



## Synthetic Corundum

Second only to diamonds in hardness and known for its intense color, red corundum is known by its more common name: ruby. Available in two captivating shades of red, Preciosa Synthetic Corundum is made from only the finest raw ingredients and comes in a selection of our most popular round and fancy cuts.

# Synthetic Corundum

suitable for lost-wax casting

Chemical composition:  $Al_2O_3$

Structure: trigonal

Hardness: 9° Mohs

Density: 3.9g/cm<sup>3</sup>

Refractive index: 1.7

Heat resistance: 1,700 °C/3,092 °F

## Colors



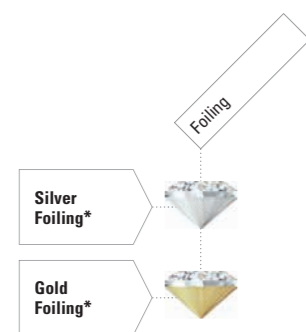
Medium Ruby



Dark Ruby

## Foiling

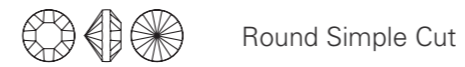
Foiling is the application of a reflective layer on the underside of the stone to maximize brilliance. Foiled stones are also suitable for gluing.



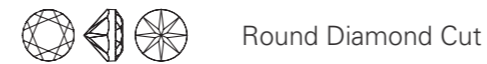
\* Available on all colors.

# Round Cuts

## Sizes, Weight and Packing Units



Size	Medium Ruby	Dark Ruby	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
	●	○			
MM	PIECES				
0.50	○	○	0.014	6,930	1,000
0.60	○	○	0.025	3,945	1,000



Size	Medium Ruby	Dark Ruby	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
	●	○			
MM	PIECES				
0.70	●	●	0.042	2,396	1,000
0.75	○	○	0.050	2,003	1,000
0.80	●	●	0.059	1,687	1,000
0.85	○	○	0.070	1,432	1,000
0.90	●	●	0.081	1,233	1,000
0.95	○	○	0.094	1,068	1,000
1.00	●	●	0.110	909	1,000
1.05	○	○	0.125	799	1,000
1.10	●	●	0.142	704	1,000
1.15	●	●	0.160	625	1,000
1.20	●	●	0.183	546	1,000
1.25	●	●	0.204	489	1,000
1.30	●	●	0.227	440	1,000
1.35	○	○	0.252	398	1,000
1.40	●	●	0.288	347	1,000
1.45	○	○	0.317	316	1,000

**LEGEND:**

- Regular assortment
- Item available upon request



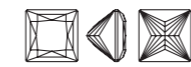
### Round Brilliant Cut

Size	Medium Ruby	Dark Ruby	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM <span style="float: right;">PIECES</span>					
1.50	●	●	0.352	284	1,000
1.55	○	○	0.384	260	1,000
1.60	●	●	0.418	239	1,000
1.65	○	○	0.463	216	1,000
1.70	●	●	0.502	199	1,000
1.75	●	●	0.542	184	1,000
1.80	●	●	0.586	171	1,000
1.85	○	○	0.641	156	1,000
1.90	●	●	0.689	145	1,000
1.95	○	○	0.739	135	1,000
2.00	●	●	0.792	126	500
2.05	○	○	0.847	118	500
2.10	○	○	0.905	110	500
2.15	○	○	0.966	104	500
2.20	○	○	1.042	96	500
2.25	●	●	1.108	90	500
2.30	○	○	1.177	85	500
2.35	○	○	1.249	80	500
2.40	○	○	1.340	75	500
2.45	○	○	1.418	71	500
2.50	●	●	1.498	67	500
2.55	○	○	1.582	63	500
2.60	●	●	1.669	60	500
2.65	○	○	1.759	57	500
2.70	○	○	1.873	53	500
2.75	●	●	1.971	51	200
2.80	○	○	2.071	48	200
2.85	○	○	2.175	46	200
2.90	○	○	2.282	44	200
2.95	○	○	2.392	42	200
3.00	●	●	2.507	40	200
3.05	○	○	2.624	38	200
3.10	○	○	2.745	36	100
3.15	○	○	2.870	35	100
3.20	○	○	2.998	33	100
3.25	●	●	3.131	32	100
3.30	○	○	3.267	31	100
3.40	○	○	3.550	28	100
3.50	●	●	3.850	26	100
3.60	○	○	4.165	24	100
3.70	○	○	4.498	22	100
3.75	●	●	4.670	21	100

