



3/4" Dowel Joints



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Summary

T Joint, Elbow Joint, and Endcap for 3/4" nominal dowels

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I am working on a timer for a pinewood derby track and needed a quick and dirty frame, thus the dowel joints were born. These are designed for 3/4" dowels to snugly fit into and were tested in horizontal and vertical orientation. The slots printed vertically had a bit more slop than the ones printed horizontally but for my use case these will suffice. I think this concept is really useful for building out all sorts of things, 3/4" is a large dowel but I think the size is going to result in a surprisingly sturdy frame.

Model files



elbow-joint.3mf



t-joint.3mf



end-cap.3mf

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