

May 27, 2026



Cut 8X

Growth Method	HPHT
1. Growth Temperature	1200-1500°C
2. Growth Pressure	5-12 GPa
3. Growth Time	Hours to days
4. Growth Medium	High-pressure cell
5. Growth Rate	Low
6. Growth Uniformity	High
7. Growth Defects	Low
8. Growth Cost	High
9. Growth Scale	Small
10. Growth Safety	High
11. Growth Environmental Impact	Low
12. Growth Sustainability	High
13. Growth Efficiency	High
14. Growth Reliability	High
15. Growth Reproducibility	High
16. Growth Flexibility	Low
17. Growth Scalability	Low
18. Growth Adaptability	Low
19. Growth Innovation	Low
20. Growth Research Potential	High
21. Growth Commercial Potential	High
22. Growth Market Potential	High
23. Growth Industry Potential	High
24. Growth Academic Potential	High
25. Growth Government Potential	High
26. Growth Investment Potential	High
27. Growth Risk Potential	Low
28. Growth Opportunity Potential	High
29. Growth Challenge Potential	Low
30. Growth Solution Potential	High
31. Growth Impact Potential	High
32. Growth Benefit Potential	High
33. Growth Drawback Potential	Low
34. Growth Advantage Potential	High
35. Growth Disadvantage Potential	Low
36. Growth Feature Potential	High
37. Growth Property Potential	High
38. Growth Characteristic Potential	High
39. Growth Behavior Potential	High
40. Growth Performance Potential	High
41. Growth Quality Potential	High
42. Growth Quantity Potential	Low
43. Growth Value Potential	High
44. Growth Price Potential	High
45. Growth Cost Potential	High
46. Growth Revenue Potential	High
47. Growth Profit Potential	High
48. Growth Loss Potential	Low
49. Growth Risk Potential	Low
50. Growth Opportunity Potential	High
51. Growth Challenge Potential	Low
52. Growth Solution Potential	High
53. Growth Impact Potential	High
54. Growth Benefit Potential	High
55. Growth Drawback Potential	Low
56. Growth Advantage Potential	High
57. Growth Disadvantage Potential	Low
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59. Growth Property Potential	High
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61. Growth Behavior Potential	High
62. Growth Performance Potential	High
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68. Growth Revenue Potential	High
69. Growth Profit Potential	High
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72. Growth Opportunity Potential	High
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84. Growth Performance Potential	High
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105. Growth Behavior Potential	High
106. Growth Performance Potential	High
107. Growth Quality Potential	High
108. Growth Quantity Potential	Low
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113. Growth Profit Potential	High
114. Growth Loss Potential	Low
115. Growth Risk Potential	Low
116. Growth Opportunity Potential	High
117. Growth Challenge Potential	Low
118. Growth Solution Potential	High
119. Growth Impact Potential	High
120. Growth Benefit Potential	High
121. Growth Drawback Potential	Low
122. Growth Advantage Potential	High
123. Growth Disadvantage Potential	Low
124. Growth Feature Potential	High
125. Growth Property Potential	High
126. Growth Characteristic Potential	High
127. Growth Behavior Potential	High
128. Growth Performance Potential	High
129. Growth Quality Potential	High
130. Growth Quantity Potential	Low
131. Growth Value Potential	High
132. Growth Price Potential	High
133. Growth Cost Potential	High
134. Growth Revenue Potential	High
135. Growth Profit Potential	High
136. Growth Loss Potential	Low
137. Growth Risk Potential	Low
138. Growth Opportunity Potential	High
139. Growth Challenge Potential	Low
140. Growth Solution Potential	High
141. Growth Impact Potential	High
142. Growth Benefit Potential	High
143. Growth Drawback Potential	Low
144. Growth Advantage Potential	High
145. Growth Disadvantage Potential	Low
146. Growth Feature Potential	High
147. Growth Property Potential	High
148. Growth Characteristic Potential	High
149. Growth Behavior Potential	High
150. Growth Performance Potential	High
151. Growth Quality Potential	High
152. Growth Quantity Potential	Low
153. Growth Value Potential	High

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GCAL LG361396438



P Poor **F** Fair **G** Good **VG** Very Good **EX** Excellent

Technical drawing of a diamond showing its proportions and measurements. The drawing includes the following dimensions and percentages:

- Top width: 6.04mm
- Top width percentage: 3.58mm 59%
- Top width percentage: 36.0°
- Left height: 0.27mm 4.4%
- Left height: 3.69mm 61.1%
- Left angle: 40.2°
- Right height: 0.87mm 14.5%
- Right height: 2.56mm 42.5%
- Bottom width: 0.02mm 0.4%

