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 ±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 (±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: Double Gap
Tile number: 12
All dimensions in mm
Tile: 90° Kink
Tile number: 13
All dimensions in mm
Tile: 90° Zig Zag
Tile number: 15
All dimensions in mm
Tile: Double Zig Zag
Tile number: 18
All dimensions in mm
Tile: Single Gap 200mm
Tile number: 20
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: 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: T intersection
Tile number: 70
All dimensions in mm
Tile: Detour
Tile number: 72
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