



# IGI

Guidelines for Excellent

## **Fancy Shape Cut Grading**

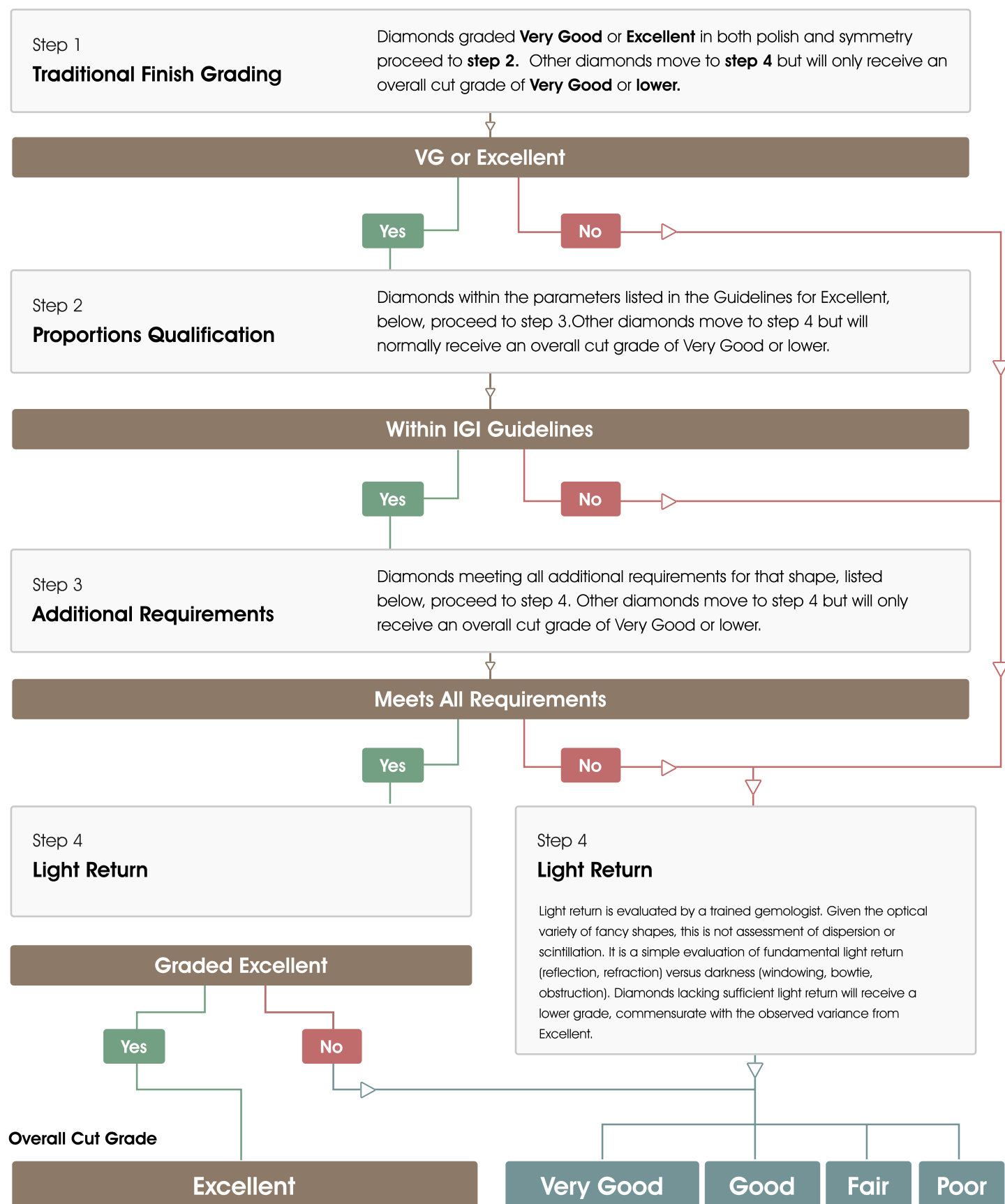




## Grading Methodology

To earn an overall cut grade of Excellent, fancy shapes must undergo a four-step process.

Scan for Video Introduction



Diamonds which have passed steps 1, 2 and 3 and are further judged to have excellent light return will receive an overall cut grade of Excellent.

The overall cut grade of diamonds failing to pass steps 1, 2 or 3 will normally be Very Good or lower, depending on that diamond's collective polish, symmetry, and light return grades.

## Grading Fundamentals

The Cut Grade a Fancy Shape receives is the overall grade of three separate parameters:

- **Polish**, which analyzes how lustrous and unblemished the diamond surface is.
- **Symmetry**, which judges the evenness and consistency of its outline and faceting.
- **Light Return**, which judges how effectively light entering the diamond is returned, back to the eyes of the viewer.

