TECHNICAL INFORMATION

Total number of nodes: 24 (first print) + 24 (second print) = 48 nodes (4 variations)
Total print time: 2h 17m (first print) + 3hr 9m (second print)
Total material quantity: 6.67m (16g) (first print) + 6.36 (15g) (second print)
Material type: Z-ABS
Machine specifications: Zotrax M200 (first print) + Zotrax M200 plus (second print)
Layer thickness: 0,19mm
Support type, angles and specifications: Automatic, 20°
Supports required: none
Infill type, percentage, & pattern: Normal, 30%, Patt. 0 (first print) ; Normal, 50%, Patt. 0 (second print)
Seam: Normal
Mesh errors and fixes: No errors , reduced raft thickness from 7mm to 4mm (minimum thickness)

The nodes developed for the geometry consist of two parts: a static planar cross and a diagonal arm that can be customised to change its angle and orientation. This allows for an infinite catalogue of nodes that can produce varitions of the final aggregation of the basic module. For each fixed angle of the diagonal arm, two different nodes can be produced. Nodes with two variations of the angle have been 3D printed, resulting in 4 different final nodes.

Printed nodes





CATALOGUE OF PARTS

Node 1.a



Node 2.a



Node 1.b



Node 2.b

