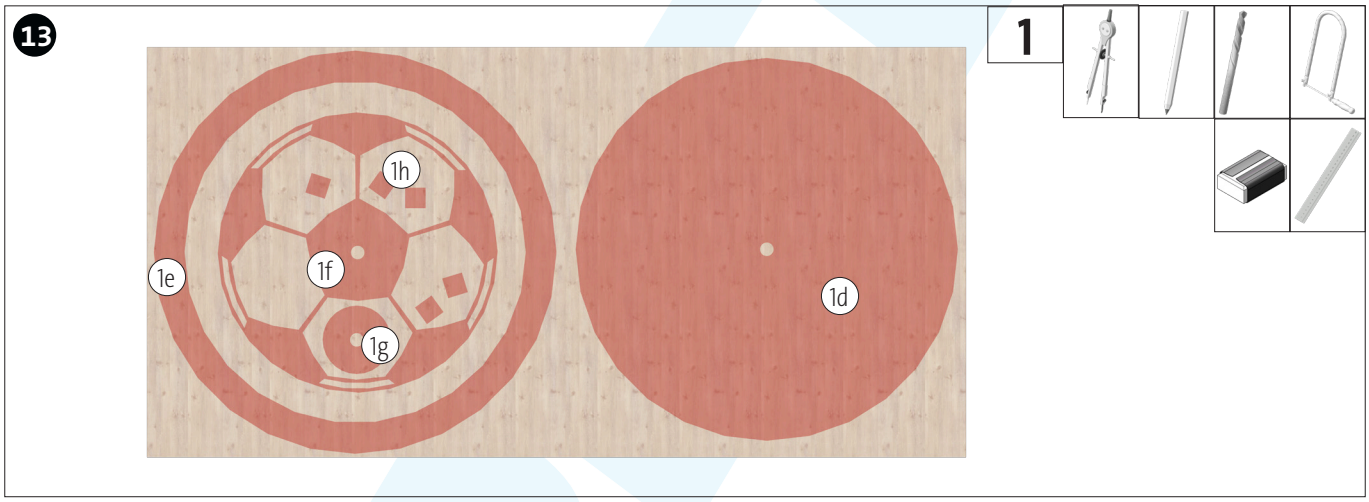
Insert the battery and set the time. That's it!



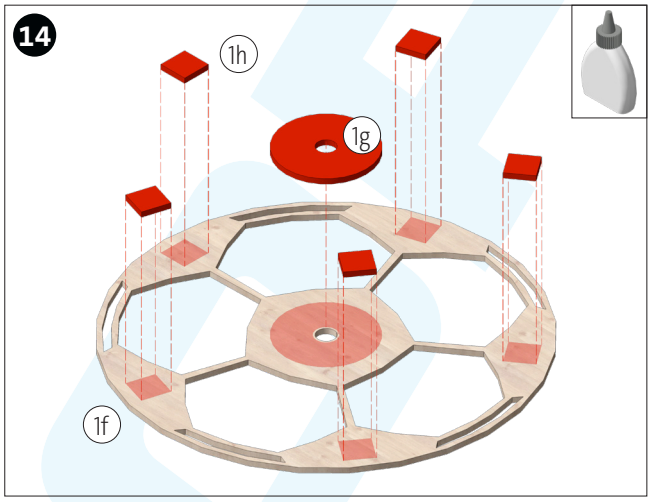
Variation 2 „Soccer“



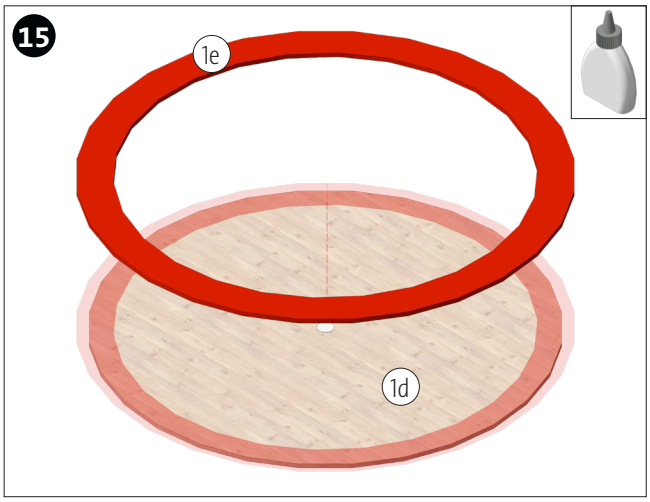
Design suggestion. If you want to paint your clock, you must do this before gluing it together!



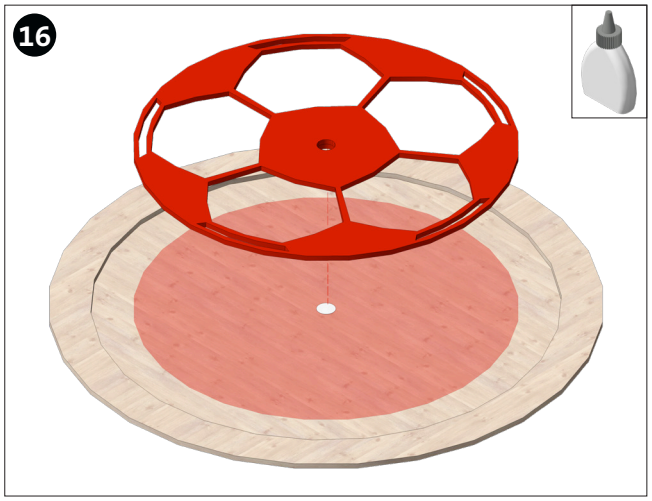
Transfer the “soccer” template to the plywood board, saw out and sand the edges.



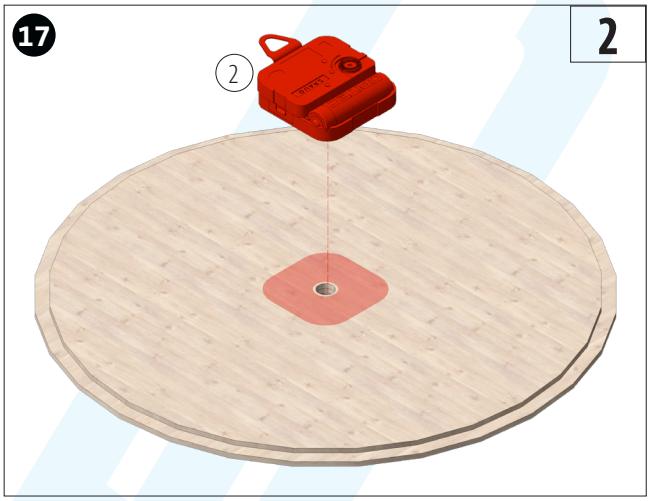
Glue the spacer plates (1g, 1h, 1f) in the positions shown. Make sure that the holes in the middle one are exactly aligned!



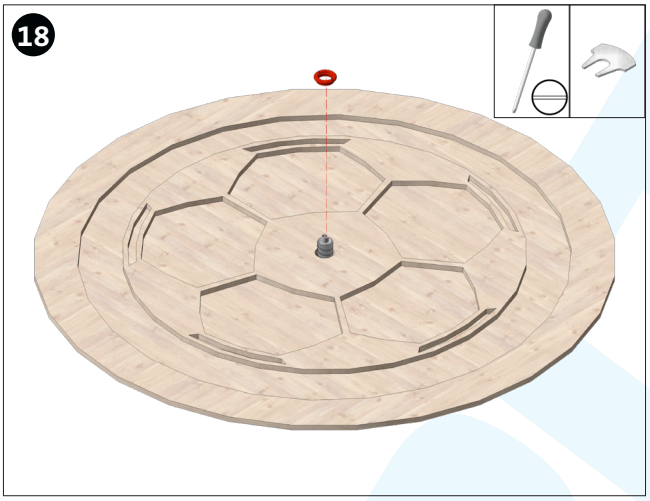
Glue the ring (1e) onto the center of the disc (1d)



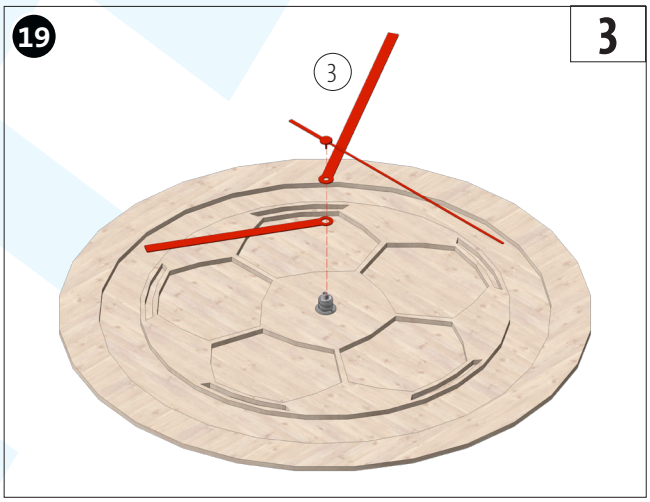
Glue the soccer pattern (1f) from Fig. 14 in the middle, the center holes must be exactly on top of each other!



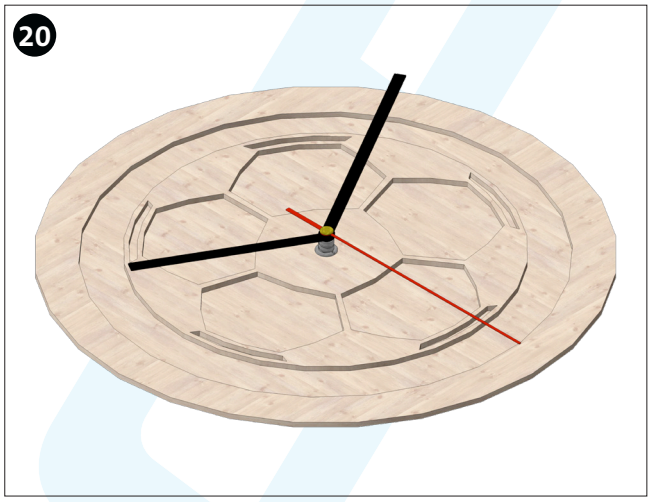
Insert the movement (individual parts as in Fig. 1) through the center hole from the back. The hanger points upwards (towards 12 o'clock)



Tighten the movement with the central nut. We recommend using the central nut wrench.

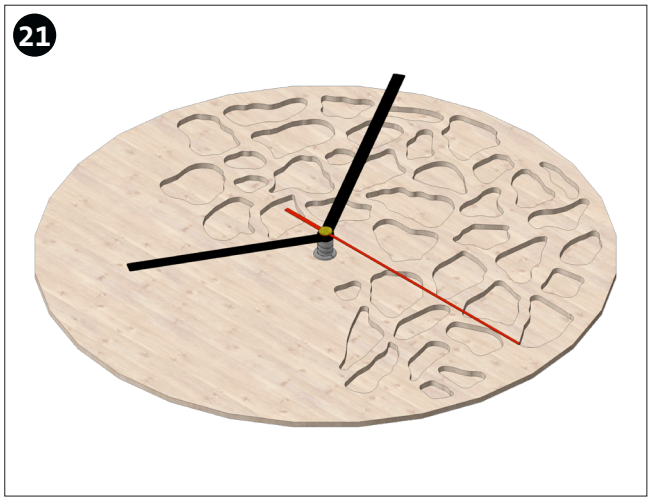


Attach the hand set (3): First the hour hand, then the minute hand, then the second hand.

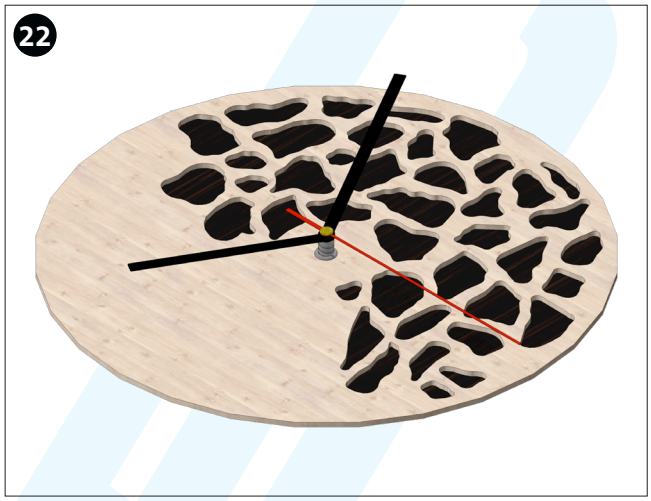


Insert the battery and set the time. That's it!

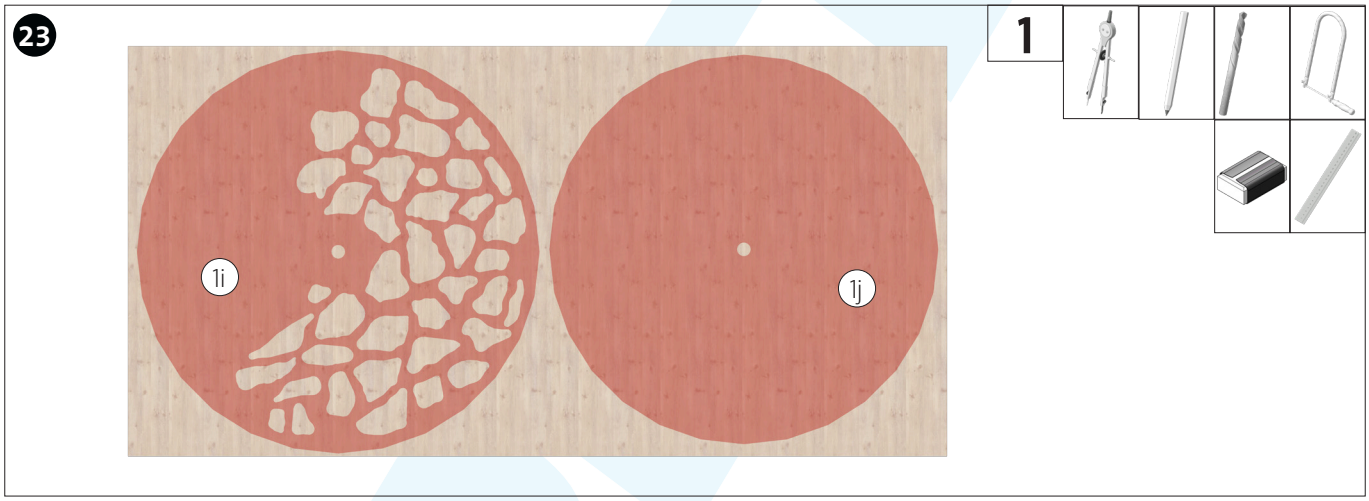
OPITEC



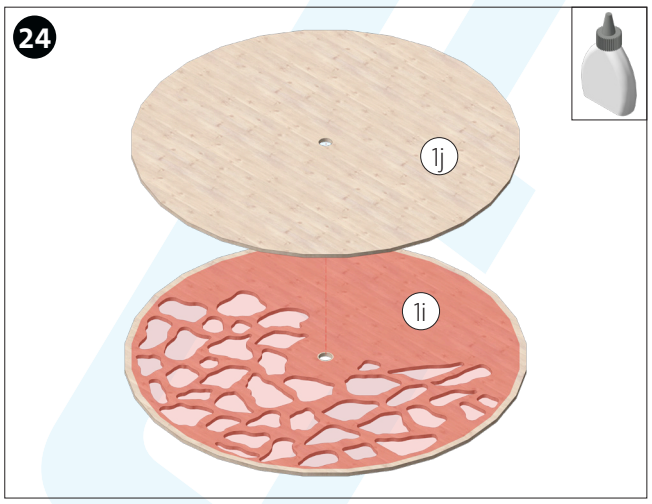
Variation 3 “Pebbles”



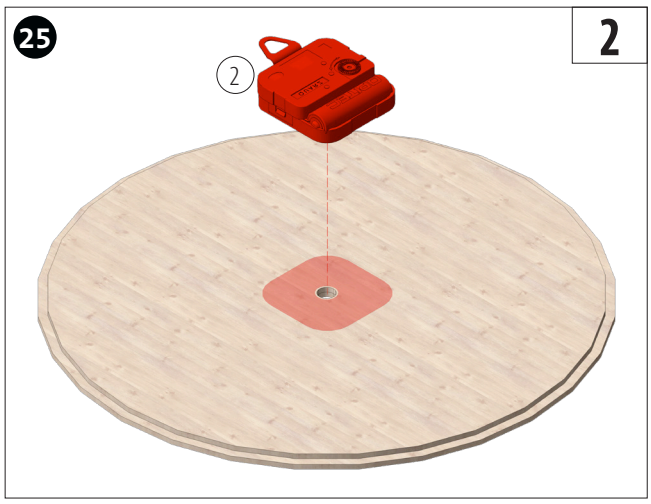
Design suggestion. If you want to paint your clock, you must do this before gluing it together!



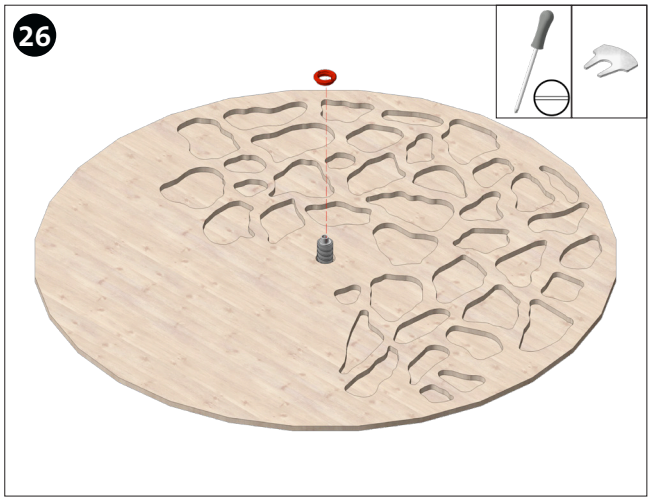
Transfer the “pebbles” template to the plywood board, saw out and sand the edges.



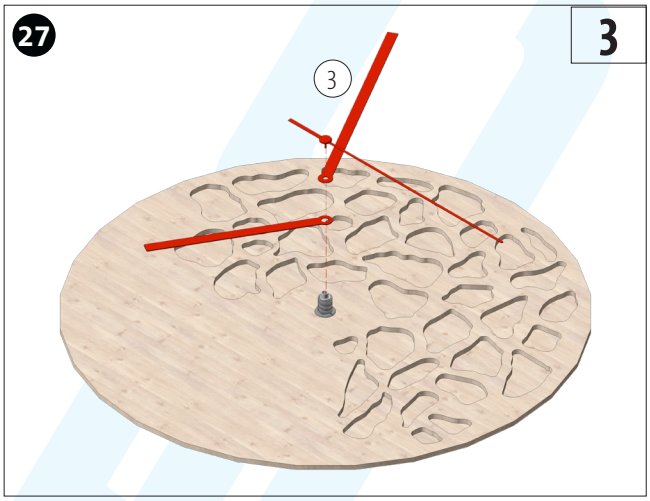
Glue the wooden disks (1i and 1j) together in the middle. The center holes must lie exactly on top of each other!



