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
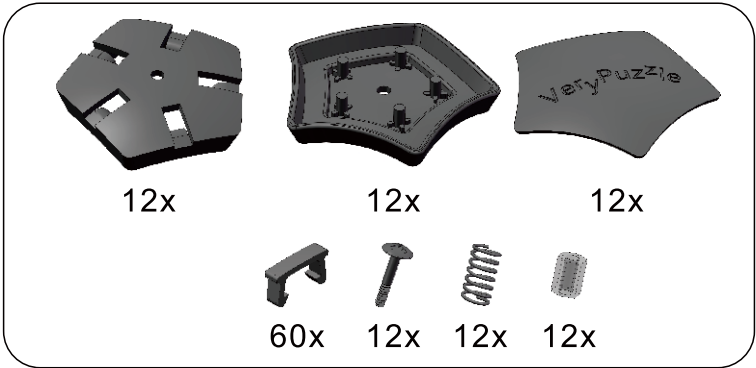2021/08/06

VeryPuzzle
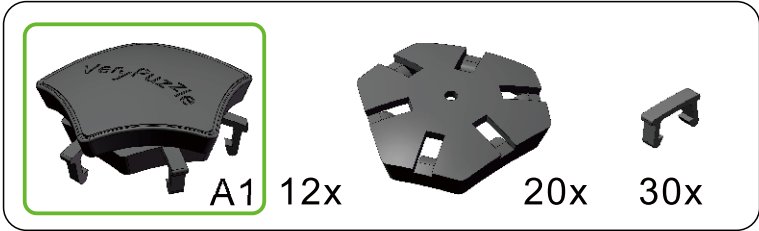
9th Megaminx Ball D9 #73

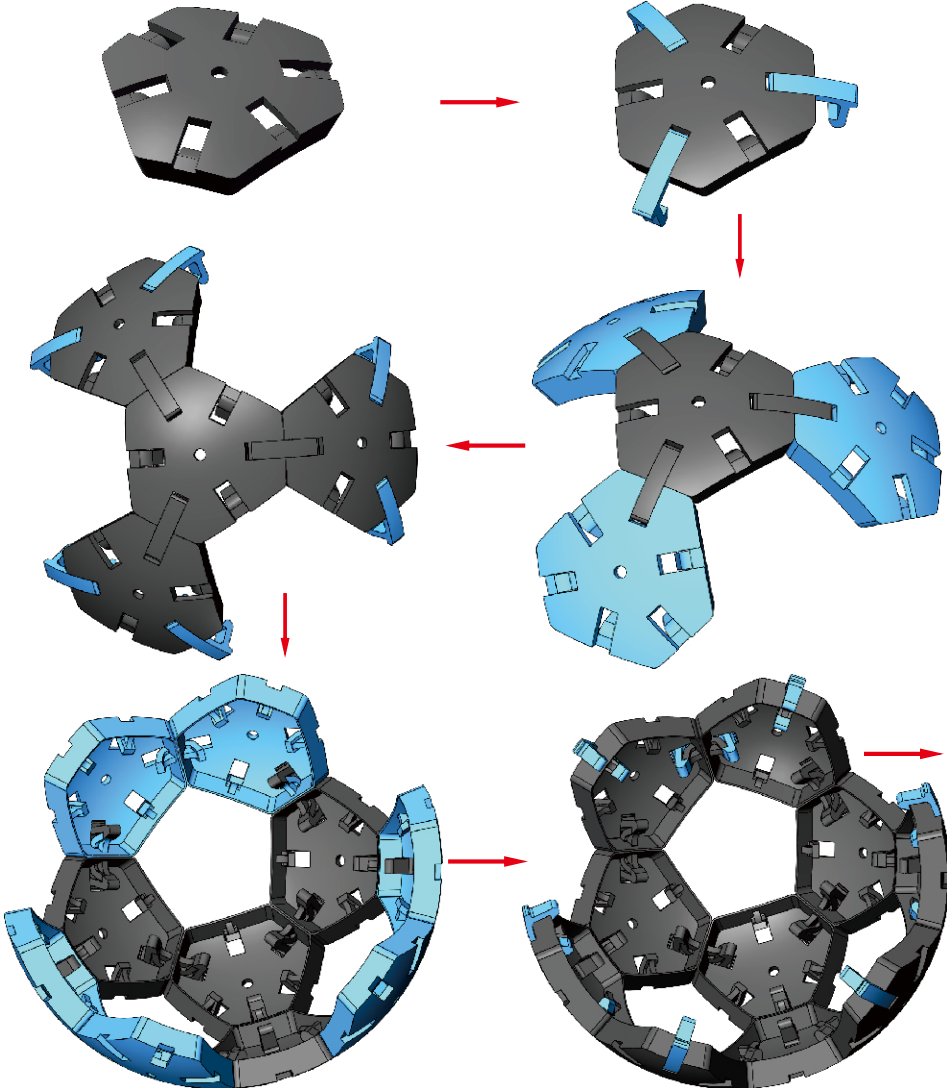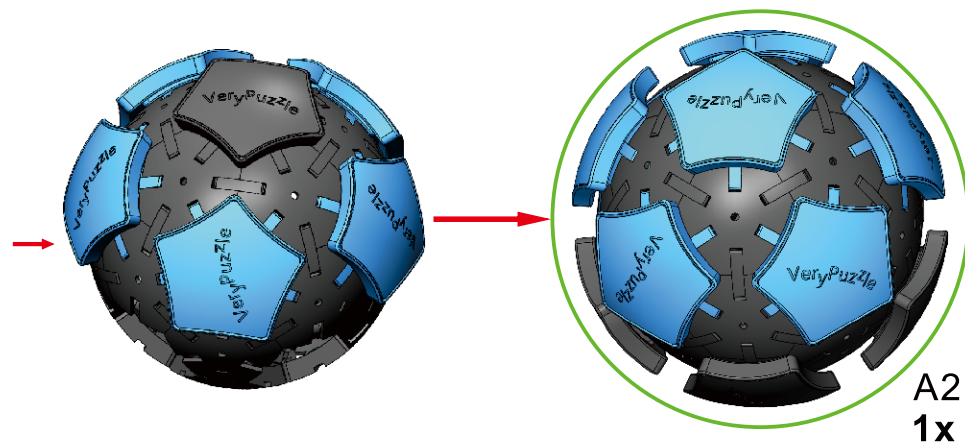500+ parts
12 axes

