

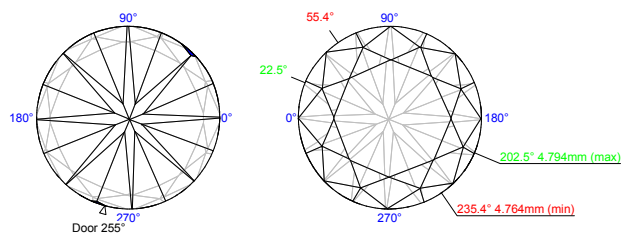
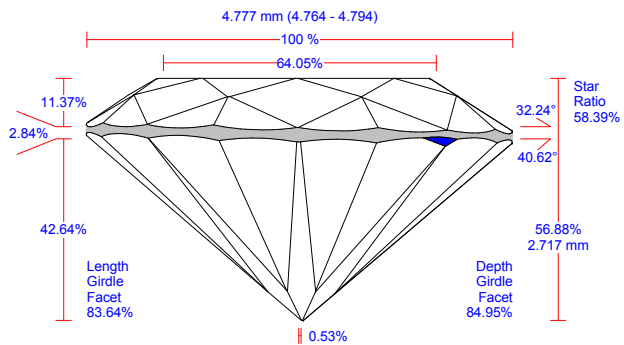
# ILLUSTRATED REPORT FOR BRILLIANT

Polished Brilliant 10.06.2009

Model Simple  
 Expert name Makoed A.G.  
 Real weight, ct  
 Calculated weight, ct 0.37, 0.3756  
 Measurements 4.777 (4.764 - 4.794) x 2.717 /0.018 mm  
 Spread 0.03 ct, 8.38 %  
 AGS Spread 0.03 ct, 8.08 %  
 Extra Facet Girdle / Nat Yes (2)

Width	Length	Ratio (L/W)	Diameter Minimum	Diameter Maximum	Diameter Average	Total height
4.764 mm	4.794 mm	1.006	4.764 mm	4.794 mm	4.777 mm	2.717 mm

Crown height	Pavilion depth	Table	Culet	Girdle		
				Bezel	Bone	Valley
0.543 mm	2.037 mm	3.060 mm	0.025 mm	0.136 mm	0.158 mm	0.073 mm



Appraiser title  
 Overall cut quality  
 Symmetry appraiser title  
 Overall symmetry quality

GIA\_PCTG\_StarCul  
 G  
 Internal  
 FR

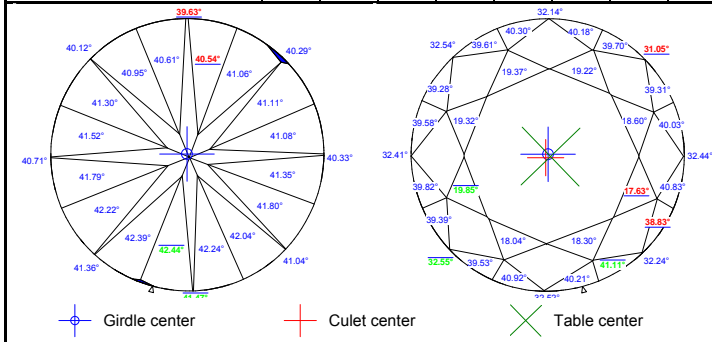
Color	Clarity	Polish	Fluorescence

Parameter	Avg	Min	Max	Dev	Cut	Sym
Diameter,mm	4.777	4.764	4.794	0.62%	E	VG
Radius,mm	2.388	2.373	2.407	0.72%		
Crown angle,°	32.24	31.05	32.55	1.50	Grading	VG
Pavilion angle,°	40.62	39.63	41.47	1.84	Grading	GD
Total height,%	56.88				V	
Crown height,%	11.37	10.64	12.34	1.71	V	GD
Crown height bone,%	11.00	9.39	12.20	2.81		
Pavilion depth,%	42.64	41.67	43.72	2.05	N/A	GD
Pavilion depth bone,%	42.58	41.70	43.69	2.00		
Table,%	64.05	63.84	64.15	0.31	Grading	EX
Culet,%	0.53	0.35	0.63	0.28	E	EX
Girdle Bezel,%	2.84	2.39	3.40	1.01	E	GD
Girdle Bone,%	3.30	2.94	3.80	0.86		VG
Girdle Valley,%	1.53	1.16	1.98	0.82	E	EX
Star:	58.39:	54.01:	63.15:	9.14	E	FR
Upper ratio,%	41.61	45.99	36.85			
Star angle,°	18.79	17.63	19.85	2.21		VG
Upper girdle angle,°	39.91	38.83	41.11	2.28		VG
Length girdle facet,%	83.64	81.71	85.34	3.63	E	VG
Lower girdle angle / Halves angle,°	41.53	40.54	42.44	1.91		VG
Twist,°	1.38	0.03	3.61	3.58		FR
Crown height,mm	0.543	0.508	0.590	0.082	V	GD
Pavilion depth,mm	2.037	1.990	2.088	0.098	N/A	GD
Table,mm	3.060	3.050	3.064	0.015	Grading	EX
Culet,mm	0.025	0.017	0.030	0.013	E	EX
Girdle Bezel,mm	0.136	0.114	0.162	0.048	E	GD