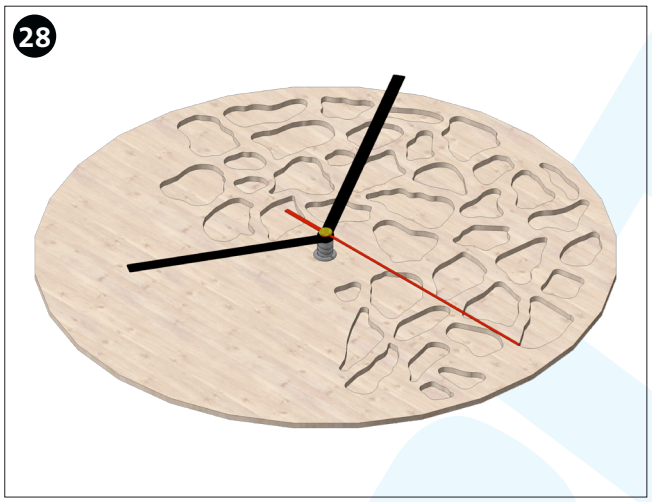
Insert the movement (individual parts as in Fig. 1) through the center hole from the back. The hanger points upwards (towards 12 o‘clock)



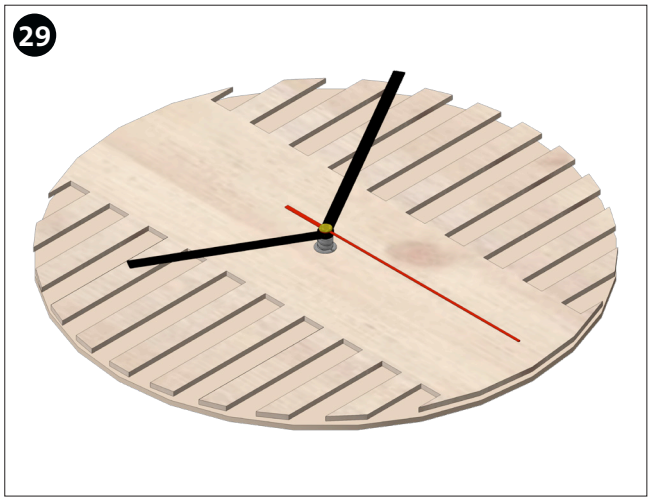
Tighten the movement with the central nut. We recommend using the central nut wrench.



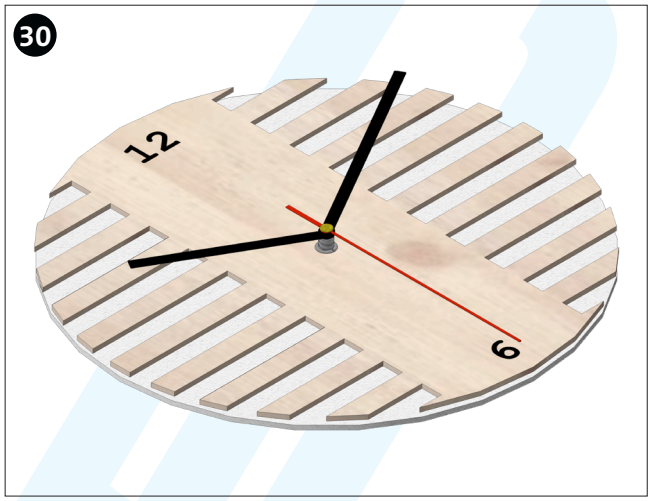
Attach the hand set (3): First the hour hand, then the minute hand, then the second hand.



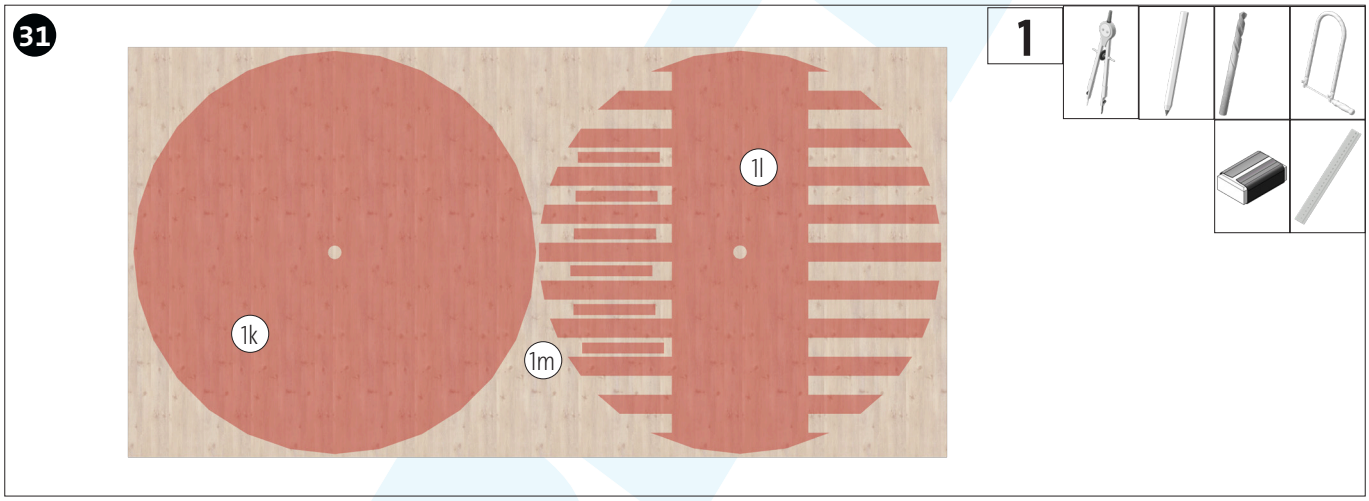
Insert the battery and set the time. That's it!



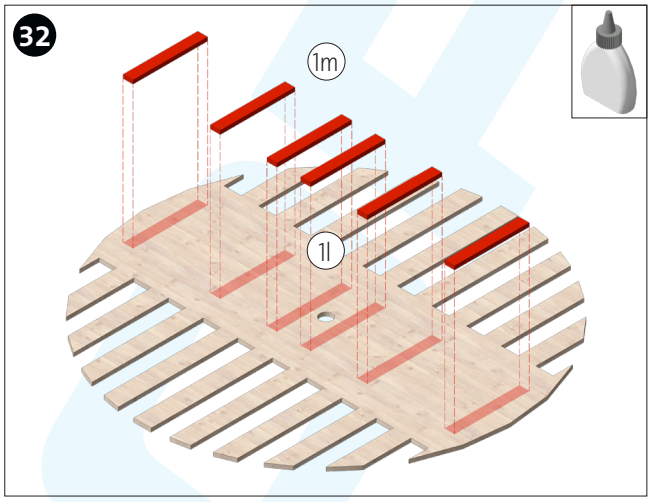
Variation 4 “Stripes”



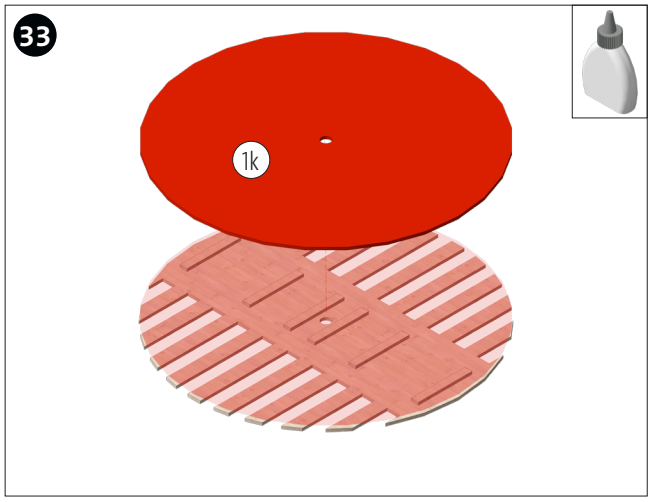
Design suggestion. If you want to paint your clock, you must do this before gluing it together!



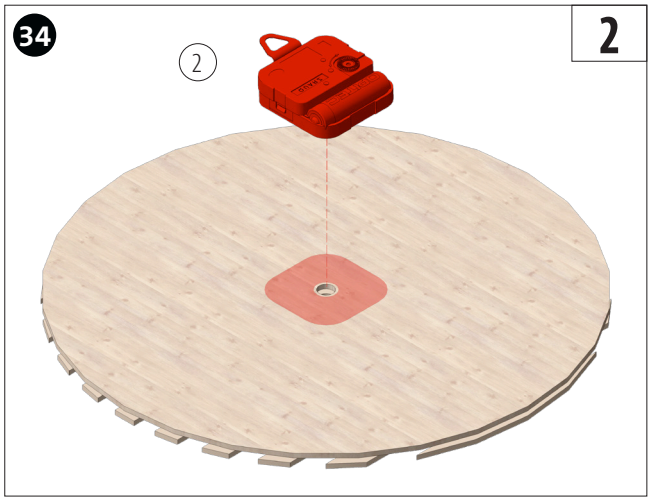
Transfer the “Stripes” template to the plywood panel, saw out and sand the edges.



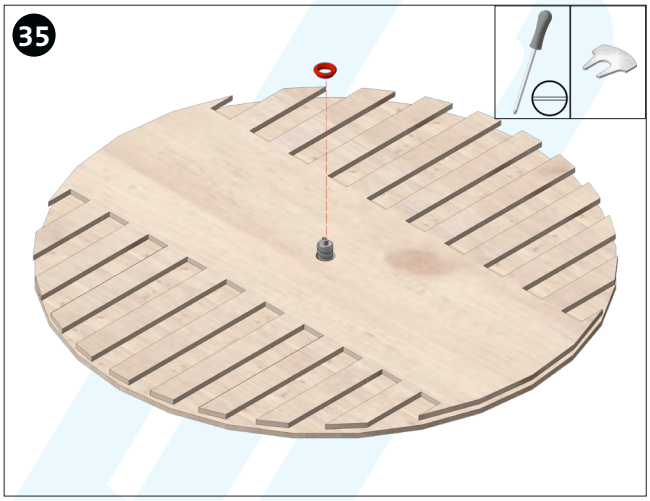
Glue the wooden strips (1m) as spacers at the positions shown, do not cover the center hole!



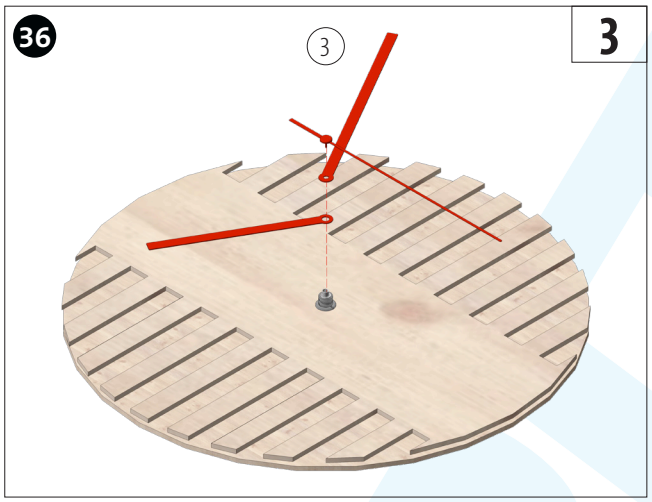
Glue the wooden panel (1k) centrally onto the spacers, the center holes must be exactly aligned!



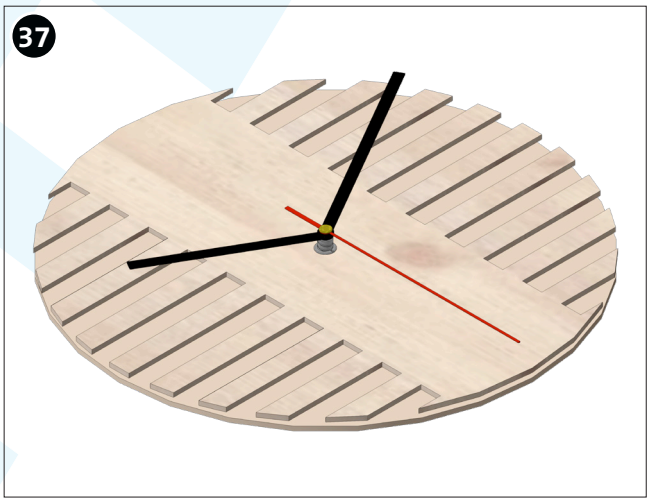
Insert the movement (individual parts as in Fig. 1) through the center hole from the back. The hanger points upwards (towards 12 o'clock)



Tighten the movement with the central nut. We recommend using the central nut wrench.

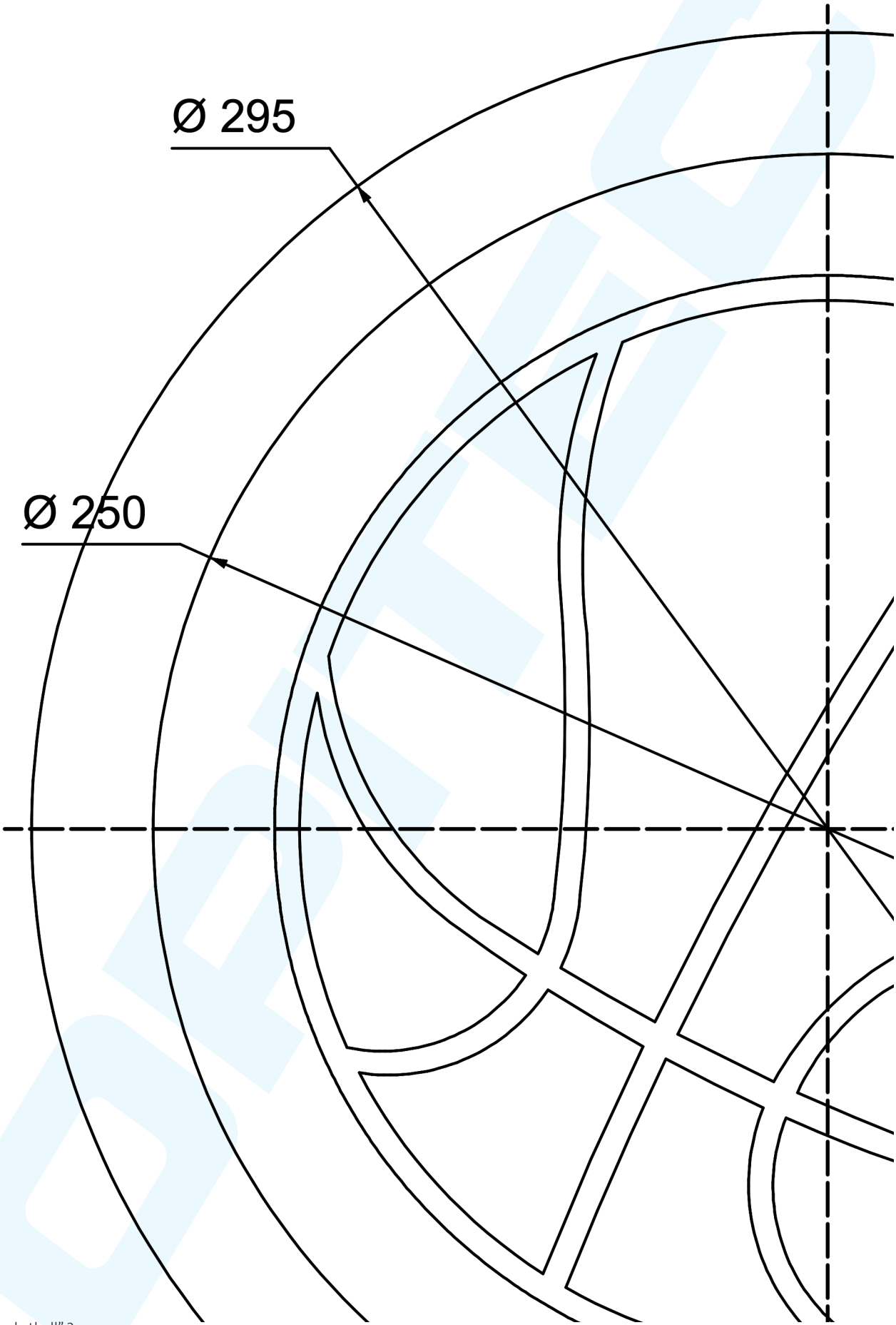


Attach the hand set (3): First the hour hand, then the minute hand, then the second hand.

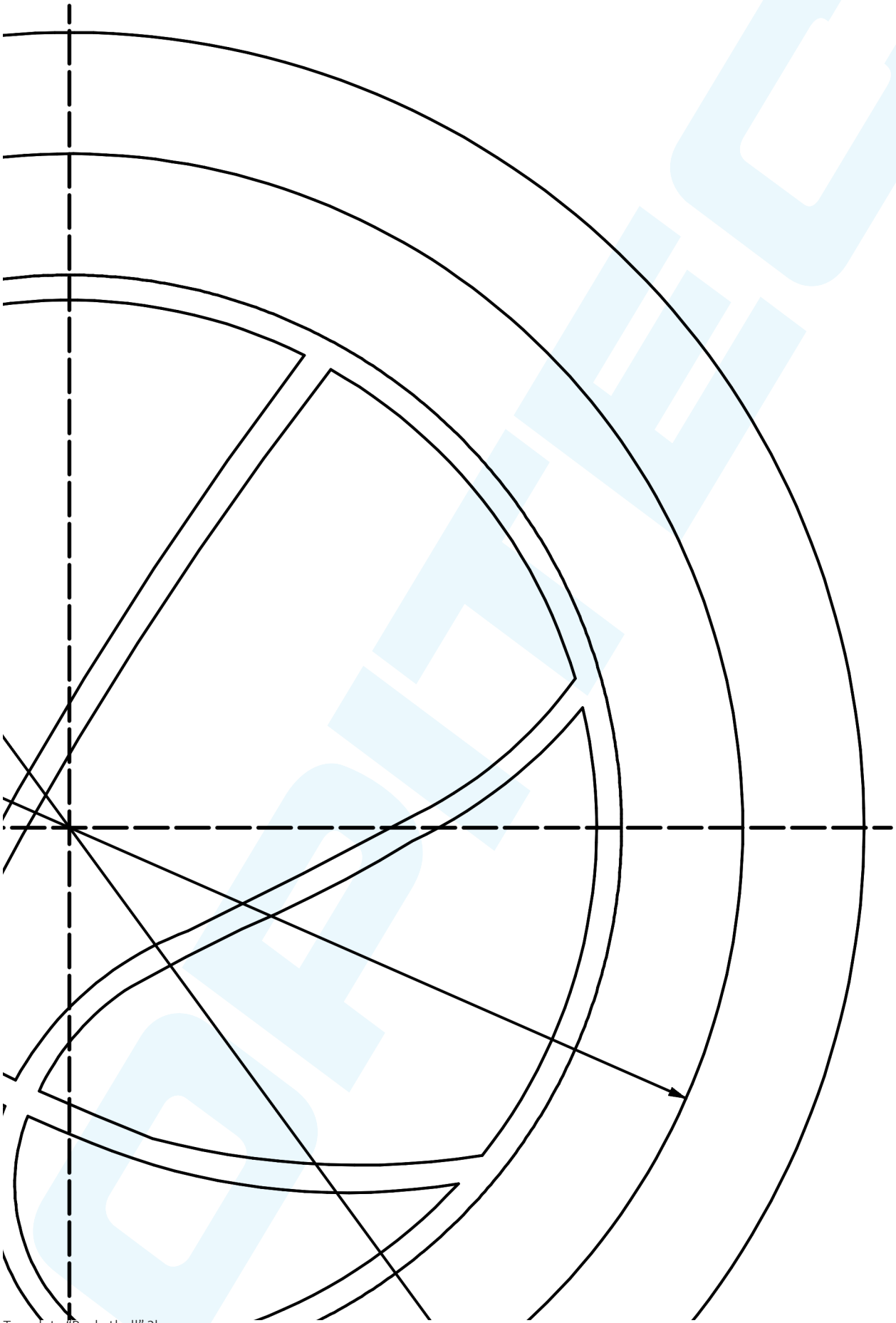


Insert the battery and set the time. That's it!

