

**GEEK  
& CO.  
CRAFTS!**

INSTRUCTION MANUAL

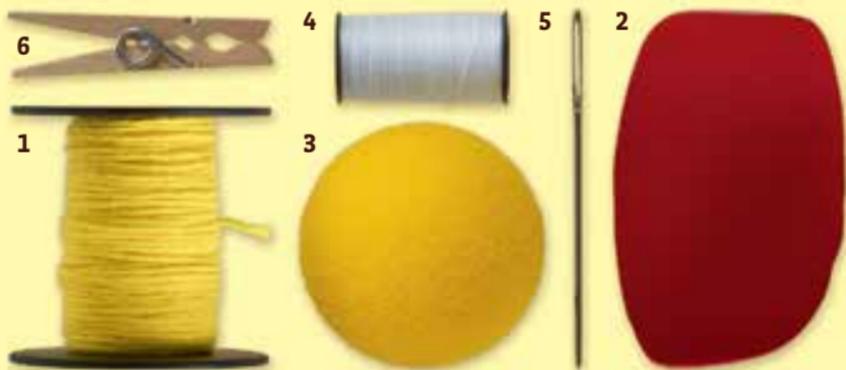
# BRaiDeD SLINGSHOT



**THAMES & KOSMOS**

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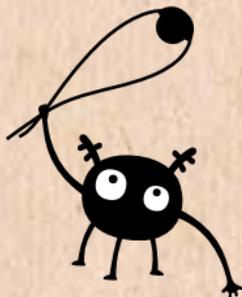
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- |   |                                 |   |               |
|---|---------------------------------|---|---------------|
| 1 | Yellow cord (30 meters)         | 4 | Sewing thread |
| 2 | Piece of red artificial leather | 5 | Needle        |
| 3 | Yellow foam ball                | 6 | Clothespin    |

**YOU WILL ALSO NEED:** Measuring stick, tape, scissors, wax paper, pencil, fabric scraps, pins, millet seeds, funnel, old nylon sock, empty can, colored paper, glue stick, felt-tip pens, large piece of cardboard, stick, colored pencils or crayons

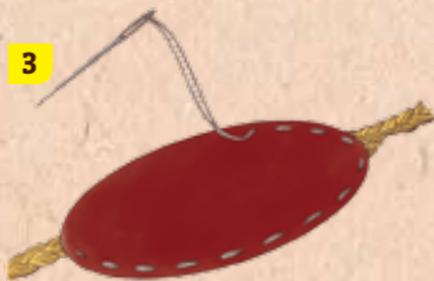
## Dear Slingshot Makers,

With this kit, you will be able to braid your very own slingshot in the blink of an eye. Learning how to shoot the slingshot requires a little practice, but you'll get the hang of it soon enough. Then, you and your friends will be able to get together for slingshot distance shooting contests and target shooting contests, using tin cans or a circular target.



**3** Now guide the needle and thread through the second hole and through the braided cord again. Continue sewing in this manner, inserting the needle from above and below in alternation and pulling the thread tight each time. Always use the pre-punched holes. This will ensure that the seam is nice and straight.

**4** Once you have sewn on the pouch, finish by burying the thread on the rear side of the cord. To do that, make a few stitches in one spot, pulling the thread through the loop you create each time. Now your homemade sling is done.



**3**



Sewing on the pouch



**4**

## Braiding makes ropes stronger?

Braiding makes ropes stronger than their individual strands because of the friction between the strands. Forces are distributed between all the individual fibers in a braided strand, decreasing the force any one fiber has to take on its own, and reducing the likelihood of the fiber snapping. Braiding also gives a rope elasticity, or springiness, which allows it to absorb stronger forces, rather than snapping.

ball hangs nice and straight with the back side of the pouch facing upward. Place the ball in the pouch with your other hand.

3



- 2 Position your left leg a little bit forward and turn to your right until your back is parallel to the direction that you want to shoot the ball. Swing the sling once or twice above your head in a clockwise direction, and then let go of the end without the loop in one quick motion. The ball will fly off in a high arc.

- 3 Instead of swinging the sling above your head, you can also try swinging it in a circle alongside your body.

## TIP!



*If you are left-handed, do everything in reverse — take the sling in your left hand, position your right leg forwards and swing the sling in a counter-clockwise direction!*

*Throwing the ball with the sling takes a little practice, and you will need some time before everything comes off just right. When you start, it's best to concentrate just on shooting the ball. After you are a little more confident with your sling, you can try to aim the ball at an object — a tree or a wall, for example. You will see how it gets easier, and your hit rate will rise!*