Diamond Engineering Blue Print of a Round Brilliant Cut Diamond

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Striving for Excellence – ALWAYS "Excellence, is not an act, it is a Habit!!!!!"

Full Disclosure and Complete Transparency

Diamond Engineering Blue Print of a Round Brilliant Cut Diamond

This is kind of cool because most consumers and everyday people have never really seen what all is involved in cutting a diamond.

Diamonds are the Hardest Material to Cut & Polish.

In a way, it in nothing more than a Machining and Milling Process of Exotic Materials

However with Diamonds you are dealing with very small objects that are small and hard to hold during the Cutting and Polishing Process.

Tolerances are pretty tight but the Aircraft and Aerospace Industry can still hold better tolerances and smaller run-out even with High Tech Exotic Materials

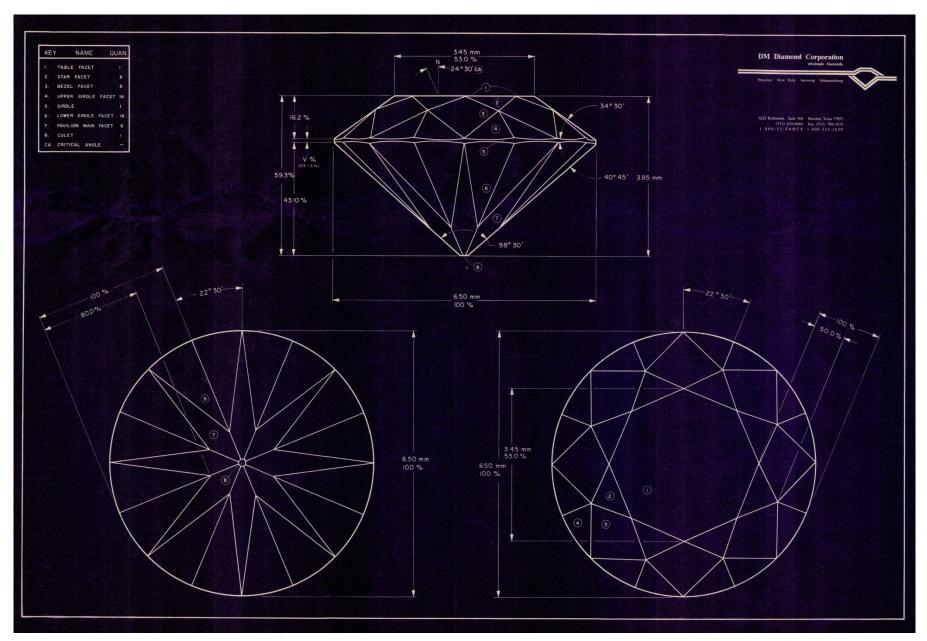
A lot of the diamond cutting companies still use tools and machinery that date back to the turn of the century, 1900's

A few diamond cutting companies however are using the most advanced tooling, machinery to-date, up to and including lasers, 3-D Scanners that plot the rough diamonds and the computers then formulate a plan of cutting so that the least amount of material is lost during the cutting and polishing process.

Some High Tech Machines can even see and plot inclusions inside the rough so that stones of the Highest quality can be yielded from the rough which would bring the highest return when they sell them.

It's all about the money, in the long run.

However all of those High Tech Next Generation Machines costs tons of money so Capital Investment and the Return on that investment also has to be calculated as well



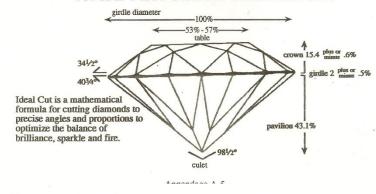
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ROUND DIAMONDS ONLY

