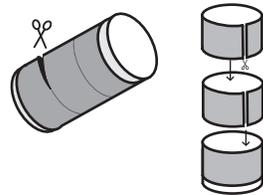


1 Remove the top of the aluminium can and cut it in three parts.

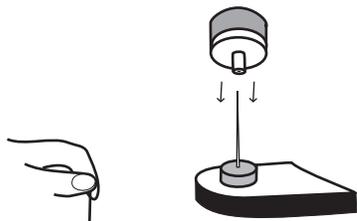


2 Cut the two top hoops. Press and place them in the base. This will make the wall of the base can thicker.

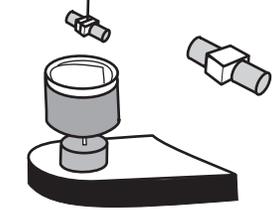
3 Make a hole in the can base and fix a pen lid with a small washer.

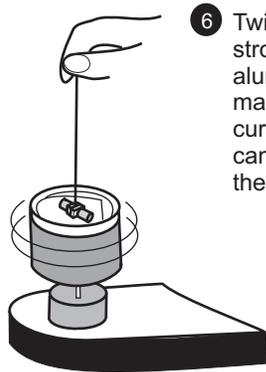


4 Place the aluminium can on the tip of a sharp bamboo stick so that it can spin freely. The pen lid and washer will make a good bearing.



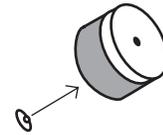
5 Fix two strong cylindrical magnets on a piece of rubber. Tie a thin thread to the rubber. The magnets must spin freely on the thread.



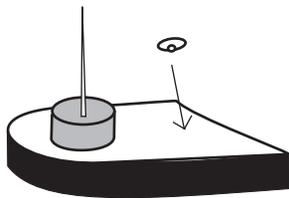


6 Twist the thread and spin the strong magnets inside the aluminium can. The spinning magnets will create eddy currents in the aluminium can. This will make the can spin too.

Spinning magnets should not touch the can

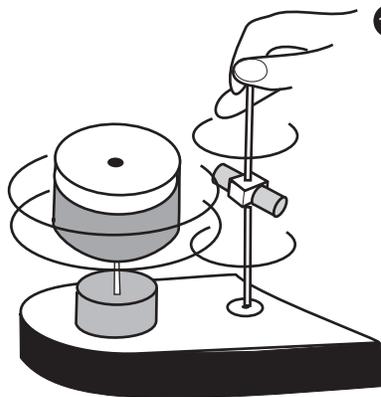
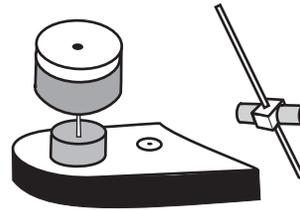


7 Make a small hole in the base of an aluminium can and fix the pip of a press button. This will make a very smooth bearing.



8 Fix another press button in the rubber base of the stand. This depression will enable you to spin the magnets close to the can.

9 Perch the aluminium can on the pointed bamboo stick as before. Pierce a cycle spoke through the rubber between the two magnets.



10 Place the tip of the spoke in the press button and spin it near the can. The magnets must not touch the aluminium can. The spinning magnetic field will produce eddy currents in the aluminium can and it will spin too!

Spinning magnets produce Eddy currents in the aluminum cans. These current produces a magnetic force which interacts with the strong neodymium magnets making the aluminum cans spin.