1

12x   12x   12x

60x   12x   12x   12x

A1
12x

2

A1 12x   20x   30x

2

A2
1x

3

30x 30x

A3 **30x**

4

12x 12x

A4
12x
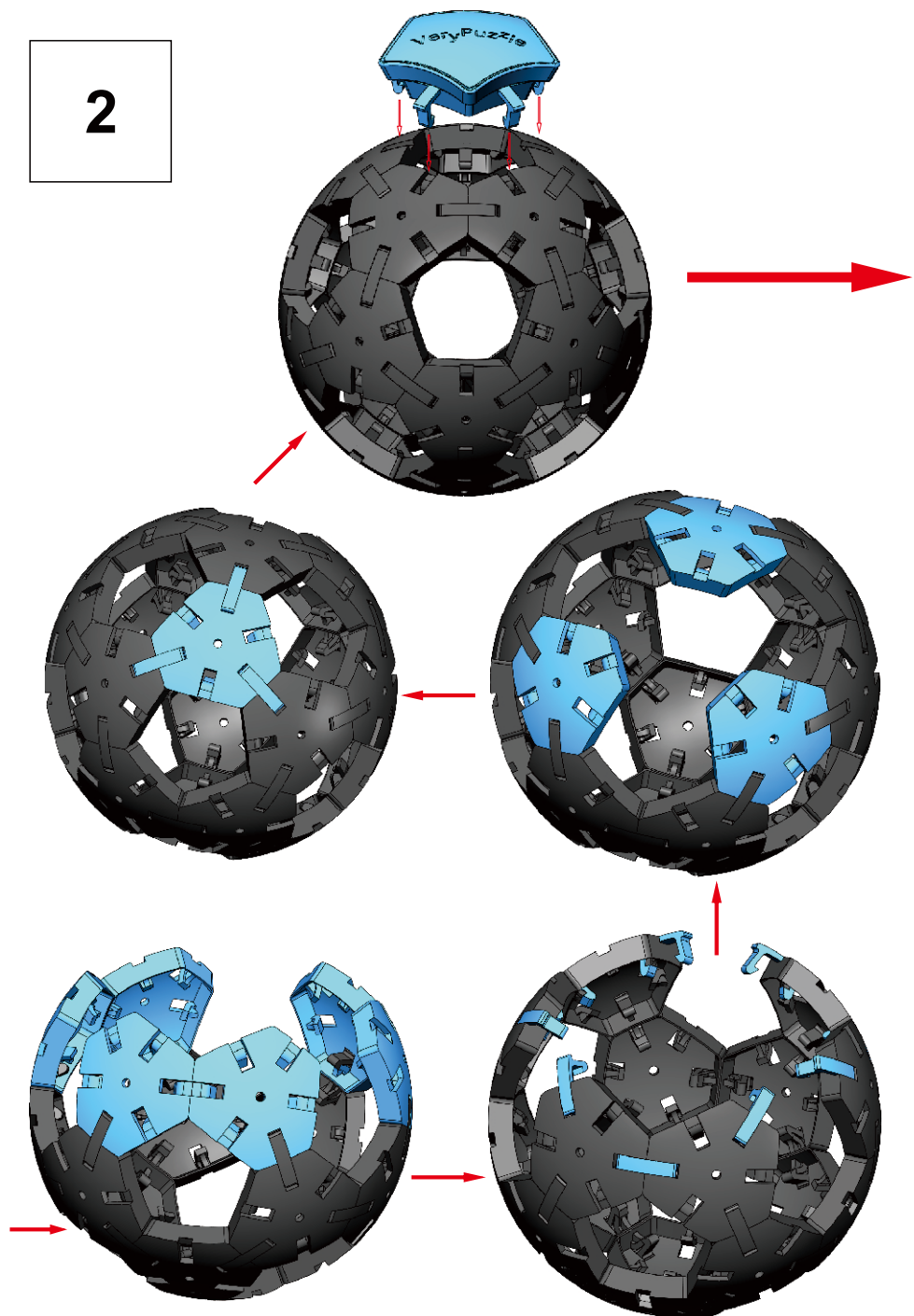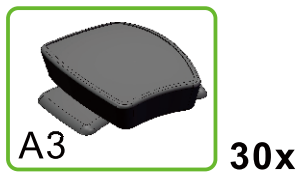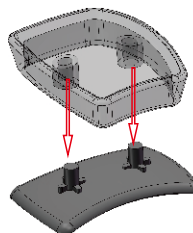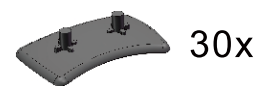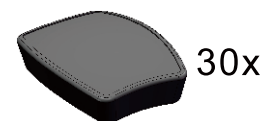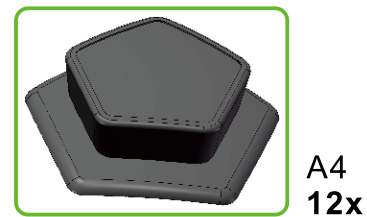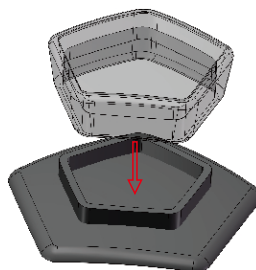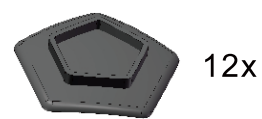
5

30x 30x
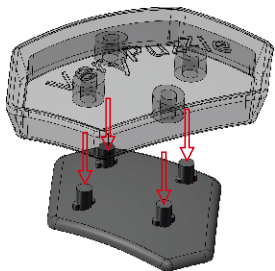
A5
30x

6
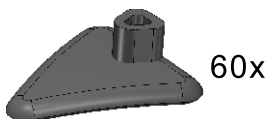
60x 60x
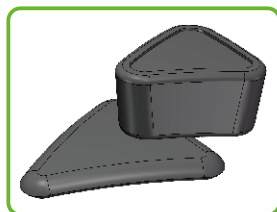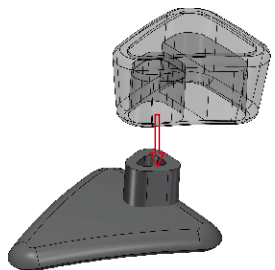
A6
60x

