



T.C.
Ankara Üniversitesi
Mühendislik Fakültesi
Jeoloji Mühendisliği Bölümü



JEM 227 GEMOLOJİ

Dr. Öğr. Üyesi Kıymet DENİZ

2. Hafta

2020-2021 Güz Dönemi

Bu ders notlarının hazırlanmasında Mefail Yenyol'un sunularından ve Mineraloji kitabından yararlanılmıştır.

SÜSTAŞLARININ KESİM ŞEKİLLERİ



BAGUETTE



TABLE



SQUARE



SCISSOR



OVAL



PENDELOQUE



MARQUISE



OCTAGONAL



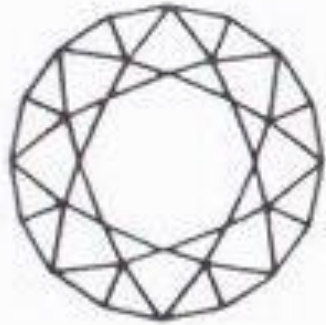
CUSHION



ROUND



MIXED



Brilliant full cut



Eight cut



Rose



Half dutch rose

DIAMOND SHAPES



ROUND BRILLIANT



PRINCESS CUT



EMERALD CUT



OVAL



BAGUETTE



PEAR



MARQUISE



HEART



ASSCHER



RADIANT



CUSHION



TRILLIANT



Round



Princess



Radiant



Emerald



Oval



Pear



Asscher



Flanders



Heart



Cushion



Marquise

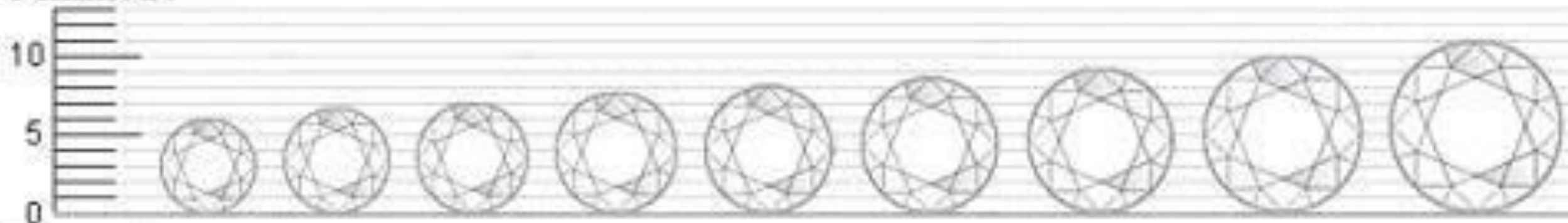


Old Miner



Trillion

Milimetre



Karat	0.25	0.50	1.00	1.50	2.00	2.50	3.00	4.00	5.00
mm	4.10	5.10	6.45	7.45	8.10	8.60	8.10	10.10	11.00

