



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/cm³

Refractive index: 1.7

Heat resistance: 1,700 °C/3,092 °F

Colors



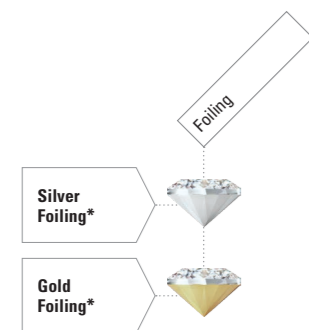
Medium Ruby



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

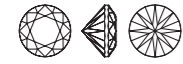


The Alpha Round Brilliant

| 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



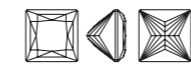
The Alpha Round Brilliant

| Size | Medium Ruby | Dark Ruby | Approx. wt of 100 pcs | Approx. pcs per 1 gram | Packg. unit |
|--|-------------|-----------|-----------------------|------------------------|-------------|
| | | | | | |
| MM PIECES | | | | | |
| 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 PIECES | | | | | |
| 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 |

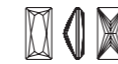
Fancy Cuts

Sizes, Weight and Packing Units



Square Princess

| Size | Medium Ruby | Dark Ruby | Approx. wt of 100 pcs | Approx. pcs per 1 gram | Packg. unit |
|--|-------------|-----------|-----------------------|------------------------|-------------|
| | | | | | |
| MM PIECES | | | | | |
| 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

| Size | Medium Ruby | Dark Ruby | Approx. wt of 100 pcs | Approx. pcs per 1 gram | Packg. unit |
|--|-------------|-----------|-----------------------|------------------------|-------------|
| | | | | | |
| MM PIECES | | | | | |
| 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

| Size | Medium Ruby | Dark Ruby | Approx. wt of 100 pcs | Approx. pcs per 1 gram | Packg. unit |
|--|-------------|-----------|-----------------------|------------------------|-------------|
| | | | | | |
| MM PIECES | | | | | |
| 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

| Size | Medium Ruby | Dark Ruby | Approx. wt of 100 pcs | Approx. pcs per 1 gram | Packg. unit |
|--|-------------|-----------|-----------------------|------------------------|-------------|
| | | | | | |
| MM PIECES | | | | | |
| 2.00 × 1.50 × 1.00 | ○ | ○ | 0.471 | 196 | 200 |
| 2.50 × 1.50 × 1.00 | ○ | ○ | 0.651 | 142 | 200 |
| 2.50 × 2.00 × 1.50 | ○ | ○ | 1.075 | 86 | 200 |
| 3.00 × 2.00 × 1.00 | ○ | ○ | 1.241 | 74 | 200 |
| 3.00 × 2.50 × 1.50 | ○ | ○ | 2.064 | 45 | 200 |
| 3.50 × 1.50 × 1.00 | ○ | ○ | 0.988 | 93 | 200 |
| 3.50 × 2.50 × 1.50 | ○ | ○ | 2.277 | 41 | 100 |
| 4.00 × 2.00 × 1.50 | ○ | ○ | 1.925 | 48 | 100 |



Marquise Diamond

| Size | Medium Ruby | Dark Ruby | Approx. wt of 100 pcs | Approx. pcs per 1 gram | Packg. unit |
|--|-------------|-----------|-----------------------|------------------------|-------------|
| | | | | | |
| MM PIECES | | | | | |
| 3.00 × 1.50 | ● | ● | 0.687 | 146 | 200 |
| 3.00 × 2.00 | ● | ● | 1.188 | 84 | 200 |
| 4.00 × 2.00 | ● | ● | 1.548 | 65 | 100 |
| 4.50 × 2.50 | ○ | ○ | 2.582 | 39 | 100 |
| 5.00 × 2.50 | ● | ● | 2.861 | 35 | 100 |
| 6.00 × 3.00 | ● | ● | 4.855 | 21 | 70 |
| 7.00 × 3.50 | ○ | ○ | 7.610 | 13 | 40 |
| 8.00 × 4.00 | ○ | ○ | 11.247 | 9 | 40 |



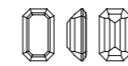
Pear Diamond

| Size | Medium Ruby | Dark Ruby | Approx. wt of 100 pcs | Approx. pcs per 1 gram | Packg. unit |
|--|-------------|-----------|-----------------------|------------------------|-------------|
| | | | | | |
| MM PIECES | | | | | |
| 3.00 × 2.00 | ● | ● | 1.245 | 80 | 100 |
| 4.00 × 2.00 | ● | ● | 1.573 | 64 | 100 |
| 4.00 × 3.00 | ● | ● | 3.331 | 30 | 100 |
| 5.00 × 3.00 | ● | ● | 4.175 | 24 | 70 |
| 5.00 × 4.00 | ○ | ○ | 7.306 | 14 | 50 |
| 6.00 × 4.00 | ● | ● | 8.938 | 11 | 50 |
| 7.00 × 5.00 | ● | ● | 16.010 | 6 | 40 |
| 8.00 × 6.00 | ○ | ○ | 24.847 | 4 | 40 |



Oval Diamond

| Size | Medium Ruby | Dark Ruby | Approx. wt of 100 pcs | Approx. pcs per 1 gram | Packg. unit |
|--|-------------|-----------|-----------------------|------------------------|-------------|
| | | | | | |
| MM PIECES | | | | | |
| 4.00 × 2.00 | ○ | ○ | 1.655 | 60 | 100 |
| 4.00 × 3.00 | ○ | ○ | 3.635 | 28 | 100 |
| 5.00 × 3.00 | ○ | ○ | 4.313 | 23 | 70 |
| 6.00 × 4.00 | ○ | ○ | 9.340 | 11 | 50 |
| 7.00 × 5.00 | ○ | ○ | 16.738 | 6 | 40 |
| 8.00 × 6.00 | ○ | ○ | 26.875 | 4 | 40 |



Octagon Step

| Size | Medium Ruby | Dark Ruby | Approx. wt of 100 pcs | Approx. pcs per 1 gram | Packg. unit |
|--|-------------|-----------|-----------------------|------------------------|-------------|
| | | | | | |
| MM PIECES | | | | | |
| 4.00 × 2.00 | ○ | ○ | 2.413 | 41 | 100 |
| 5.00 × 3.00 | ○ | ○ | 6.161 | 16 | 70 |
| 6.00 × 4.00 | ○ | ○ | 12.413 | 8 | 50 |
| 7.00 × 5.00 | ○ | ○ | 21.774 | 5 | 40 |
| 8.00 × 6.00 | ○ | ○ | 34.505 | 3 | 40 |

LEGEND:

- Regular assortment
- Item available upon request