7
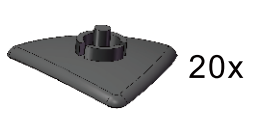
20x 20x 20x

A7
20x

8

A5
30x
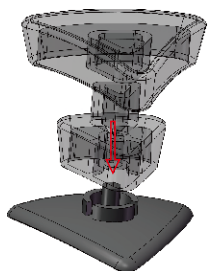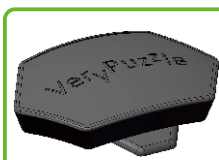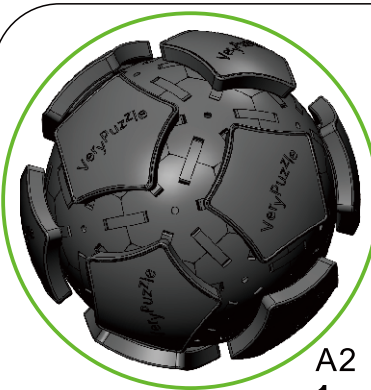
A2
1x
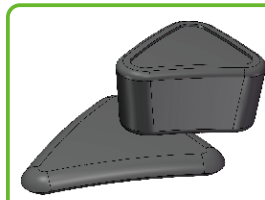
A6
60x
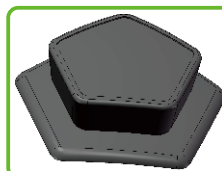
A4 **12x**

