# How to tighten the screws

1. It is always recommended to tighten the screws deep enough.The tighter the screws are, the more stable a puzzle will be (and probably more stiff while making turns).

2. Always leave a little bit of radial space along the screw so that the center cap can be lifted by around 1~2mm for single layered models.
**For those in-between models, like #65, #85, #88, #89, it is recommended to tighten further.
**For neat multiple layered models like #61, #75, #87, tighten the screws to their full depth.

3. Rules of thumb. Tension adjustment is in general dependent on personal judgement. Different tension could result in very different feel. Start with simple models and accumulate your own sense. Use different springs, screws, nuts if you think the default set can't provide your favorite handle.

4. Previous description of sticking screws out of nuts by 1-3mm is misleading in some cases and is not anymore recommended. Reason: the height of caps varies in different models.

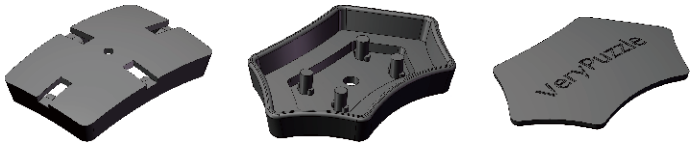
VeryPuzzle
2021/08/06

VeryPuzzle

## Rhombic Tuttminx V1.0 F1
## D1RT5-M5-F1
## #65

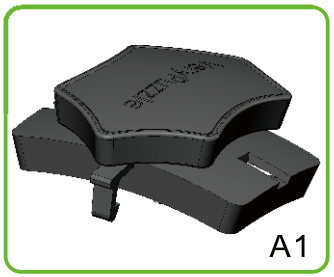
1000+ parts
42 axes

**1**




30x 30x 30x

60x 30x 30x 30x

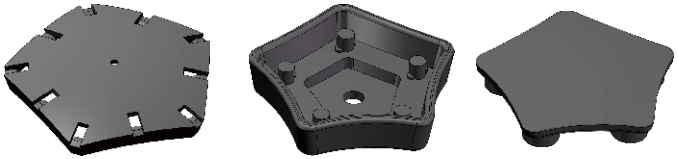


A1

**30x**

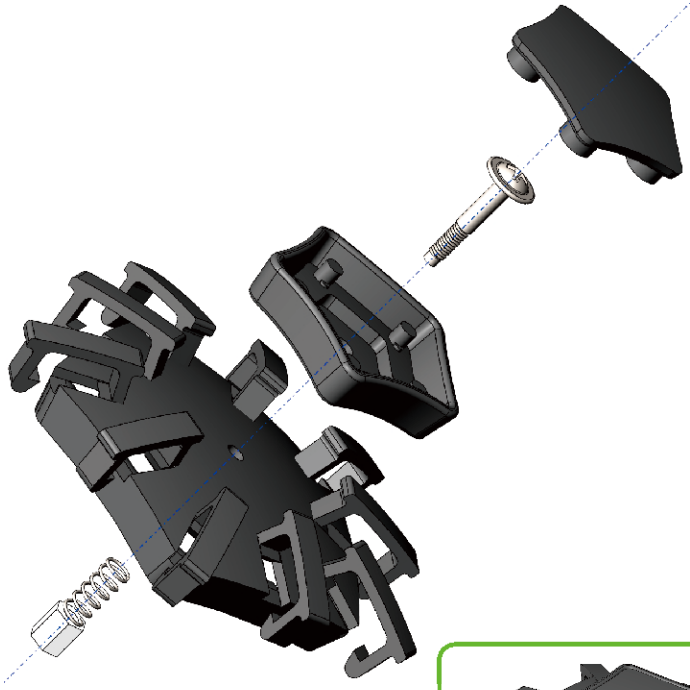