OPITEC

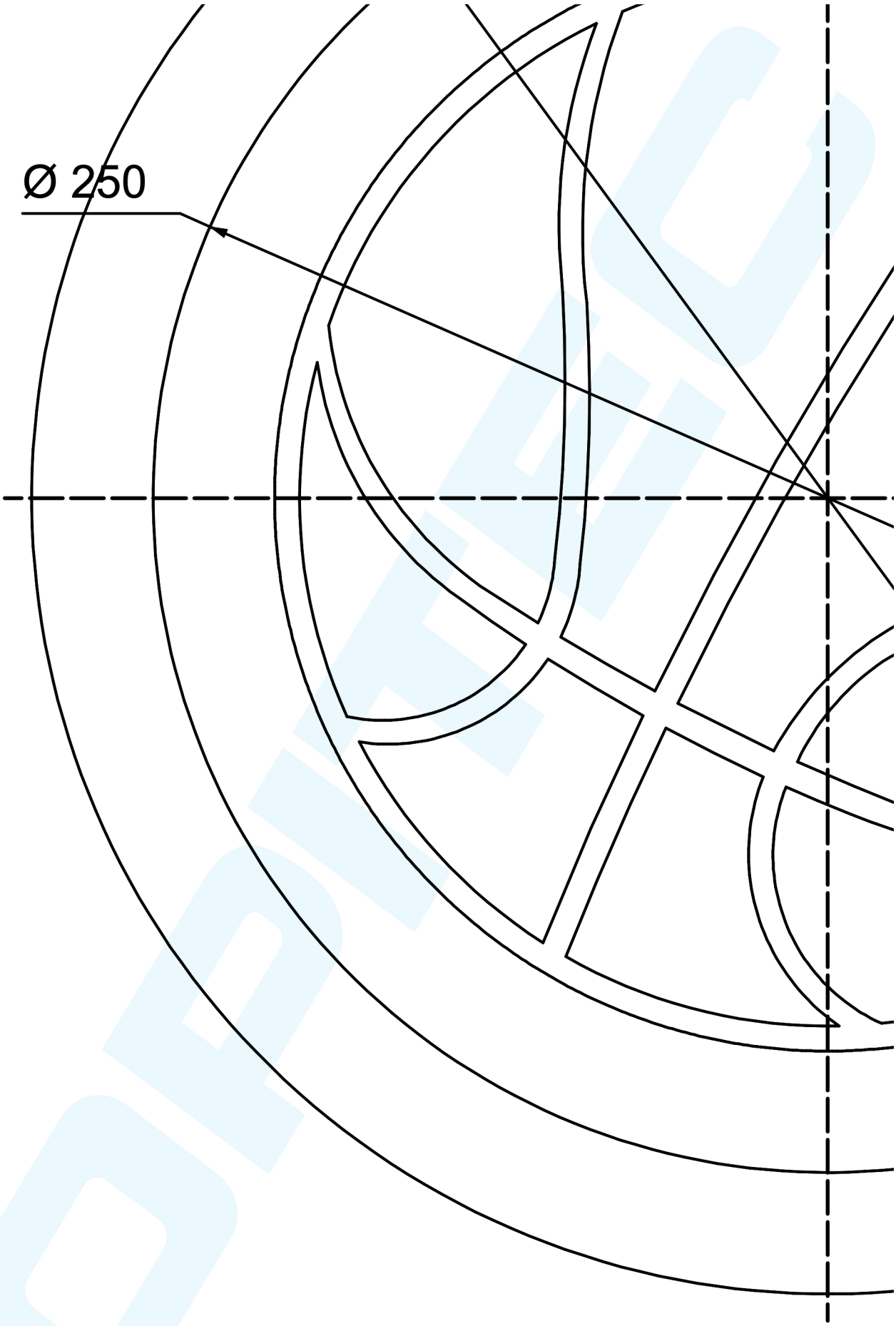

Ø 295
Ø 250

OPITEC



OPITEC

OPITEC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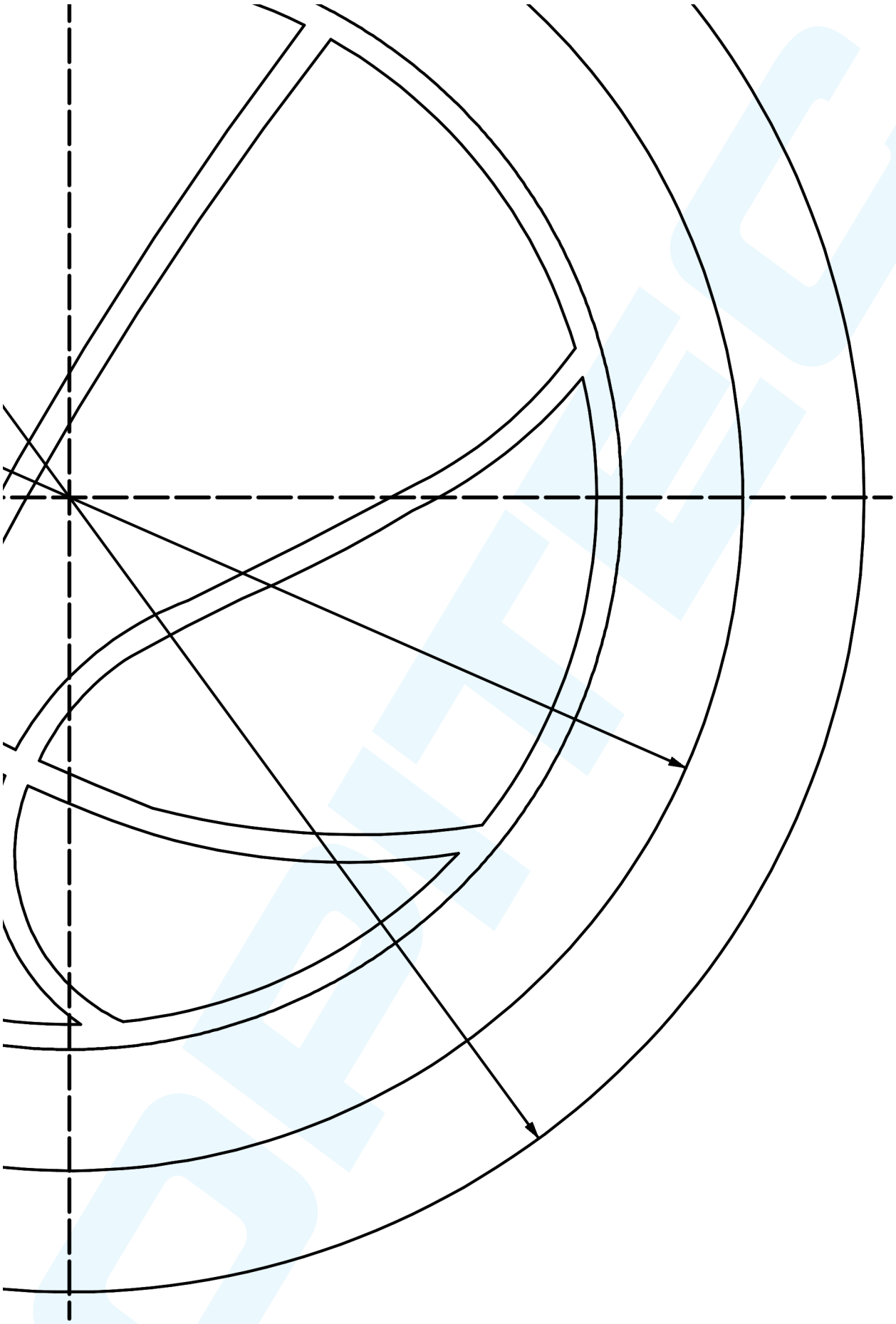

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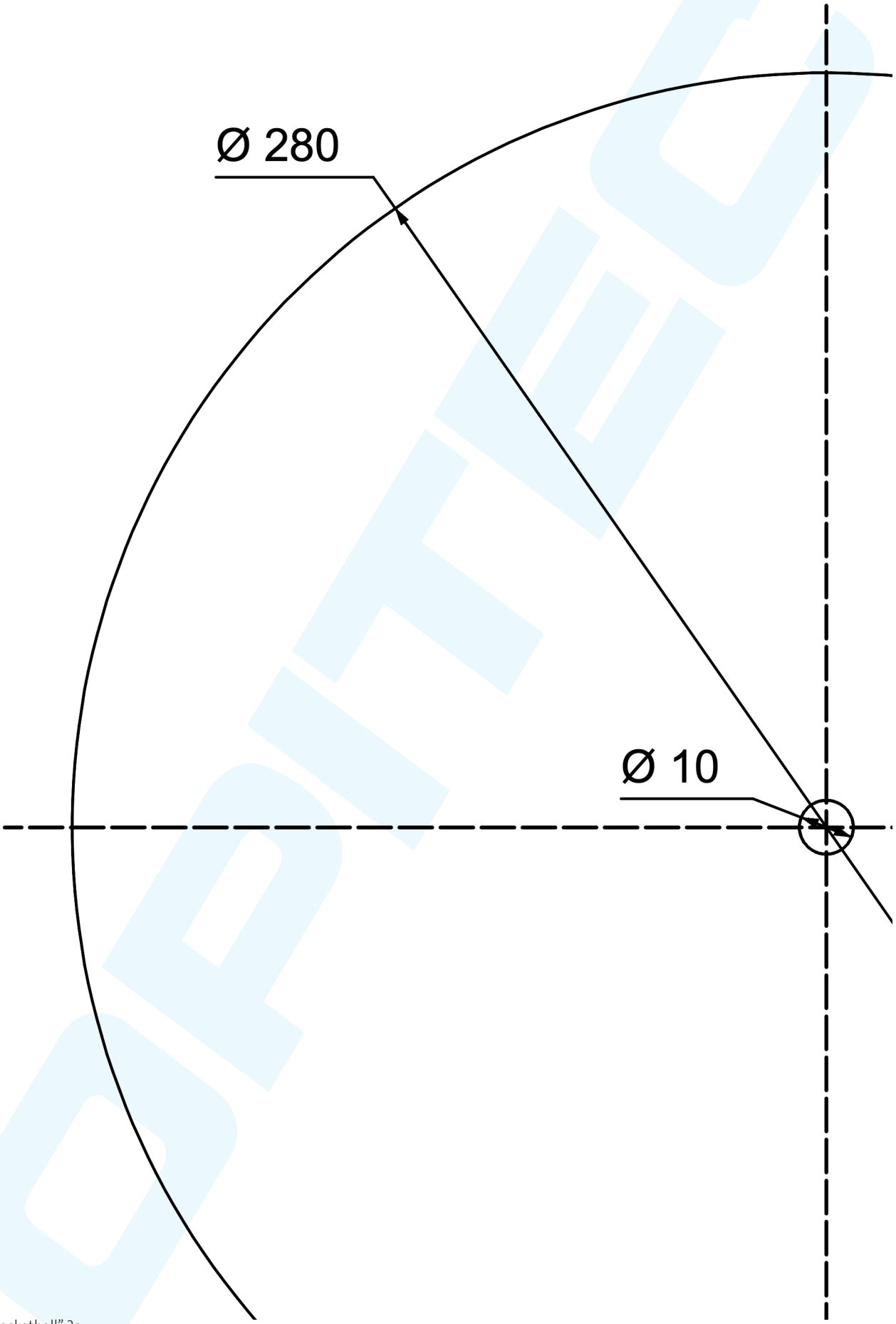
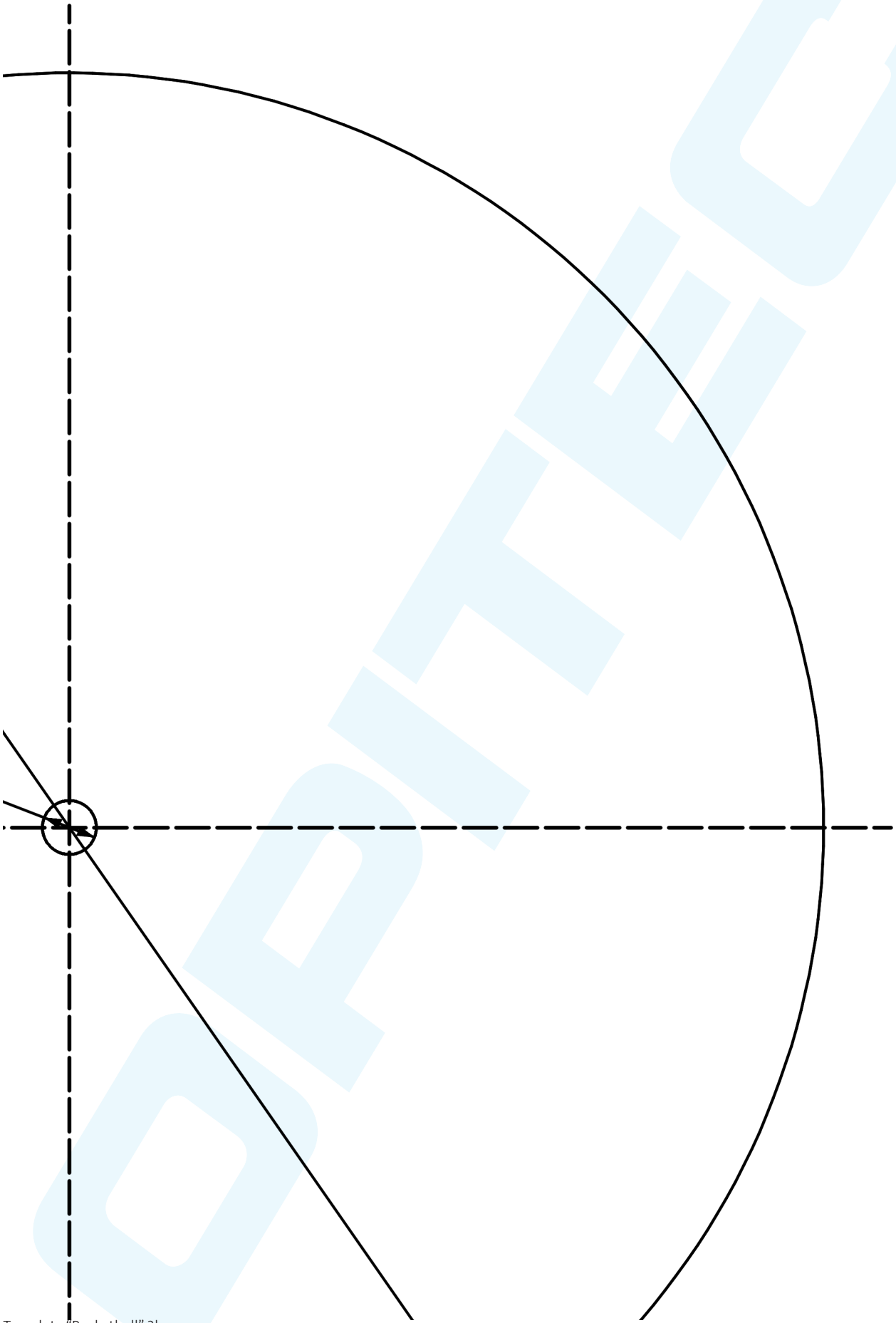

