

TEDCO Original Gyroscope

P80.25

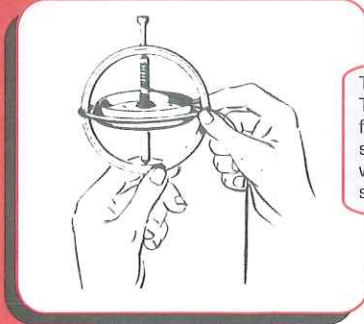
Since the turn of the 20th century until 1982, Chandler Manufacturing Company made millions of gyroscopes just like this one. Since 1982, TEDCO has continued the tradition of producing this fun, educational toy.

Your gyroscope should be handled with care to avoid damage to the frame and delicate wheel balance. Please notice the split in the frame. This does not mean your gyroscope is broken. It's made that way for the hand assembly and final balancing adjustments. The two ends at the split should only butt together.

An occasional drop of oil on the spindle points will keep your TEDCO gyroscope in good working condition for years to come.



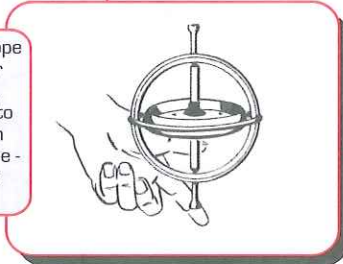
HERE'S THE SECRET



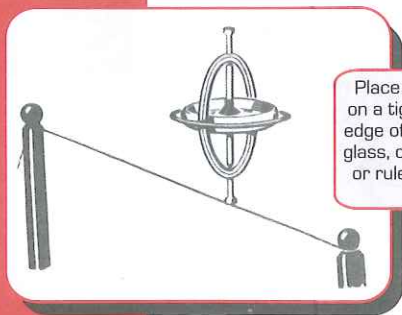
The wheel of the gyroscope must spin rapidly. To get your gyroscope spinning, hold the frame firmly in your hand. Thread the string through the small hole near the top of the spindle. Turning the wheel, carefully let the string wind around the spindle - from hole to hub and back again.

Be sure to keep the winding as smooth and tight as possible, and be sure to keep the winding between the hole and the hub. To create the rapid spin, pull the string away from the gyroscope with a quick, strong motion.

Place the spinning gyroscope on its plastic pedestal or on the tip of your finger. The gyroscope will seem to defy gravity and maintain its relative position in space - no matter how the base is moved around.

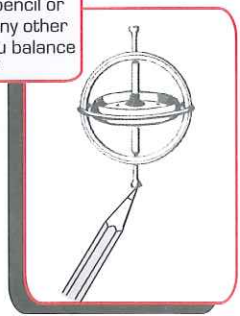


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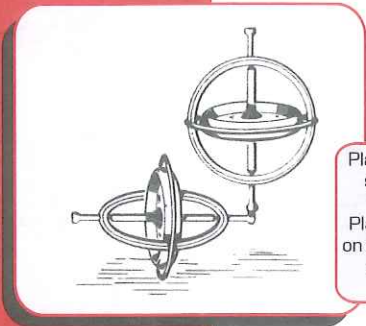


Place the spinning gyroscope on a tight wire or string, on the edge of an unbreakable drinking glass, on the edge of a yardstick or ruler, or on the edge of any sturdy surface.

Place the gyroscope on the end of a pencil or pen. How many other objects can you balance it on?

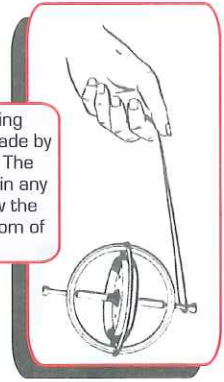


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Place the spinning gyroscope so that it balances on the horizontal frame. Place a second spinning gyro on the end of the first and they will maintain balance and position together.

Suspend the spinning gyroscope in a loop made by doubling the string. The gyroscope will maintain any angle above or below the horizontal at the bottom of the loop.



Use your imagination to discover other amazing tricks.



The forces demonstrated in your TEDCO Gyroscope are the same as those first observed by Issac Newton in the 18th century. They are put to use today in gyro-controlled guidance and navigation systems in ships, planes and spacecraft, in accurate mapping and survey work, in oil well drilling and even motion picture making. You can master and learn about these same forces behind today's (and tomorrow's) important gyroscope uses.

IMAGINATION HAS NO BOUNDARIES

TEDCO®

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Gyroscopic forces have amazed mankind for hundreds of years. Now these amazing forces are yours. You can perform feats that seem to defy gravity. Your gyroscope will spin on its pedestal...dance on a string tightrope...balance perfectly on the lip of a drinking glass. Discover the secret and make your gyroscope do these and other astounding tricks. Complete instructions, pedestal and string inside.

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