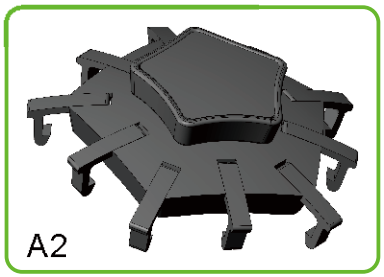
**2**



12x 12x 12x

120x 12x 12x 12x

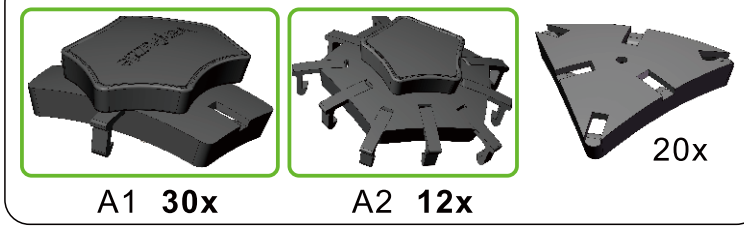


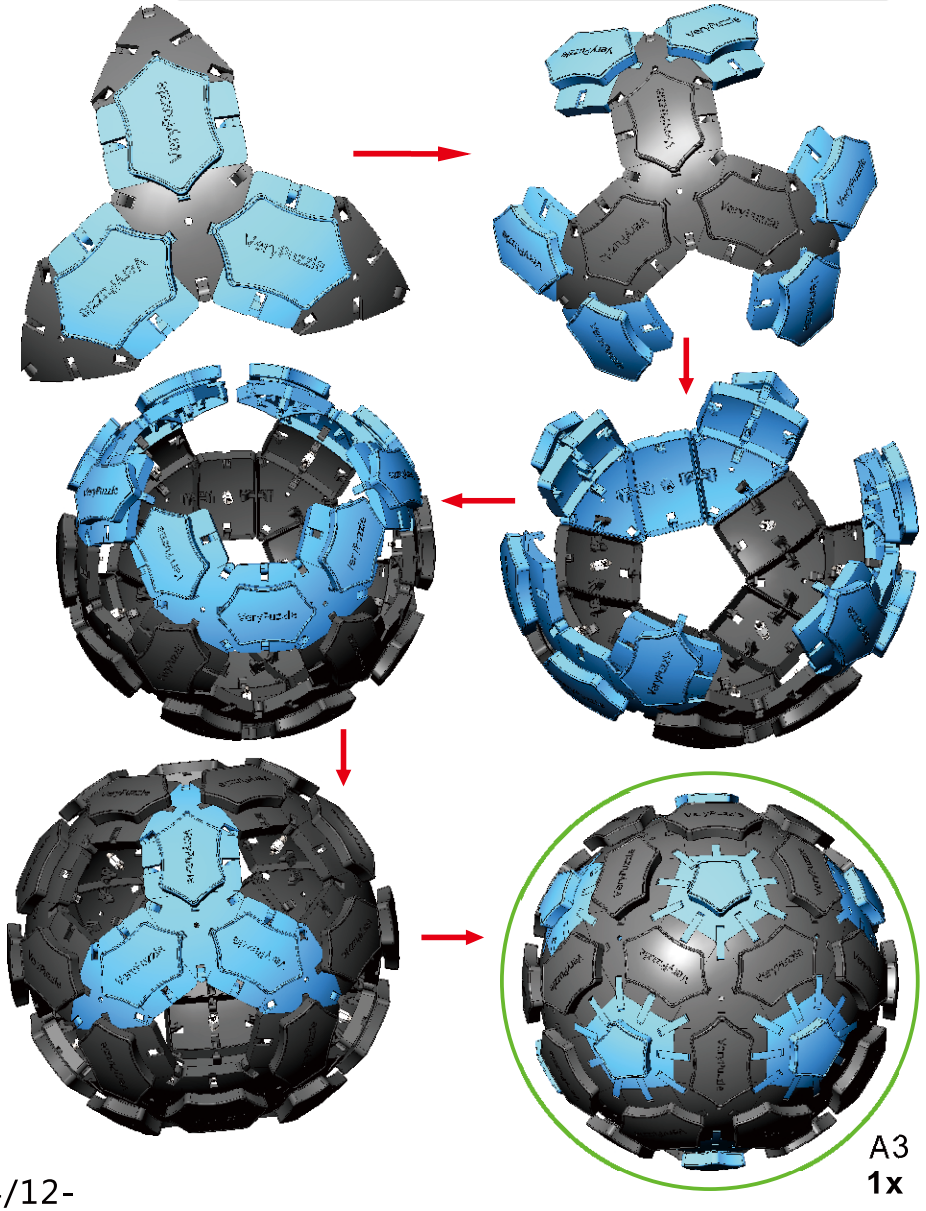


A2

**12x**

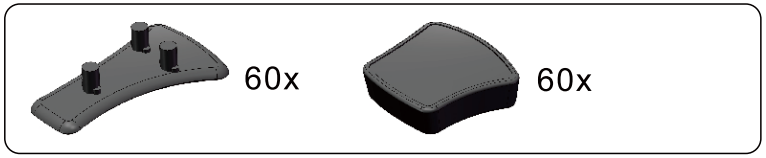
## 3


A1 30x
A2 12x
20x


A3
1x

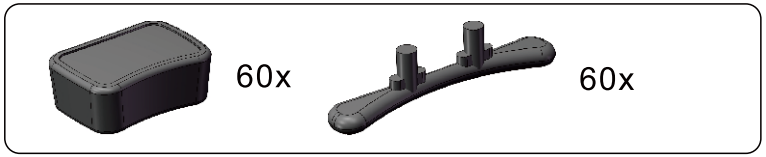


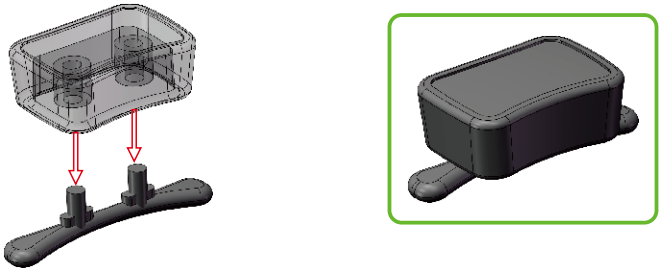
## 4


60x
60x

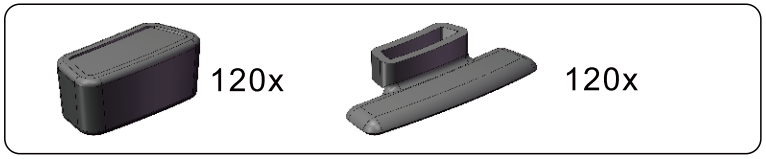
A4
60x