Ø 280
Ø 10

OPITEC



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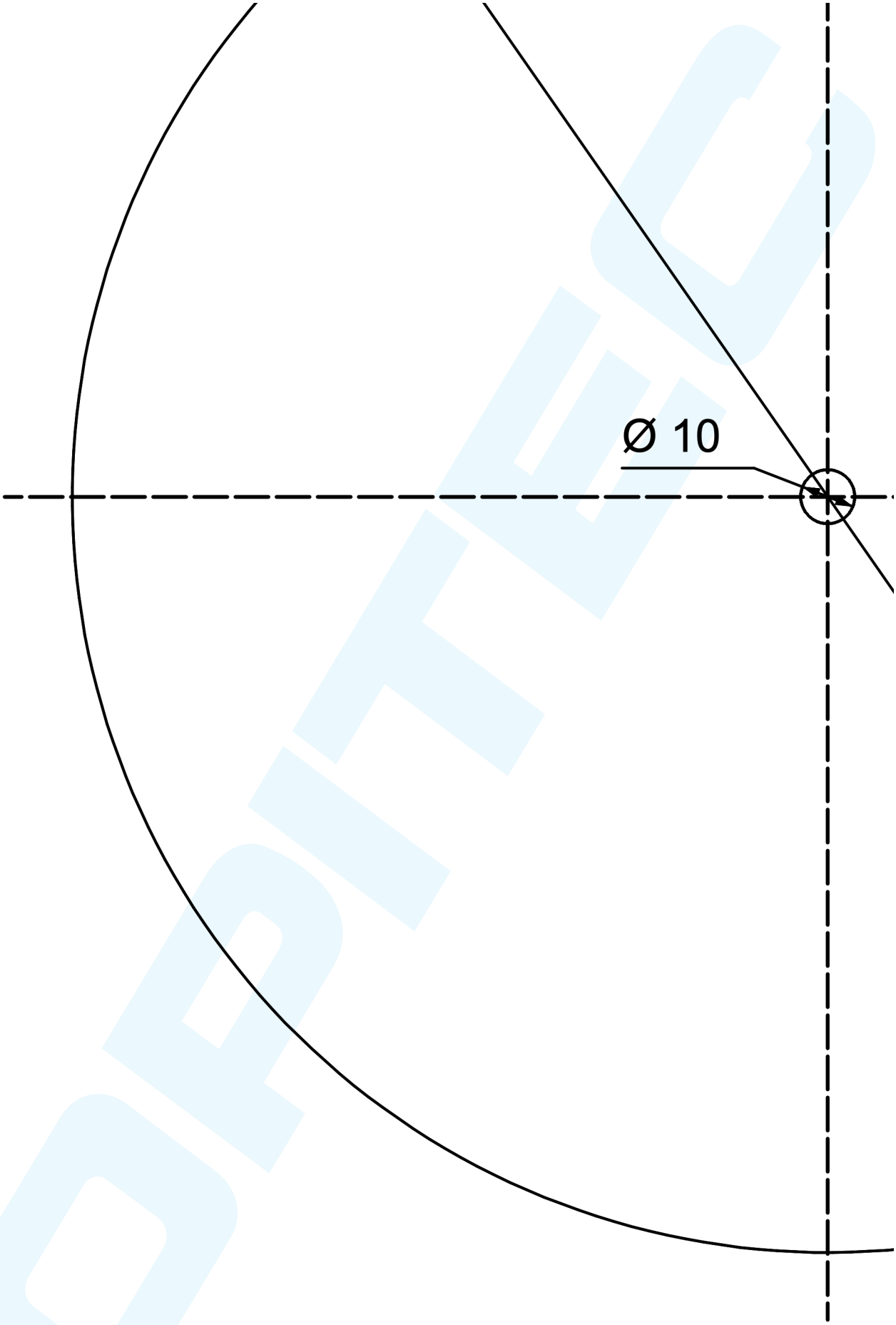
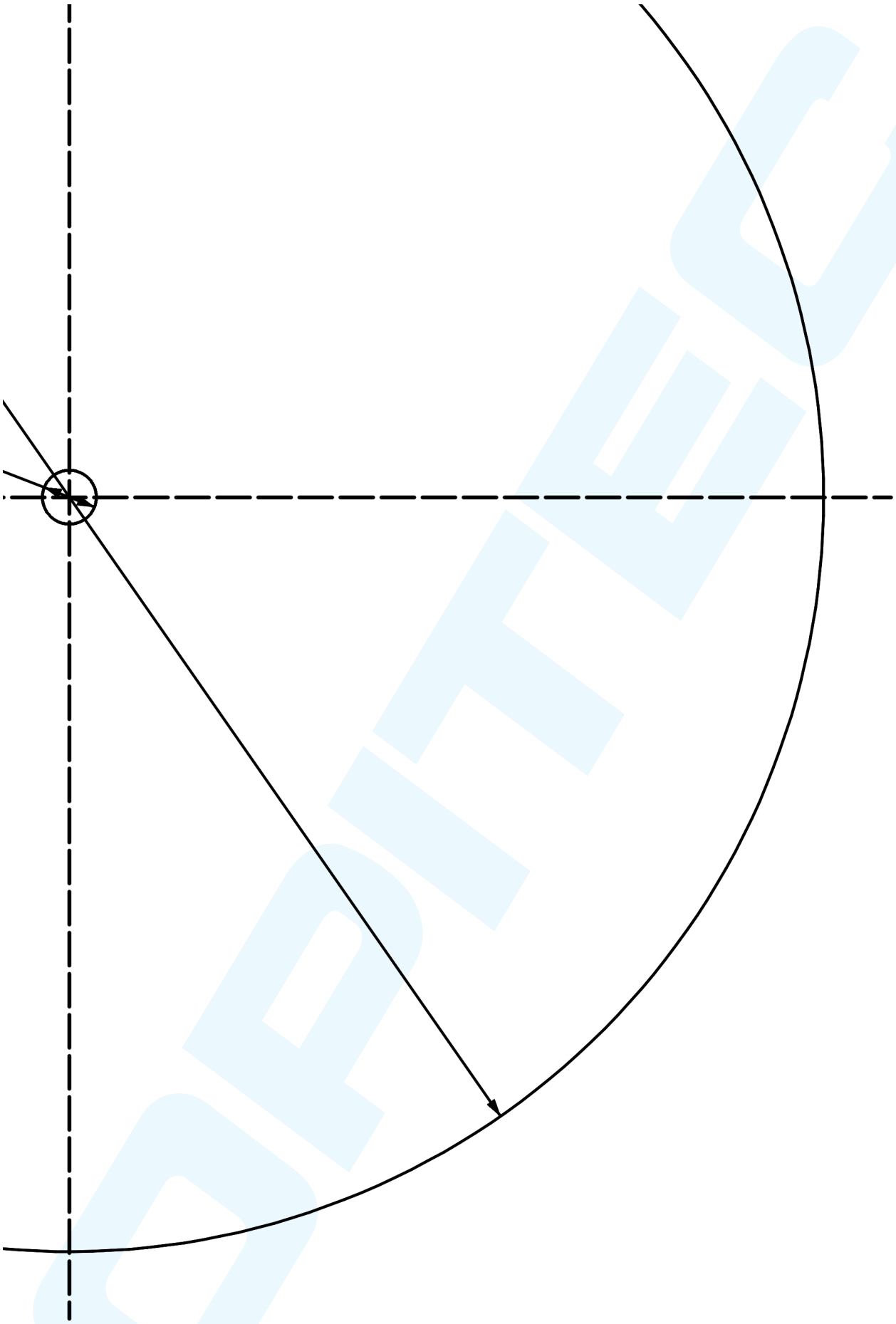

Ø 10

OPITEC



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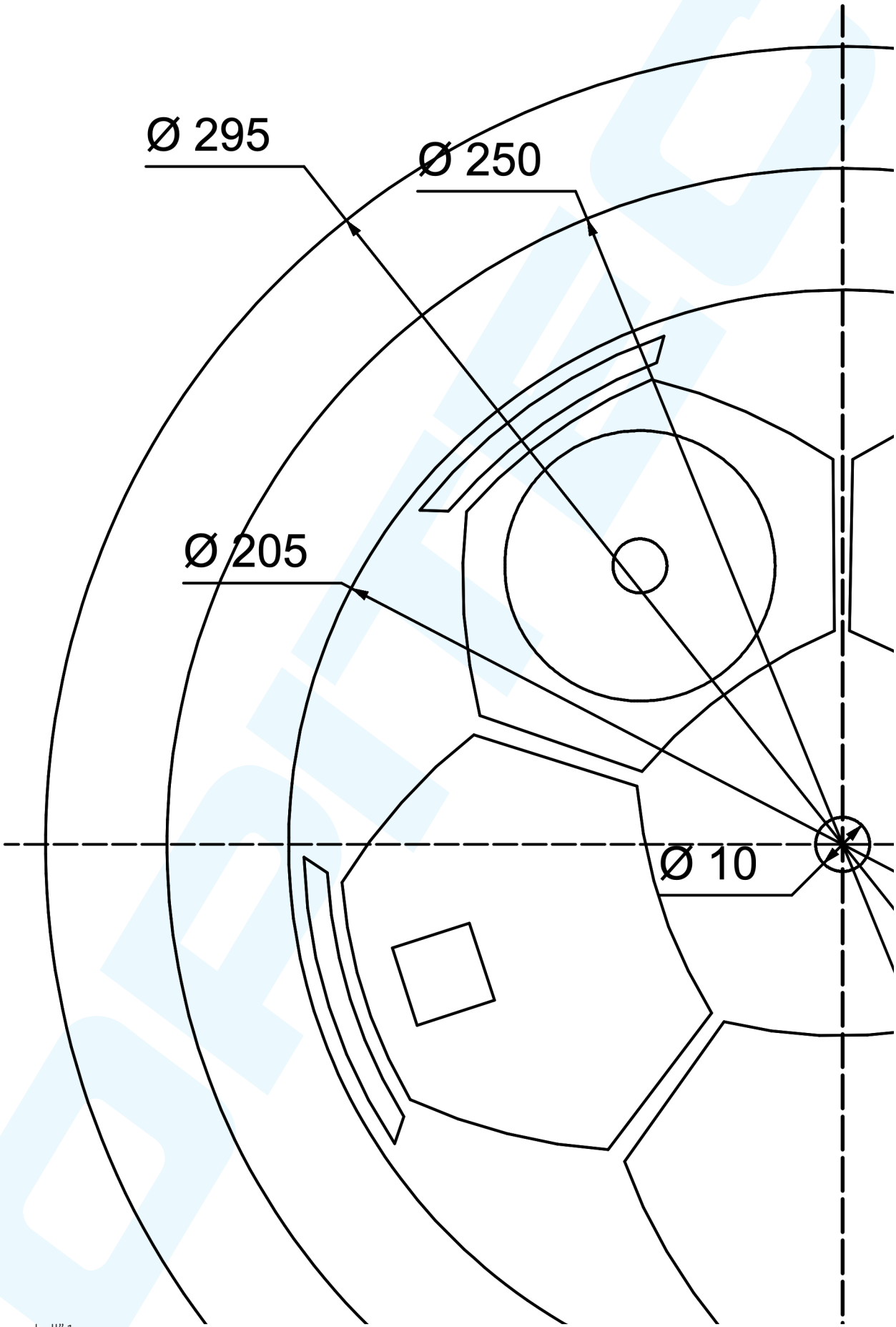

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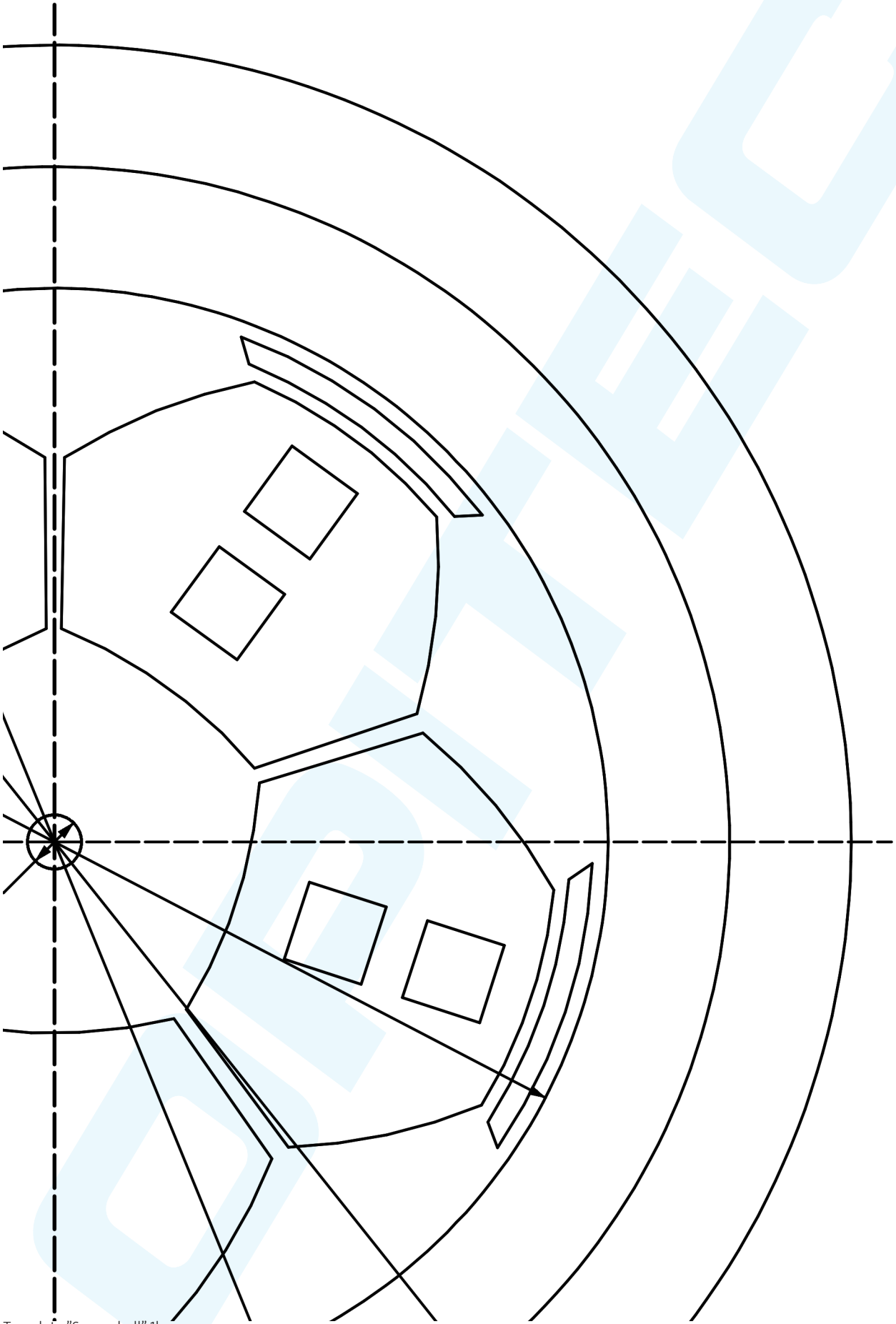
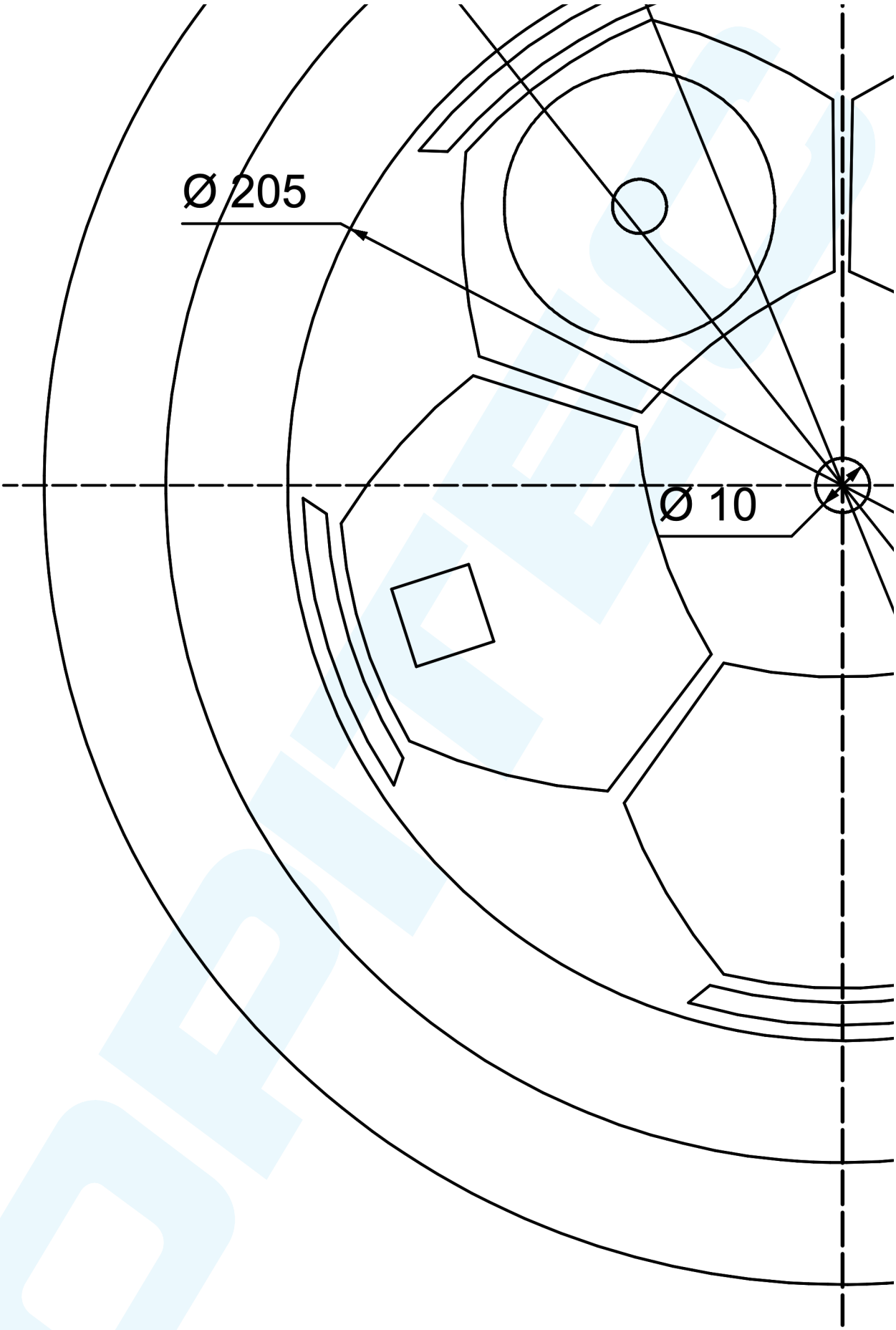


Template "Soccer ball" 1b

OPITEC

OPITEC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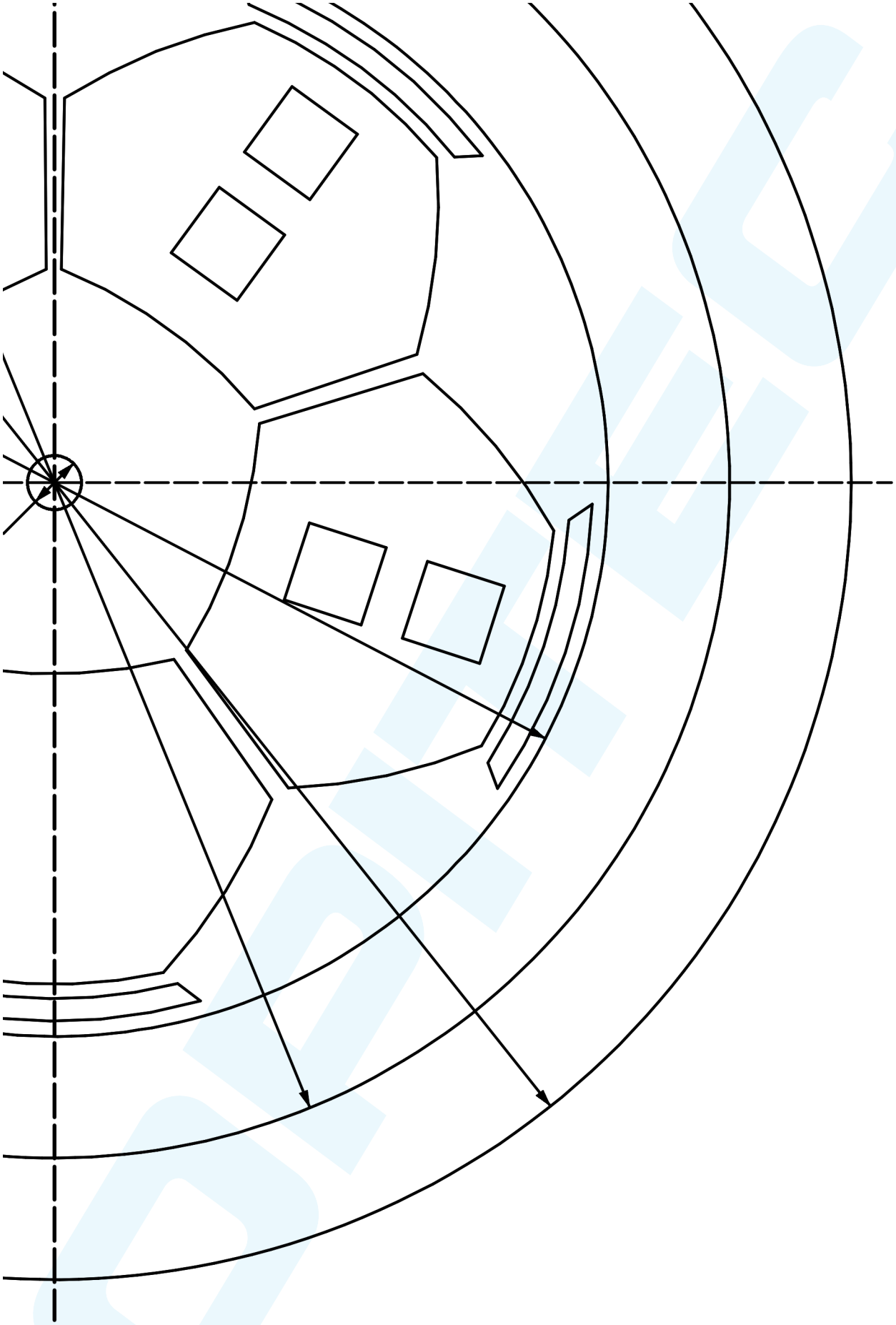

