

## Tile dimensions for RoboCupJunior Rescue Line



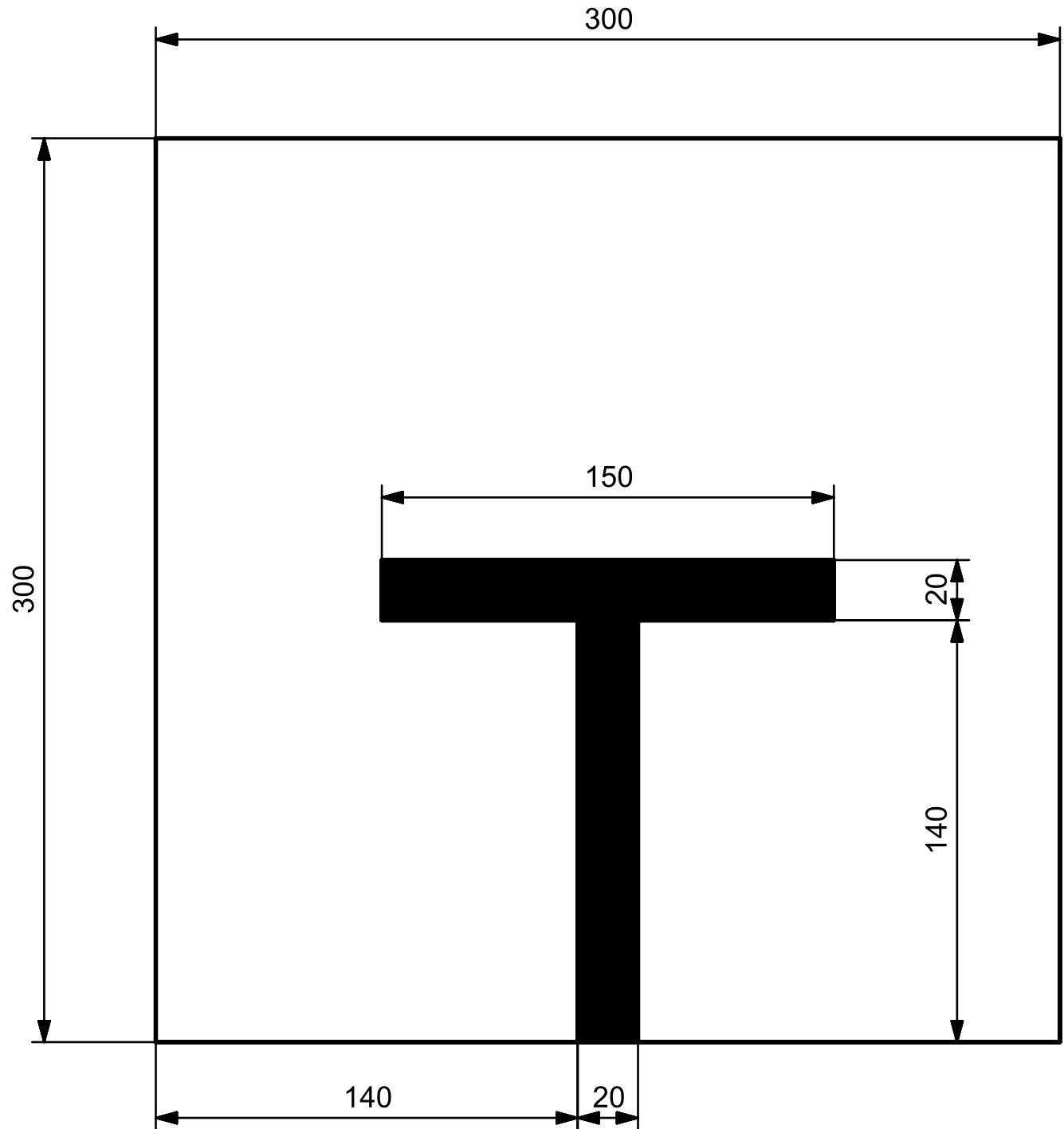
This document contains detailed drawings of the tiles used in the field designs for the video submission as part of the RoboCupJunior Rescue Line competition. Please refer to the numbers indicated on the field design to identify the corresponding drawing of the tile in this document.

According to the official rules all measurements have a tolerance of  $\pm 5\%$ . Please try to replicate the field design with the help of these drawings within this tolerance to ensure a fair competition. Note that in this document a line width of 20 mm is used and according to the rules the line can be between 10 – 20 mm wide ( $\pm 5\%$  tolerance).

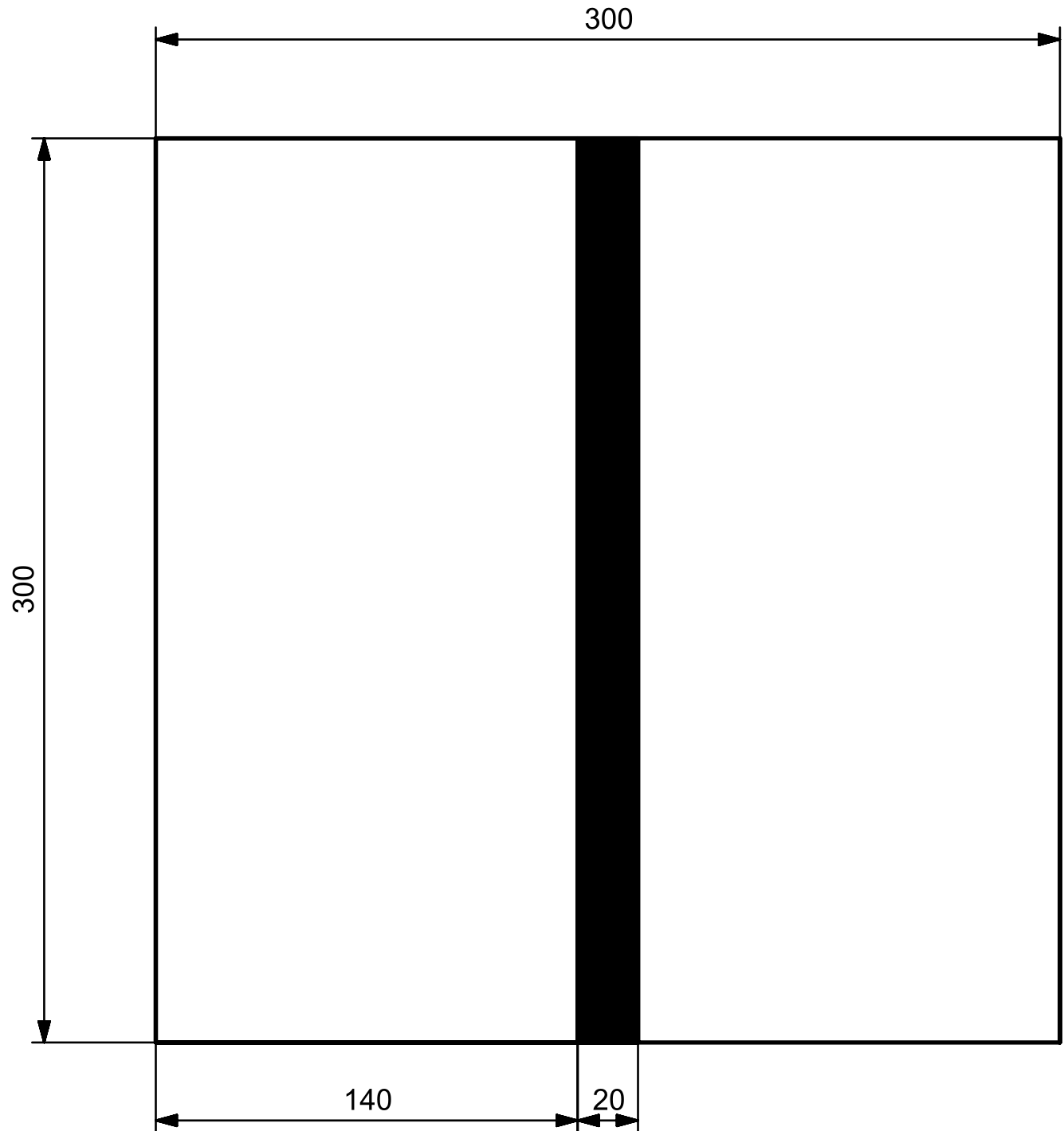
Scoring elements such as speedbumps, obstacles and green squares for the intersections should be placed according to the measurements given on the field designs. Note that no drawings for the ramps and seesaw are provided.

If you have any questions please contact us through the [RoboCup Junior Forum](#).

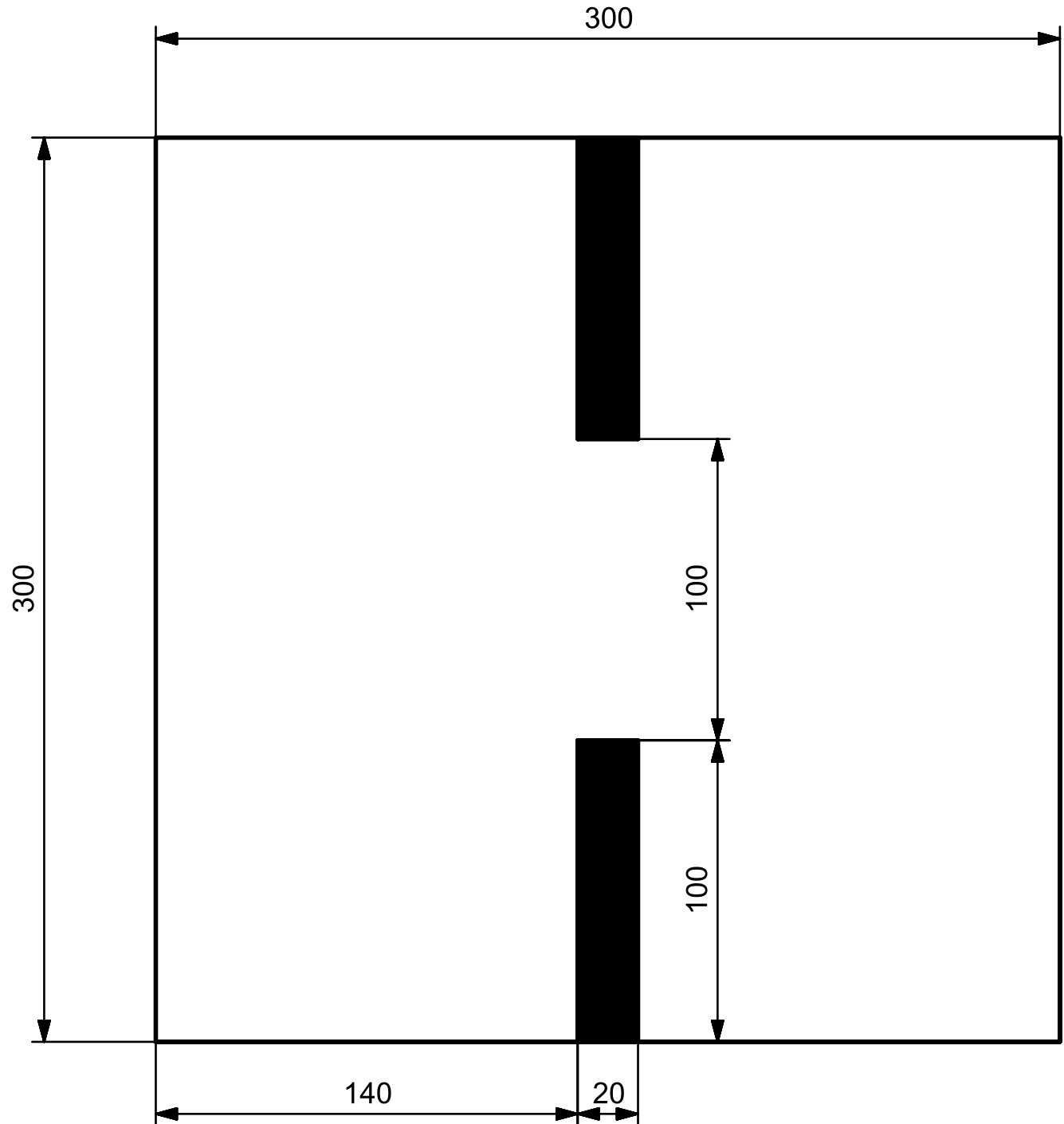
|                      |
|----------------------|
| Tile: Start          |
| Tile number: 01      |
| All dimensions in mm |



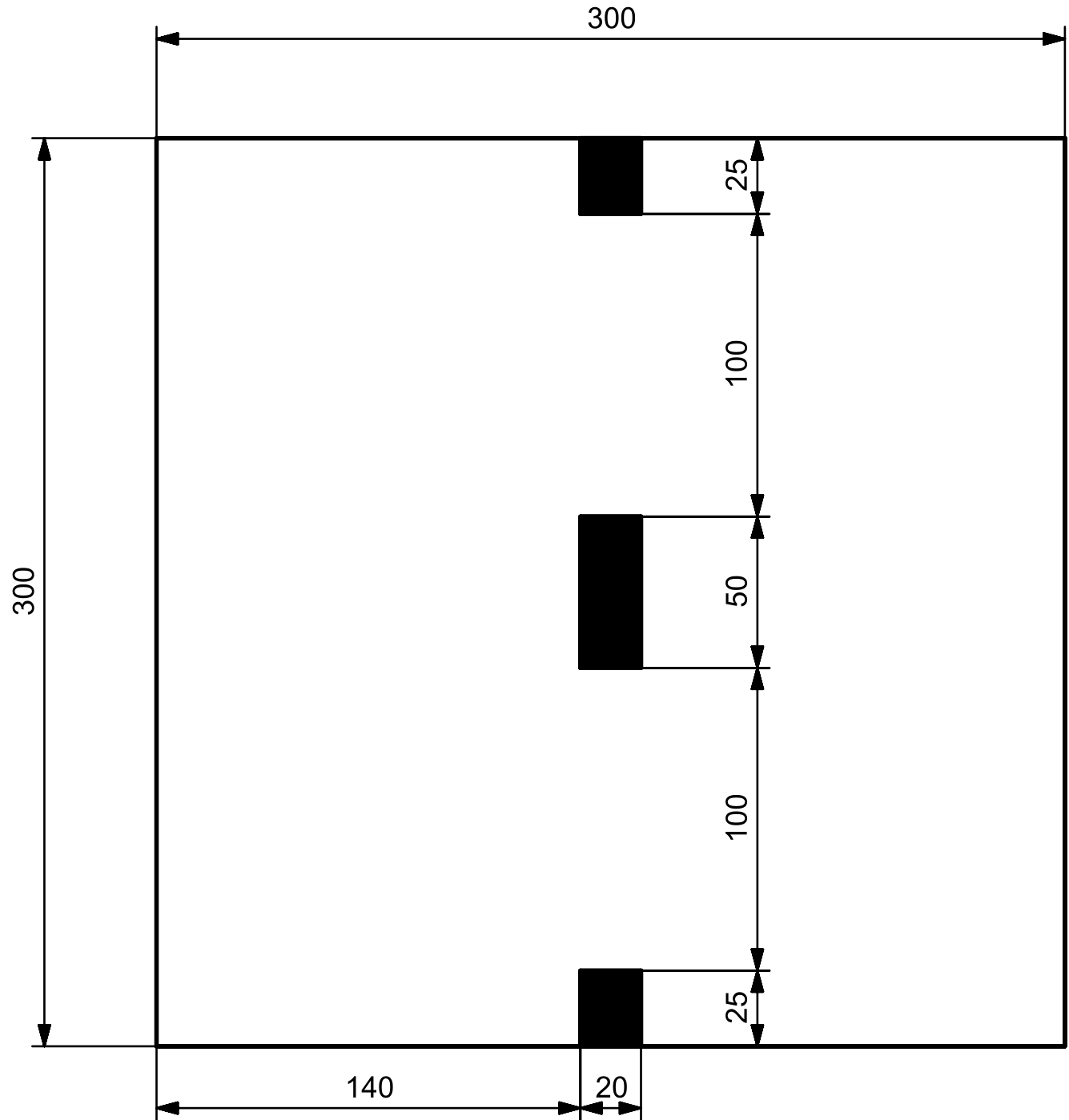
|                      |
|----------------------|
| Tile: Straight       |
| Tile number: 10      |
| All dimensions in mm |



