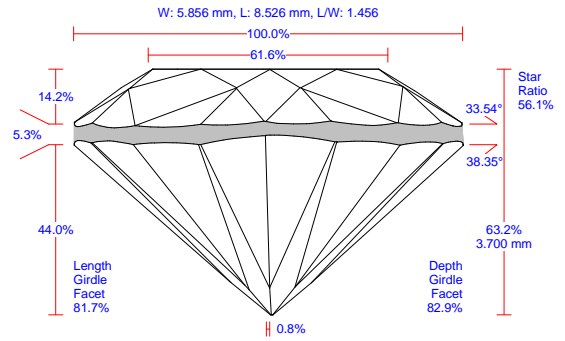


Full report for rounded fancies

Pear

General information

Model Simple
 Expert name Makoed A.G.
 Report date 08.12.2007
 Real weight, ct
 Calculated weight, ct 1.12, 1.1203
 Appraiser title AGS_2005
 Overall cut quality N/A
 Symmetry appraiser title Internal
 Overall symmetry quality PR
 Spread 0.08 ct, 6.48 %
 EF / Nat No



Main parameters

Parameter		Avg	Min	Max	Dev	Cut	Sym
Diameter (width & length)	mm		5.856	8.526	Ratio: 1.456	N/A	
Crown curve angle	°	33.54	32.80	34.29	1.49		
Crown head angle	°	33.61	32.83	34.95	2.12		
Crown point angle	°	26.27	26.27	26.27	0.00		
Crown wing angle	°	36.06	35.80	36.32	0.52		
Crown curve height	%	13.75	13.67	13.83	0.16		
Crown curve height	mm	0.805	0.801	0.810	0.009		
Crown head height	%	14.50	13.57	15.01	1.44		
Crown head height	mm	0.849	0.795	0.879	0.084		
Crown point height	%	13.37	13.37	13.37	0.00		
Crown point height	mm	0.783	0.783	0.783	0.000		
Crown wing height	%	14.14	13.76	14.53	0.76		
Crown wing height	mm	0.828	0.806	0.851	0.045		
Crown mains angle (obsolete)	°	33.54	32.80	34.29	1.49	N/A	VG
Crown nock angle (obsolete)	°	29.55	26.27	32.83	6.56		
Crown other angle (obsolete)	°	35.03	33.04	36.32	3.29		
Crown height	%	14.17	13.46	15.29	1.84	N/A	GD
Crown height	mm	0.830	0.788	0.896	0.107		
Crown height at girdle minima	%	15.06	14.06	16.37	2.31	N/A	
Crown height at girdle minima	mm	0.882	0.823	0.959	0.135		
Pavilion curve angle	°	40.69	40.14	41.30	1.16		
Pavilion head angle	°	38.23	38.21	38.24	0.03		
Pavilion point angle	°	N/A	N/A	N/A	N/A		
Pavilion wing angle	°	33.79	33.70	33.87	0.17		
Pavilion curve height	%	43.89	43.24	44.25	1.01		
Pavilion curve height	mm	2.570	2.532	2.591	0.059		
Pavilion head height	%	43.95	43.65	44.26	0.61		
Pavilion head height	mm	2.574	2.556	2.592	0.036		
Pavilion point height	%	N/A	N/A	N/A	N/A		
Pavilion point height	mm	N/A	N/A	N/A	N/A		
Pavilion wing height	%	44.14	43.80	44.48	0.68		
Pavilion wing height	mm	2.585	2.565	2.605	0.040		
Pavilion mains angle (obsolete)	°	N/A	N/A	N/A	N/A	N/A	PR
Pavilion nock angle (obsolete)	°	N/A	N/A	N/A	N/A		
Pavilion other angle (obsolete)	°	38.35	33.70	41.30	7.60		
Pavilion depth	%	43.97	43.25	44.48	1.23	N/A	VG
Pavilion depth	mm	2.575	2.533	2.605	0.072		
Pavilion depth at girdle minima	%	44.67	43.81	46.23	2.42	N/A	
Pavilion depth at girdle minima	mm	2.616	2.565	2.707	0.142		
Upper girdle facets angle	°	42.81	39.19	46.33	7.14		PR
Upper girdle facets height	%	10.02	9.29	11.33	2.03		
Upper girdle facets height	mm	0.587	0.544	0.663	0.119		
Point upper girdle facets angle	°	N/A	N/A	N/A	N/A		
Wing upper girdle facets angle	°	N/A	N/A	N/A	N/A		
Star facets angle	°	20.42	16.55	23.17	6.62		PR
Star point facets angle	°	N/A	N/A	N/A	N/A		
Star wing facets angle	°	N/A	N/A	N/A	N/A		
Star : Upper ratio	%	56.12 : 43.88	52.50 : 47.50	59.31 : 40.69	6.81		FR