Size	Medium Ruby	Dark Ruby	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM <span style="float: right;">PIECES</span>					
3.80	○	○	4.847	21	100
3.90	○	○	5.201	19	80
4.00	●	●	5.646	18	80
4.25	●	●	6.696	15	80
4.50	●	●	7.928	13	60
4.75	●	●	9.235	11	60
5.00	●	●	10.752	9	60
5.25	○	○	12.345	8	60
5.50	○	○	14.177	7	60
5.75	○	○	16.084	6	60
6.00	○	○	18.261	6	50
6.25	○	○	20.509	5	50
6.50	○	○	23.060	4	50
6.75	○	○	25.679	4	50
7.00	○	○	28.634	4	35
7.25	○	○	31.651	3	35
7.50	○	○	35.040	3	35
7.75	○	○	38.483	3	35
8.00	○	○	42.335	2	35

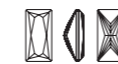
## Fancy Cuts

### Sizes, Weight and Packing Units



### Square Princess Cut

Size	Medium Ruby	Dark Ruby	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM <span style="float: right;">PIECES</span>					
1.50 x 1.50	●	●	0.514	194	200
1.75 x 1.75	●	●	0.794	126	200
2.00 x 2.00	●	●	1.180	85	200
2.25 x 2.25	●	●	1.647	61	200
2.50 x 2.50	●	●	2.222	45	200
2.75 x 2.75	●	●	2.938	34	200
3.00 x 3.00	●	●	3.794	26	100
3.50 x 3.50	●	●	5.904	17	100
4.00 x 4.00	●	●	8.767	11	80
5.00 x 5.00	○	○	16.869	6	70
6.00 x 6.00	○	○	28.711	4	40



### Baguette Princess Cut

Size	Medium Ruby	Dark Ruby	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM <span style="float: right;">PIECES</span>					
3.00 x 2.00	●	●	1.751	57	200
4.00 x 2.00	●	●	2.522	40	100
5.00 x 2.50	●	●	4.767	21	100
6.00 x 3.00	●	●	8.152	12	70

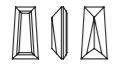


### Baguette Step Cut

Size	Medium Ruby	Dark Ruby	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM <span style="float: right;">PIECES</span>					
2.00 x 1.00	○	○	0.307	326	500
3.00 x 1.00	○	○	0.479	209	500

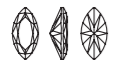
**LEGEND:**

- Regular assortment
- Item available upon request



Tapered Baguette Cut

Size	Medium Ruby	Dark Ruby	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM <span style="float:right">PIECES</span>					
2.00 x 1.50 x 1.00	○	○	0.471	196	200
2.50 x 1.50 x 1.00	○	○	0.651	142	200
2.50 x 2.00 x 1.50	○	○	1.075	86	200
3.00 x 2.00 x 1.00	○	○	1.241	74	200
3.00 x 2.50 x 1.50	○	○	2.064	45	200
3.50 x 1.50 x 1.00	○	○	0.988	93	200
3.50 x 2.50 x 1.50	○	○	2.277	41	100
4.00 x 2.00 x 1.50	○	○	1.925	48	100



Marquise Diamond Cut

Size	Medium Ruby	Dark Ruby	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM <span style="float:right">PIECES</span>					
3.00 x 1.50	●	●	0.687	146	200
3.00 x 2.00	●	●	1.188	84	200
4.00 x 2.00	●	●	1.548	65	100
4.50 x 2.50	○	○	2.582	39	100
5.00 x 2.50	●	●	2.861	35	100
6.00 x 3.00	●	●	4.855	21	70
7.00 x 3.50	○	○	7.610	13	40
8.00 x 4.00	○	○	11.247	9	40



Pear Diamond Cut

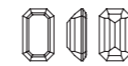
Size	Medium Ruby	Dark Ruby	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM <span style="float:right">PIECES</span>					
3.00 x 2.00	●	●	1.245	80	100
4.00 x 2.00	●	●	1.573	64	100
4.00 x 3.00	●	●	3.331	30	100
5.00 x 3.00	●	●	4.175	24	70
5.00 x 4.00	○	○	7.306	14	50
6.00 x 4.00	●	●	8.938	11	50
7.00 x 5.00	●	●	16.010	6	40
8.00 x 6.00	○	○	24.847	4	40

**LEGEND:**  
 ● Regular assortment  
 ○ Item available upon request



Oval Diamond Cut

Size	Medium Ruby	Dark Ruby	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM <span style="float:right">PIECES</span>					
4.00 x 2.00	○	○	1.655	60	100
4.00 x 3.00	○	○	3.635	28	100
5.00 x 3.00	○	○	4.313	23	70
6.00 x 4.00	○	○	9.340	11	50
7.00 x 5.00	○	○	16.738	6	40
8.00 x 6.00	○	○	26.875	4	40



Octagon Step Cut

Size	Medium Ruby	Dark Ruby	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM <span style="float:right">PIECES</span>					
4.00 x 2.00	○	○	2.413	41	100
5.00 x 3.00	○	○	6.161	16	70
6.00 x 4.00	○	○	12.413	8	50
7.00 x 5.00	○	○	21.774	5	40
8.00 x 6.00	○	○	34.505	3	40