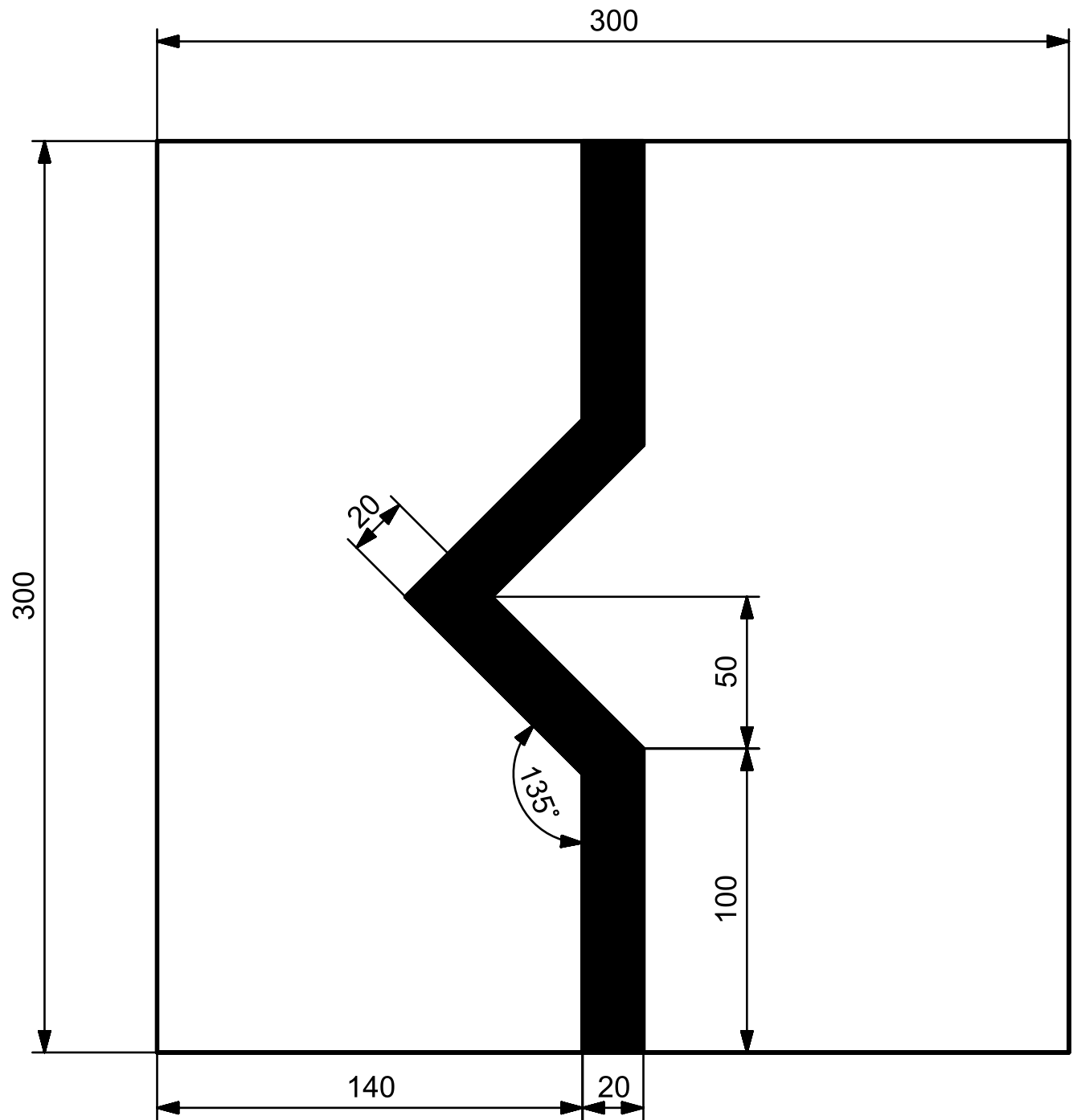
|                        |
|------------------------|
| Tile: Single Gap 100mm |
| Tile number: 11        |
| All dimensions in mm   |



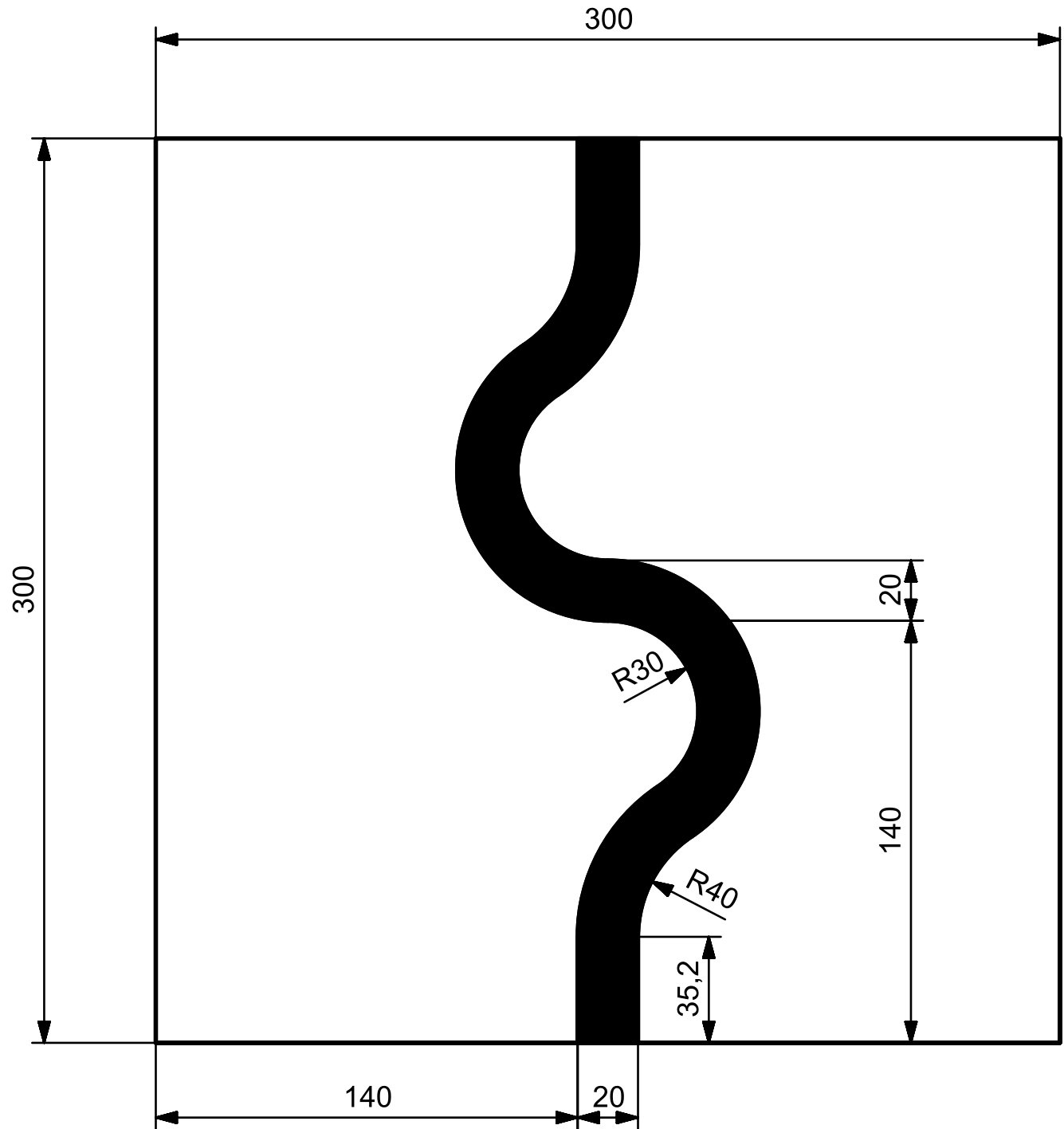
|                      |
|----------------------|
| Tile: Double Gap     |
| Tile number: 12      |
| All dimensions in mm |



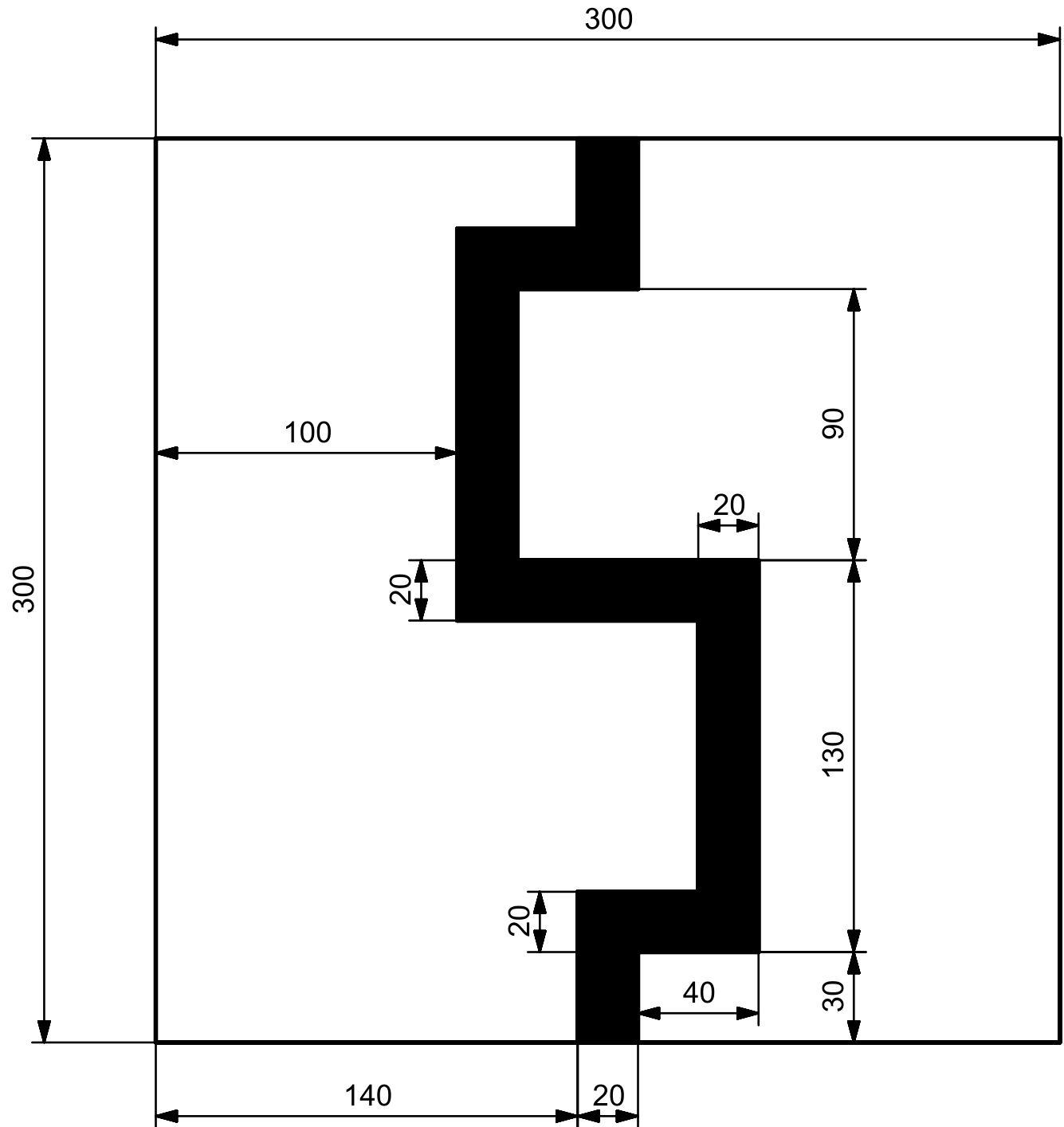
|                      |
|----------------------|
| Tile: 90° Kink       |
| Tile number: 13      |
| All dimensions in mm |



|                      |
|----------------------|
| Tile: Serpentine     |
| Tile number: 14      |
| All dimensions in mm |

