Gear Pyraminx 2

a.k.a. Gear Mastermorphix
Designed by Oskar van Deventer, sold by Mefferts 2012.
(plastic, each edge is 3.5";
other two faces are red and green)

Six 180 degree turns brings it back to shape, and 12 180 degree turns brings it back to where it was.

Further Reading
Jaap's Page, from: http://www.jaapsch.net/puzzles/gearcube.htm

Copyright J. A. Storer