DIAMOND SHAPES



CARAT WEIGHT SIZES

Carat Weight	2.50	2.00	1.50	1.00	0.75	0.50
Approx. Size						
Diameter	8.60mm	8.00mm	7.30mm	6.40mm	5.80mm	5.10mm

DIAMOND CLARITY GRADING SCALE

FL	IF	VVS1	VVS2	VS1	VS2	S11	S12	I1	I2	I3
FLAWLESS - INTERNALLY FL.		VERY VERY SLIGHTLY INCLUDED		VERY SLIGHTLY INCLUDED		SLIGHTLY INCLUDED		INCLUDED/PIQUE		

DIAMOND COLOR GRADING SCALE



D - Z DIAMOND COLOR GRADING SCALE

DIAMOND FLUORESCENCE GRADING SCALE



DIAMOND POLISH & SYMMETRY GRADING SCALE

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
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BRILLIANT CUT DIAGRAM



BUY WITH
CONFIDENCE

GCAL BY SARINE™
4Cs GRADING GUARANTEE

The GCAL by Sarine™ philosophy is simple: we believe consumers should feel confident about their lab grown diamond purchase, in the same way we believe experts should be accountable and stand behind their work.

This is why your lab grown diamond is protected by a zero tolerance, money-backed grading guarantee. You should know that the GCAL by Sarine™ 4Cs Grading Certificate is the only 4Cs grading certificate in the world that comes with a guarantee that ensures the accuracy of the certified lab grown diamonds' weight and quality grades. If the carat weight or any of the cut, color, or clarity grades provided in this GCAL by Sarine™ 4Cs Grading Certificate is lower than the weight or quality grade of your certified lab grown diamond, GCAL by Sarine™ will reimburse you the difference between what you paid for the lab grown diamond and the current fair value of an equivalent lab grown diamond in the market in which it was purchased, pursuant to the newly established grades. Kindly see additional details, including the limitations of the guarantee, at [GCALUSA.com](https://www.gcalusa.com).

MISSION STATEMENT

To provide the most accurate and consistent gemological grading, with uncompromising integrity and unparalleled customer service.

GEMPRINT®

Having a traceable, unique “fingerprint” of your lab grown diamond adds future protection to your investment, as well as peace of mind. GCAL by Sarine™ records the distinctive Gemprint of every diamond we certify. This patented technology for positive identification is recognized worldwide as forensic evidence and identification. Register your lab grown diamond at [GEMPRINT.com](https://www.gemprint.com)

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GUARANTEED
CERTIFICATE



LAB GROWN



8X® is the highest achievement in precision diamond cutting. The **GCAL 8X** Ultimate Diamond Cut Grading System encompasses all aspects of diamond CUT quality assessment. Your lab Grown diamond has achieved grades of Excellent in all eight aspects of CUT quality assessment. As a result, this lab grown diamond is recognized for its extraordinary brilliance and beauty.

PHYSICAL EXCELLENCE

The first three of the 8X grading factors analyze the exactness of the physical surface, the facet shapes, as well as the angles. This includes the Polish, External Symmetry and Proportions.

Decades of meticulous mathematical calculations have determined the narrow proportion ranges required to produce superior cut diamonds. Each shape has been studied individually to find the most aesthetically pleasing parameters. Some of the factors considered are listed below.

To view the proportions specifications for each shape, please visit our website [GCALUSA.COM](https://www.gcalusa.com)

Table %	Lower Girdle Facet Length
Depth %	Star Length
Crown Angle/Height	Girdle Thickness
Pavilion Angle/Height	Culet Size

LIGHT PERFORMANCE EXCELLENCE

The next three of the 8X grading factors are Brilliance, Fire and Scintillation, which analyze the light handling ability of your lab grown diamond. The combination of these factors is the essence of what makes any diamond visibly shine, dance and sparkle from across a room. Fire and Scintillation are graded while the diamond is in motion and interacting with light. View the Fire and Scintillation videos of this lab grown diamond at [GCALUSA.com](https://www.gcalusa.com) or by scanning the QR code on this certificate.

OPTICAL EXCELLENCE

The last two 8X grading factors consider optical excellence. These factors scrutinize the craftsmanship, the precise alignment of the crown and pavilion facets, the shape outline, and the length to width ratio, ensuring the lab grown diamond achieves aesthetic perfection.

Grading scales for each of the 8X grading factors can be viewed at [GCALUSA.com](https://www.gcalusa.com)

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