Measurement as per OctoNus theory:

Parameter,°	1	2	3	4	5	6	7	8
Crown angle,°	32.24	31.80	32.42	0.62				
Pavilion angle,°	40.62	40.52	40.82	0.31				
Fish eye effect,°			3.36				N/A	
Culet through Crown Bezel,°			25.30				N/A	

Parameter,°	1	2	3	4	5	6	7	8
Pav. azimuths dev. from ideal	0.00	0.09	0.15	1.58	1.30	0.36	0.11	0.03
Crown azimuths dev. from ideal	0.04	0.81	-0.38	-0.42	-2.31	1.24	0.08	3.22
Crown painting	-1.37	-1.48	-2.05	-0.65	-1.03	-1.14	-0.84	-2.94
Pavilion painting	-1.42	-4.24	-0.80	-2.93	-0.33	-1.85	-1.72	-0.43
	-0.16	-2.07	-1.37	-0.75	0.98	-0.30	0.35	-0.41
	0.10	-1.29	0.97	-0.60	0.16	-0.35	-0.16	0.17



Girdle-Culet offset by table axis	1.52 ± 0.26, %	0.073 ± 0.012, mm
Girdle-Table offset by table axis	1.24 ± 0.23, %	0.059 ± 0.011, mm
Table-Culet offset by table axis	1.83 ± 0.27, %	0.087 ± 0.013, mm
Girdle to table-culet line offset	1.07 %, 0.051 mm	

1	2	3	4	5	6	7	8
4.783	4.772	4.775	4.775				
2.398	2.380	2.374	2.374	2.385	2.392	2.400	2.401
32.41	32.54	32.14	31.05	32.44	32.24	32.52	32.55
40.33	40.29	39.63	40.12	40.71	41.36	41.47	41.04
12.34	12.14	11.54	10.84	10.64	10.64	11.16	11.64
12.20	11.59	11.13	10.47	9.39	10.64	10.72	11.87
41.67	42.24	41.95	42.85	43.48	43.72	43.06	42.18
41.70	41.75	42.31	43.35	43.69	43.31	42.58	41.96
64.07	64.15	64.14	63.84				
2.87	2.39	3.40	3.19	2.72	2.47	2.60	3.06
2.99	3.54	3.44	3.07	3.80	2.94	3.59	3.05
1.43	1.16	1.38	1.98	1.96	1.76	1.68	1.35
1.63	1.34	1.27	1.17	1.44	1.70	1.73	1.54
54.65:	57.84:	60.63:	58.79:	63.15:	60.26:	57.78:	54.01:
45.35	42.16	39.37	41.21	36.85	39.74	42.22	45.99
19.32	19.37	19.22	18.60	17.63	18.30	18.04	19.85
39.58	39.28	39.61	40.30	40.18	39.70	39.31	40.03
40.83	38.83	41.11	40.21	40.92	39.53	39.39	39.82
84.20	83.27	82.67	81.94	82.31	81.71	82.81	82.65
83.09	83.59	84.35	85.34	85.25	84.74	85.21	85.13
41.08	41.11	41.06	40.54	40.61	40.95	41.30	41.52
41.79	42.22	42.39	42.44	42.24	42.04	41.80	41.35
0.04	0.73	0.54	2.00	3.61	0.88	0.03	3.19
0.590	0.580	0.551	0.518	0.508	0.508	0.533	0.556
1.990	2.018	2.004	2.047	2.077	2.088	2.057	2.015
3.061	3.064	3.064	3.050				
0.137	0.114	0.162	0.153	0.130	0.118	0.124	0.146

32.42	32.39	32.33	31.80				
40.52	40.82	40.55	40.58				
MIC,mm		4.746			Extra Facet Crown		No
Girdle to MIC,mm		0.018			Extra Facet Pavilion		No

Paint / Dug	Avg	Type	Sym	Dev	Sym
Crown,°	-1.58	Painting	EX	-4.24	EX
Crown,notch.	0.4, Small			1.1	
Pavilion,°	-0.30		EX	-2.07	EX
Pavilion,notch.	0.1, Negligible			0.6	

