

VELO lamp

By
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Project Type
Make-it-Yourself

Category
Lighting

Waste Materials
Bike Parts,

Hits
4,961

Velo is a unique table lamp reproduced from one single bike wheel. The main structure is formed by closely interweaving bike spokes through their original holes in the wheel hub. The high carbon content of most bike wheel parts make them virtually impossible to break down and recycle; the Velo lamp is produced from these parts. The variation in color, size and form of bicycle wheels, provides each Velo lamp with a unique aesthetic.

VELO

DESTRUCTION MANUAL



7 Using round-neck files and a steel rule, gently bend in all the outer number of spokes at the five mark. The smaller part of the spoke should be bent up inside to 90 degrees and held.



8 Repeat straight spokes into a position facing the hub when the spokes are bent and be angled through them, depending on the bottom set of tubes, cut through the bottom set of tubes.



9 Insert bent spokes into alternate holes in the hub shell. The unthreaded end will be pushed through first, diagonally. Note the top set of holes, down through the top set of holes. (See image 2)



10 Bend all spoke flange ends into a position facing the hub when the spokes are bent and be angled through them, depending on the bottom set of tubes, cut through the bottom set of tubes.



11 Cut the 2 inner inside lighting cord into 2 x 3 inner lengths, connect cords to light switch and main plug. Feed the unconnected end through the hollow hub shell.



12 Connect the light cord to the light bulb. Using a utility knife, cut the bottom half of the hub shell to the bottom of the hub shell. See image 2.



1 Remove the tire and tube. Without an inner tube if present, remove the tire from the rim, turning the rim 180 degrees in opposite direction using a double tapered.



2 Remove excess rubber wheel using a utility knife to reach center. Spoke flange are now exposed.



3 Flatten all spoke flange using a flathead screwdriver. The spoke flange, using flat head, if they are removed spokes from hub shell.



4 Secure hub shell (pictured black) into a Metal Lathe machine; the unthreaded end of the hub shell should be exposed. Set the internal cutting diameter to 20mm.



5 With the wheel on the lathe, turn the hub shell. Make sure the utility knife is used before drilling. Slowly drill into the hub shell.



6 Remove all dirt and all inner spokes and hub shell using a sharp utility knife. Make to dry, then clean with a utility knife using fine wire wool. Mark all spokes down from threaded end.









Materials & Equipment List

Product Components
Re- Used - Bike Wheel Hub Shell- Stainless Steel Spokes
Additional - E14 Filament Light bulb- SES Nickel light bulb holder - Light switch and wall plug- Textile lighting cord
Equipment- Long + Round Nose Pliers- Flat + Cross Head Screwdriver- Metal Lathe Machine (26mm cutting bit)- Fine Wire Wool- EcoGlue (or any eco-friendly adhesive) - Clean Cloth- Steel Ruler- 2 x Adjustable Spanner- 1 x Scrap Plywood Sheet (10 x 10cm)

Making Instructions



