
Subject: Bram's Cube by OSKAR

Posted by [Oskar_van_Deventer](#) on Thu, 02 Jul 2009 19:46:22 GMT

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Hi Shapeways fans,

Today, I completed Bram's Cube. It is a 2x2x2 Rubik's Cube with gears, after an idea by Bram Cohen. The gears give this classic puzzle an extra dimension.

You can buy this puzzle in my Shapeways Shop at
http://www.shapeways.com/model/31121/bram_s_cube.html

See the YouTube clip at
<http://www.youtube.com/watch?v=x9eQtaSn2p4>

See below for some photos.

Enjoy!

Oskar

File Attachments

- 1) [Bram's Cube v3 - Prototype.jpg](#), downloaded 577 times
 - 2) [Bram's Cube v3 - Prototype twisted.jpg](#), downloaded 575 times
 - 3) [Bram's Cube v3 - Prototype turned.jpg](#), downloaded 559 times
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Subject: Re: Bram's Cube

Posted by [TomZ](#) on Thu, 02 Jul 2009 20:02:12 GMT

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Can the puzzle also do half turns on the faces that have the gears?

Subject: Re: Bram's Cube

Posted by [Oskar_van_Deventer](#) on Thu, 02 Jul 2009 20:48:30 GMT

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Hi Tom,

The top face can make quarter turns in relation to the bottom face. The gears are then following at half speed, i.e. one eighth turn per quarter turn of the top face.

The side faces can only make half turns. In that respect, the movement is more limited than a true 2x2x2 Rubik's Cube.

I hope the YouTube clip provides some clarification.

<http://www.youtube.com/watch?v=x9eQtaSn2p4>

Oskar

Subject: Re: Bram's Cube

Posted by [MaxSMoke777](#) on Fri, 03 Jul 2009 19:54:50 GMT

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Remarkable mechanics! It's amazing how well they work.

I've had some interest in ordering a copies of your puzzles, but the costs have been frightening.