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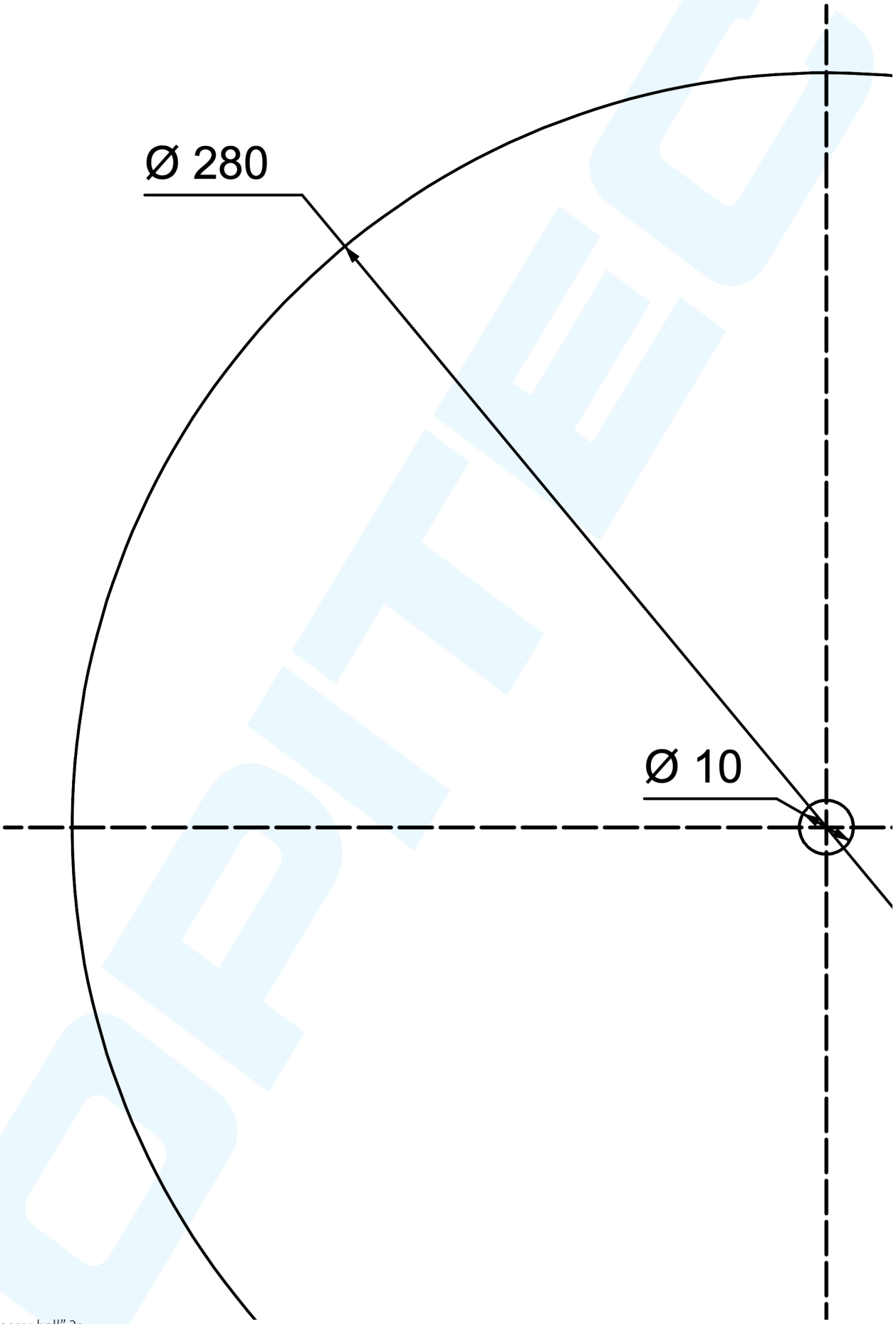

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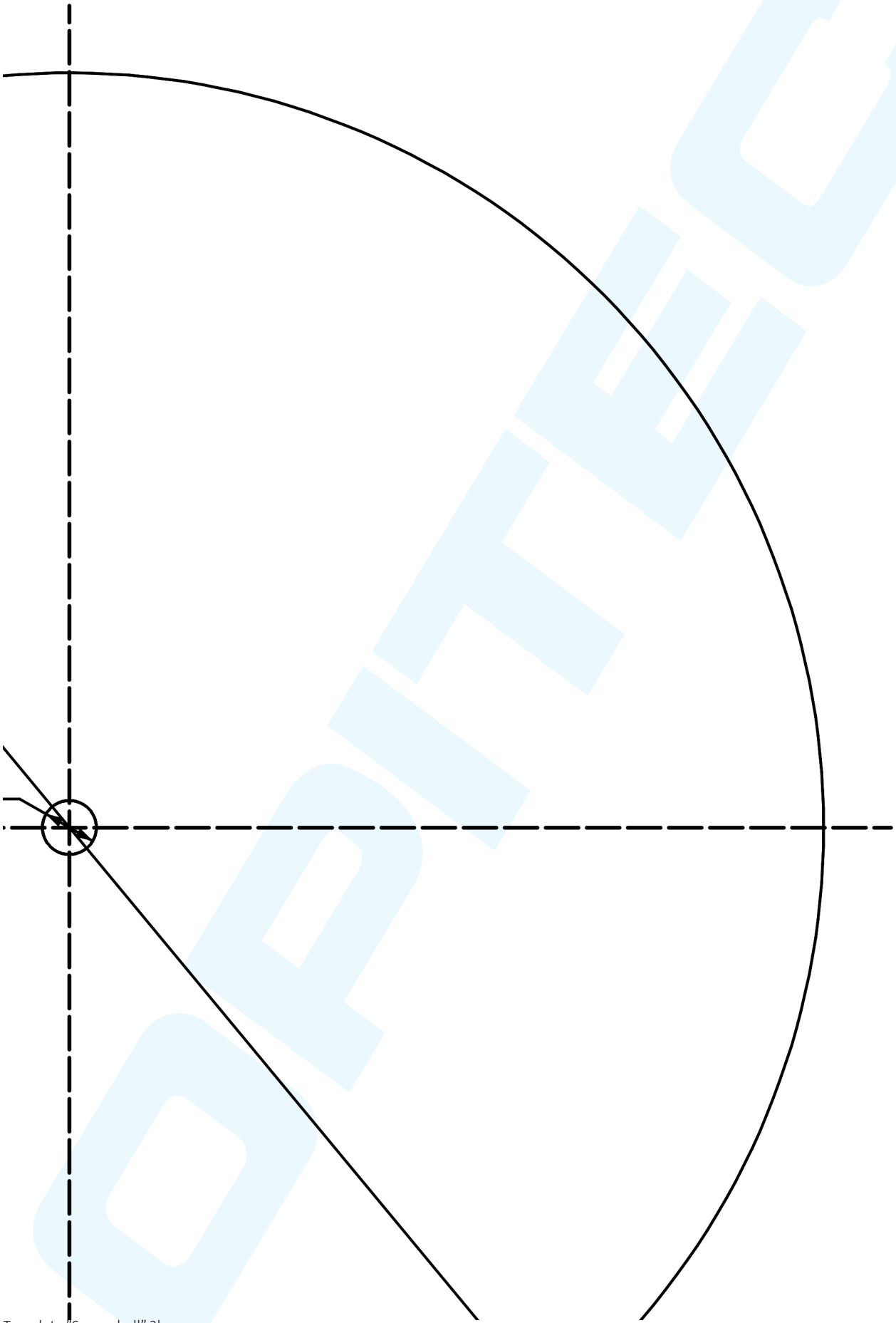

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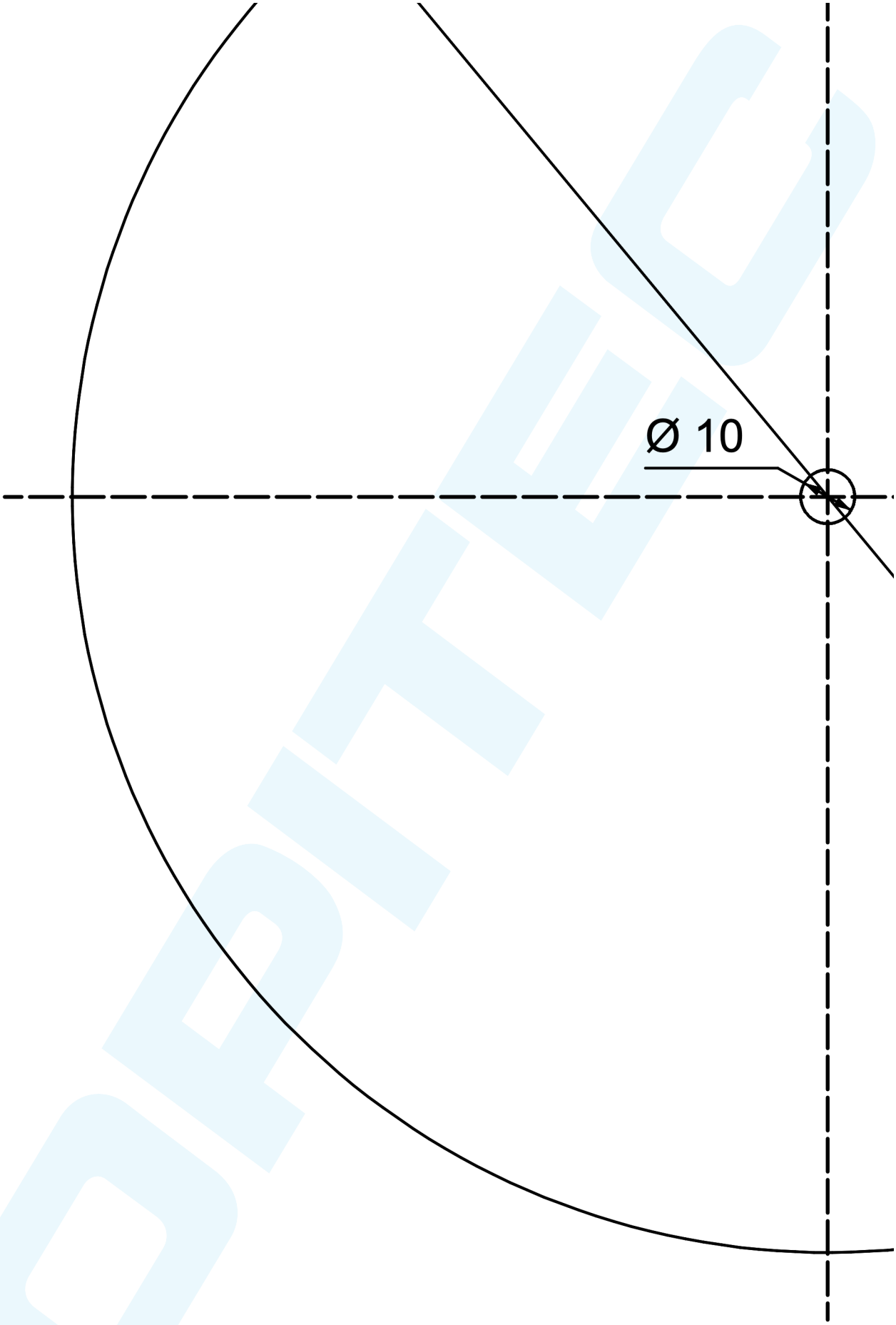
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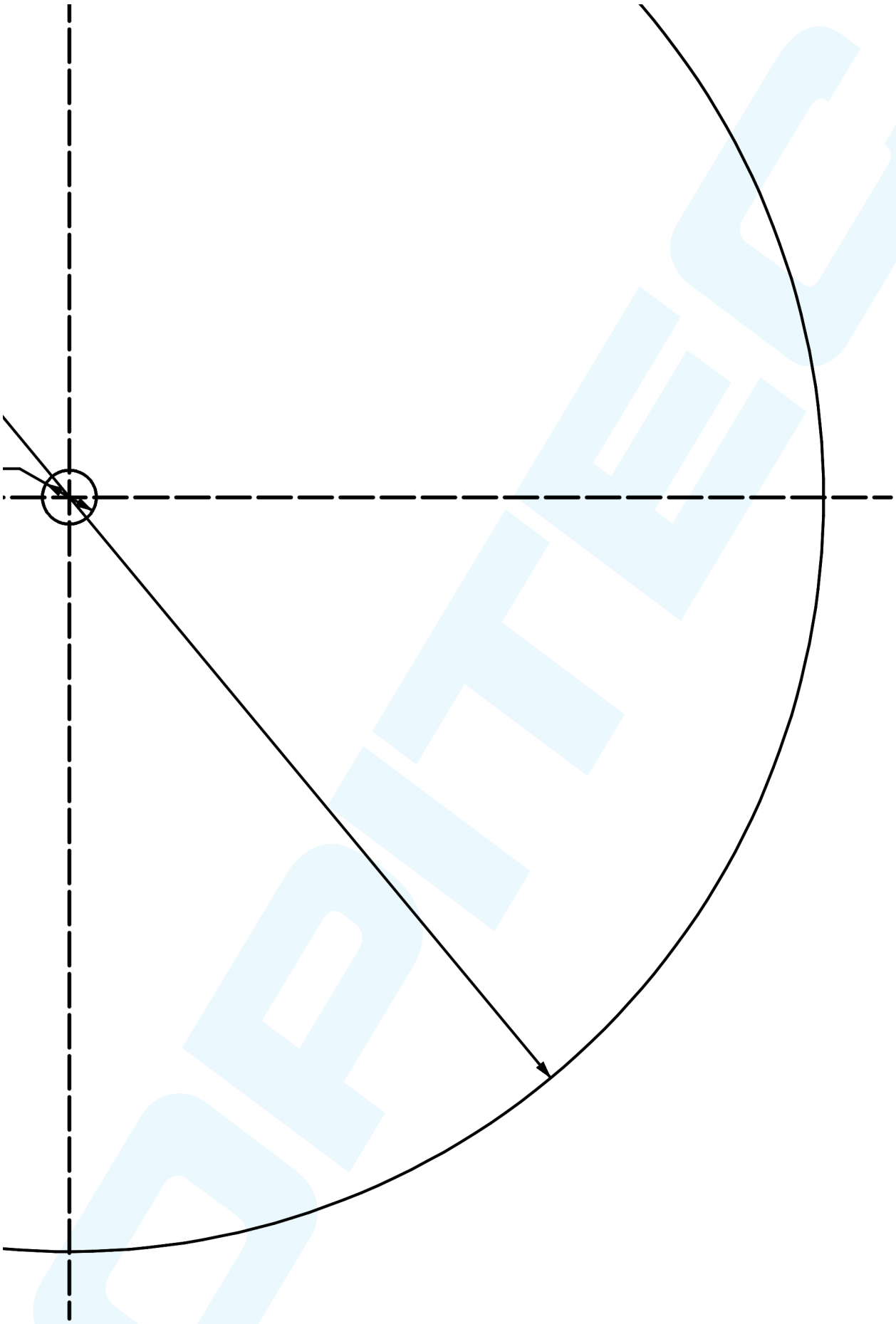