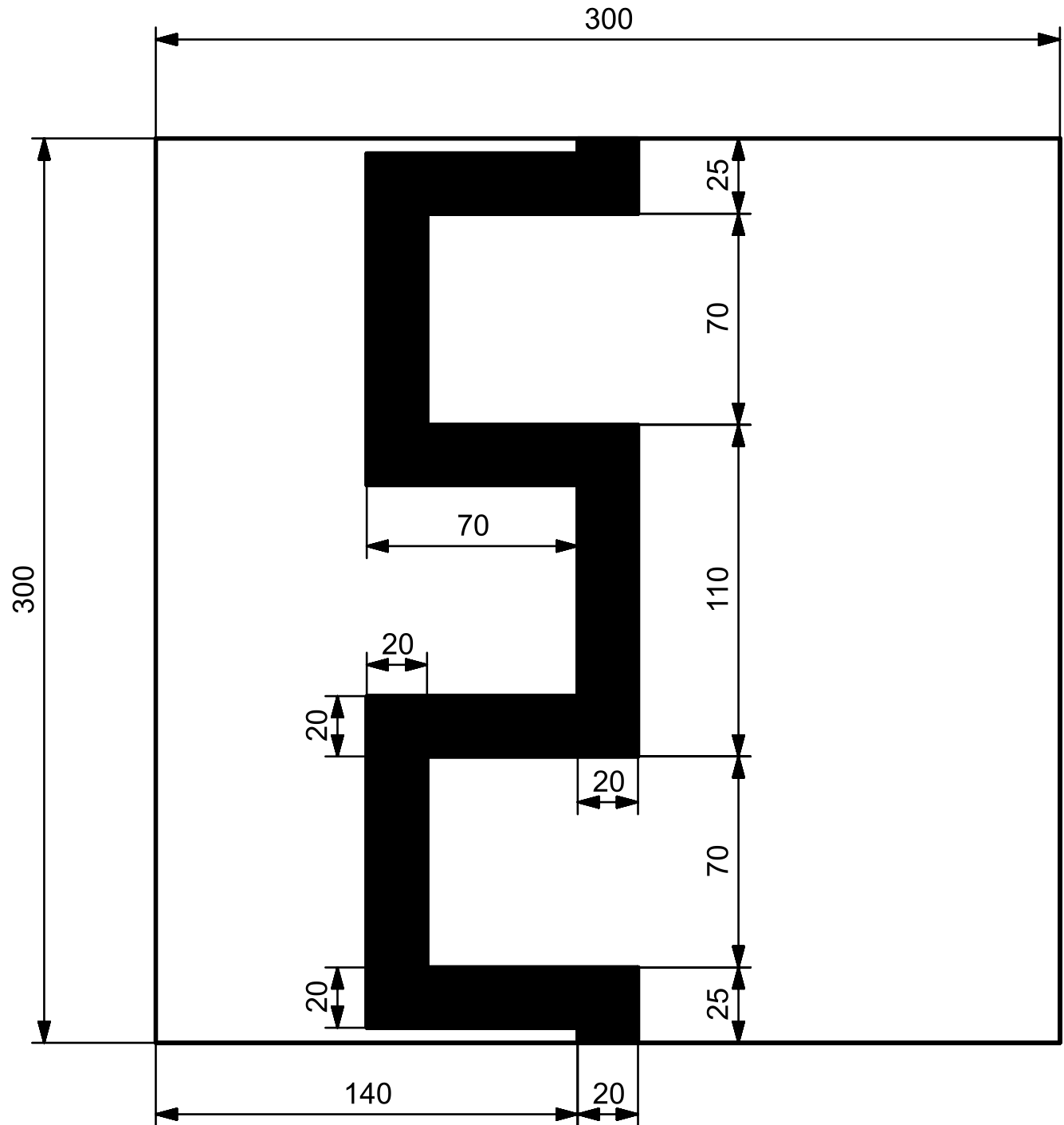


|                      |
|----------------------|
| Tile: 90° Zig Zag    |
| Tile number: 15      |
| All dimensions in mm |

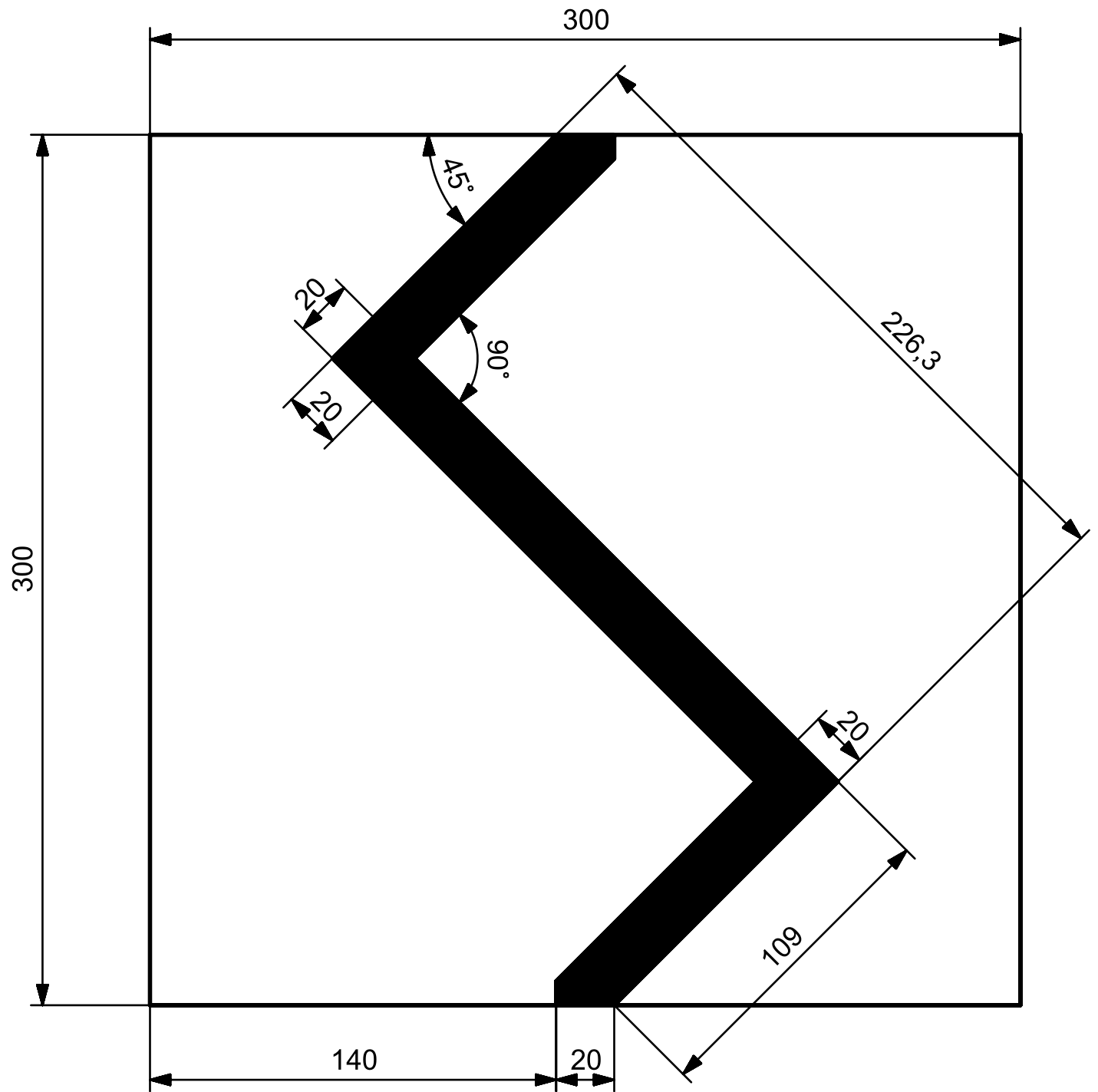




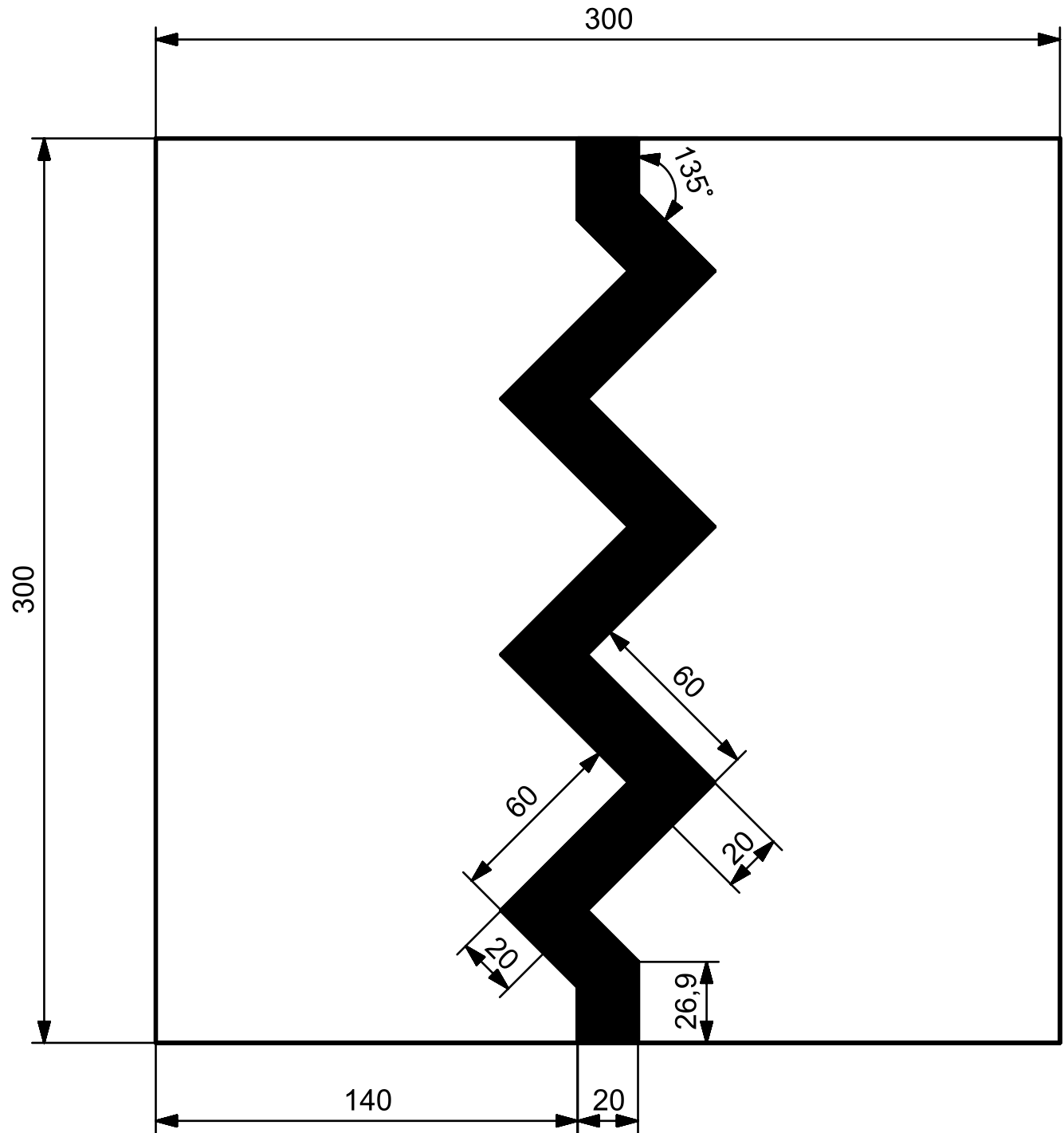
|                      |
|----------------------|
| Tile: Double Chicane |
| Tile number: 16      |
| All dimensions in mm |



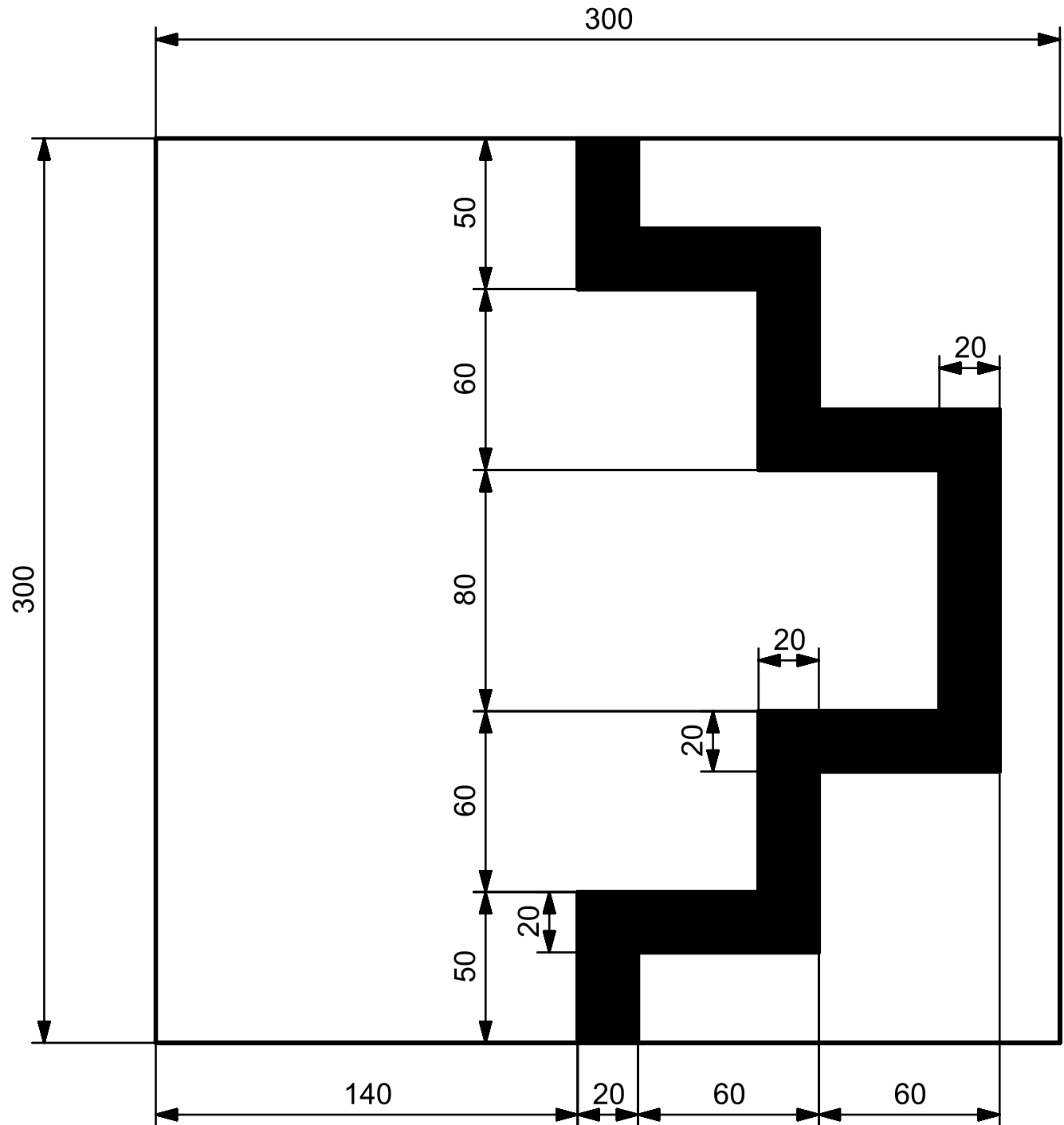
|                      |
|----------------------|
| Tile: Zig Zag        |
| Tile number: 17      |
| All dimensions in mm |



