# 60 Foot turntable design

The turntable requires the following components :

Laser Cut

* Turntable bridge cut in 3mm ply
* Turntable well base in 3mm ply
* 60 to 20mm reduction gear with belt drive
* 6mm base to mount stepper, control pcb, micro-stepper driver, motor spacers and 6 x base support
* Stepper motor Arduino PCB

Resin printed

* Turntable wheels
* Wheel mounts
* 10 x Handrails

PCBs

* Hall effect pcb
* Power contact, pcb with 4 concentric circles (2 each side) each offset 45 degrees
* Pick PCB

## Roller wheels

Height above deck measured from base to bottom of deck 18.5mm

* Wheel diameter is 12mm, therefore distance to centre of axle is 12.5mm
* Wheel thickness is 3mm
* Wheel diameter is 16mm, therefore distance to centre of axle is 10.5mm
* Wheel thickness is 3mm

## Wheel Block

Top is 32mm long by 12mm wide by 3mm deep