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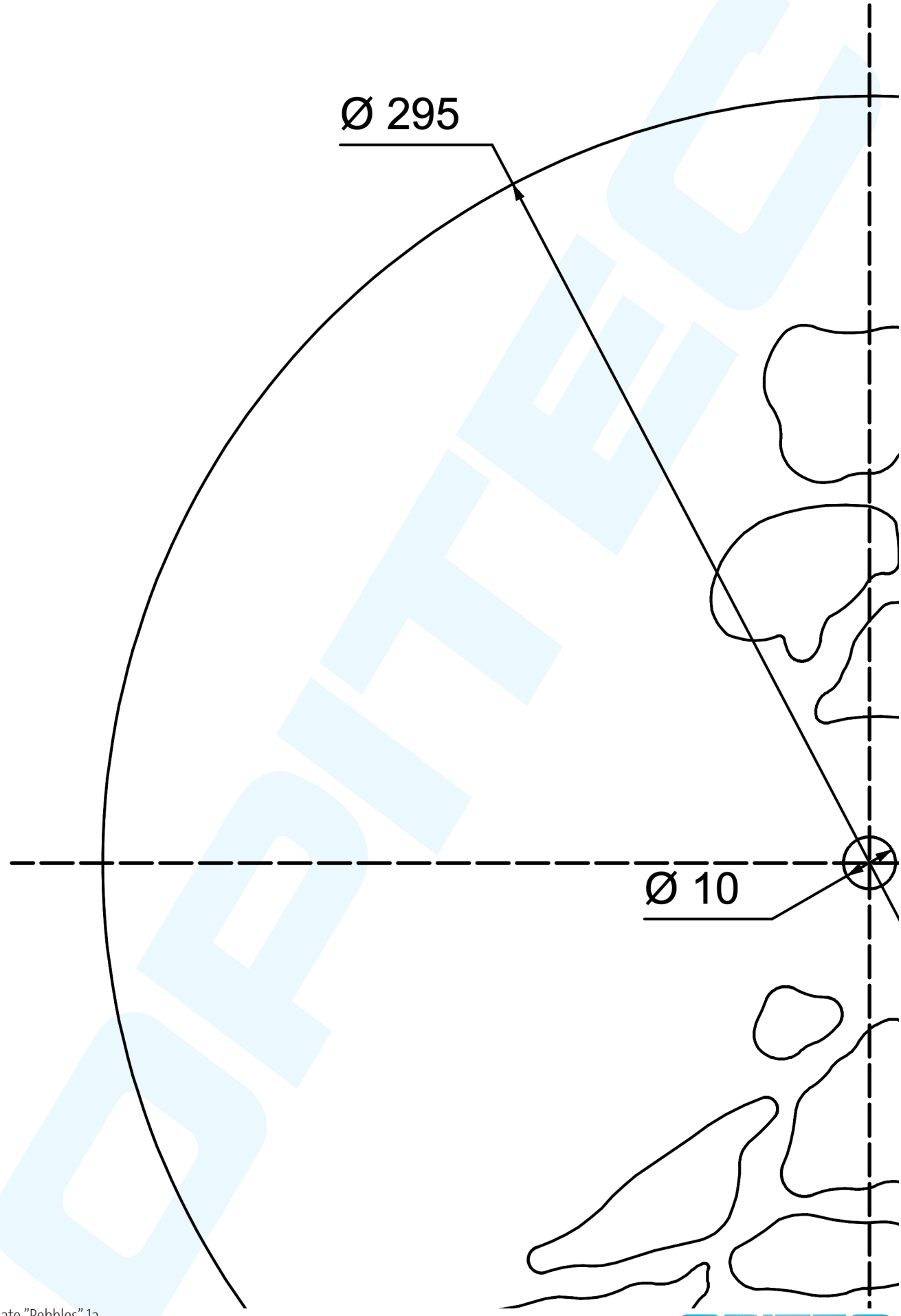
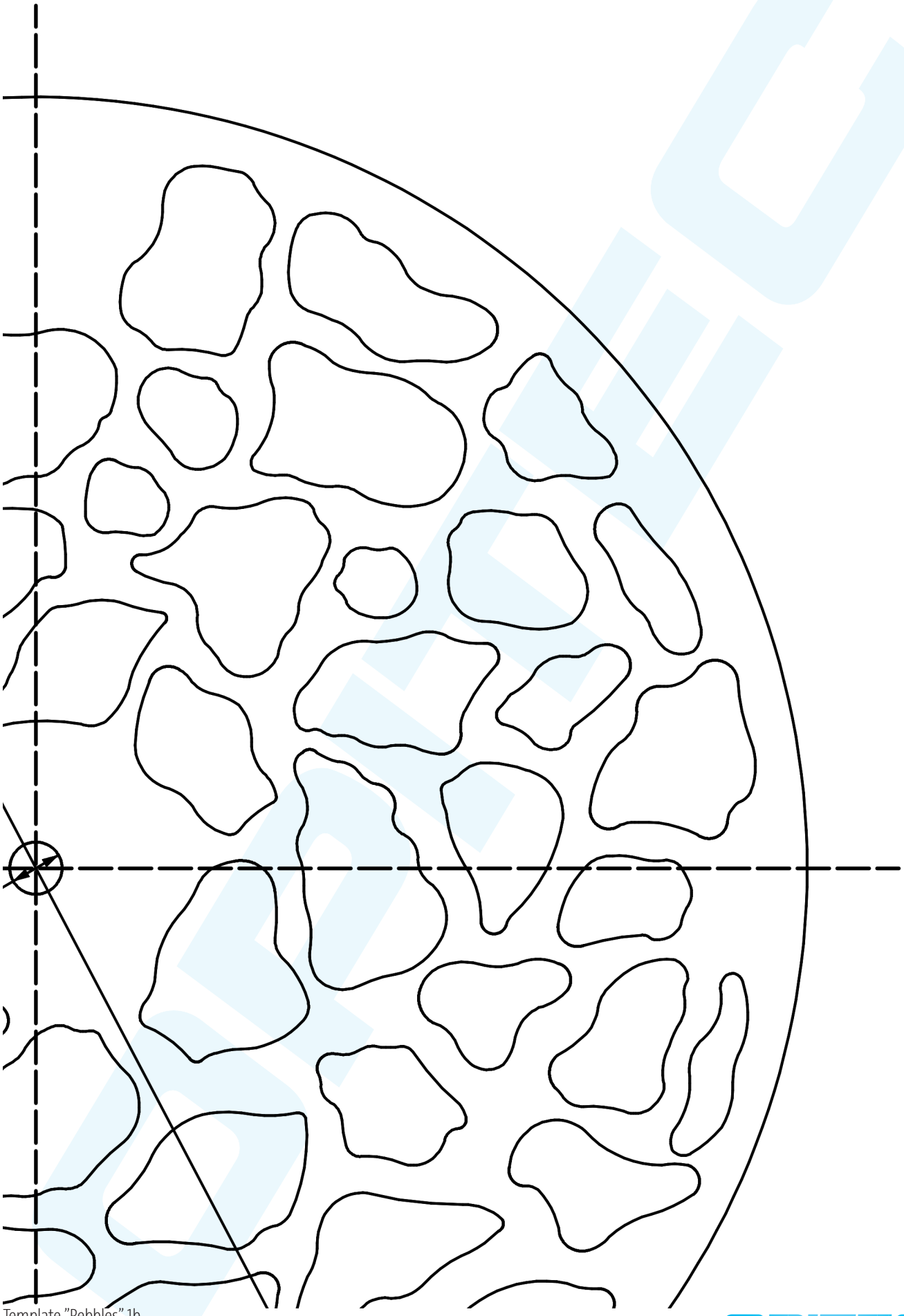


Template "Pebbles" 1a

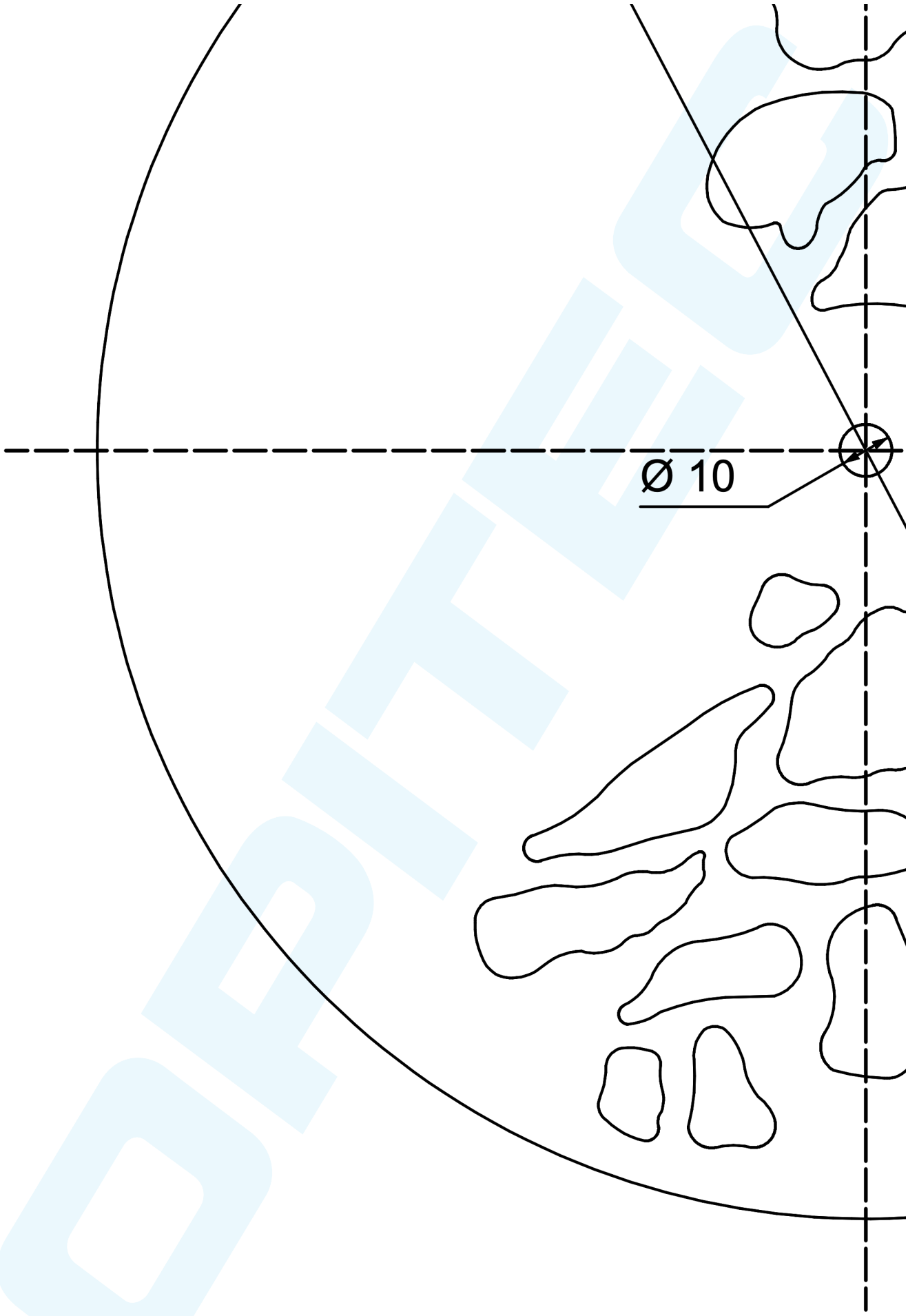
OPITEC

OPITEC



Template "Pebbles" 1b

OPITEC



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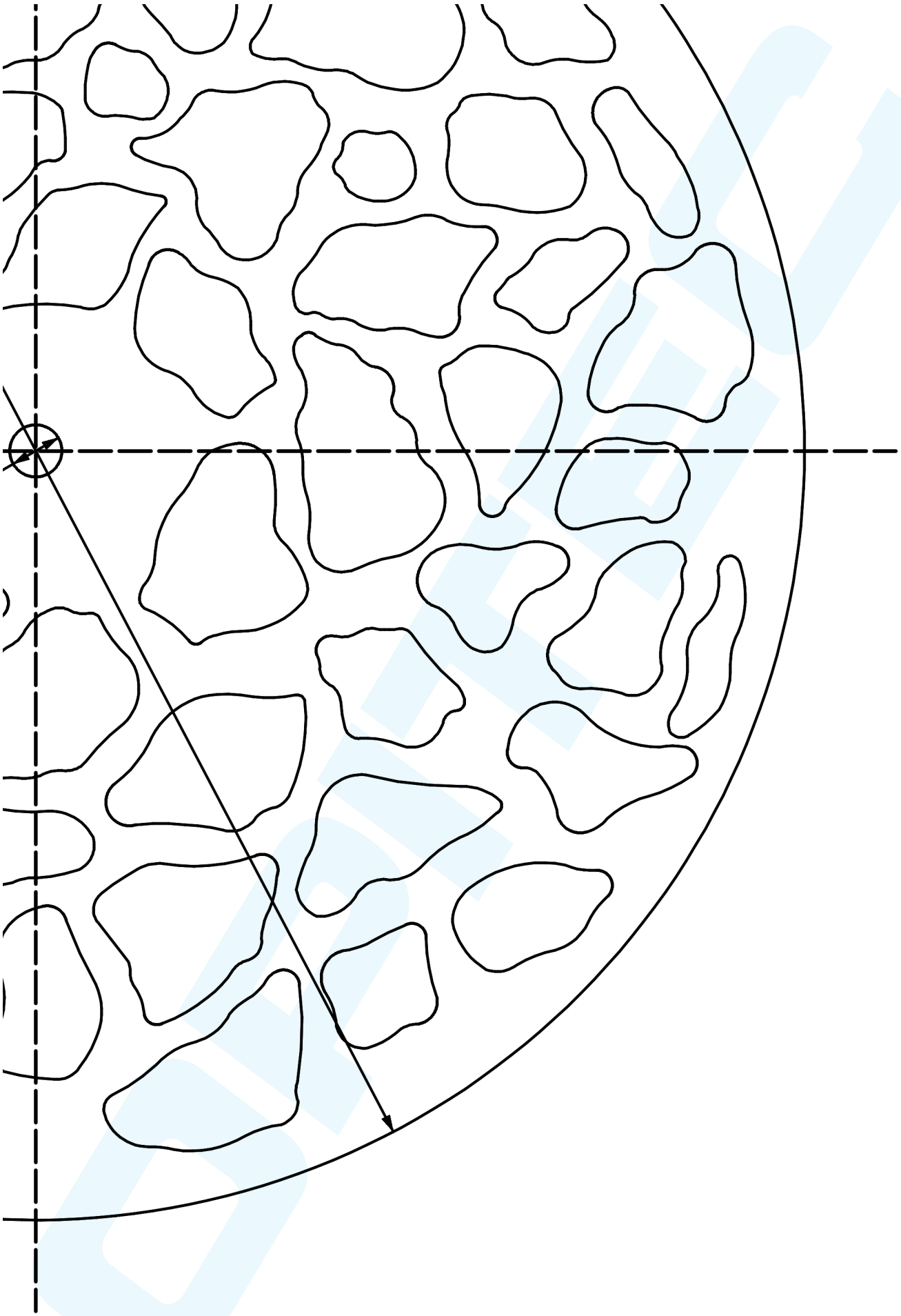

Template "Pebbles" 1d

OPITEC

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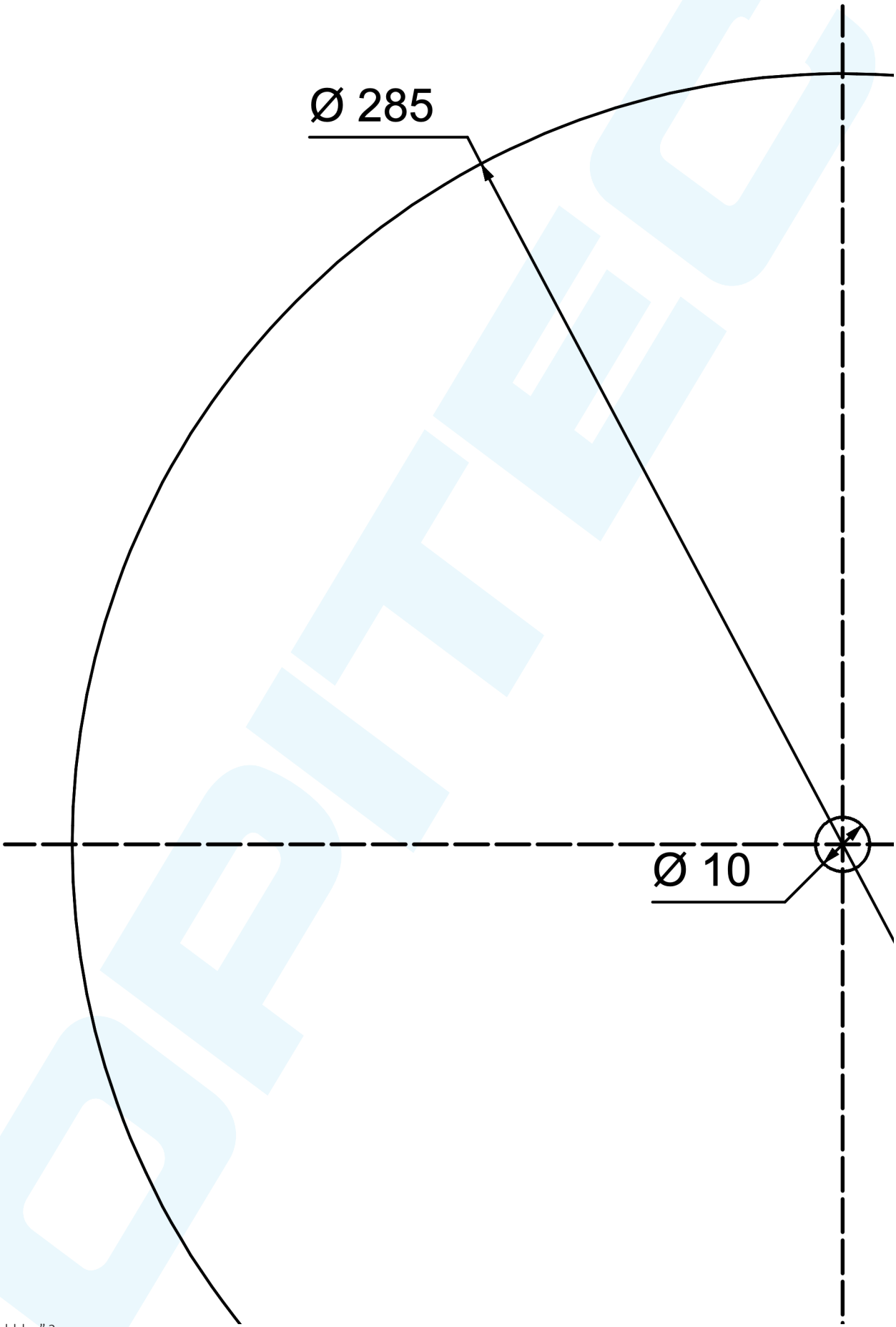
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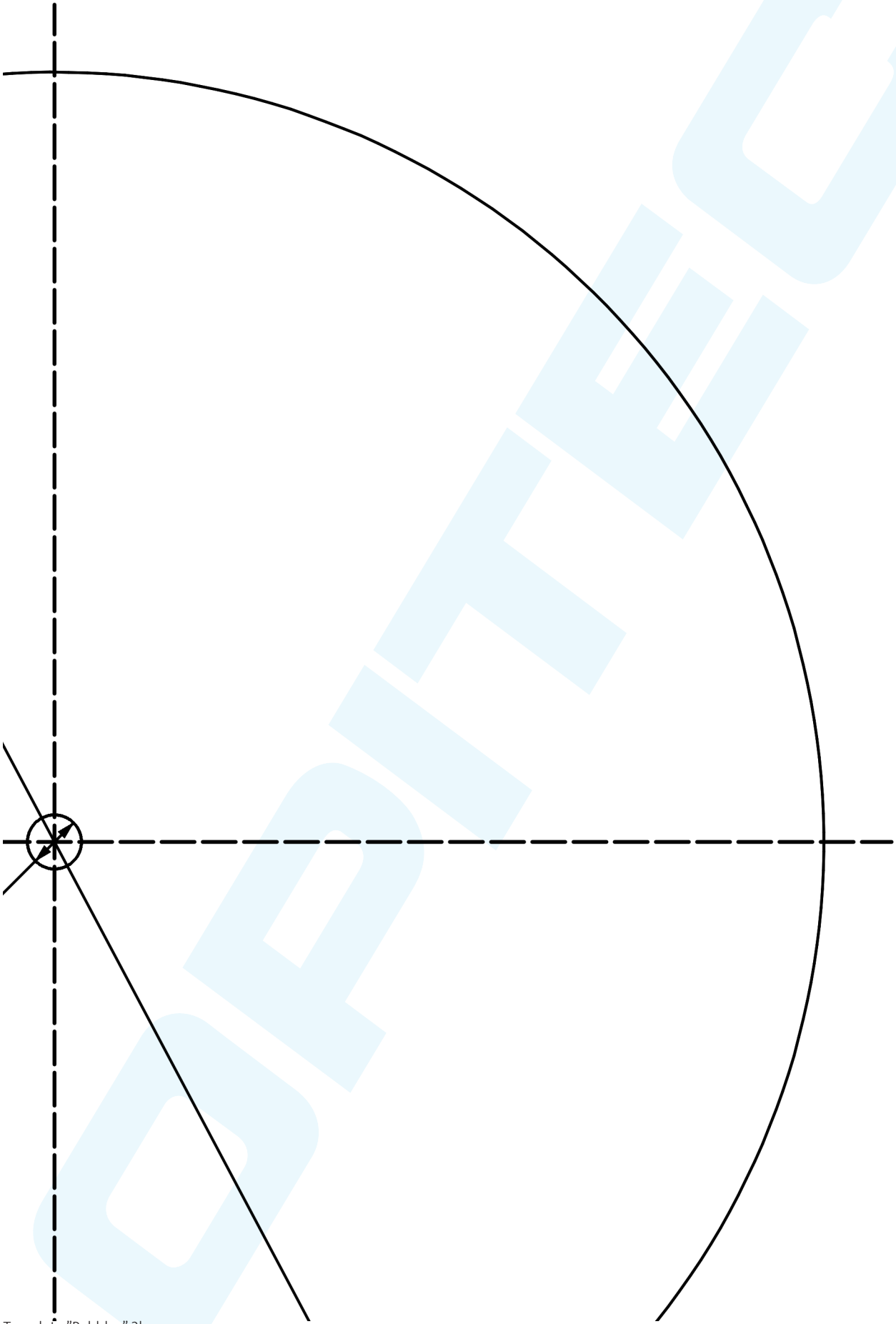