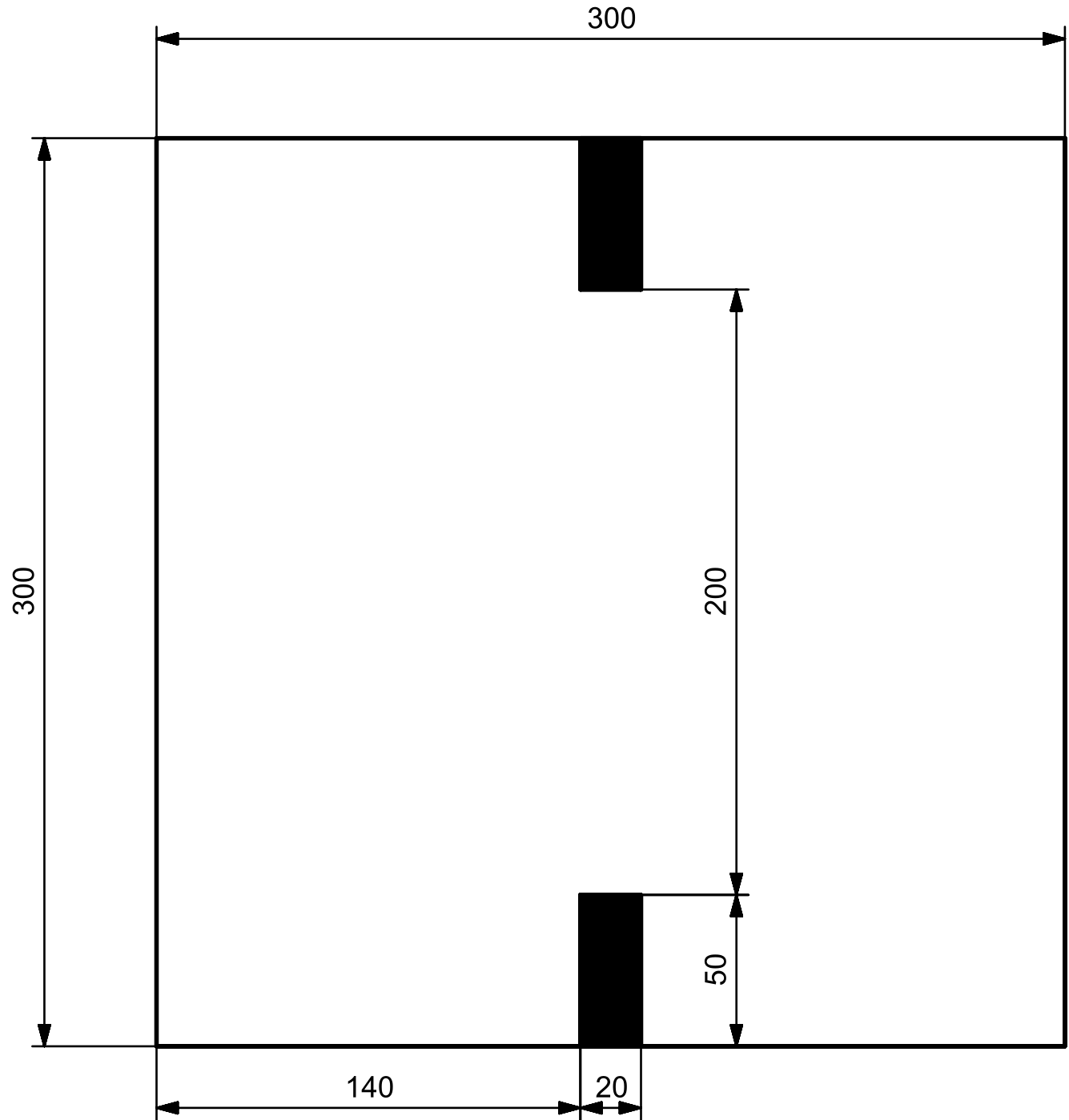
|                      |
|----------------------|
| Tile: Double Zig Zag |
| Tile number: 18      |
| All dimensions in mm |



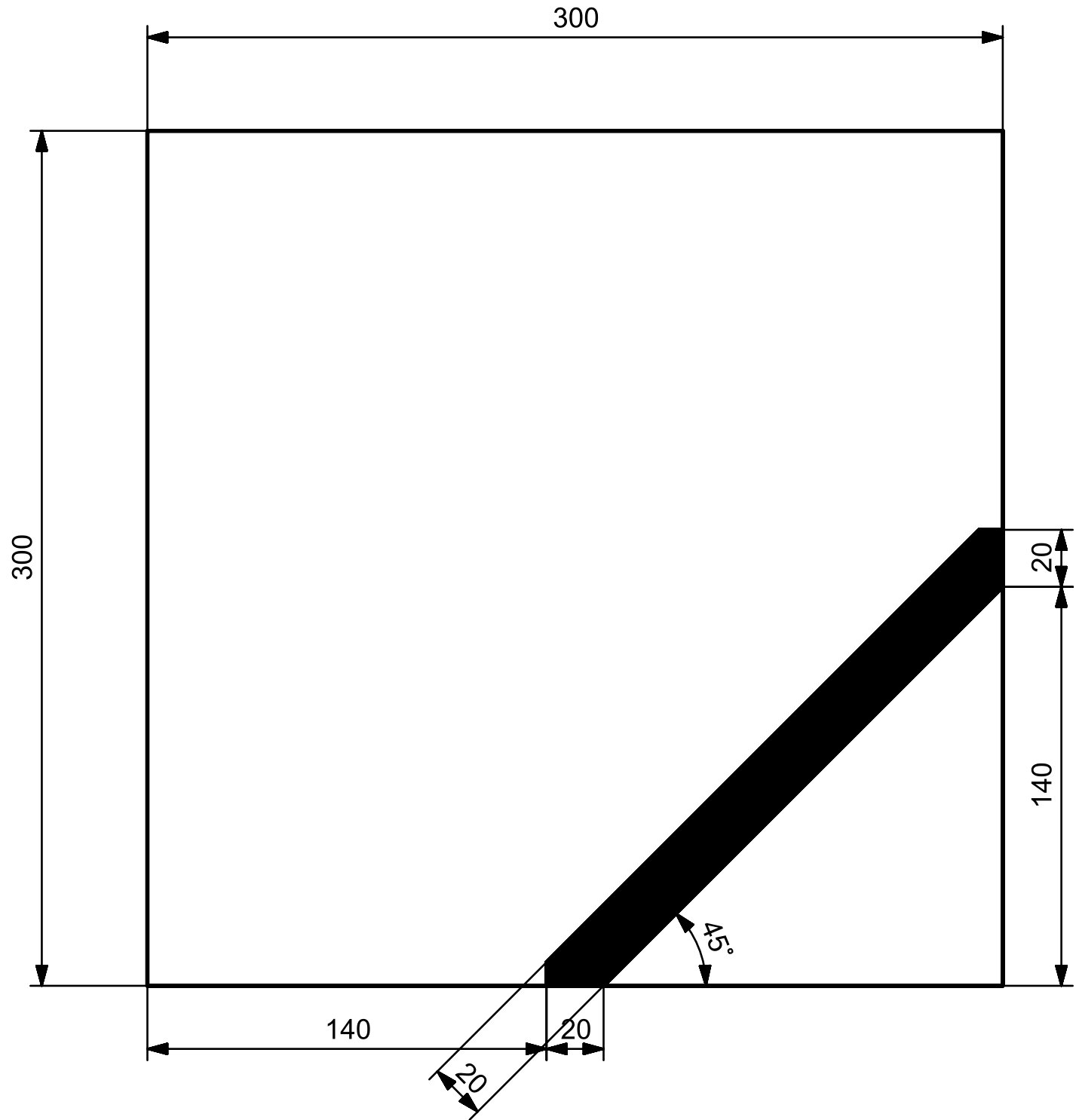
|                      |
|----------------------|
| Tile: Podium         |
| Tile number: 19      |
| All dimensions in mm |



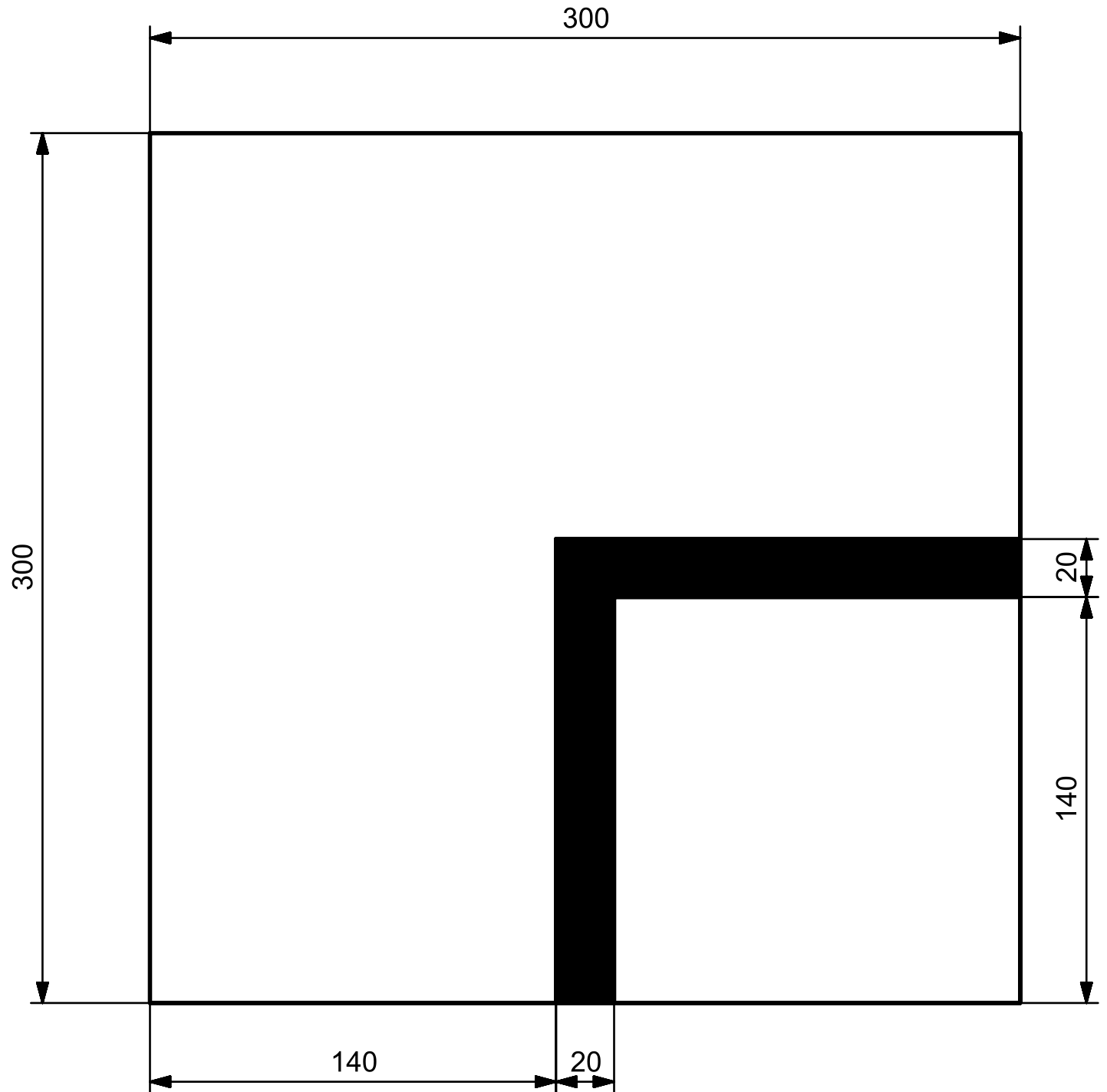
|                        |
|------------------------|
| Tile: Single Gap 200mm |
| Tile number: 20        |
| All dimensions in mm   |