### Parameters affecting the polish grade of fancy shapes:

- Polish lines
- Abrasions
- Scratches
- Pits
- Burn marks

### Parameters affecting the symmetry grade of fancy shapes:

- Misalignment
- Irregular facets (shape or size)
- Off Center Culet / Off Center Table
- Irregular or wavy girdle
- Open facets
- Naturals and extra facets

Parameters affecting the light return grade of fancy shapes:

See Guidelines for Excellent below

<b>Excellent</b>	No defects visible @ 10 x magnification Proportions ideally combine to promote effective light return for that shape
<b>Very Good</b>	Negligible polish/symmetry defects visible @ 10 x magnification Minor variations from excellent light return observed
<b>Good</b>	Moderate polish/symmetry defects readily visible @ 10 magnification Noticeable variations from excellent light return observed
<b>Fair</b>	Significant polish/symmetry defects readily visible @ 10 magnification Obvious variations from excellent light return observed
<b>Poor</b>	Far out of standards

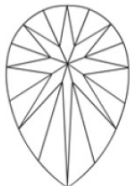
## Continuous Improvement

Step 2 exceptions:

- A diamond with minor variance from given proportion ranges, judged to have excellent light return, may receive an overall grade of Excellent if it passes steps 1 and 3.
- Innovative parameters designed to optimize light return, and other faceting configurations not included in these guidelines, may be submitted for evaluation. Contact IGI.



Pear Brilliant  
Excellent Cut Grade

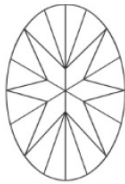


	Excellent	
	Minimum	Maximum
L/W Ratio	1.40:1	1.75:1
Total Depth (%)	57.5	65.0
Table (%)	55.5	63.0
Crown Height (%)	11.5	16.0
Crown Angle (°)	32.0	37.0
Girdle (%)	2.0	5.1
Girdle Thickness	Thin	Slightly Thick
Pavilion Depth (%)	41.0	46.0
Pavilion Angle (°)	38.0	42.5
Culet	Pointed, None, Very Small, Small	
Symmetry	Very Good, Excellent	
Polish	Very Good, Excellent	

**Additional requirements**  
Rounded base, even shoulders  
Bow tie effect is not significant  
\*Table and culet are proportionately positioned along L/W axis.  
Final grade subject to visual confirmation



Oval Brilliant  
Excellent Cut Grade



	Excellent	
	Minimum	Maximum
L/W Ratio	1.35:1	1.50:1
Total Depth (%)	58.0	63.0
Table (%)	56.0	62.0
Crown Height (%)	12.5	16.0
Crown Angle (°)	32.0	38.0
Girdle (%)	2.0	5.1
Girdle Thickness	Thin	Slightly Thick
Pavilion Depth (%)	41.0	46.5
Pavilion Angle (°)	39.5	42.5
Culet	Pointed, None, Very Small, Small	
Symmetry	Very Good, Excellent	
Polish	Very Good, Excellent	

Additional requirements

Bow tie effect is not significant  
Final grade subject to visual confirmation



Marquise Brilliant  
Excellent Cut Grade



	Excellent	
	Minimum	Maximum
L/W Ratio	1.70:1	2.25:1
Total Depth (%)	57.5	64.5
Table (%)	56.0	64.0
Crown Height (%)	11.5	16.5
Crown Angle (°)	31.0	38.0
Girdle (%)	2.0	5.1
Girdle Thickness	Thin	Slightly Thick
Pavilion Depth (%)	41.5	46.0
Pavilion Angle (°)	39.5	42.5
Culet	Pointed, None, Very Small, Small	
Symmetry	Very Good, Excellent	
Polish	Very Good, Excellent	

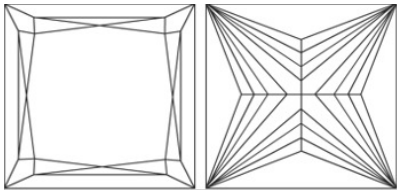
Additional requirements

Bow tie effect is not significant

Final grade subject to visual confirmation



Princess  
Excellent Cut Grade.  
(Square Modified Brilliant)



	Excellent	
	Minimum	Maximum
* L/W Ratio 1.06+ is considered rectangular		
L/W Ratio	1.00:1	1.05:1
Total Depth (%)	65.0	73.0
Table (%)	65.0	74.0
Crown Height (%)	8.0	14.5
Girdle (%)	2.0	5.1
Girdle Thickness	Thin	Slightly Thick
Pavilion Depth (%)	54.5	62.0
Culet	Pointed, None, Very Small, Small	
Symmetry	Very Good, Excellent	
Polish	Very Good, Excellent	

Additional requirements

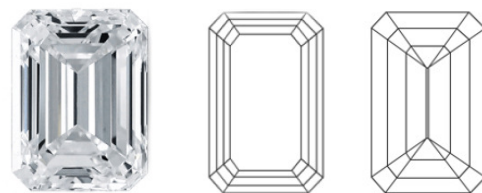
Chevrons in pavilion:

- 1. Must be minimally visible in face-up position
- 2. Must be even, symmetrically

Final grade subject to visual confirmation



Emerald  
Excellent Cut Grade



	Excellent	
	Minimum	Maximum
L/W Ratio	1.35:1	1.56:1
Total Depth (%)	60.0	68.0
Table (%)	58.0	68.0
Crown Height (%)	11.0	16.0
Crown Angle (°)	30.0	40.0
Girdle (%)	2.0	5.1
Girdle Thickness	Thin	Slightly Thick
Pavilion Depth (%)	47.0	53.0
Pavilion Angle (°)	40.0	43.0
Culet	None, Long (Faceted)	
Symmetry	Very Good, Excellent	
Polish	Very Good, Excellent	

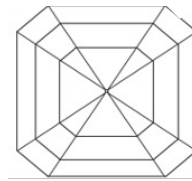
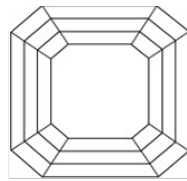
Additional requirements

Final grade subject to visual confirmation





Square Emerald  
Excellent Cut Grade

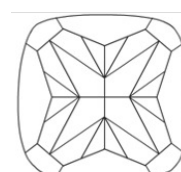
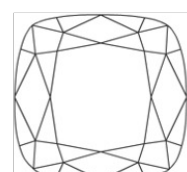


	Excellent	
	Minimum	Maximum
* L/W Ratio 1.06+ is considered rectangular		
* L/W Ratio	1.00:1	1.05:1
Total Depth (%)	63.0	69.0
Table (%)	58.0	64.0
Crown Height (%)	11.0	16.0
Crown Angle (°)	32.0	37.0
Girdle (%)	2.0	5.1
Girdle Thickness	Thin	Slightly Thick
Pavilion Depth (%)	47.0	54.0
Pavilion Angle (°)	39.0	43.0
Culet	Pointed, None, Very Small, Small	
Symmetry	Very Good, Excellent	
Polish	Very Good, Excellent	

Additional requirements

Final grade subject to visual confirmation

# Square Cushion Modified Brilliant Excellent Cut Grade



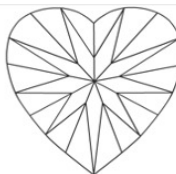
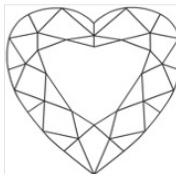
	Excellent	
	Minimum	Maximum
* L/W Ratio 1.06+ is considered rectangular		
<b>L/W Ratio</b>	1.00:1	1.05:1
<b>Total Depth (%)</b>	62.0	68.0
<b>Table (%)</b>	55.0	62.0
<b>Crown Height (%)</b>	8.0	16.0
<b>Girdle (%)</b>	2.0	5.1
<b>Girdle Thickness</b>	Thin	Slightly Thick
<b>Pavilion Depth (%)</b>	40.0	56.0
<b>Culet</b>	Pointed, None, Very Small, Small	
<b>Symmetry</b>	Very Good, Excellent	
<b>Polish</b>	Very Good, Excellent	

## Additional requirements

Final grade subject to visual confirmation



Heart Brilliant  
Excellent Cut Grade

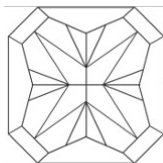
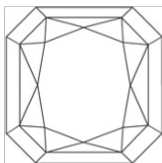


	Excellent	
	Minimum	Maximum
L/W Ratio	0.85:1	0.95:1
Total Depth (%)	51.9	61.0
Table (%)	58.0	64.0
Crown Height (%)	11.5	14.0
Crown Angle (°)	32.0	38.0
Girdle (%)*	2.0	5.1
Girdle Thickness <small>Girdle thickness excludes shoulders</small>	Thin	Slightly Thick
Pavilion Depth (%)	39.0	43.0
Pavilion Angle (°)	39.0	42.5
Culet	Pointed, None, Very Small, Small	
Symmetry	Very Good, Excellent	
Polish	Very Good, Excellent	

**Additional requirements**  
Bow tie effect is not significant  
Final grade subject to visual confirmation



Cut Cornered Square  
Modified Brilliant  
Excellent Cut Grade



\* L/W Ratio 1.06+  
is considered rectangular

	Excellent	
	Minimum	Maximum
L/W Ratio	1.00:1	1.05:1
Total Depth (%)	62.0	68.0
Table (%)	62.0	67.0
Crown Height (%)	12.0	15.0
Girdle (%)	2.0	5.1
Girdle Thickness	Thin	Slightly Thick
Pavilion Depth (%)	47.0	56.0
Culet	Pointed, None, Very Small, Small	
Symmetry	Very Good, Excellent	
Polish	Very Good, Excellent	

Additional requirements

Final grade subject to visual confirmation