A3
30x

A7
20x

8

A8
1x

9

A8
1x

12x
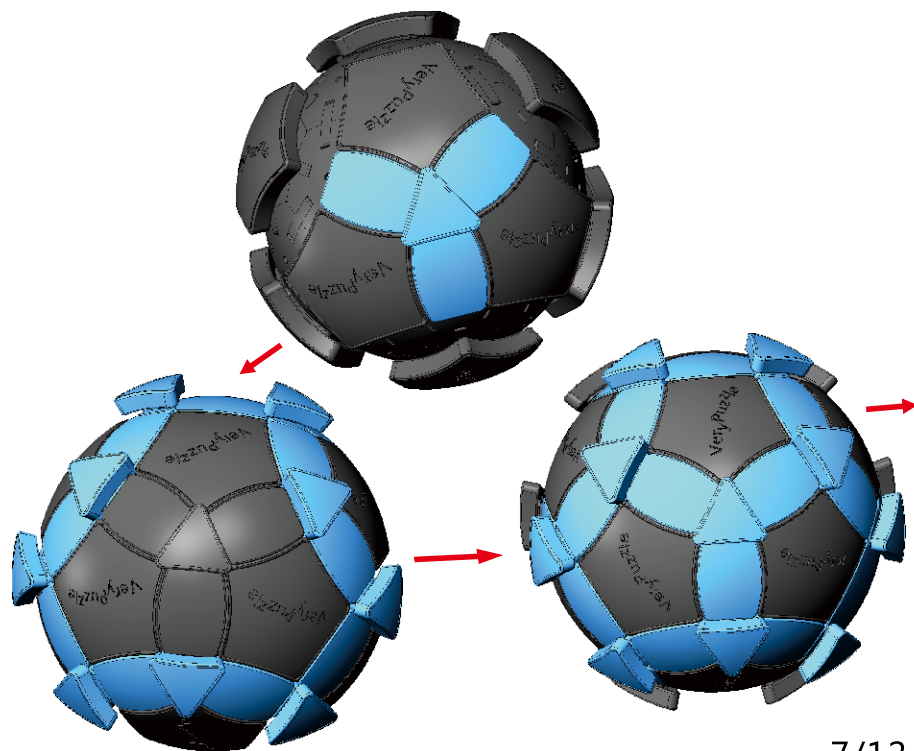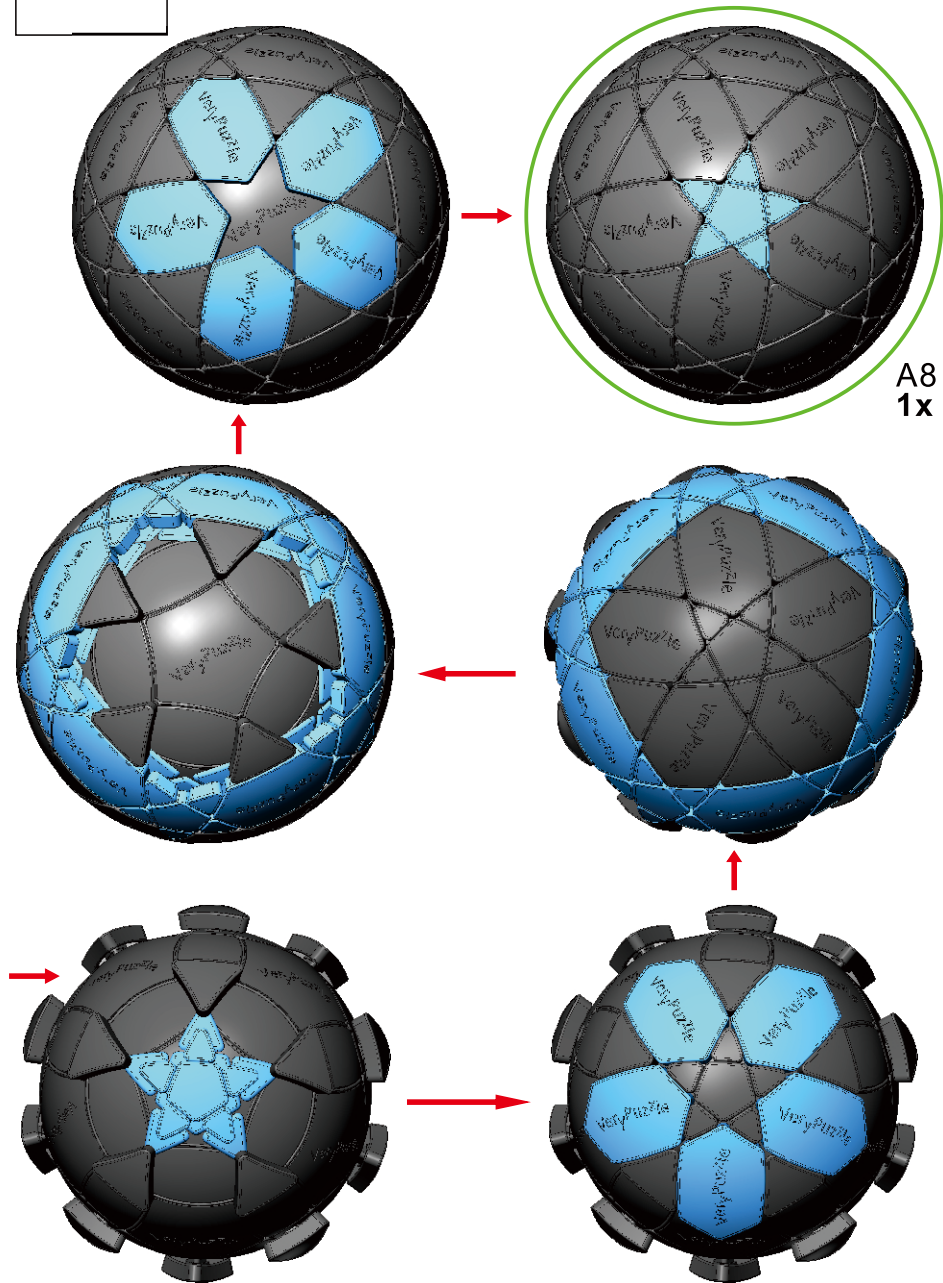