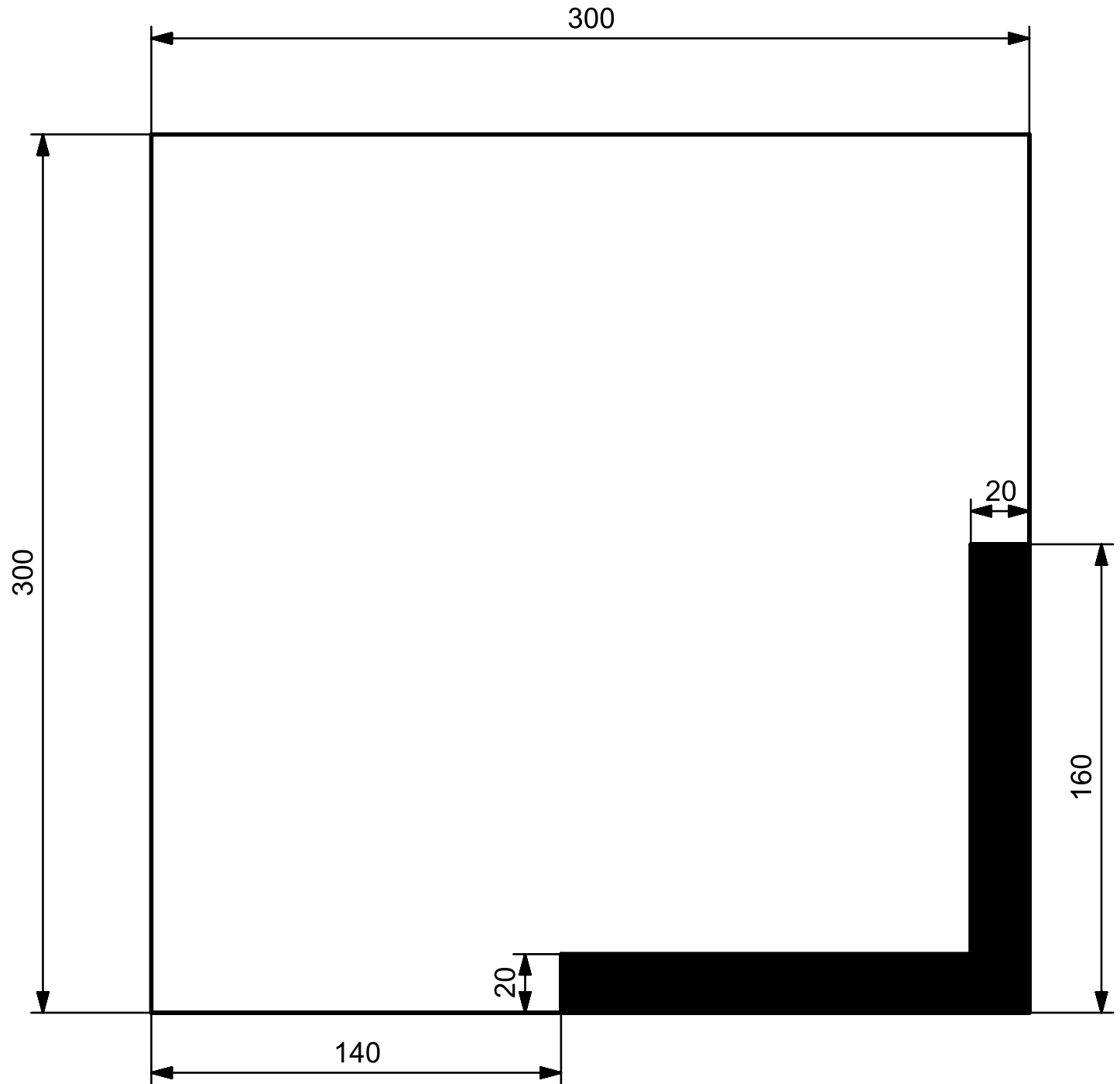
|                      |
|----------------------|
| Tile: 45° Corner     |
| Tile number: 40      |
| All dimensions in mm |



|                      |
|----------------------|
| Tile: Corner 90°     |
| Tile number: 41      |
| All dimensions in mm |

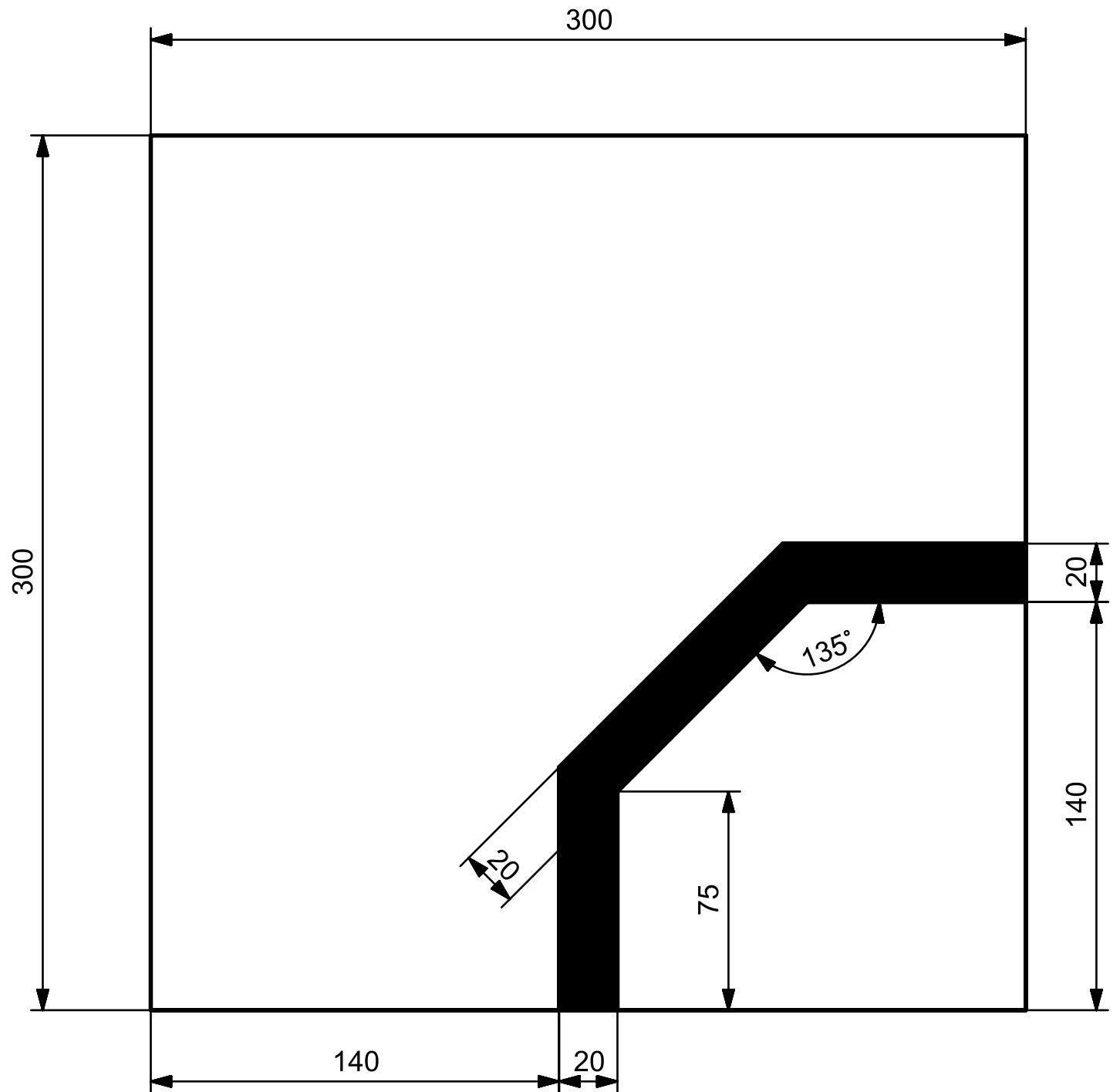


|                          |
|--------------------------|
| Tile: 90° Corner flipped |
| Tile number: 42          |
| All dimensions in mm     |

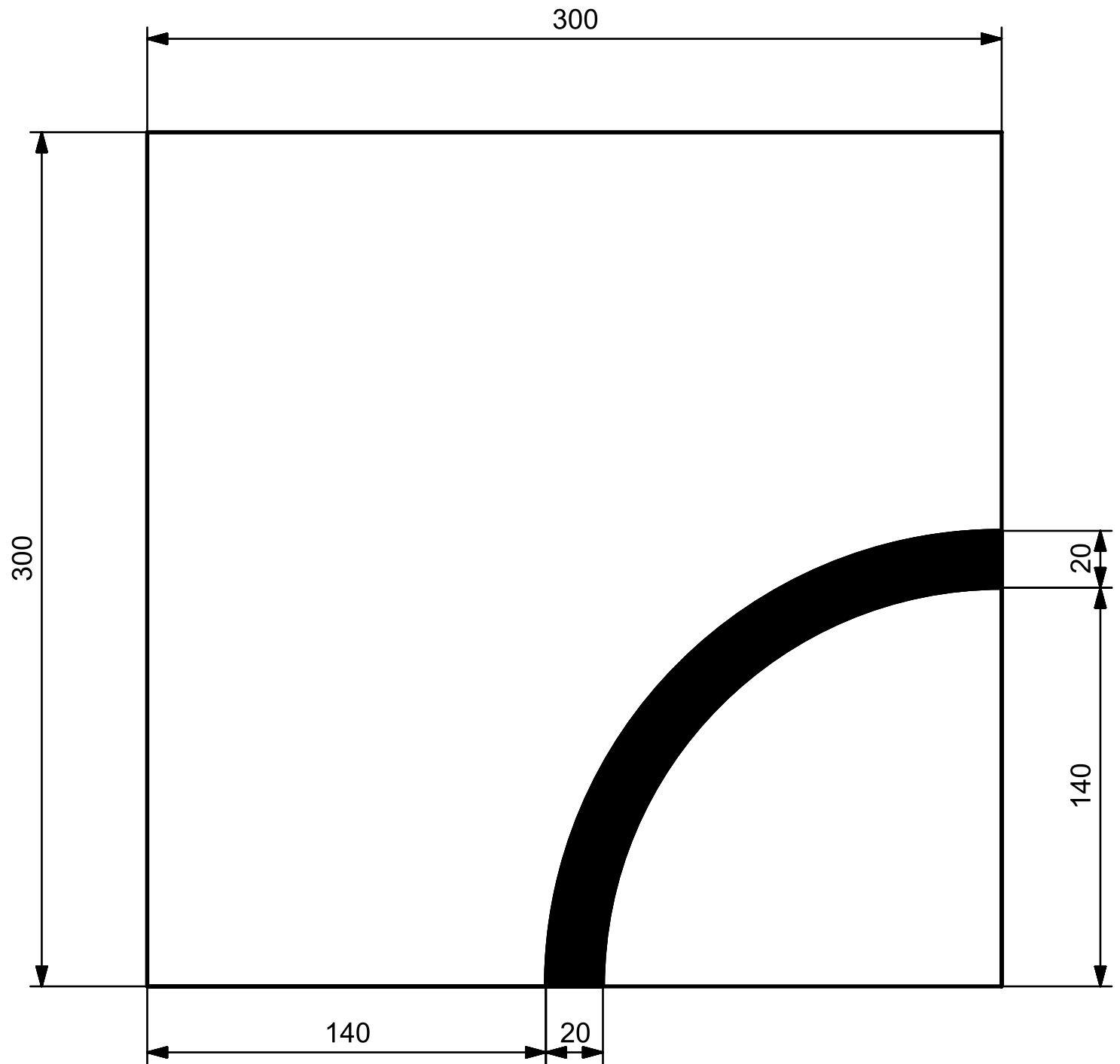




|                         |
|-------------------------|
| Tile: Double 45° Corner |
| Tile number: 43         |
| All dimensions in mm    |

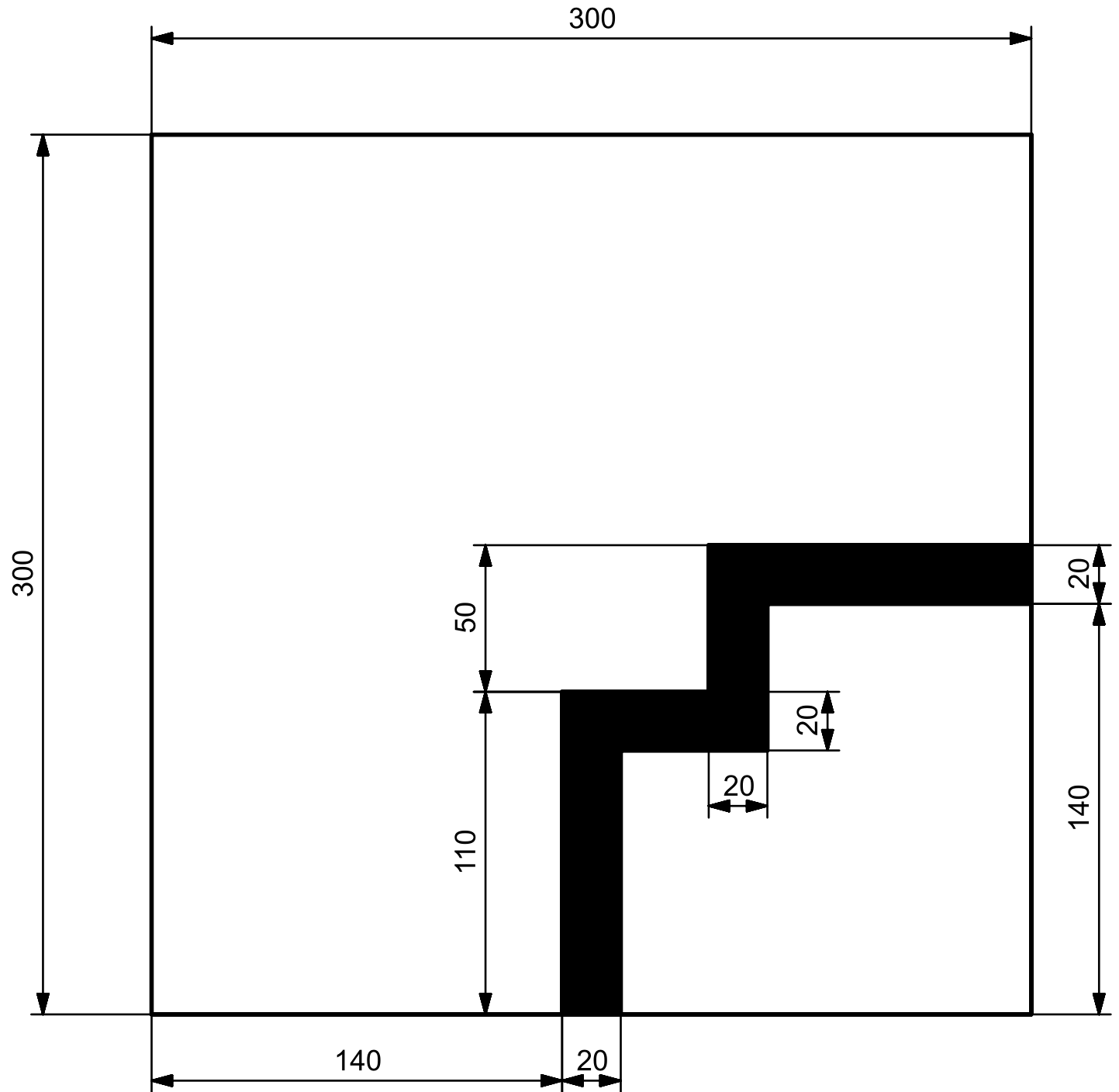


|                      |
|----------------------|
| Tile: Round Corner   |
| Tile number: 44      |
| All dimensions in mm |