Pırlanta Kesim Şekilleri



İdeal Kesim



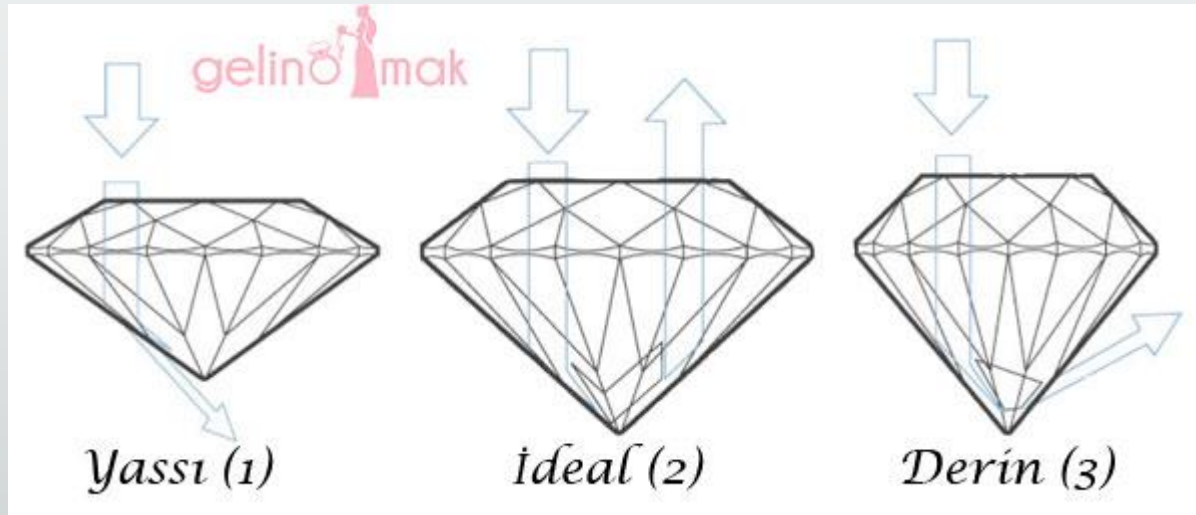
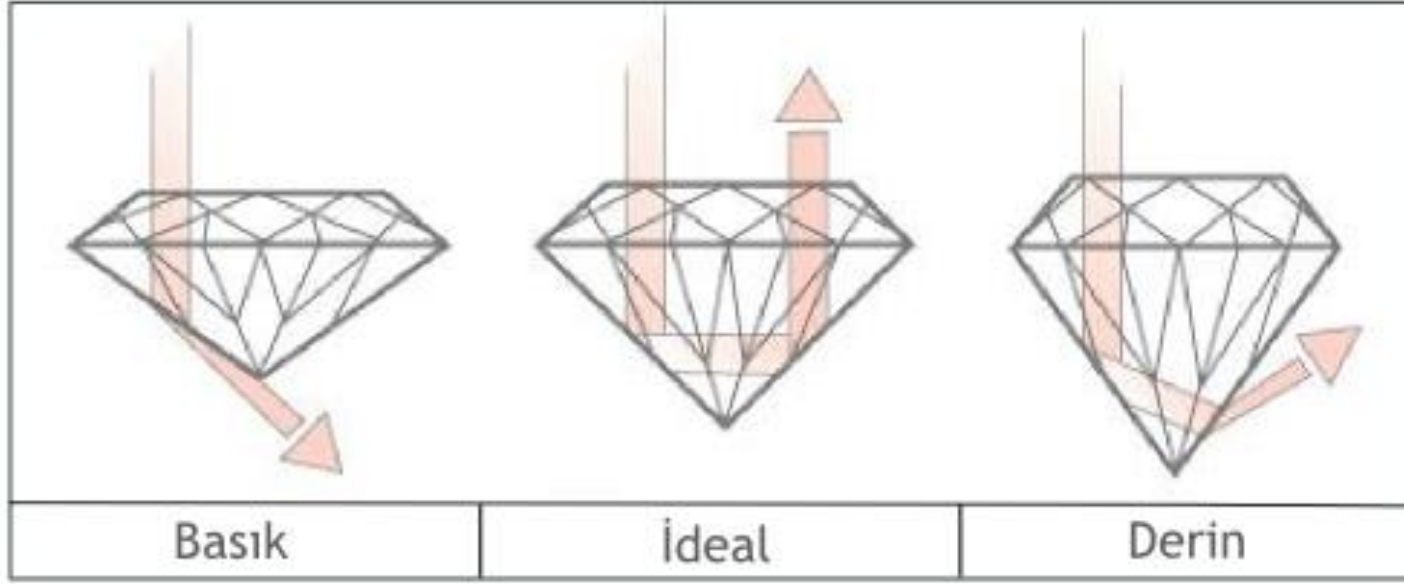
Derin Kesim



