



instructables

Shaft Connection Coupling for 250Rpm Yellow Motor With Mecanum Wheel With Hexagon Connector



by Metotechs

Hello; In this project, I designed a connection coupling to connect the hexagonal connector wheels with 7mm corner to corner and 6mm edge to edge 250Rpm Yellow motors. I'm sure it will work for you. :)

Supplies:

Download the .stl file I attached and slice it in your 3D design slicer program. My slicing settings; Layer Height: 0.2mm, Number of Wall Lines: 3, Fill Density: 100%, Support: None



Step 1: Mounting the Coupling Between Wheel and Engine

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Push firmly, aligning the hexagonal side of the printed coupling with the hexagonal side of the wheel. If there is a gap, push firmly again using the appropriate type of adhesive. Then push the other end of the coupling firmly into the power transmission part of the motor and tighten with the 2mm screw. If there is a gap here too, you can repeat this process using the appropriate type of adhesive. If the final state of the assembly looks like the photos I added, your project is complete. :)



