



Evertible Platonic Solids



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Summary

There are quite some evertible platonic solids available and I plan to make them available as a toy in this thing....

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There are quite some evertible platonic solids available and I plan to make them available as a toy in this thing.

Generally they consist of a header and a belt. Once you remove the header, the belt

becomes evertible.

How to make them:

Please print the items as is without any addiontional rotation using support.

It is a good idea to use different colors for that.

Remove the support and finalize the holes with a 2 mm drill in belt objects

Then use filament strips to connect the parts of the belt.

Schneider Cube: Print 2 Headers and 4 Sets of Belt pieces. Originator: Konrad Schneider

Sykora Octaeder: Print 2 Headers and 6 Sets of Belt pieces. Originator: Friedemann and Immo Sykora

Maas Dodekaeder: Print 2 Headers and 10 Sets of Belt Pieces: Originator: Wolfgang Maas

To come:

- Tetrahedron from Franz Sykora
- Cube from Robert Byrnes
- Cube from Paul Schatz
- Cube from Wolfgang Maas
- Octahedron from Robert Byrnes
- Dodecahedron from Robert Byrnes
- Dodecahedron from Immo Sykora

Category: Playsets

Model files



schneider_header.stl



sykoraokt_header.stl



schneider_belt.stl



dodecahedron_wmaas_header.stl



sykoraokt_belt.stl



dodecahedron_wmaas_belt.stl

[Find source .stl files on Thingiverse.com](#)

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