



Synthetic Spinel

With a slightly higher refractive index than its natural counterpart, synthetic spinel is one of the most shiny and durable imitation gemstones. Preciosa Synthetic Spinel comes in three shades of blue, the rarest color of naturally occurring spinel, and in a variety of our exquisite round and fancy cuts.

Synthetic Spinel

suitable for lost-wax casting

Chemical composition: $MgAl_2O_4$

Structure: cubic

Hardness: 8° Mohs

Density: 3.6g/cm³

Refractive index: 1.5-1.7

Heat resistance: 1,100 °C/2,012 °F

Colors



Aquamarine



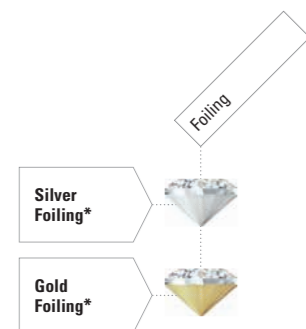
Medium Blue



Dark Blue

Foiling

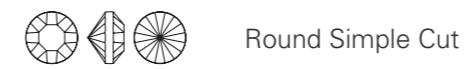
Foiling is the application of a reflective layer on the underside of the stone to maximize brilliance. Foiled stones are also suitable for gluing.



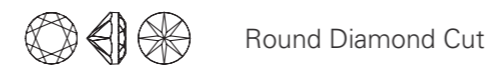
* Available on all colors.

Round Cuts

Sizes, Weight and Packing Units



Size	Aquamarine	Medium Blue	Dark Blue	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM PIECES						
0.50	○	○	○	0.013	7,508	1,000
0.60	○	○	○	0.023	4,274	1,000



Size	Aquamarine	Medium Blue	Dark Blue	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM PIECES						
0.70	●	●	●	0.039	2,596	1,000
0.75	●	●	●	0.046	2,170	1,000
0.80	●	●	●	0.055	1,827	1,000
0.85	●	●	●	0.064	1,552	1,000
0.90	●	●	●	0.075	1,335	1,000
0.95	●	●	●	0.086	1,157	1,000
1.00	●	●	●	0.102	985	1,000
1.05	●	●	●	0.116	865	1,000
1.10	●	●	●	0.131	763	1,000
1.15	●	●	●	0.148	678	1,000
1.20	●	●	●	0.169	591	1,000
1.25	●	●	●	0.189	530	1,000
1.30	●	●	●	0.210	476	1,000
1.35	●	●	●	0.232	431	1,000
1.40	●	●	●	0.266	376	1,000
1.45	●	●	●	0.292	342	1,000

LEGEND:

- Regular assortment
- Item available upon request



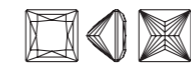
Round Brilliant Cut

Size	Aquamarine	Medium Blue	Dark Blue	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM						
1.50	●	●	●	0.325	308	1,000
1.55	●	●	●	0.355	282	1,000
1.60	●	●	●	0.386	259	1,000
1.65	●	●	●	0.427	234	1,000
1.70	●	●	●	0.463	216	1,000
1.75	●	●	●	0.501	200	1,000
1.80	●	●	●	0.541	185	1,000
1.85	●	●	●	0.591	169	1,000
1.90	●	●	●	0.636	157	1,000
1.95	●	●	●	0.683	147	1,000
2.00	●	●	●	0.731	137	500
2.05	○	○	○	0.782	128	500
2.10	●	●	●	0.836	120	500
2.15	●	●	●	0.891	112	500
2.20	●	●	●	0.962	104	500
2.25	●	●	●	1.023	98	500
2.30	●	●	●	1.086	92	500
2.35	○	○	○	1.153	87	500
2.40	●	●	●	1.237	81	500
2.45	○	○	○	1.309	76	500
2.50	●	●	●	1.383	72	500
2.55	○	○	○	1.461	68	500
2.60	●	●	●	1.541	65	500
2.65	○	○	○	1.624	62	500
2.70	○	○	○	1.729	58	500
2.75	●	●	●	1.819	55	200
2.80	○	○	○	1.912	52	200
2.85	○	○	○	2.007	50	200
2.90	○	○	○	2.106	47	200
2.95	○	○	○	2.208	45	200
3.00	●	●	●	2.314	43	200
3.05	○	○	○	2.422	41	200
3.10	○	○	○	2.534	39	100
3.15	○	○	○	2.649	38	100
3.20	○	○	○	2.768	36	100
3.25	●	●	●	2.890	35	100
3.30	○	○	○	3.015	33	100
3.40	○	○	○	3.277	31	100
3.50	●	●	●	3.554	28	100
3.60	○	○	○	3.845	26	100
3.70	○	○	○	4.152	24	100
3.75	●	●	●	4.311	23	100

Size	Aquamarine	Medium Blue	Dark Blue	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM						
3.80	○	○	○	4.474	22	100
3.90	○	○	○	4.801	21	80
4.00	●	●	●	5.212	19	80
4.25	●	●	●	6.181	16	80
4.50	●	●	●	7.318	14	60
4.75	●	●	●	8.525	12	60
5.00	●	●	●	9.925	10	60
5.50	○	○	○	15.440	7	60
6.00	○	○	○	19.540	5	50
6.25	○	○	○	21.480	5	50
6.50	○	○	○	23.420	4	50
7.00	○	○	○	31.980	3	35
8.00	○	○	○	44.860	2	35