Parameter		Avg	Min	Max	Dev	Cut	Sym
Lower girdle facets angle	°	38.77	30.58	42.64	12.05		PR
Lower girdle facets height	%	37.38	35.91	39.25	3.35		GD
Lower girdle facets height	mm	2.189	2.103	2.299	0.196		
Point lower girdle facets angle	°	N/A	N/A	N/A	N/A		
Wing lower girdle facets angle	°	N/A	N/A	N/A	N/A		
Depth Girdle Facet	%	82.86	80.11	86.97	6.86	N/A	
Length Girdle Facet	%	81.73	78.93	86.40	7.48		
Total height	%	63.18				N/A	
Total height	mm	3.700					
Table	%	61.58	58.18	64.99	6.81	N/A	PR
Table	mm	4.474	3.407	5.541	2.134		
Culet	%	0.84	0.57	1.07	0.50	N/A	EX
Culet	mm	0.049	0.034	0.063	0.029		
Twist	°	12.73	11.28	13.77	2.49		GD
Girdle thickness: Bezel	%	5.33	3.71	6.31	2.61	N/A	FR
Girdle thickness: Bezel	mm	0.312	0.217	0.370	0.153		
Girdle thickness: Bone	%	5.08	4.53	5.45	0.91		VG
Girdle thickness: Bone	mm	0.297	0.266	0.319	0.053		
Girdle thickness: Valley	%	3.57	2.76	4.30	1.55	N/A	GD
Girdle thickness: Valley	mm	0.209	0.162	0.252	0.091		

Detailed parameters

Parameter		1	2	3	4	5	6	7	8
Crown curve angle	°	32.80	34.29						
Crown head angle	°	33.04	32.83	34.95					
Crown point angle	°	26.27	N/A						
Crown wing angle	°	35.80	36.32	N/A	N/A				
Crown curve azimuth	°	1.73	176.91						
Crown head azimuth	°	216.07	274.72	317.75					
Crown point azimuth	°	91.16	N/A						
Crown wing azimuth	°	31.99	146.79	N/A	N/A				
Crown curve height	%	13.83	13.67						
Crown curve height	mm	0.810	0.801						
Crown head height	%	13.57	14.91	15.01					
Crown head height	mm	0.795	0.873	0.879					
Crown point height	%	13.37	N/A						
Crown point height	mm	0.783	N/A						
Crown wing height	%	13.76	14.53	N/A	N/A				
Crown wing height	mm	0.806	0.851	N/A	N/A				
Crown mains angle (obsolete)	°	32.80	34.29						
Crown nock angle (obsolete)	°	26.27	32.83						
Crown other angle (obsolete)	°	35.80	36.32	33.04	34.95	N/A	N/A	N/A	N/A
Crown mains azimuth (obsolete)	°	1.7	176.9						
Crown nock azimuth (obsolete)	°	91.2	274.7						
Crown other azimuth (obsolete)	°	32.0	146.8	216.1	317.8	N/A	N/A	N/A	N/A
Pavilion curve angle	°	41.30	40.72	40.14	40.58				
Pavilion head angle	°	38.24	38.21	N/A					
Pavilion point angle	°	N/A	N/A						
Pavilion wing angle	°	33.87	33.70	N/A	N/A				
Pavilion curve azimuth	°	345.94	18.22	163.78	195.78				
Pavilion head azimuth	°	242.66	292.07	N/A					
Pavilion point azimuth	°	N/A	N/A						
Pavilion wing azimuth	°	47.48	135.51	N/A	N/A				
Pavilion curve height	%	43.24	44.04	44.25	44.03				
Pavilion curve height	mm	2.532	2.579	2.591	2.579				
Pavilion head height	%	44.26	43.65	N/A					
Pavilion head height	mm	2.592	2.556	N/A					
Pavilion point height	%	N/A	N/A						
Pavilion point height	mm	N/A	N/A						
Pavilion wing height	%	44.48	43.80	N/A	N/A				
Pavilion wing height	mm	2.605	2.565	N/A	N/A				
Pavilion mains angle (obsolete)	°	N/A	N/A						
Pavilion nock angle (obsolete)	°	N/A	N/A						
Pavilion other angle (obsolete)	°	40.72	33.87	33.70	40.14	40.58	38.24	38.21	41.30
Pavilion mains azimuth (obsolete)	°	N/A	N/A						
Pavilion nock azimuth (obsolete)	°	N/A	N/A						
Pavilion other azimuth (obsolete)	°	18.2	47.5	135.5	163.8	195.8	242.7	292.1	345.9