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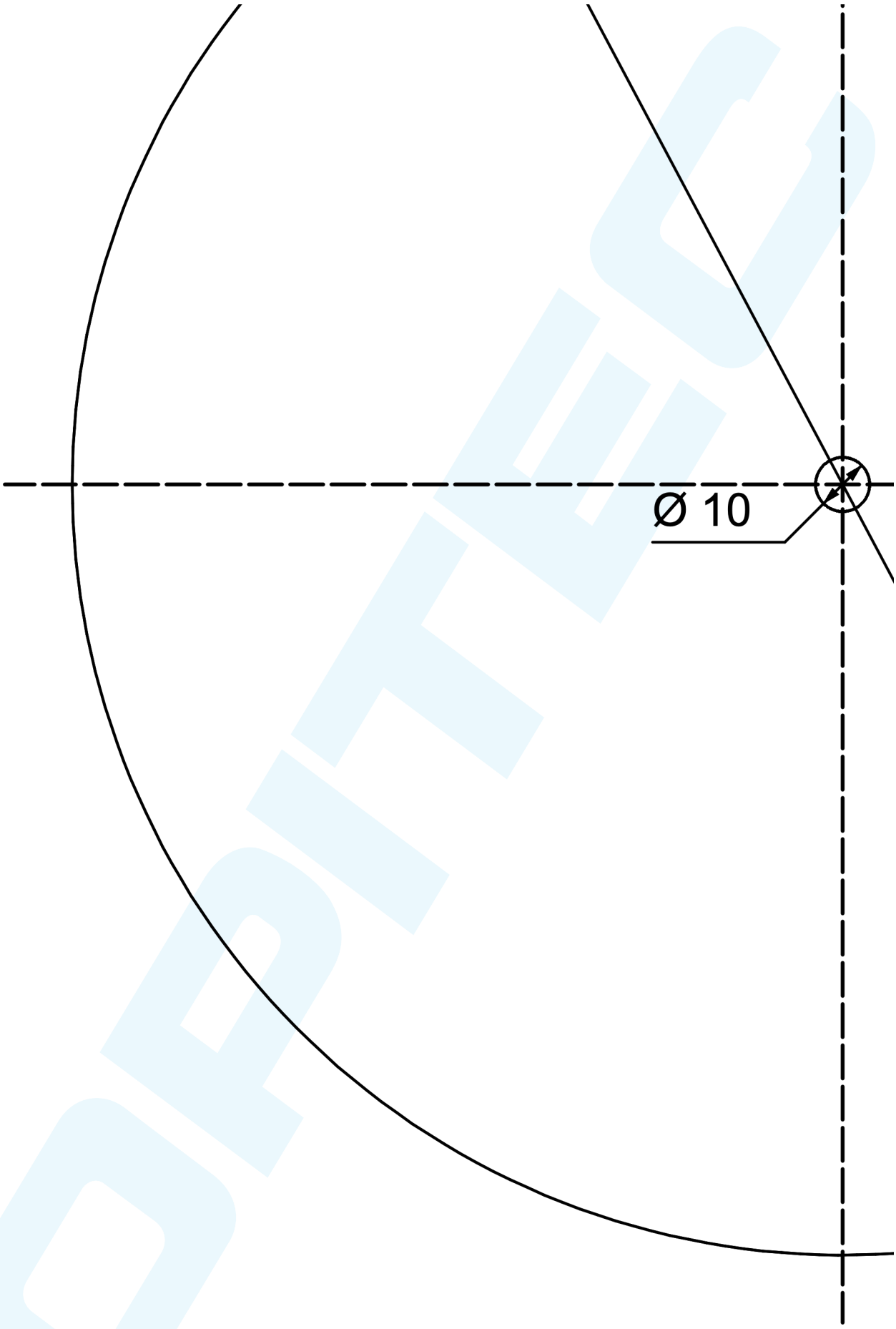
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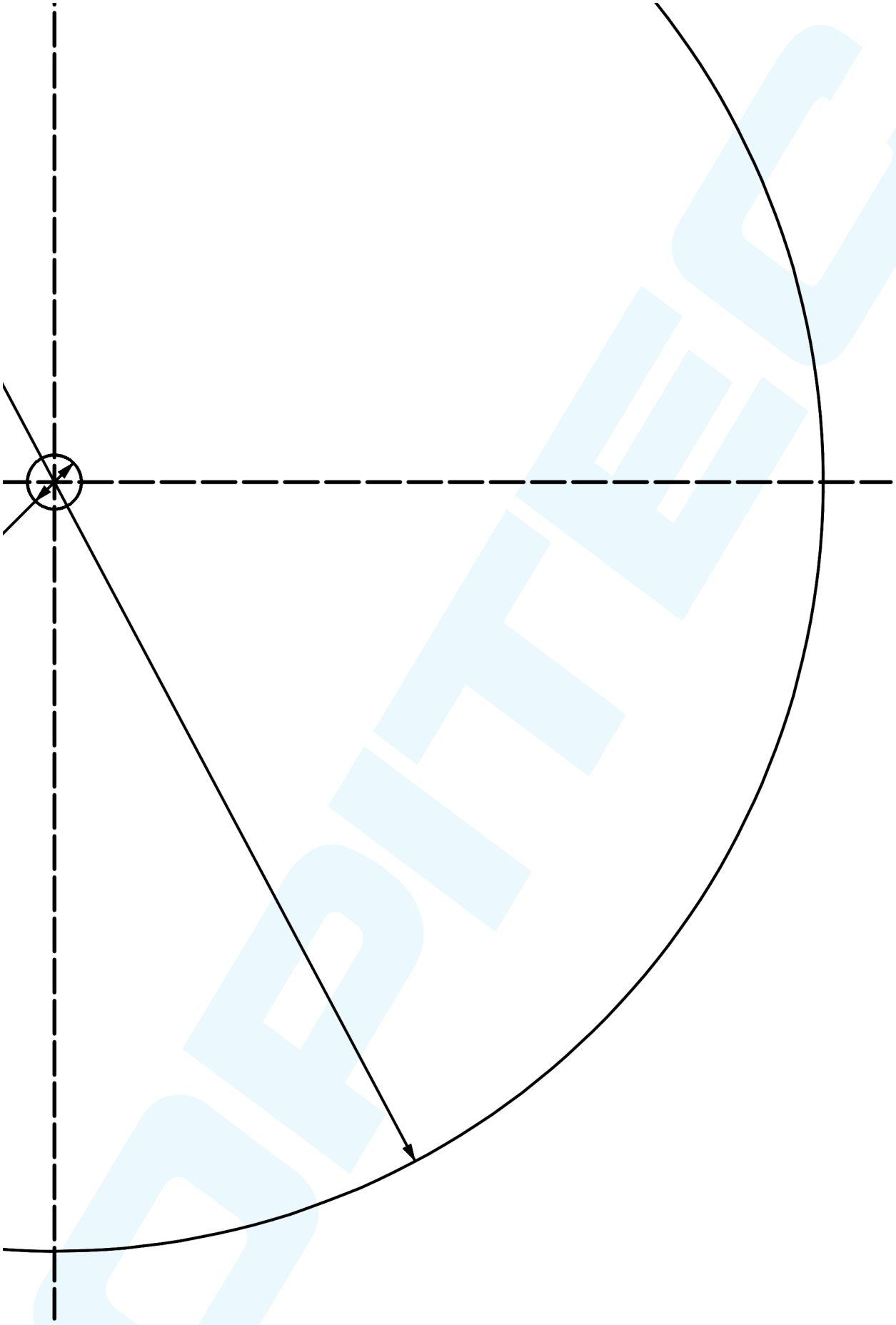

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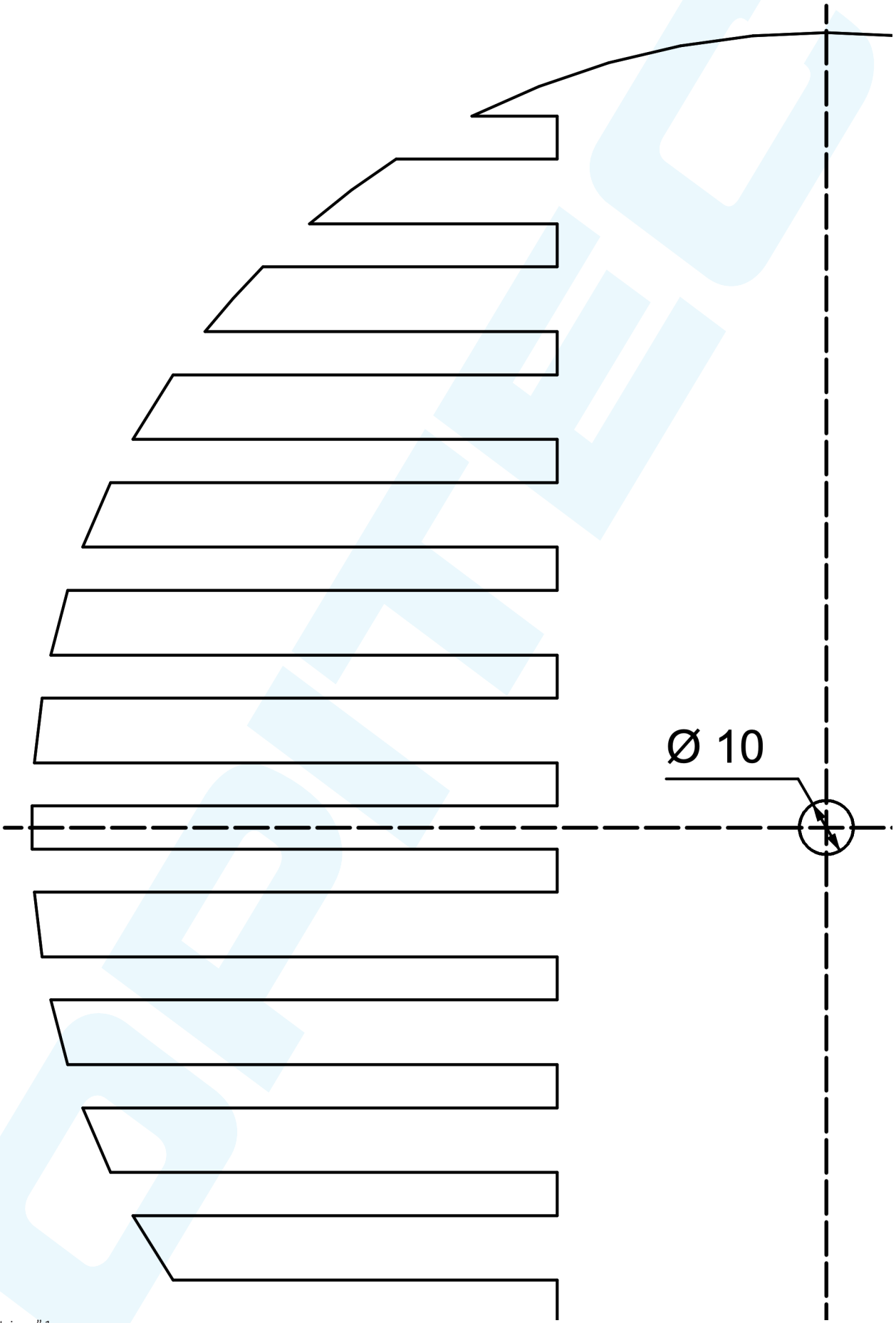
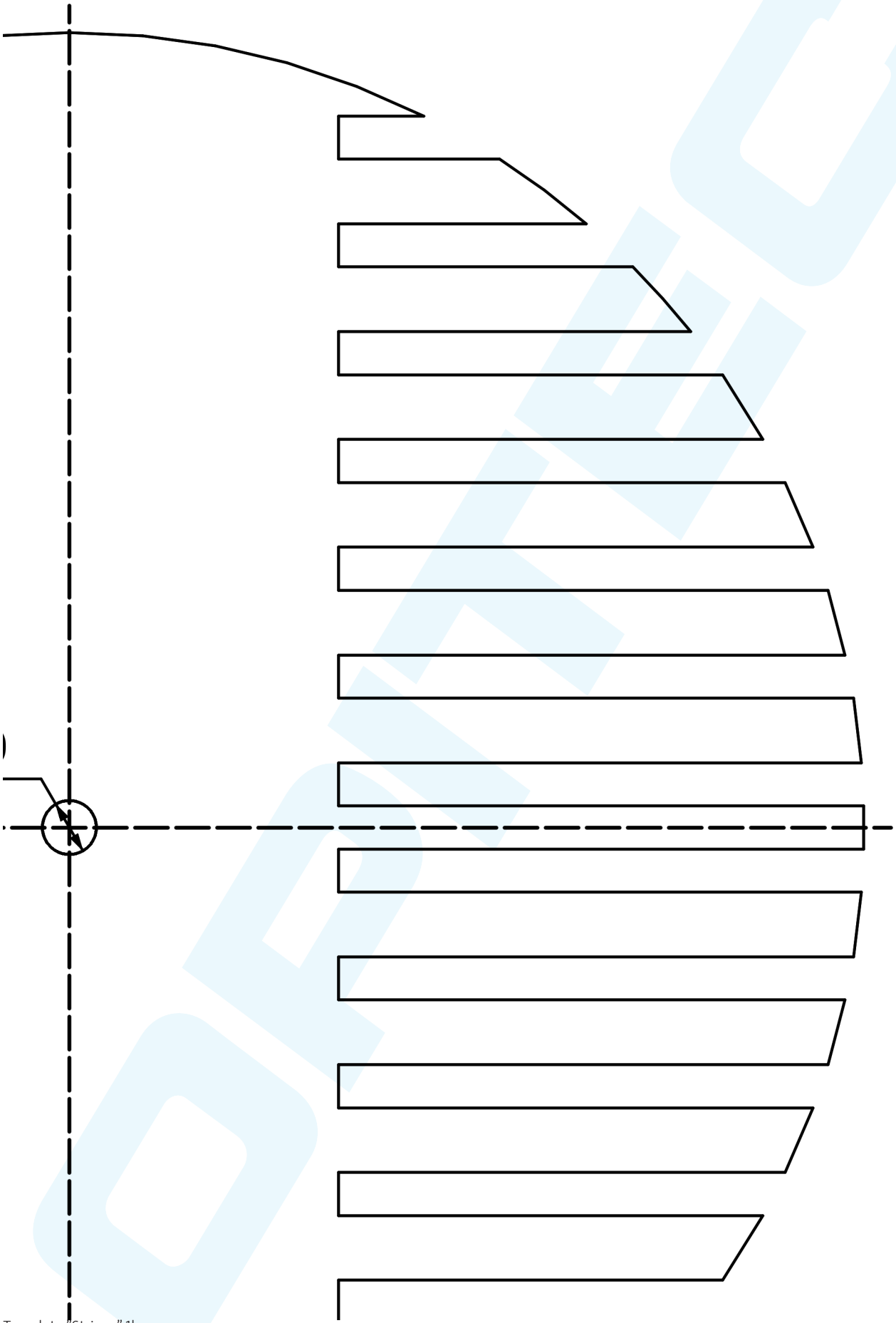