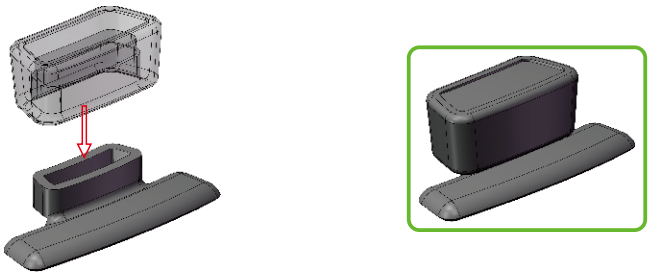
## 5


60x
60x

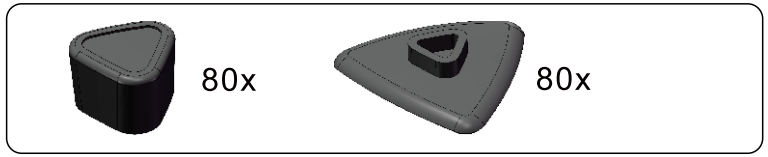

A5
60x

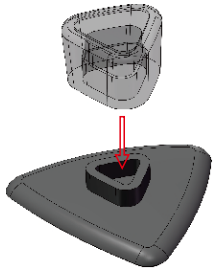
## 6

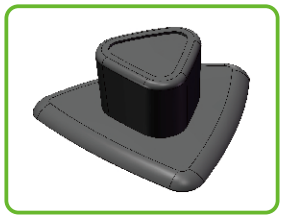

120x
120x


A6
120x

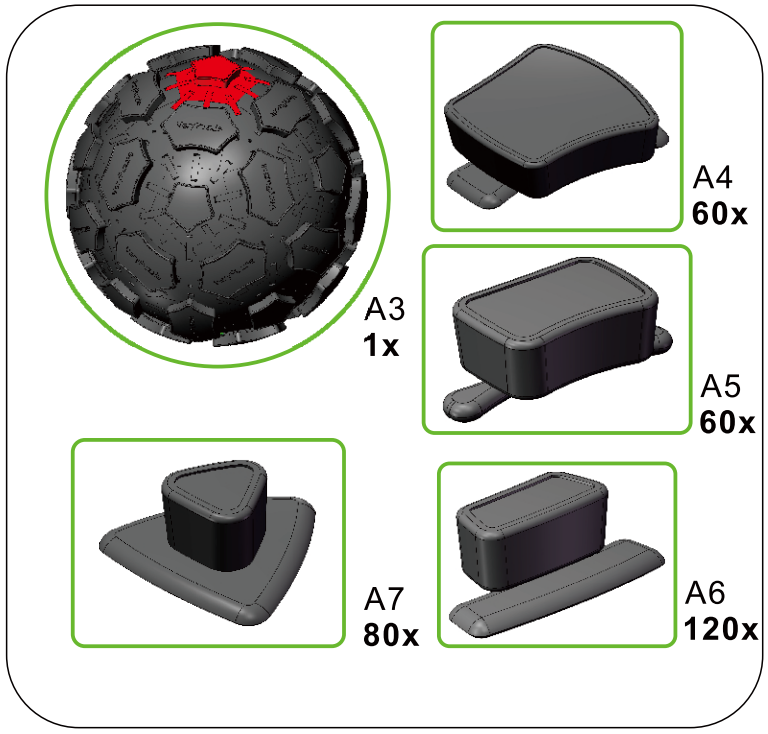
**7**






**8**



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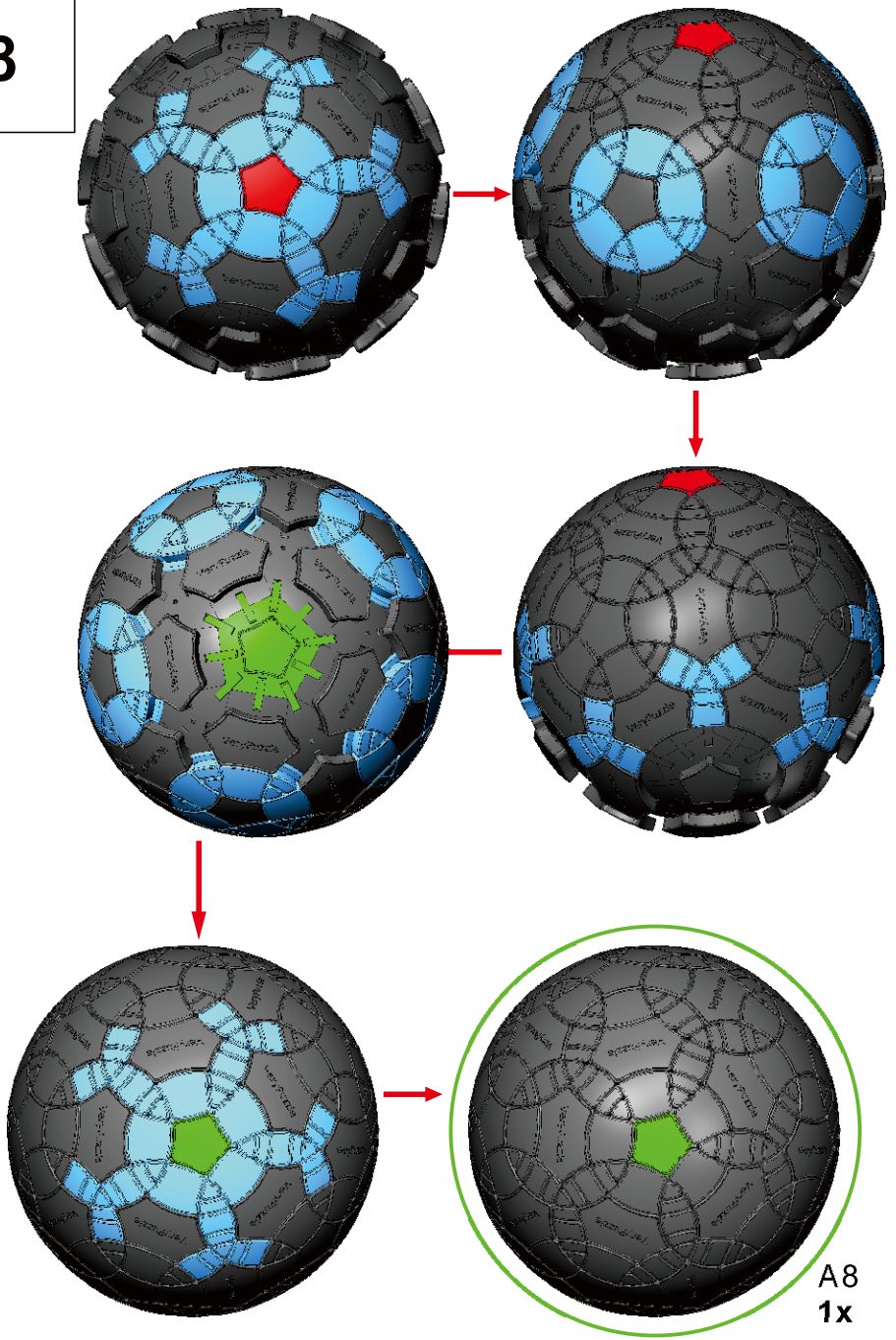
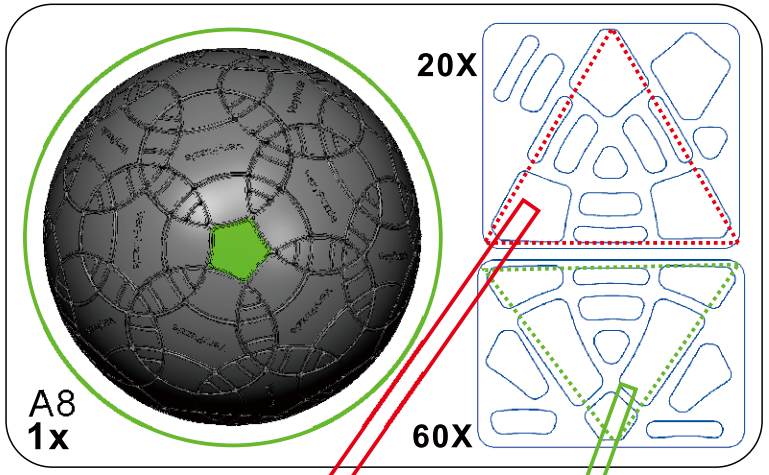
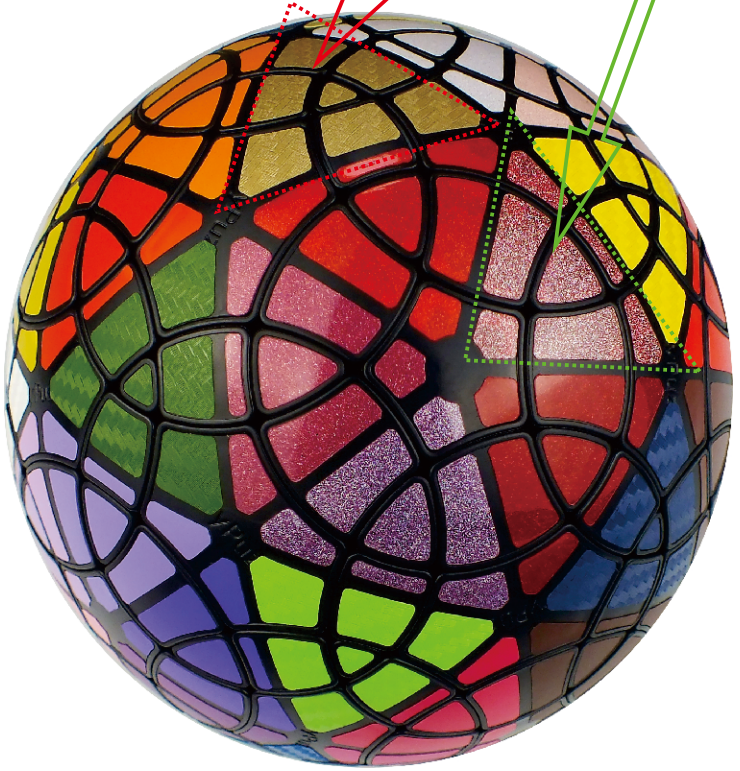