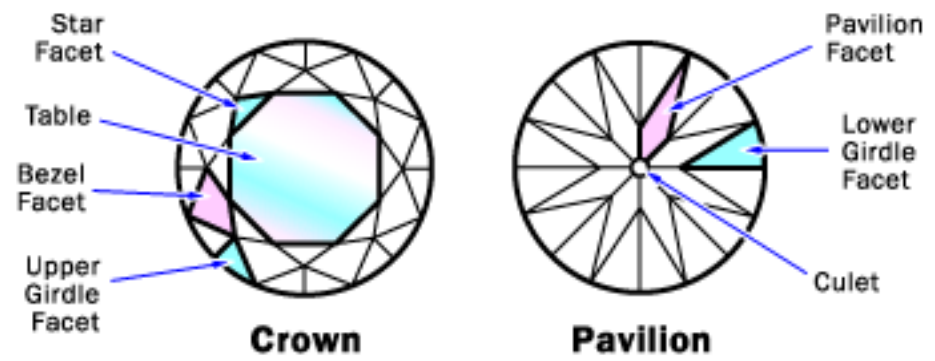
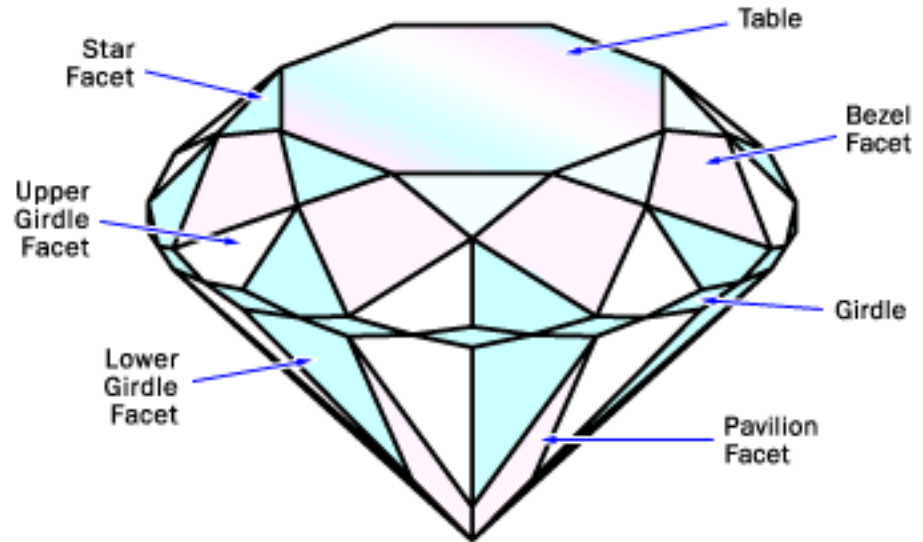
Derin Olmayan Yüzeysel kesim

Roberto Bene

PIRLANTA KESİMİ



The Facets of a Diamond



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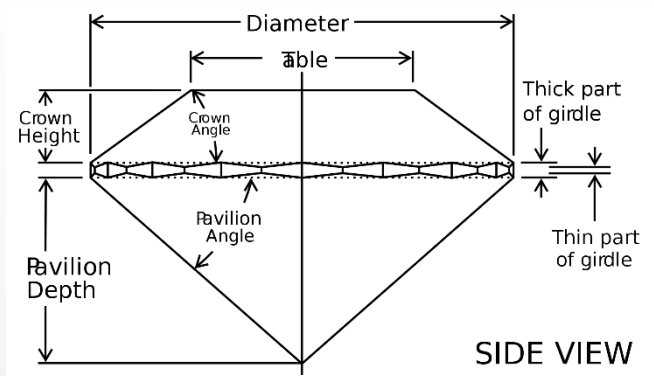
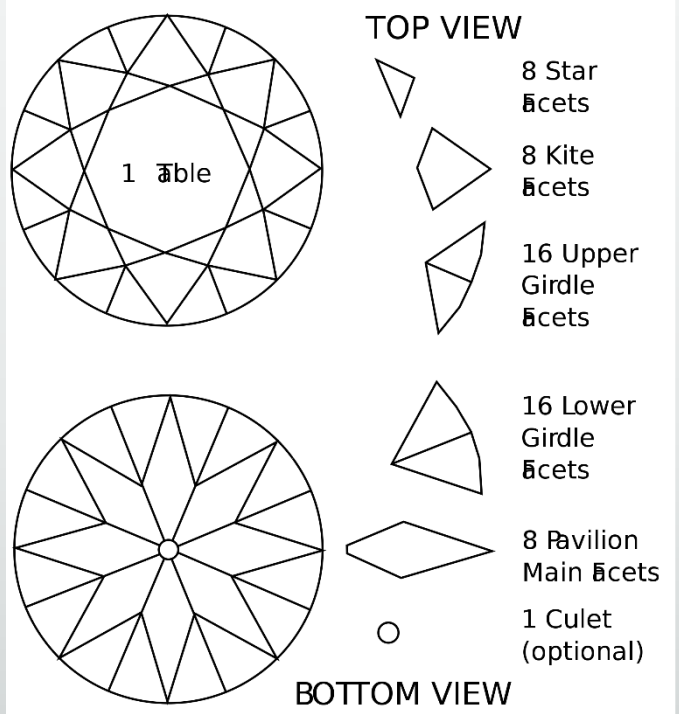