Template "Stripes" 1a

OPITEC

OPITEC



Template "Stripes" 1b

OPITEC

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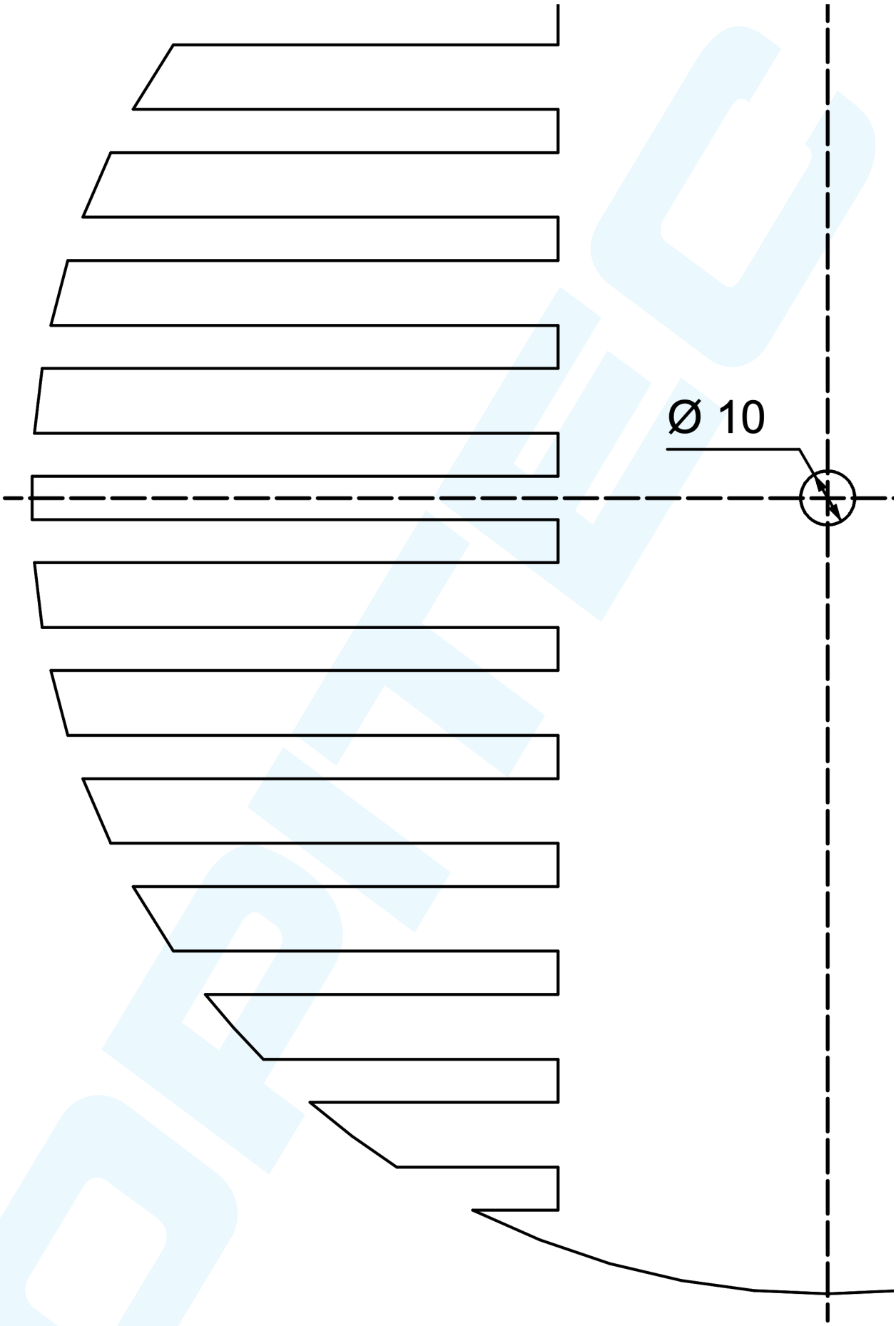
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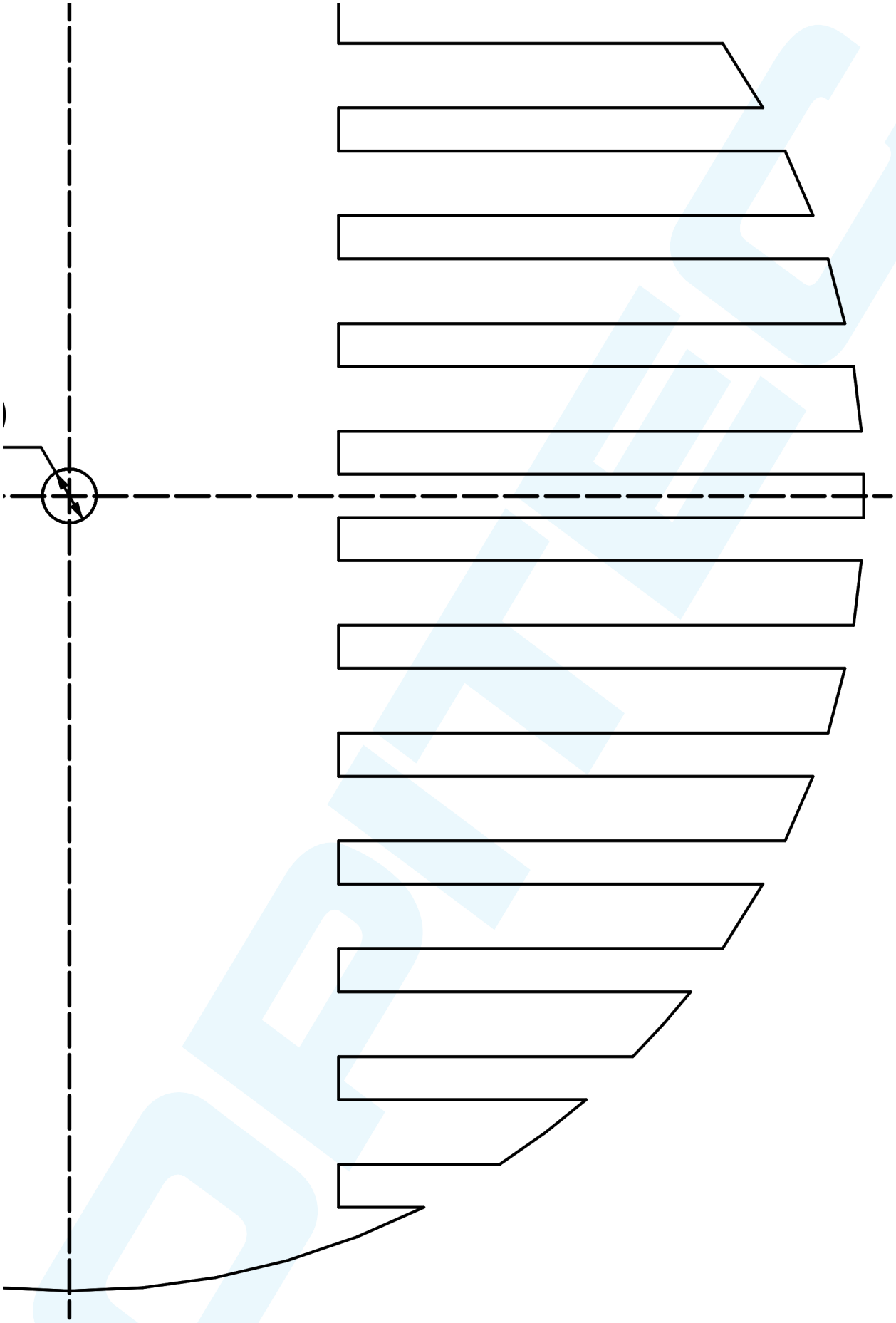

Template "Stripes" 1d

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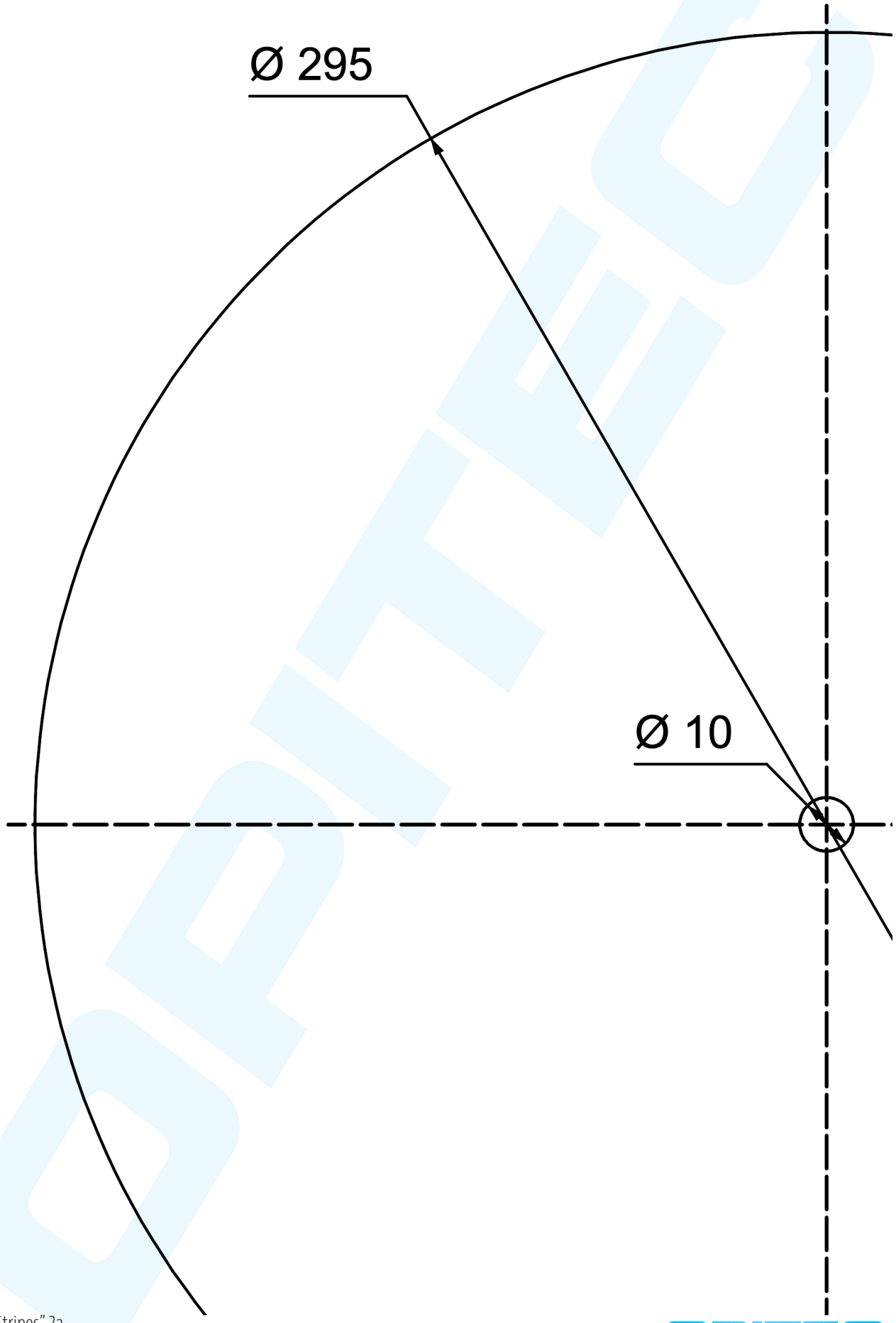
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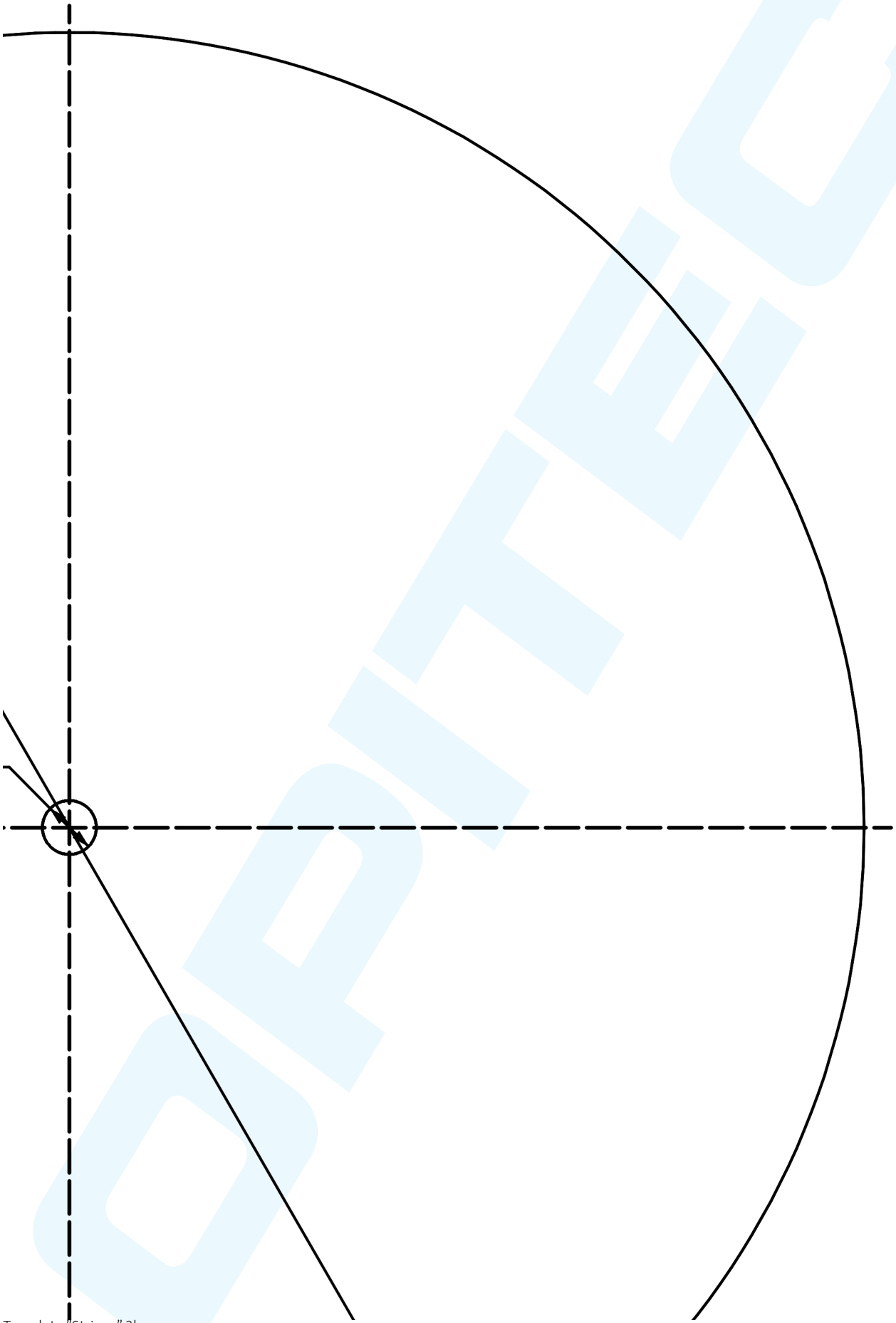
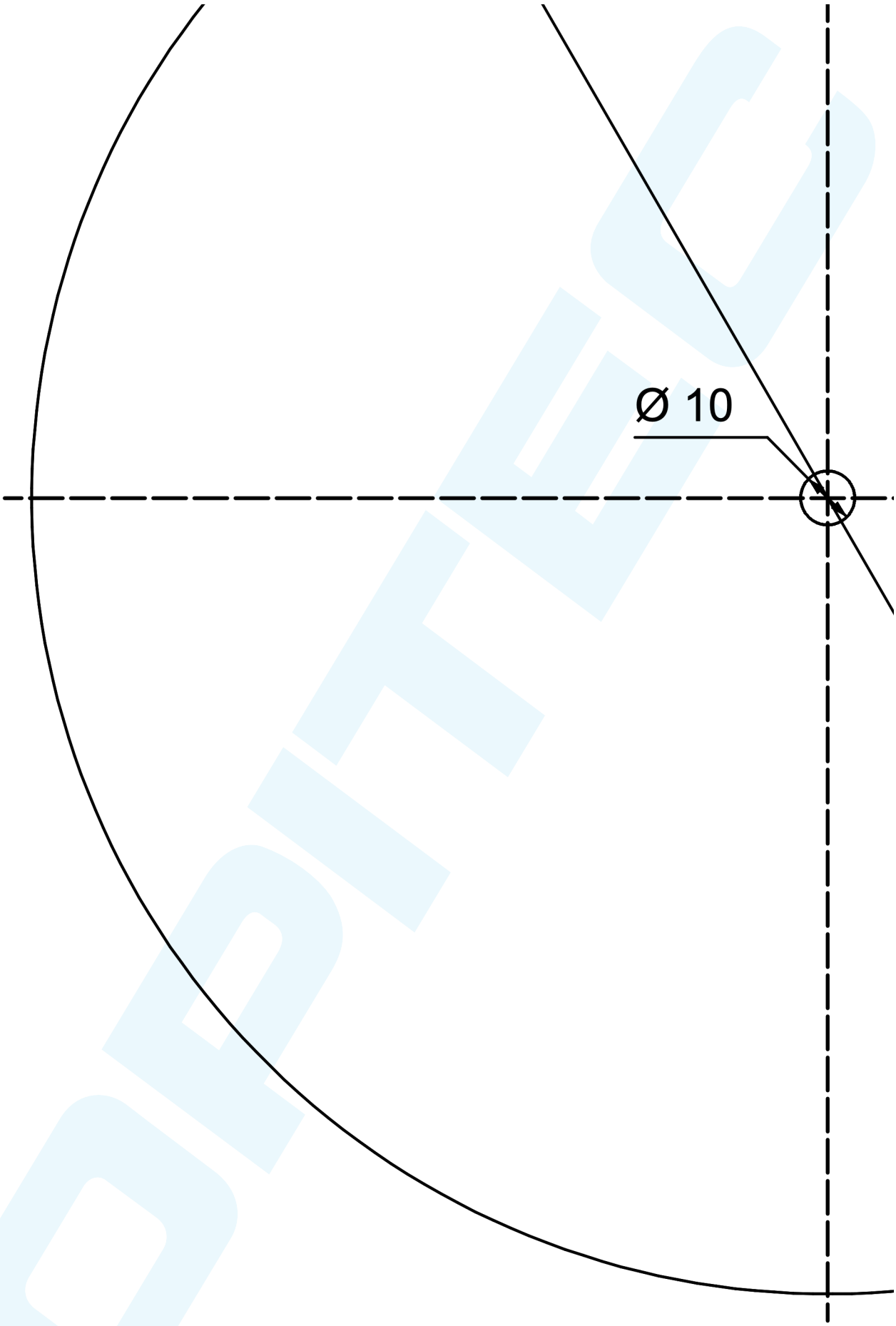
OPITEC



Template "Stripes" 2b

OPITEC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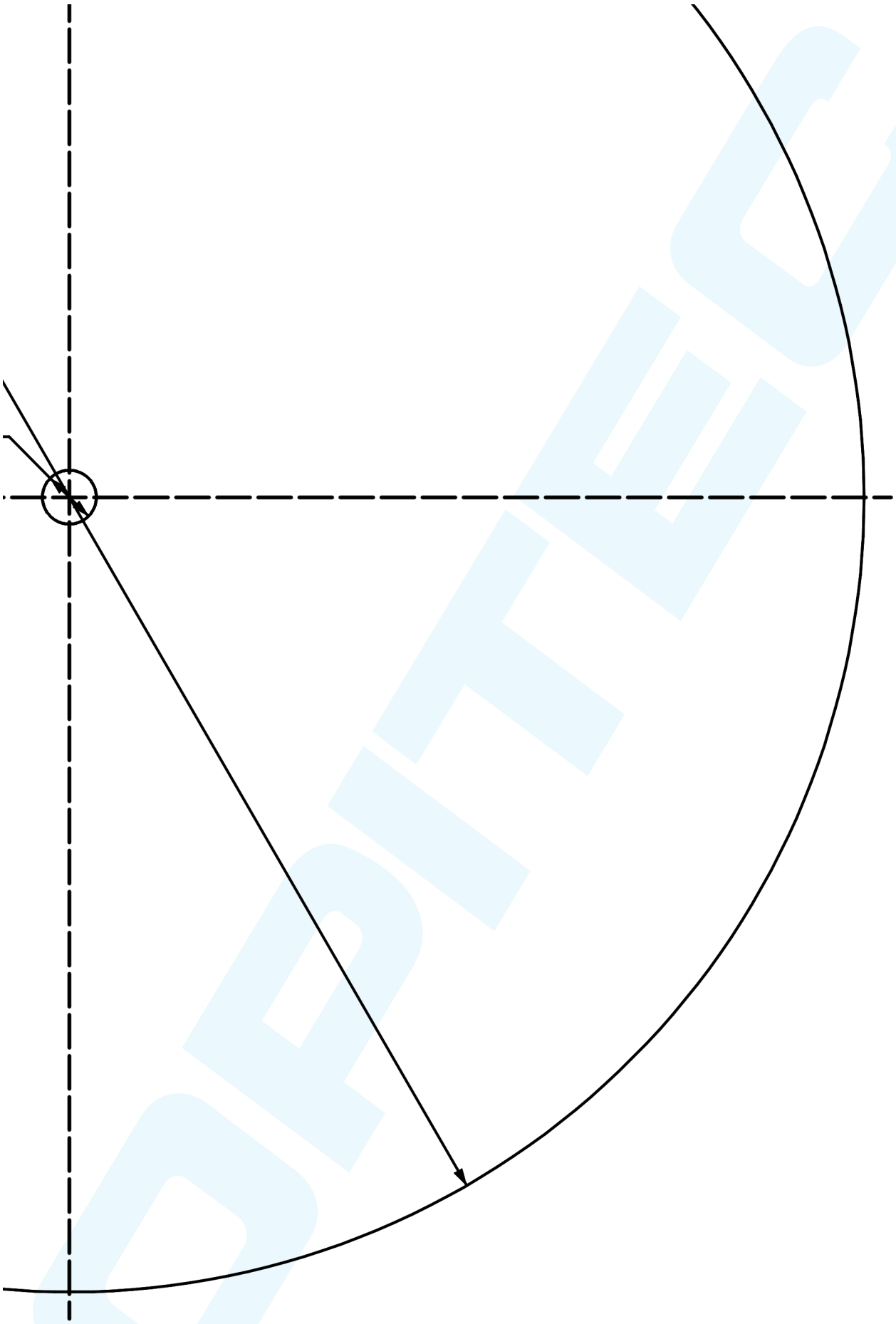

Template "Stripes" 2d

OPITEC