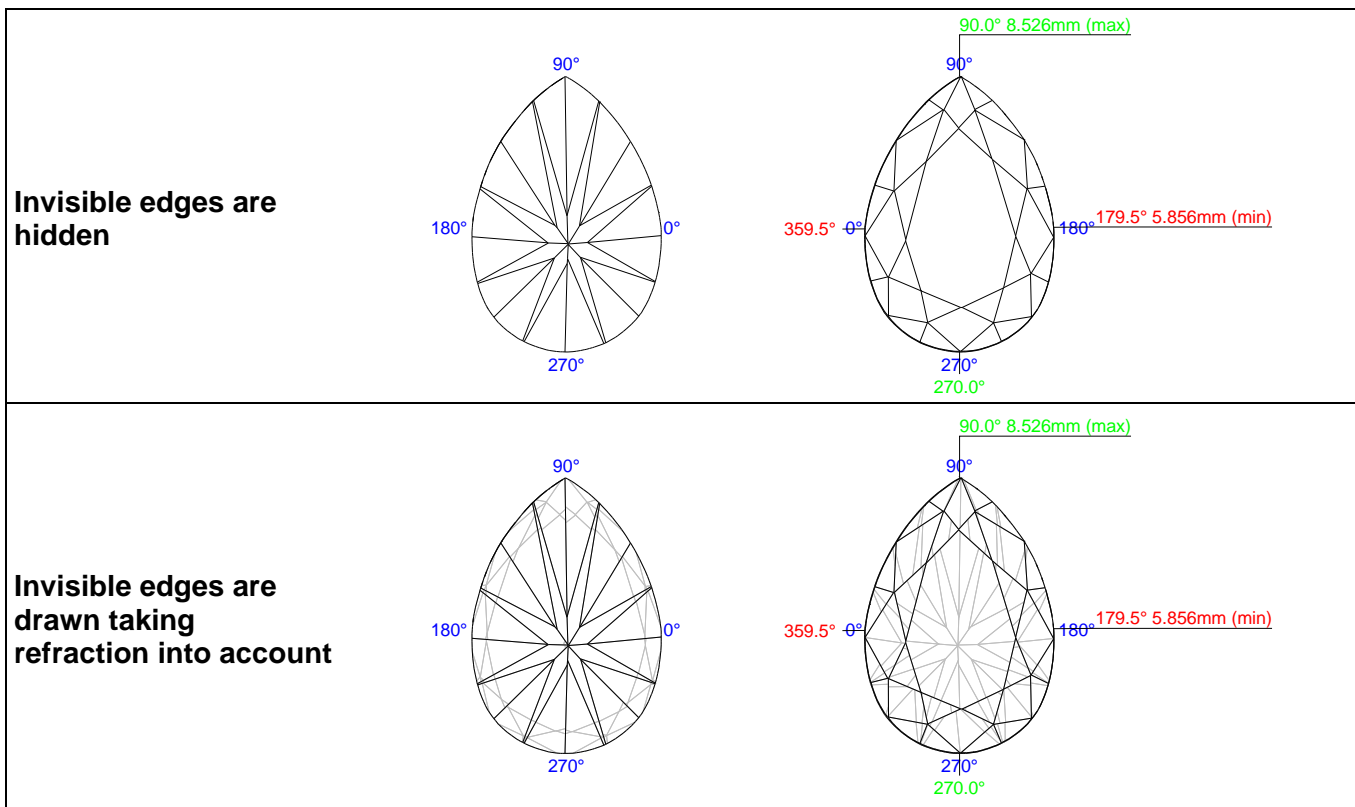
Parameter		1	2	3	4	5	6	7	8
Crown height	%	13.86	13.79	13.46	14.55	13.70	13.79	14.95	15.29
Crown height	mm	0.811	0.808	0.788	0.852	0.803	0.807	0.876	0.896
Crown height at girdle minima	%	14.75	14.44	14.48	14.06	14.38	14.92	15.11	14.79
		14.68	14.87	14.77	15.65	15.89	16.26	16.37	15.48
Crown height at girdle minima	mm	0.863	0.846	0.848	0.823	0.842	0.874	0.885	0.866
		0.860	0.871	0.865	0.916	0.931	0.952	0.959	0.907
Pavilion depth	%	43.25	44.06	44.48	43.80	44.25	44.03	44.26	43.65
Pavilion depth	mm	2.533	2.580	2.605	2.565	2.591	2.579	2.592	2.556
Pavilion depth at girdle minima	%	44.64	44.46	44.65	46.23	46.08	44.27	44.73	44.84
		44.60	44.86	44.97	44.42	43.82	44.22	43.81	44.17
Pavilion depth at girdle minima	mm	2.614	2.604	2.615	2.707	2.698	2.592	2.619	2.626
		2.612	2.627	2.633	2.601	2.566	2.590	2.565	2.586
Upper girdle facets angle	°	41.60	41.75	42.64	44.20	43.82	41.94	44.17	42.76
		43.63	42.07	42.60	42.14	39.19	40.47	46.33	45.68
Upper girdle facets height	%	10.12	9.94	9.50	9.29	9.41	10.12	9.91	9.69
		9.83	10.17	10.46	11.33	9.83	10.09	10.82	9.76
Upper girdle facets height	mm	0.593	0.582	0.556	0.544	0.551	0.592	0.580	0.568
		0.576	0.595	0.613	0.663	0.576	0.591	0.634	0.571
Upper girdle facets azimuth	°	10.7	26.0	37.6	54.1	129.5	141.9	154.4	169.9
		187.7	204.7	230.9	259.7	283.2	310.2	333.2	349.8
Point upper girdle facets angle	°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wing upper girdle facets angle	°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Point upper girdle facets azimuth	°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wing upper girdle facets azimuth	°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Star facets angle	°	19.44	20.84	20.31	21.02	21.09	16.55	23.17	20.97
Star : Upper ratio	%	52.50 : 47.50	56.92 : 43.08	56.21 : 43.79	57.52 : 42.48	54.74 : 45.26	56.76 : 43.24	54.97 : 45.03	59.31 : 40.69