Figure 1: Diamond Proportions





GIA

GEOLOGICAL INSTITUTE OF AMERICA*

GIA DIAMOND DOSSIER™

January 4, 2008

Laser Inscription Registry..... **GIA 13733089**
Shape and Cutting Style..... **Round Brilliant**
Measurements..... **5.70 - 5.74 x 3.58 mm**

GRADING RESULTS - GIA 400

Carat Weight..... **0.74 carat**
Color Grade..... **G**
Clarity Grade..... **S11**
Cut Grade..... **Very Good**

ADDITIONAL GRADING INFORMATION

Clarity Characteristics..... **Crystal, Feather
Finish**
Polish..... **Very Good**
Symmetry..... **Very Good**
Fluorescence..... **None**
Comments:
*SAMPLE***SAMPLE***SAMPLE***SAMPLE*****SAMPLE***
Laser Inscription: **FOREVER YOURS, JOHN**

The World's Premier Authority in Gemology™

**GIA
COLOR
SCALE**

D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

**GIA
CLARITY
SCALE**

FLAWLESS
INTERNAL FLAWLESS
VVS₁
VVS₂
VS₁
VS₂
SI₁
SI₂
I₁
I₂
I₃

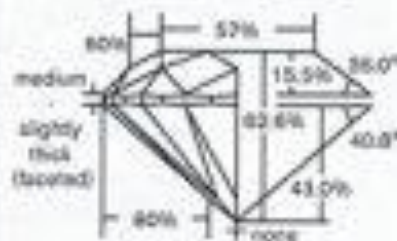
**GIA
CUT
SCALE**

EXCELLENT
VERY GOOD
GOOD
FAIR
POOR



341384502

This Report is not a guarantee, valuation or appraisal and contains only the characteristics of the diamond described herein after it has been graded, tested, examined and analyzed by the GIA Laboratory and/or has been inscribed using the techniques and equipment used by the GIA Laboratory at the time of the examination and/or inscription. The recipient of this Report may wish to consult a credentialed jeweler or gemologist about the information contained herein.



Profile to actual proportions.



The information on this document applies to the diamond described on the report only. It does not apply to other diamonds. Please consult the GIA Laboratory for more information.

IMPORTANT LIMITATIONS ON BACK
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Jaipur Gems Research Laboratory

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Gems Testing Report

IG.No. :- JGRL/ 350

Report No. : 982207
Colour : GREEN
Weight : 9.55Ct
Species/Group :
Shape & Cut : OCTA/MIX
Transparency : S-TP
Optic Character : D.R.
R.I. : 1.57-1.60
S.G. : 2.68-2.80
Hardness : 7.5-8
Remarks :



MM.-7.00X13.00X6.00



R.S.Sharma
R.S.Sharma gemologist (IGJ)

M.K.sharma gemologist (jgrl-MDr.)

IDENTIFIED AS:- NATURAL EMERALD (PANNA)

WWW.JGRL.IN



GEMOLOGICAL
INTERNATIONAL LABORATORIES

Canada - Thailand

GIL DIAMOND REPORT

Description: NATURAL DIAMOND
Shape: Round Brilliant Cut
Measurement: 6.06mm x 6.02mm x 3.78mm
Weight: 0.91 Carats
Clarity: SI2
Colour: Natural Fancy Yellowish Green
Cut: Very Good

PROPORTIONS

Total Depth %: 62.6%
Table %: 61.0%
Culet: None
Girdle: Thin 1.1%
Crown Angle: 36.5°
Crown Height %mm: 14.5%/0.88mm
Pavilion Angle: 40.1°
Pavilion Depth %mm: 41.5%/2.50mm

FINISH

Polish: Very Good
Symmetry: Very Good

Fluorescence: None