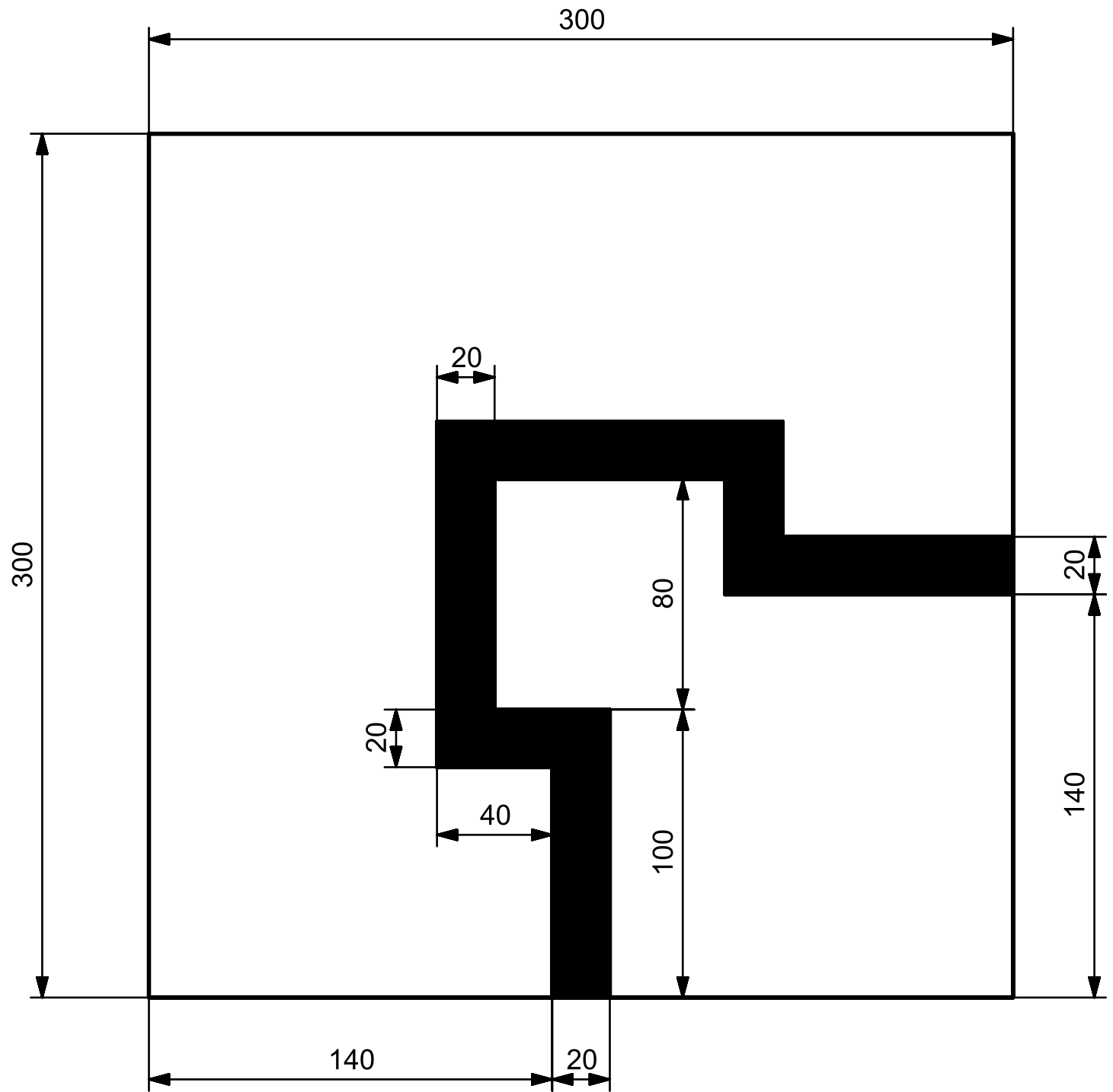




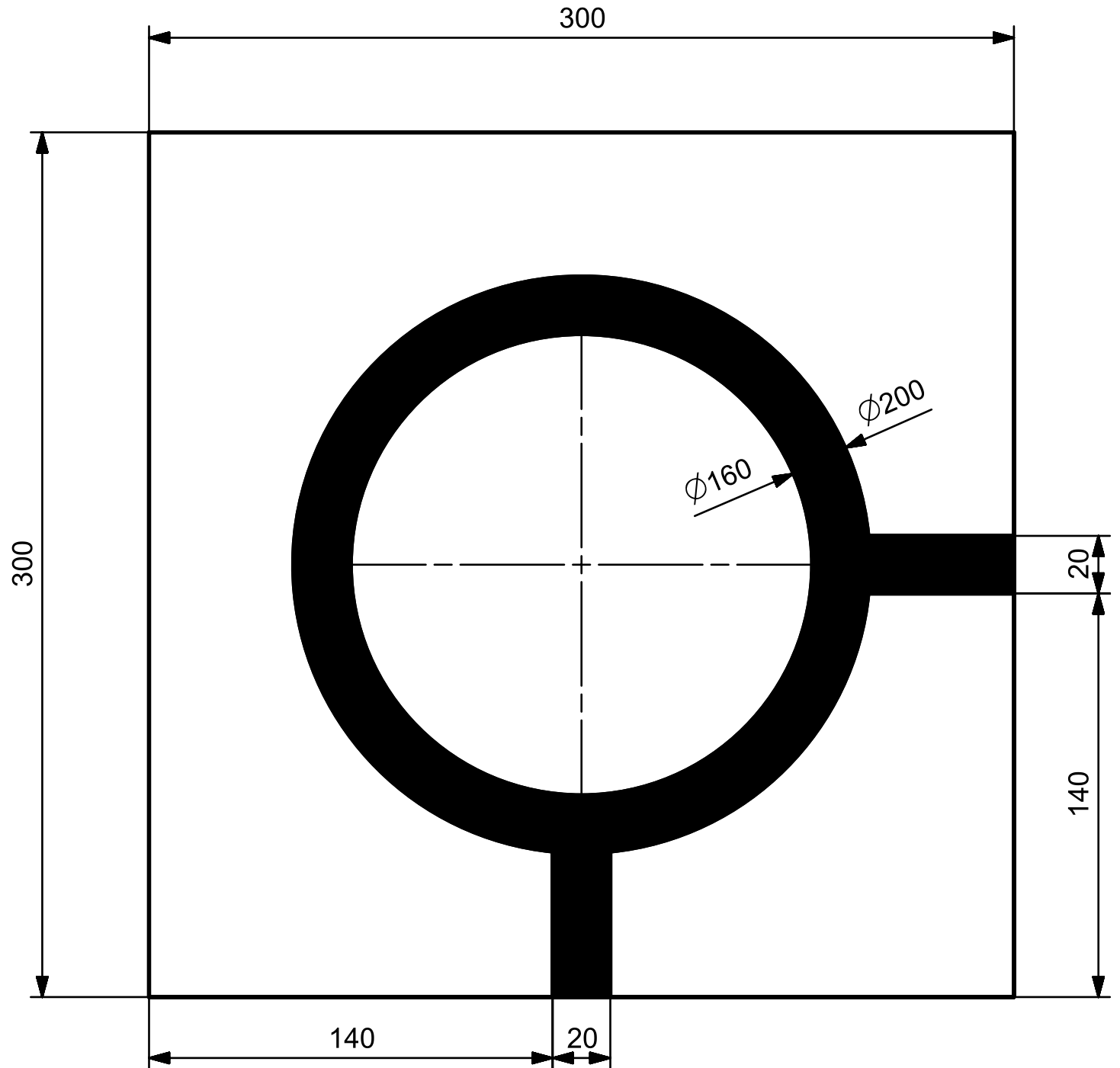
|                         |
|-------------------------|
| Tile: Triple 90° Corner |
| Tile number: 47         |
| All dimensions in mm    |



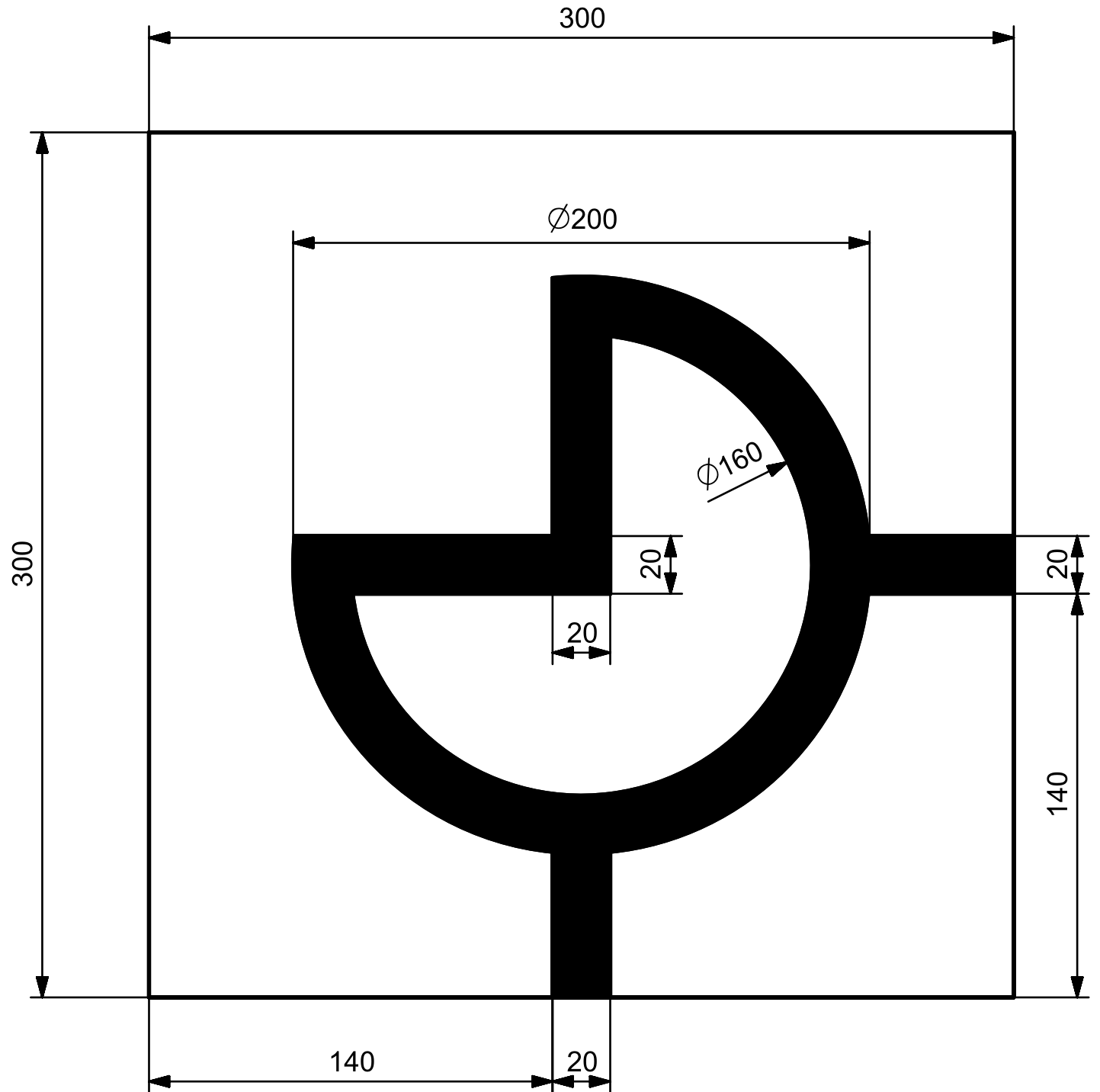
|                            |
|----------------------------|
| Tile: Quintuple 90° Corner |
| Tile number: 48            |
| All dimensions in mm       |



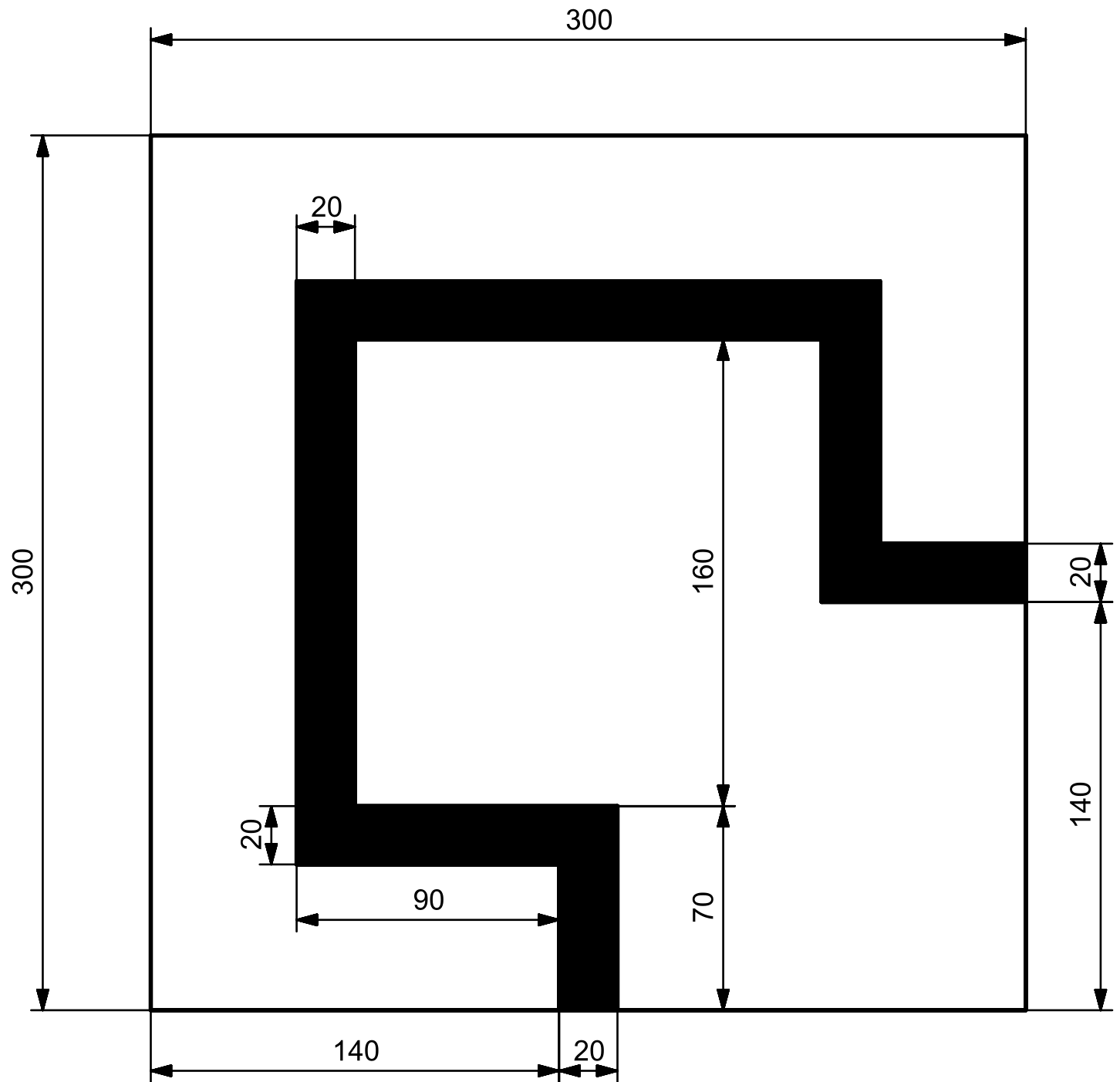
|                      |
|----------------------|
| Tile: Roundabout     |
| Tile number: 49      |
| All dimensions in mm |



|                         |
|-------------------------|
| Tile: Pacman Roundabout |
| Tile number: 50         |
| All dimensions in mm    |