Star facets azimuth	°	14.8	44.5	132.3	163.1	193.2	244.7	292.7	342.9
Star point facets angle	°	N/A	N/A	N/A	N/A				
Star wing facets angle	°	N/A	N/A	N/A	N/A				
Star point facets azimuth	°	N/A	N/A	N/A	N/A				
Star wing facets azimuth	°	N/A	N/A	N/A	N/A				
Lower girdle facets angle	°	42.21	40.28	36.38	31.60	30.58	35.81	39.69	41.32
		41.80	40.77	39.39	38.45	38.32	39.77	41.36	42.64
Lower girdle facets height	%	36.39	37.14	37.56	39.24	39.25	37.85	37.07	36.35
		36.37	37.29	37.51	37.31	38.56	37.20	37.15	35.91
Lower girdle facets height	mm	2.131	2.175	2.199	2.298	2.299	2.217	2.171	2.129
		2.130	2.184	2.197	2.185	2.258	2.178	2.176	2.103
Lower girdle facets azimuth	°	12.1	24.4	40.4	60.9	116.5	141.4	157.4	168.9
		187.8	205.4	231.6	248.3	288.0	306.1	335.9	353.5
Point lower girdle facets angle	°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wing lower girdle facets angle	°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Point lower girdle facets azimuth	°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wing lower girdle facets azimuth	°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Depth Girdle Facet	%	80.64	82.76	83.30	84.41	84.76	84.89	82.05	80.11
		80.68	82.33	82.59	82.58	86.97	83.11	83.96	80.60
Length Girdle Facet	%	79.41	81.99	82.49	82.90	83.25	83.99	81.31	78.93
		79.51	81.05	81.31	81.95	86.40	81.45	82.34	79.37
Table	%	58.18		64.99					
Table	mm	3.407		5.541					
Twist	°	13.77	11.28	13.13	N/A	N/A	N/A	N/A	N/A
Girdle Bezel	%	5.76	5.71	3.71	4.81	5.82	5.44	6.31	5.07
Girdle Bezel	mm	0.337	0.334	0.217	0.282	0.341	0.318	0.370	0.297
Girdle Bone	%	5.45	5.17	5.20	5.08	5.08	5.22	4.53	4.88
Girdle Bone	mm	0.319	0.303	0.304	0.298	0.297	0.305	0.266	0.286
Girdle Valley	%	3.80	4.30	4.11	3.03	3.50	4.00	3.41	3.57
		3.90	3.46	3.44	3.64	3.54	2.76	3.02	3.57
Girdle Valley	mm	0.223	0.252	0.241	0.177	0.205	0.234	0.200	0.209
		0.228	0.203	0.202	0.213	0.207	0.162	0.177	0.209