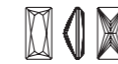
Fancy Cuts

Sizes, Weight and Packing Units



Square Princess Cut

Size	Aquamarine	Medium Blue	Dark Blue	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM						
1.20 x 1.20	○	○	○	0.244	409	500
1.25 x 1.25	●	●	●	0.274	365	500
1.30 x 1.30	○	○	○	0.310	322	500
1.40 x 1.40	○	○	○	0.387	259	200
1.50 x 1.50	●	●	●	0.475	211	200
1.75 x 1.75	●	●	●	0.733	136	200
2.00 x 2.00	●	●	●	1.089	92	200
2.25 x 2.25	●	●	●	1.520	66	200
2.50 x 2.50	●	●	●	2.051	49	200
2.75 x 2.75	●	●	●	2.712	37	200
3.00 x 3.00	●	●	●	3.502	29	100
3.50 x 3.50	●	●	●	5.450	18	100
4.00 x 4.00	●	●	●	8.093	12	80



Baguette Princess Cut

Size	Aquamarine	Medium Blue	Dark Blue	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM						
3.00 x 2.00	●	●	●	1.617	62	200
4.00 x 2.00	●	●	●	2.328	43	100
5.00 x 2.50	●	●	●	4.400	23	100
6.00 x 3.00	●	●	●	7.525	13	70

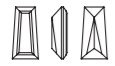


Baguette Step Cut

Size	Aquamarine	Medium Blue	Dark Blue	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM						
2.00 x 1.00	●	●	●	0.283	353	500
3.00 x 1.00	●	●	●	0.442	226	500

LEGEND:

- Regular assortment
- Item available upon request



Tapered Baguette Cut

Size	Aquamarine	Medium Blue	Dark Blue	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM PIECES						
2.00 x 1.50 x 1.00	●	●	●	0.471	213	200
2.50 x 1.50 x 1.00	●	●	●	0.651	154	200
2.50 x 2.00 x 1.50	●	●	●	1.075	93	200
3.00 x 2.00 x 1.00	●	●	●	1.241	81	200
3.00 x 2.50 x 1.50	●	●	●	2.064	48	200
3.50 x 1.50 x 1.00	●	●	●	0.988	101	200
3.50 x 2.50 x 1.50	●	●	●	2.277	44	100
4.00 x 2.00 x 1.50	●	●	●	1.925	52	100



Marquise Diamond Cut

Size	Aquamarine	Medium Blue	Dark Blue	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM PIECES						
3.00 x 1.50	●	●	●	0.634	158	200
3.00 x 2.00	●	●	●	1.097	91	200
4.00 x 2.00	●	●	●	1.428	70	100
4.50 x 2.50	○	○	○	2.384	42	100
5.00 x 2.50	●	●	●	2.641	38	100
6.00 x 3.00	●	●	●	4.482	22	70
7.00 x 3.50	○	○	○	7.024	14	40
8.00 x 4.00	○	○	○	10.382	10	40



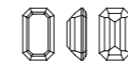
Pear Diamond Cut

Size	Aquamarine	Medium Blue	Dark Blue	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM PIECES						
3.00 x 2.00	●	●	●	1.149	87	100
4.00 x 2.00	●	●	●	1.452	69	100
4.00 x 3.00	●	●	●	3.075	33	100
5.00 x 3.00	●	●	●	3.854	26	70
5.00 x 4.00	○	○	○	6.744	15	50
6.00 x 4.00	●	●	●	8.250	12	50
7.00 x 5.00	●	●	●	14.778	7	40



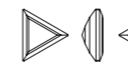
Oval Diamond Cut

Size	Aquamarine	Medium Blue	Dark Blue	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM PIECES						
4.00 x 2.00	●	●	●	1.527	65	100
4.00 x 3.00	○	○	○	3.355	30	100
5.00 x 3.00	●	●	●	3.981	25	70
6.00 x 4.00	●	●	●	8.622	12	50
7.00 x 5.00	●	●	●	15.451	7	40
8.00 x 6.00	○	○	○	24.807	4	40



Octagon Step Cut

Size	Aquamarine	Medium Blue	Dark Blue	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM PIECES						
4.00 x 2.00	○	○	○	2.227	45	100
5.00 x 3.00	○	○	○	5.687	18	70
6.00 x 4.00	○	○	○	11.458	9	50
7.00 x 5.00	○	○	○	20.099	5	40
8.00 x 6.00	○	○	○	31.851	3	40



Triangle Step Cut

Size	Aquamarine	Medium Blue	Dark Blue	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM PIECES						
2.00	○	○	○	0.309	324	200
3.00	○	○	○	0.981	102	140
4.00	○	○	○	2.247	45	80
5.00	○	○	○	4.294	23	80
6.00	○	○	○	7.206	14	50

LEGEND:

- Regular assortment
- Item available upon request