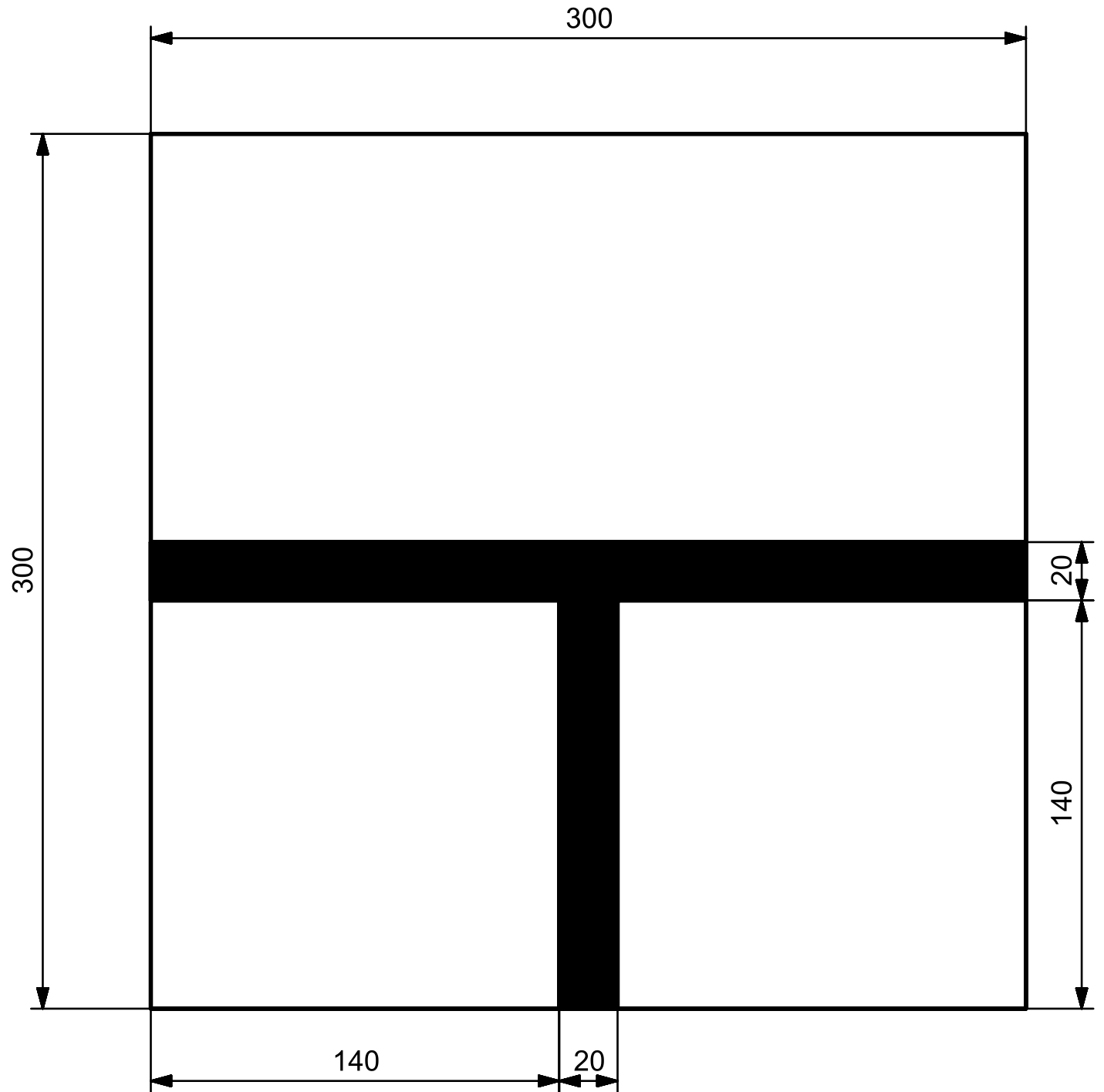


|                               |
|-------------------------------|
| Tile: Quintuple 90° Corner XL |
| Tile number: 51               |
| All dimensions in mm          |

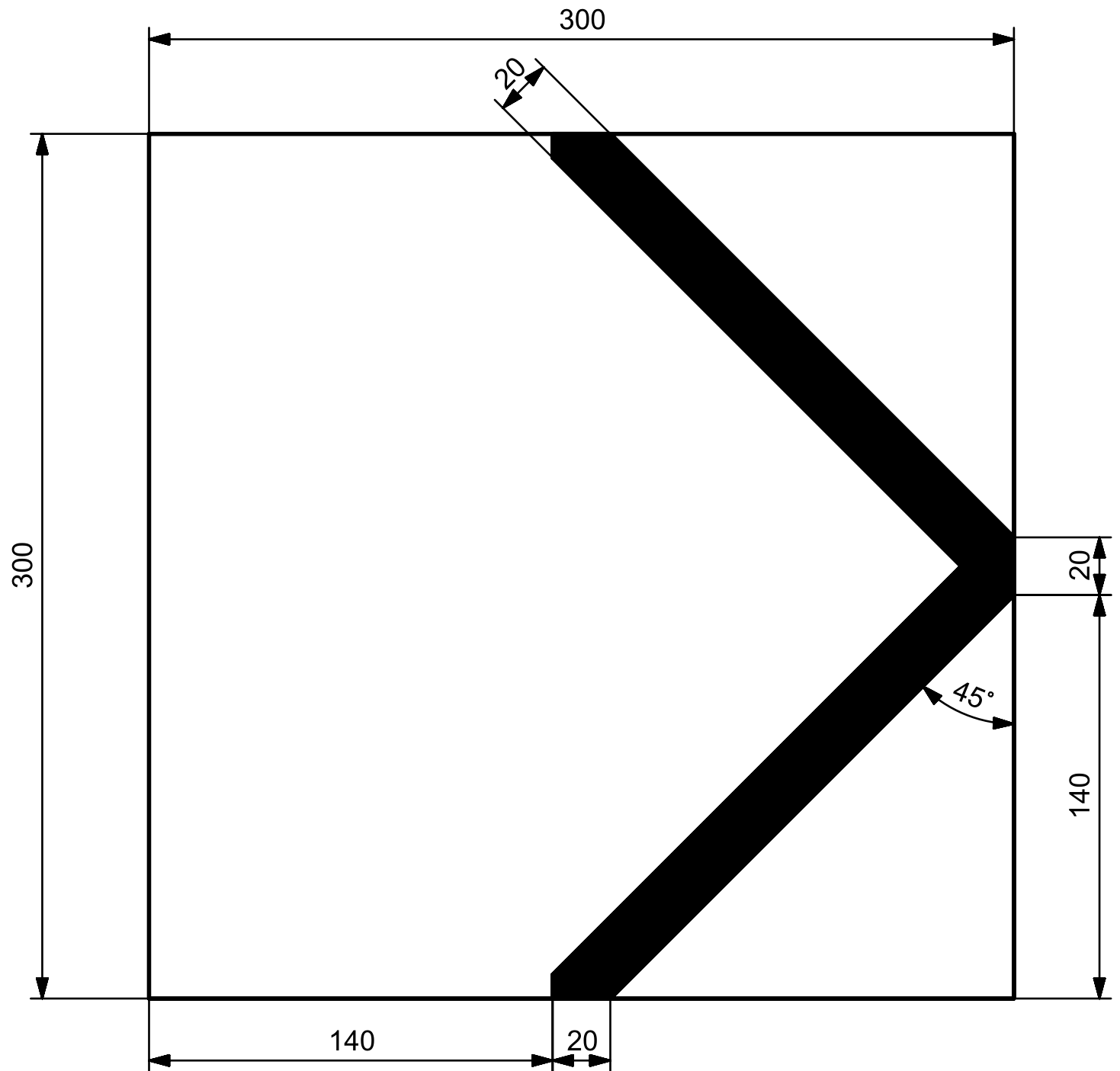




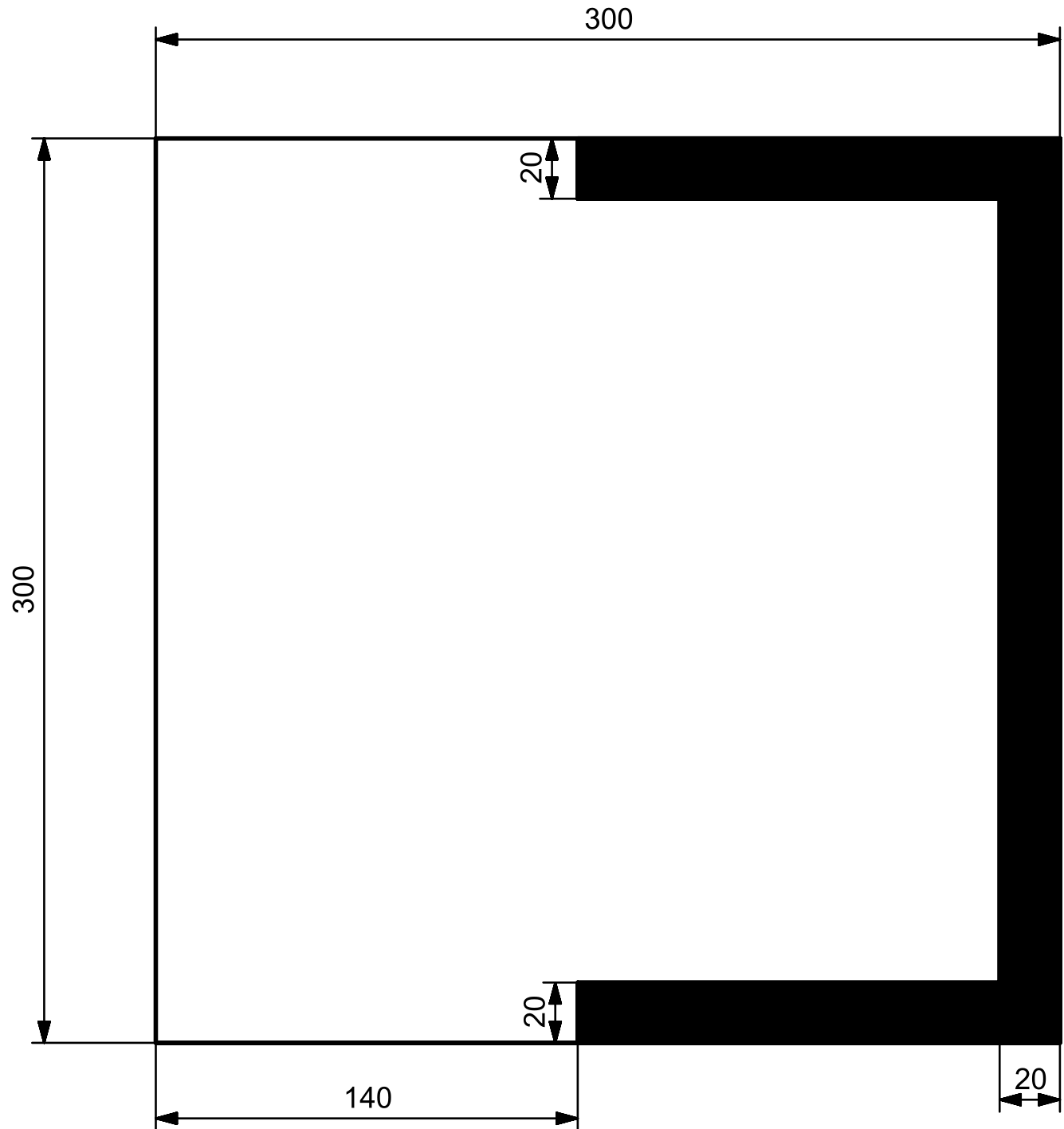
|                      |
|----------------------|
| Tile: T intersection |
| Tile number: 70      |
| All dimensions in mm |