## 9





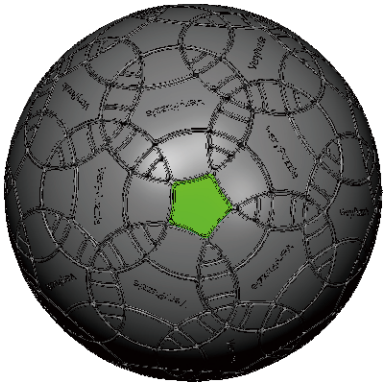
## 10

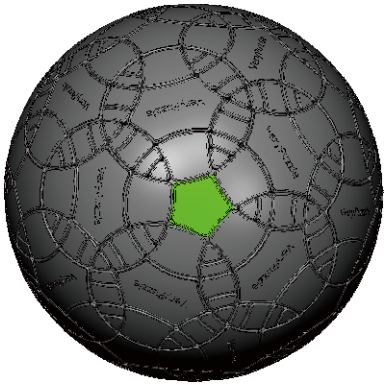
# Rotation Rules

5-fold symmetry
Turns 72*n degrees

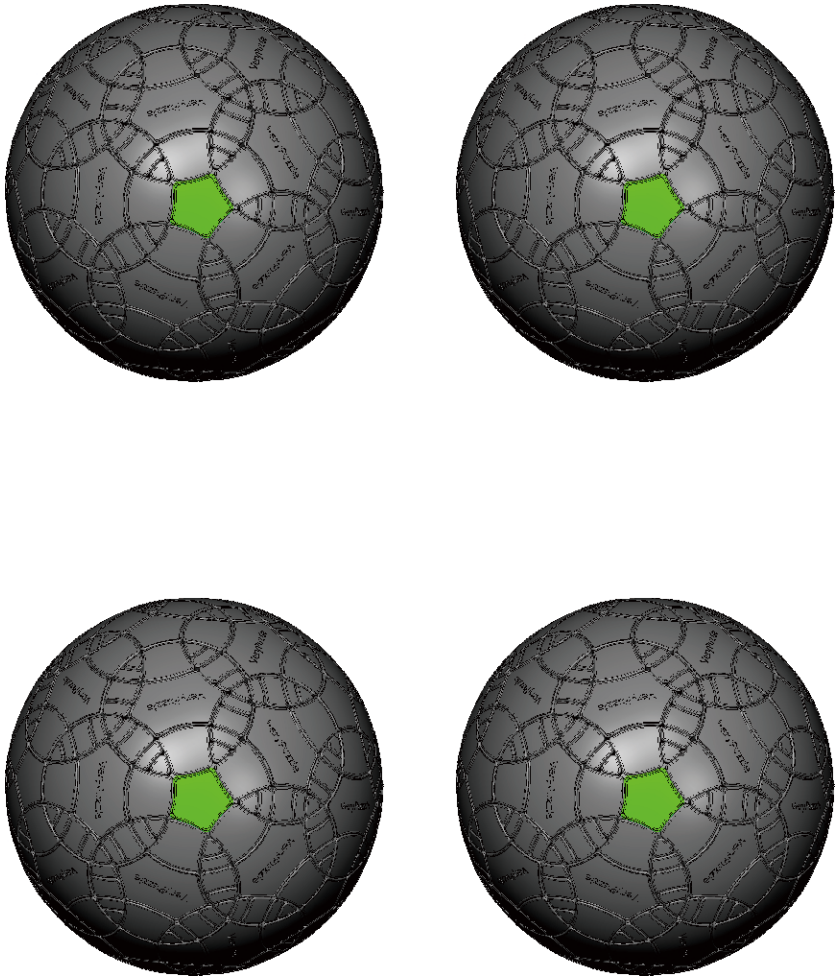
R4 symmetry
Turns 180*n degrees
Turns 180*n+63.4 degrees

# Notations and Algorithms





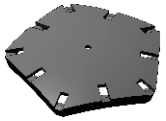
# Notations and Algorithms





# Product Information Card

| | |
|---|---|
| **Product Name** | Rhombic Tuttminx V1.0 F1 |
| **Model NO.** | #65 |
| **Design** | VeryPuzzle Co., Ltd(HK) |
| **Manufacturer** | VeryPuzzle Co., Ltd(HK) |
| **Year of release** | 2019 |
| **Maximum diameter** | 145 mm |
| **Visible moving parts** | 362 pcs |
| **Assembly challenge** | ★★★★★☆☆☆☆☆ |
| **Solving challenge** | ★★★★★☆☆☆☆☆ |
| **Stickering strategy** | Voronoi |
| **Sticker material** | Textured, flare, uniform |
| **Color scheme** | 80 colors |
| **Sticker protection** | Yes |
| **Number of stickers** | 580 pcs |