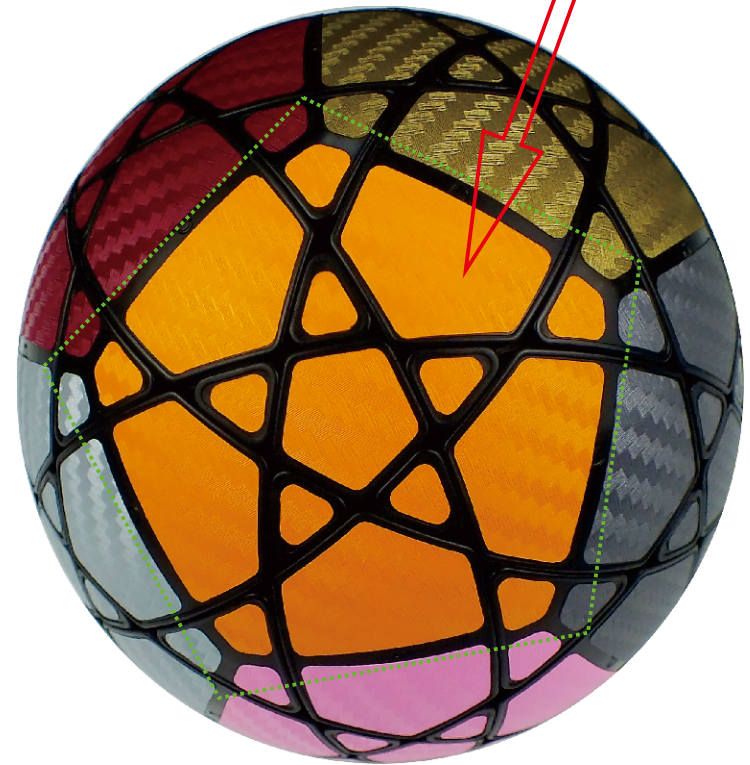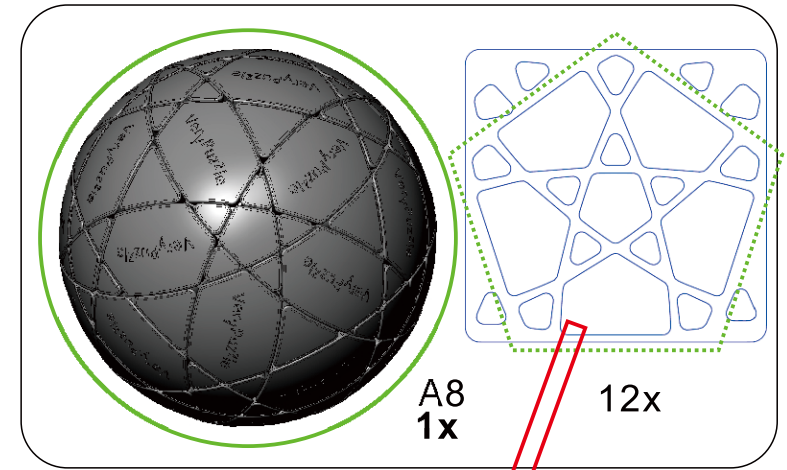
10 Rotation Rules