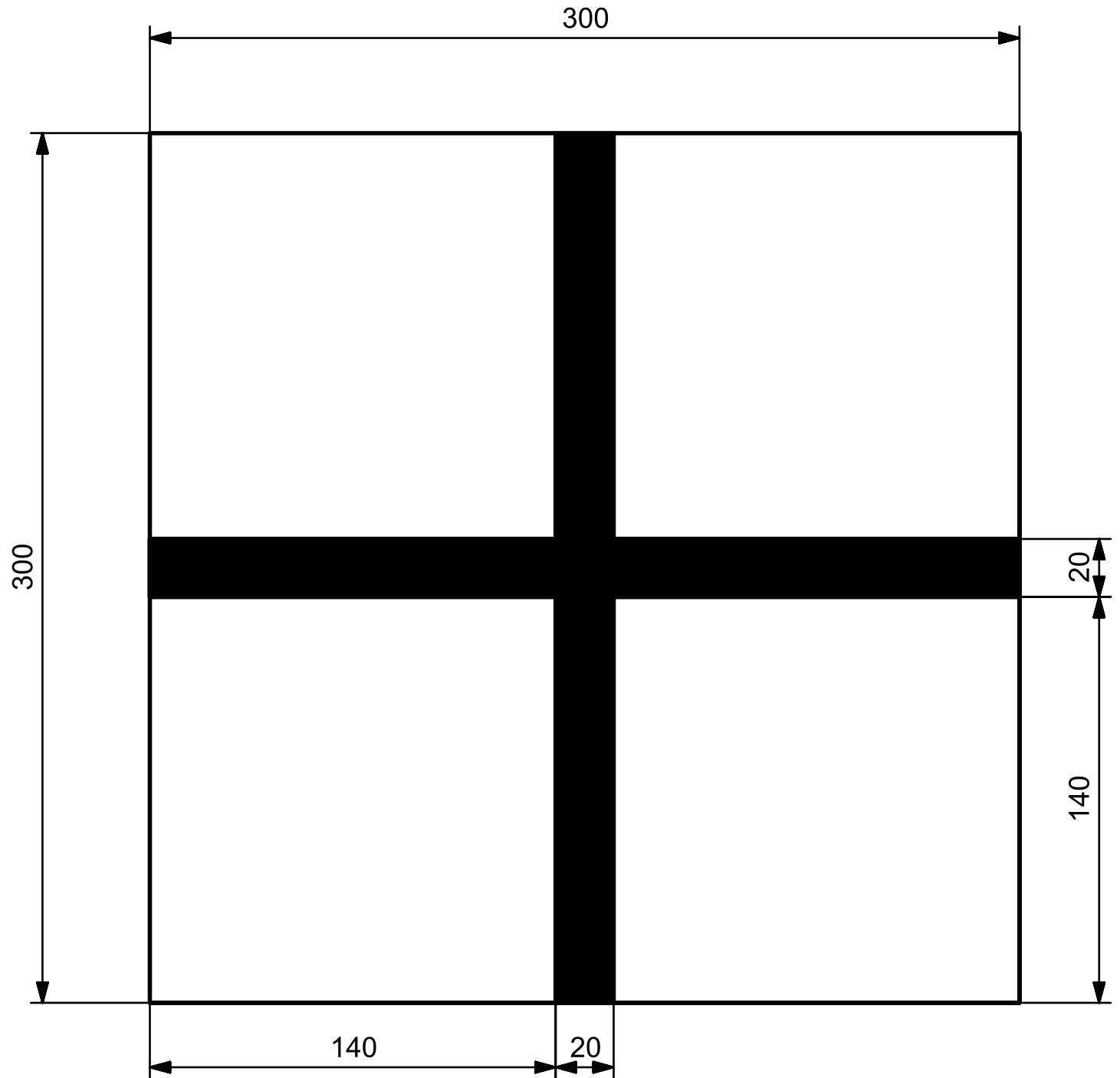
|                      |
|----------------------|
| Tile: Y intersection |
| Tile number: 71      |
| All dimensions in mm |



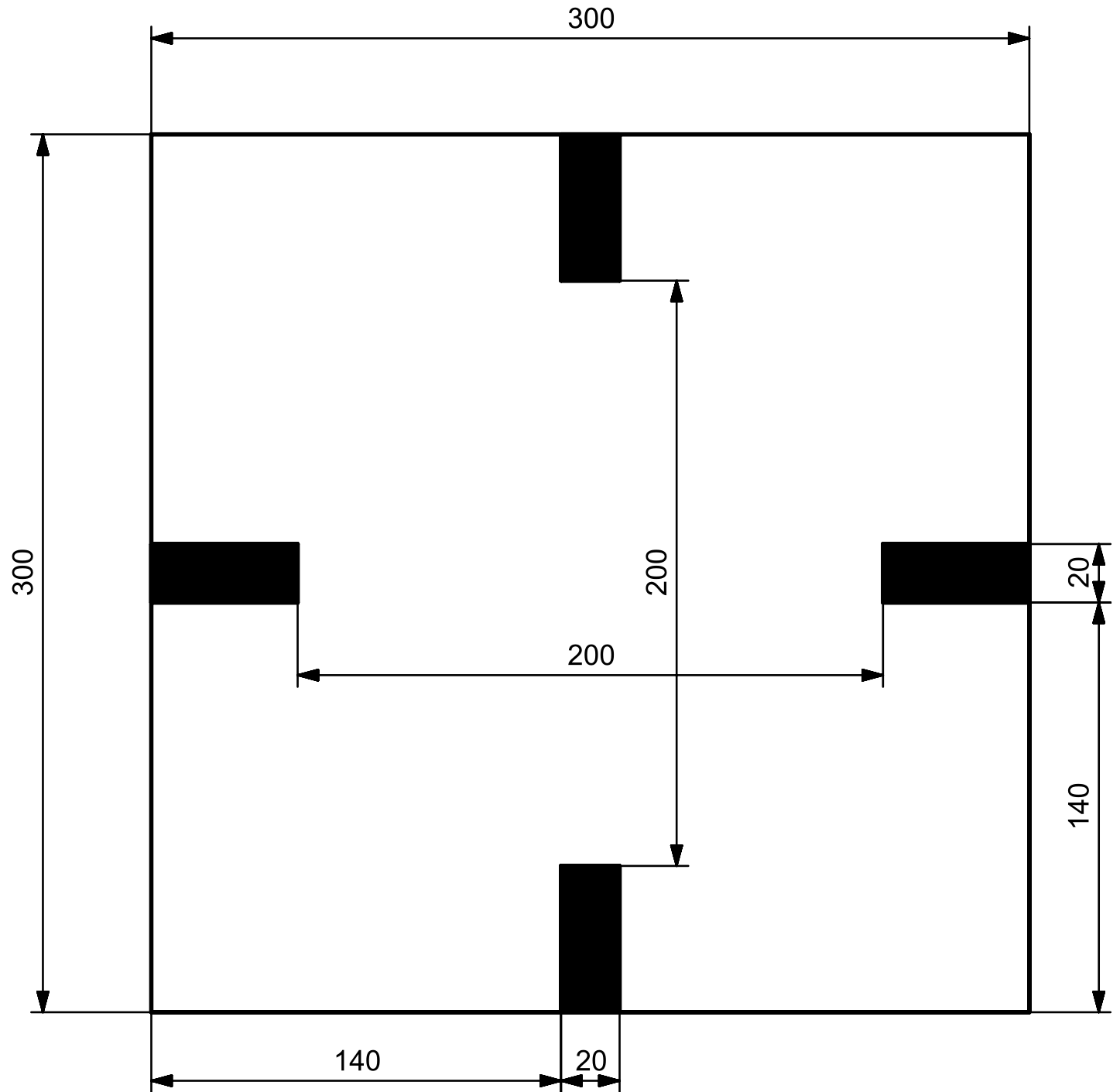
|                      |
|----------------------|
| Tile: Detour         |
| Tile number: 72      |
| All dimensions in mm |



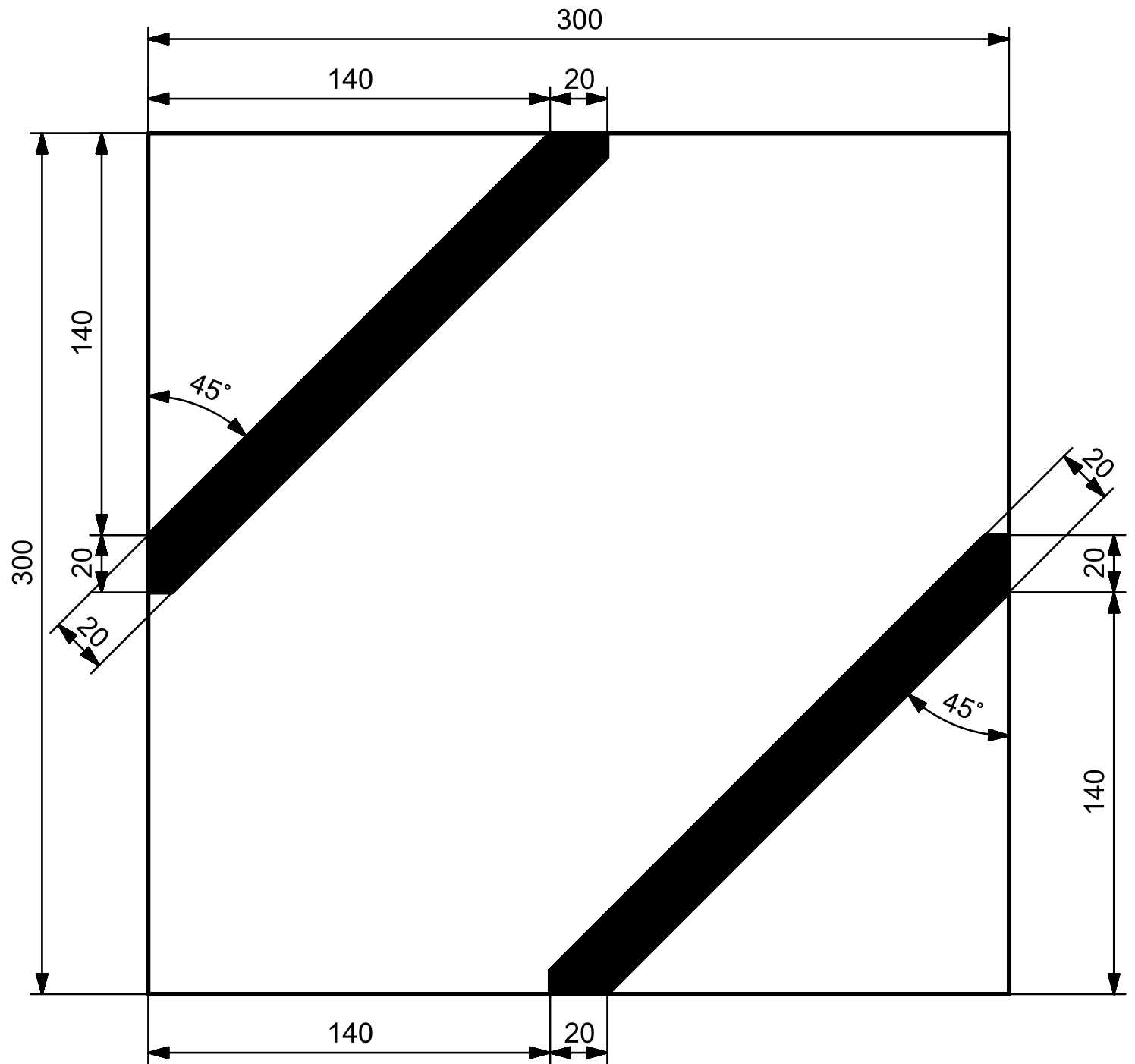
|                      |
|----------------------|
| Tile: Intersection   |
| Tile number: 80      |
| All dimensions in mm |



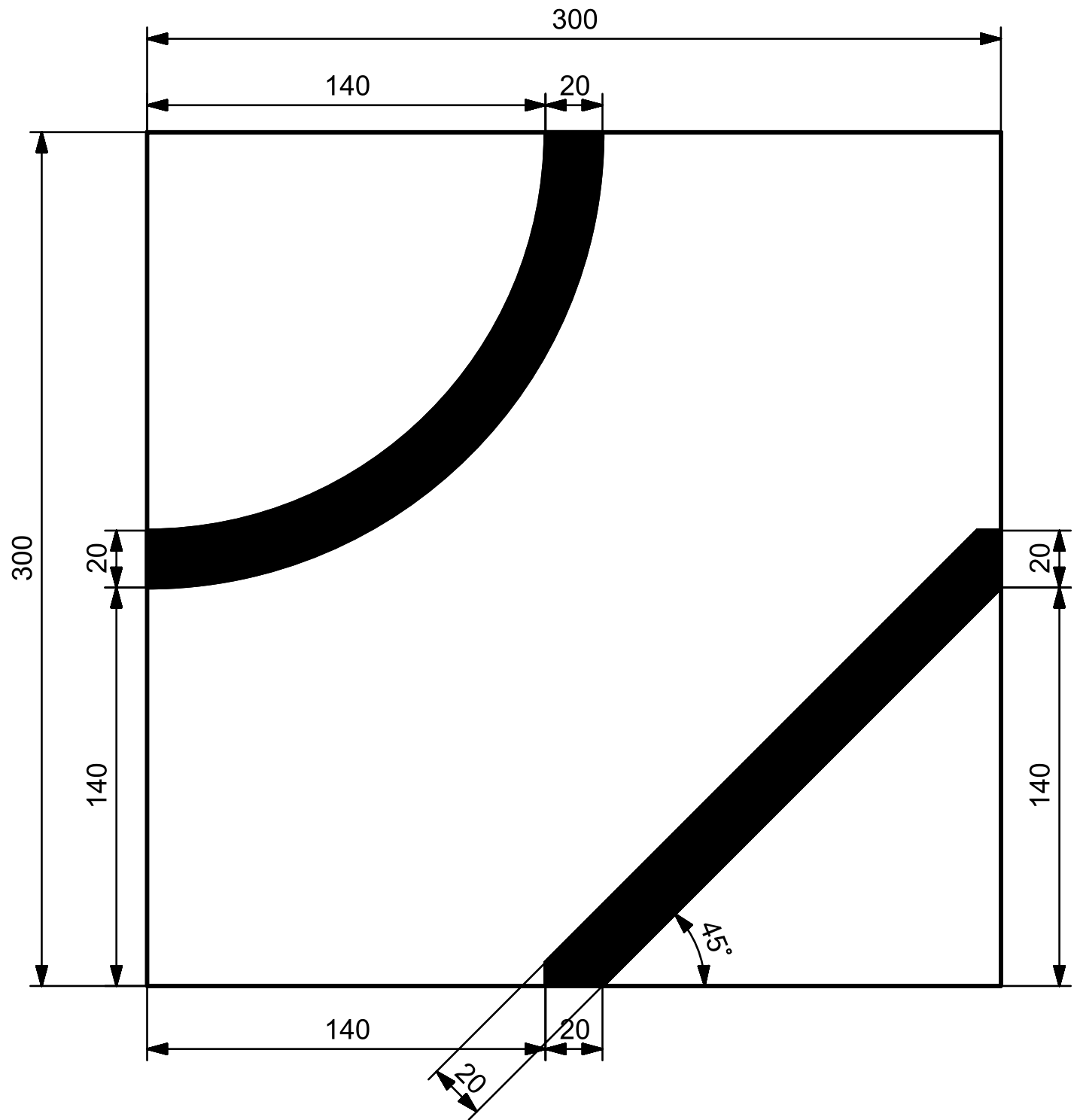
|                              |
|------------------------------|
| Tile: Gap Intersection 200mm |
| Tile number: 81              |
| All dimensions in mm         |



|                       |
|-----------------------|
| Tile: Two 45° Corners |
| Tile number: 82       |
| All dimensions in mm  |



|                          |
|--------------------------|
| Tile: 45° & Round Corner |
| Tile number: 83          |
| All dimensions in mm     |



|                      |
|----------------------|
| Tile: Goal           |
| Tile number: 99      |
| All dimensions in mm |