| **Axis & Symmetry** | D(C5)+RT(R4) |
| **In-core spring** | Yes |
| **Adjustable tension** | No |
| **Technical Name** | D1RT5-M5-F1 |
| **Topological Print** | D23RT24 |
| **Core specification** | DIRT130 |

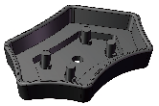


180011
**12X**

190242
**30X**

190261
**12X**

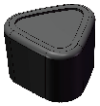
180013
**30X**



190241
**30X**

190262
**12X**

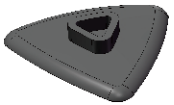
180012
**20X**



190272
190274
190276
**80X**

190301
**60X**

190281
**60X**

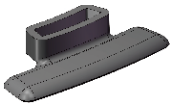


190271
190273
190275
**80X**

190302
**60X**

190283
**60X**

190282
**120X**



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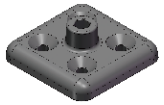
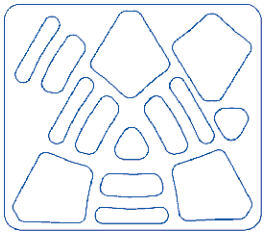
**120X**

190621
**1X**

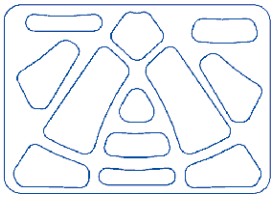


200011
**1X**

**180X** **42X** **42X** **42X**



**20X**



**60X**

## Customer Service

1. support@verypuzzle.com

2.

VeryPuzzle