

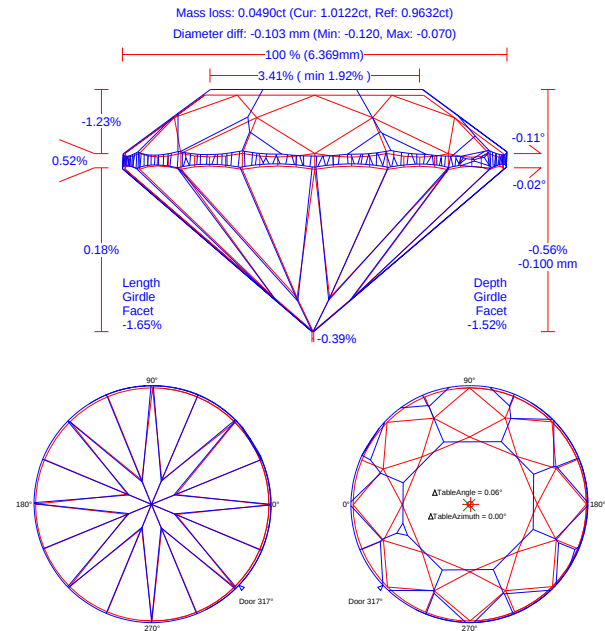
COMPARATIVE REPORT FOR BRILLIANT

Semi-Polished Brilliant 11.2.2021
Current model: Imported - CrownMainStep3_rot_130_slope_1.mme
Reference model: 1
Report type: Comparative (Reference - Current), Frozen

Expert name N/A
ΔReal weight, ct N/A
ΔCalculated weight, -0.05, -0.0490
ΔSpread 0.00 ct, -0.01 %
ΔAGS Spread N/A ct, N/A %

ΔRatio (L/W)	ΔMinimum Diameter	ΔMaximum Diameter	ΔTotal height
-0.006	-0.075 mm	-0.111 mm	-0.100 mm

ΔCrown height	ΔPavilion depth	ΔTable	ΔCulet	ΔGirdle		
				Bezel	Bone	Valley
-0.094 mm	-0.034 mm	0.157 mm	-0.025 mm	0.029 mm	0.014 mm	-0.010 mm



Current cutting
Reference cutting
+ Current culet center
X Current table center
Circles indicate reference culet and table centers
Circles diameters are: 9.6%, 4.8%, 2.4%, 1.2%

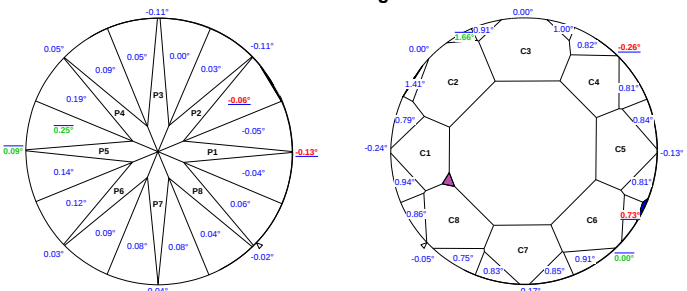
Table center offset: 0.020 mm 0.32 %
Culet center offset: 0.004 mm 0.07 %

Parameter	Avg	Min	Max	Dev
ΔDiameter,mm	-0.103	-0.120	-0.070	
ΔCrown angle,°	-0.11	-0.26	0.00	0.26
ΔPavilion angle,°	-0.02	-0.13	0.09	0.23
ΔTotal height,%	-0.56			
ΔCrown height,%	-1.23	-1.85	-0.70	1.15
ΔCrown height bone,%	-0.87	-1.44	-0.36	1.08
ΔPavilion depth,%	0.15	-0.09	0.41	0.50
ΔPavilion depth bone,%	0.22	-0.02	0.54	0.56
ΔTable,%	3.41	1.92	5.02	3.11
ΔCulet,%	-0.39	-0.36	-0.41	-0.05
ΔGirdle Bezel,%	0.52	0.08	1.36	1.28
ΔGirdle Bone,%	0.30	-0.37	1.70	2.07
ΔGirdle Valley,%	-0.13	-0.58	0.27	0.85
ΔStar:		N/A:	N/A:	N/A
ΔUpper ratio,%	N/A	N/A	N/A	N/A
ΔStar angle,°	N/A	N/A	N/A	N/A
ΔUpper girdle angle,°	0.93	0.73	1.66	0.93
ΔLength girdle facet,%	-1.65	-2.09	-1.16	0.93
ΔLower girdle angle / ΔHalves angle,°	0.07	-0.06	0.25	0.31
ΔCrown height,mm	-0.094	-0.134	-0.061	0.073
ΔPavilion height,mm	-0.033	-0.047	-0.014	0.033
ΔTable,mm	0.157	0.063	0.260	0.198
ΔCulet,mm	-0.025	-0.023	-0.026	-0.003
ΔGirdle Bezel,mm	0.029	0.001	0.082	0.081