Offset		Distance	Width wise	Length wise
Culet-Table offset by table axis	%	9.88 ± 0.33	1.50	9.76
Culet-Table offset by table axis	mm	0.578 ± 0.019	0.088	0.572
Girdle-Culet offset by table axis	%	15.70 ± 0.32	0.77	15.68
Girdle-Culet offset by table axis	mm	0.919 ± 0.019	0.045	0.918
Girdle-Table offset by table axis	%	5.96 ± 0.29	0.73	5.92
Girdle-Table offset by table axis	mm	0.349 ± 0.017	0.043	0.347
Girdle to table-culet line offset	%	8.50		
Girdle to table-culet line offset	mm	0.498		

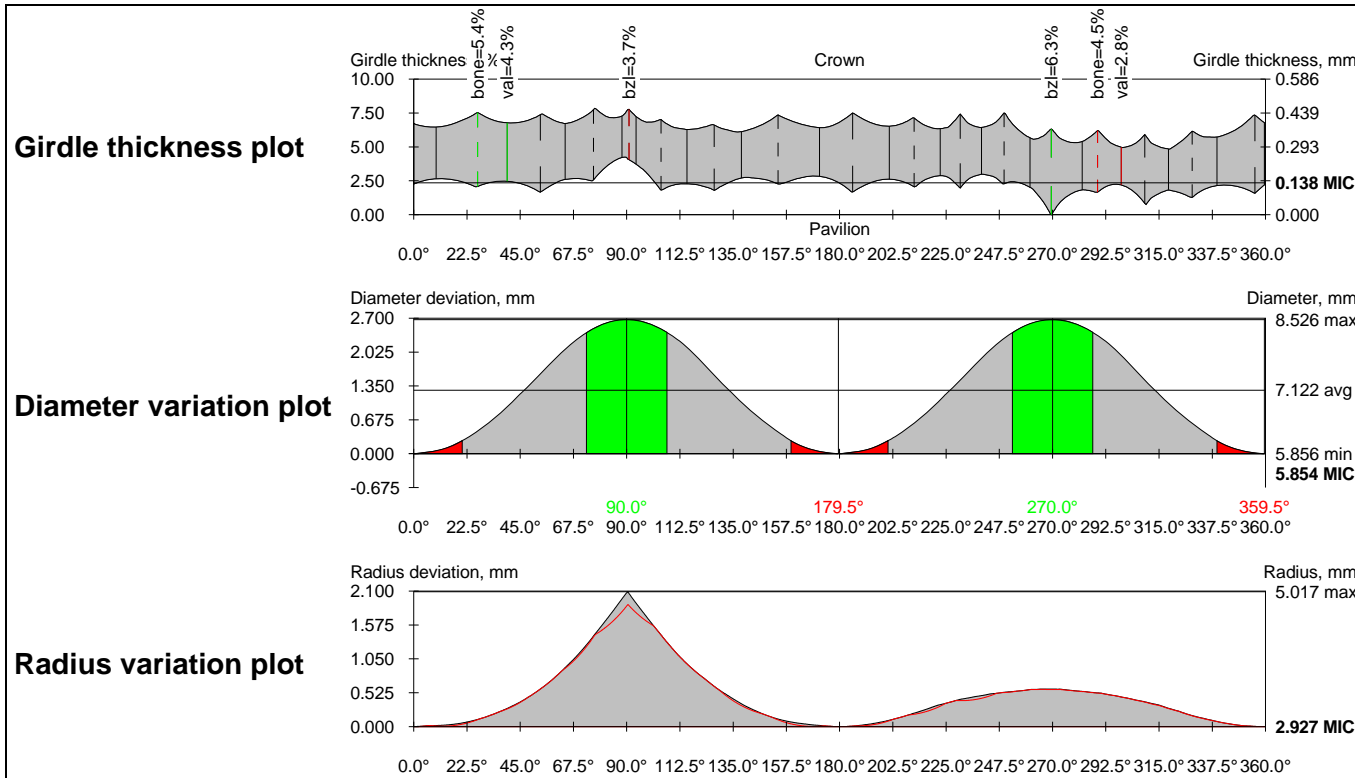
Culet shift ratio by width & length	
Width	5.856 mm, 100%
Width-wise culet shift ratio	2.975 mm, 50.80 % 2.882 mm, 49.21 %
Length	8.526 mm, 100%
Length-wise culet shift ratio	3.345 mm, 39.23 % 5.181 mm, 60.77 %