5-fold symmetry
Turns 72*n degrees

Notations and Algorithms
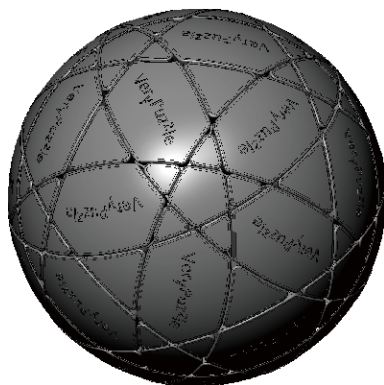
Product Information Card

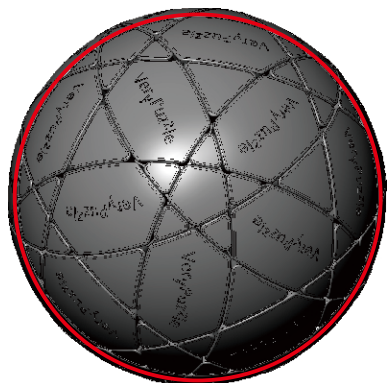|	
Product Name	9th Megaminx Ball, D9
Model NO.	#73
Design	VeryPuzzle Co., Ltd(HK)
Manufacturer	VeryPuzzle Co., Ltd(HK)
Year of release	2019
Maximum diameter	95 mm
Visible moving parts	122 pcs
Assembly challenge	★★★☆☆☆☆☆☆
Solving challenge	★★★★★☆☆☆☆☆
Stickering strategy	Voronoi
Sticker material	Textured
Color scheme	12 colors
Sticker protection	Yes
Number of stickers	192 pcs
Axis & Symmetry	D(C5)
In-core spring	Yes
Adjustable tension	No
Technical Name	D9
Topological Print	D72
Core specification	DI80

180051
180054
12X

190061
12X

190111
190112
30X

180052
180053
20X

190051
12X

190113
190114
30X

190532
30X

190551
190552
60X

190541
12X

190531
30X

190553
190554
60X

190542
12X

190621
1X

190093A2
190094A2
20X

190091
190092
20X

200011
1X

190561
190562
20X

90X **12X** **12X** **12X**

12X