Proportions & Finish Grades of a Round Brilliant Cut Diamond

F	← Best	Standard		Worsi→	
	CLASS I	CLASS II	CLASS III	CLASS IV	
Table %	53% to 57%	61% to 64%	65% to 70%	Greater than 70% or Less than 53%	
Crown °	34° to 35°	32° to 36°	30° to 32° or 36° to 38°	Greater than 38° or Less than 30°	
Girdle	Thin to Medium	Thin to Thick	Thin to Very Thick	Very to Extremely Thin or Extremely Thick	
Pavilion %	43%	42% to 44%	41% to 46%	Greater than 46% or Less than 40%	
Symmetry & Polish	Excellent to Very Good	Good	Fair	Fair to Poor	
Approx. Price Adjustment	+10% to +15%	Standard	-10% to -15%	-15% to -50%	

VISUAL PROPORTION COMPARISONS



When looking at buying a diamond with or without a Diamond Grading Report from an Internationally known and respected Diamond Grading Lab you should also have a Very Experienced fully credentialed gemologist, graduate Gemologist, Certified Gemologist, Professional Gemologist, FGA go over the report and the diamond together

NEVER EVER buy a diamond just based on the paperwork alone.

Paperwork can be very confusing and even deceiving and deceptive and that is why you need a REAL Professional present to go over the paperwork and the diamond together.

Don't buy into the Hype.

This was the OLD Cut Grading System used before GIA started to mess with it in the late 1990's

I believe this was originally from an old AGA Accredited Gemologists Association insert in their handbook back in the late 80's or very early 90's

This was more of a Guideline as to CUT GRADE long before GIA Gemological Institute of America began to mess around and design their own CUT GRADING SYSTEM in the late 90's, 97, 98.

It was introduced and began to appear on their Diamond Grading Reports in June of 2000, I believe or somewhere in that time frame

A Bunch of Research was done and it was published in Gems & Gemology Magazine for nearly 2 or 3 years. Justifying how they came to their conclusions

However, A Bunch of people in the Diamond Cutting Industry, Diamond Grading Industry, Diamond Vendors and Suppliers and a Bunch in the Jewelry Industry as a whole including Jewelry Store Owners, Managers, Salespeople, Gemologists, Graduate Gemologists, Certified Gemologists, FGA's were diametrically opposed to the New GIA Cut Grading Parameters of Proportions, Percentages, Angles, Degrees, and Symmetry

Even today, other Internationally known and respected Diamond Grading Lab have their own Cut Grading Ratings and Grading that are different from what GIA did.

The Cut Grading Debate is just as much alive as it was back in the Late 90's

Everyone who opposes it or flat out rejects GIA's Controversial Diamond Cut Grading for Round Brilliant Cuts have their own personal take on it.

I was first taught how to grade diamonds the OLD AGS American Gem Society way in 1980 in Gemology Class at PJC Paris Junior College in Paris Texas.

I also learned to grade Diamonds the GIA way in the same class in 1980.

Thankfully I learned both methods and I also heard about a different method that FGA/GB did back then as well for Clarity Grading.

I then went on to become a Gemologist and a Graduate Gemologist through GIA and thoroughly learned their method and methodology in the late 1980's and early 1990's long before they decided to design their own Cut Grading System to go along with Color Grading System and Clarity Grading System that they developed and introduced to the world.

GIA has done a lot of Great Things for the Diamond Industry and for the Jewelry Industry but at the same time they have also done a few Bone-Headed things along the way, but hey, that's to be expected as you can't be right 100% of the time or get things right the first time around.

However it would not be a very good idea to blindly accept everything from just One (2) or even Two (2) Companies as there are a ton of very smart people both in and out of the Diamond and Jewelry Industry who can contribute to the over-all well being and health of the Diamond and Jewelry Industry, from Ethics, Optical & Light behavioral Physicists, Camera Optics and Sensors, Advanced Machine Learning to near A.I. Artificial Intelligence, statistical analysis, and the list goes on and on.

Any way, it was a Cool Gift that My Diamond Dealer Sent me and I had it professionally framed and I also had a spare copy as well

This is the spare copy, my framed copy is at home