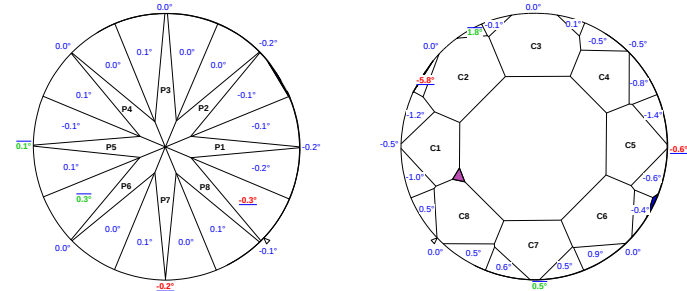
Measurement as per OctoNus theory:

	Avg	Min	Max	Dev	1	2	3	4
ΔCrown angle,°	-0.11	-0.18	0.00	0.18	-0.18	0.00	-0.09	-0.16
ΔPavilion angle,°	-0.02	-0.04	0.01	0.05	-0.02	-0.04	-0.03	0.01

ΔFacet angles

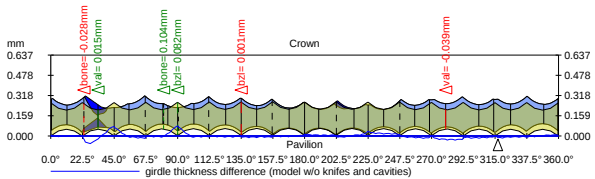


ΔFacet azimuths

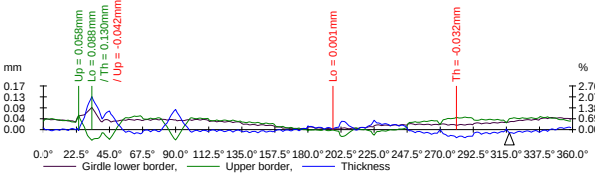


1	2	3	4	5	6	7	8
-0.100	-0.098	-0.102	-0.109				
-0.24	0.00	0.00	-0.26	-0.13	0.00	-0.17	-0.05
-0.13	-0.11	-0.11	0.05	0.09	0.03	0.04	-0.02
-0.72	-1.83	-1.89	-0.78	-1.33	-1.58	-0.90	-0.80
-0.36	-0.42	-1.44	-1.43	-0.58	-0.85	-1.01	-0.83
-0.05	0.06	-0.03	0.20	0.47	0.37	0.30	0.12
0.17	0.04	0.07	0.42	0.54	0.30	0.27	-0.02
2.84	5.02	3.85	1.92				
0.21	1.21	1.35	0.01	0.29	0.65	0.04	0.12
-0.37	-0.19	1.70	1.38	-0.07	-0.10	-0.02	0.04
0.00	0.49	-0.11	-0.11	0.03	-0.12	-0.10	-0.16
-0.07	0.06	0.02	0.28	-0.19	-0.45	-0.24	-0.13
N/A:	N/A:	N/A:	N/A:	N/A:	N/A:	N/A:	N/A:
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
0.79	1.41	1.66	0.91	1.00	0.82	0.81	0.84
0.81	0.73	0.91	0.85	0.83	0.75	0.86	0.94
-1.56	-2.05	-1.39	-1.33	-2.09	-1.86	-1.94	-1.78
-1.88	-1.42	-1.26	-1.77	-1.32	-1.16	-1.79	-1.80
-0.05	-0.06	0.03	0.00	0.05	0.09	0.19	0.25
0.14	0.12	0.09	0.08	0.08	0.04	0.06	-0.04
-0.062	-0.133	-0.136	-0.065	-0.101	-0.116	-0.073	-0.067
-0.047	-0.040	-0.046	-0.031	-0.014	-0.021	-0.025	-0.037
0.122	0.260	0.185	0.063				
0.009	0.073	0.082	-0.004	0.014	0.037	-0.002	0.003

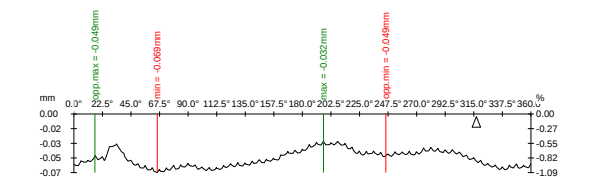
Girdle difference (mm)



Girdle difference by layers (mm)



Radius-vector difference (mm)



Reference girdle Current girdle

	Avg	Min	Max	Dev
Crown facet position difference, °	1.495	0.000	11.906	11.906
Crown slope difference, °	1.237	0.000	11.155	11.155
Crown azimuth difference, °	1.032	0.000	5.788	5.788

	Avg	Min	Max	Dev
Pavilion facet position difference, °	0.105	0.028	0.257	0.229
Pavilion slope difference, °	0.073	0.004	0.250	0.247
Pavilion azimuth difference, °	0.093	0.005	0.294	0.289