Culet shift ratio by main diameter	
Main diameter (width)	5.856 mm, (100%)
Width-wise culet shift ratio	2.975 mm, 50.80 % 2.882 mm, 49.21 %
Length-wise culet shift ratio	3.345 mm, 57.11 % 5.181 mm, 88.48 %

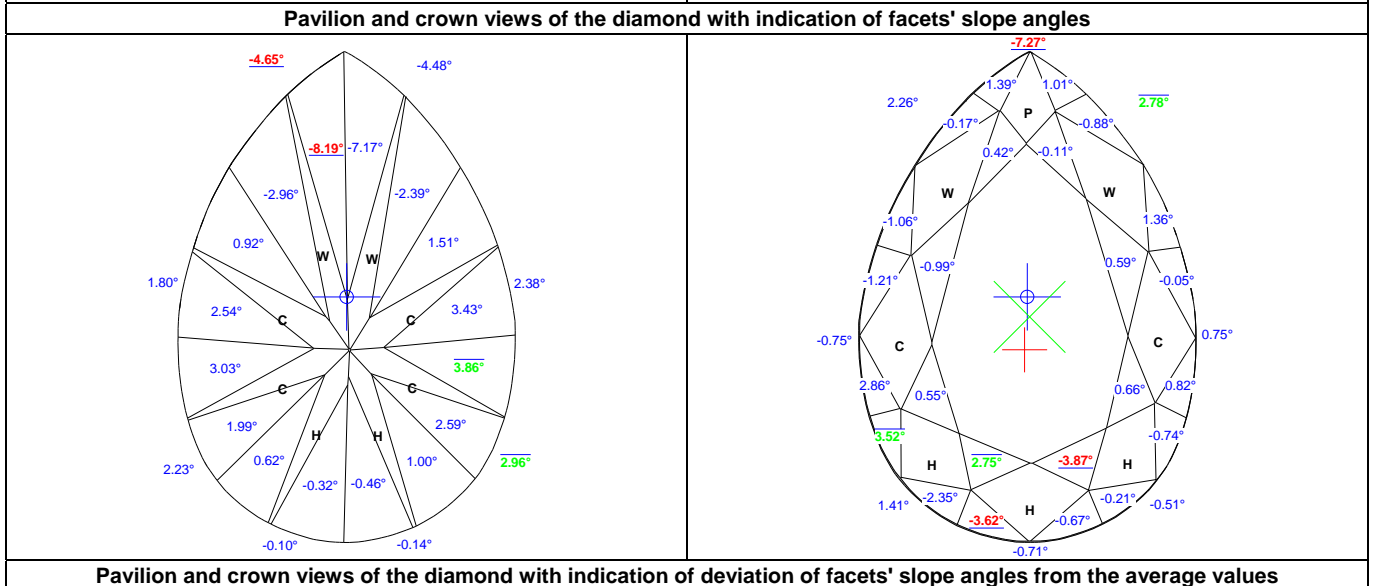
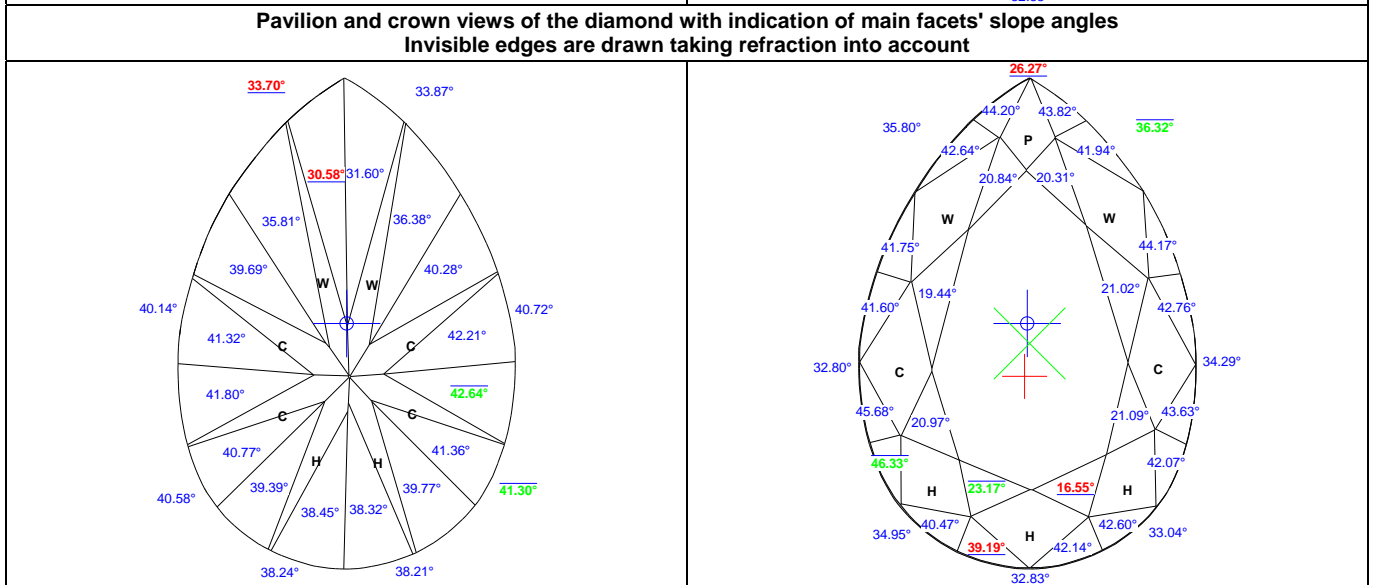
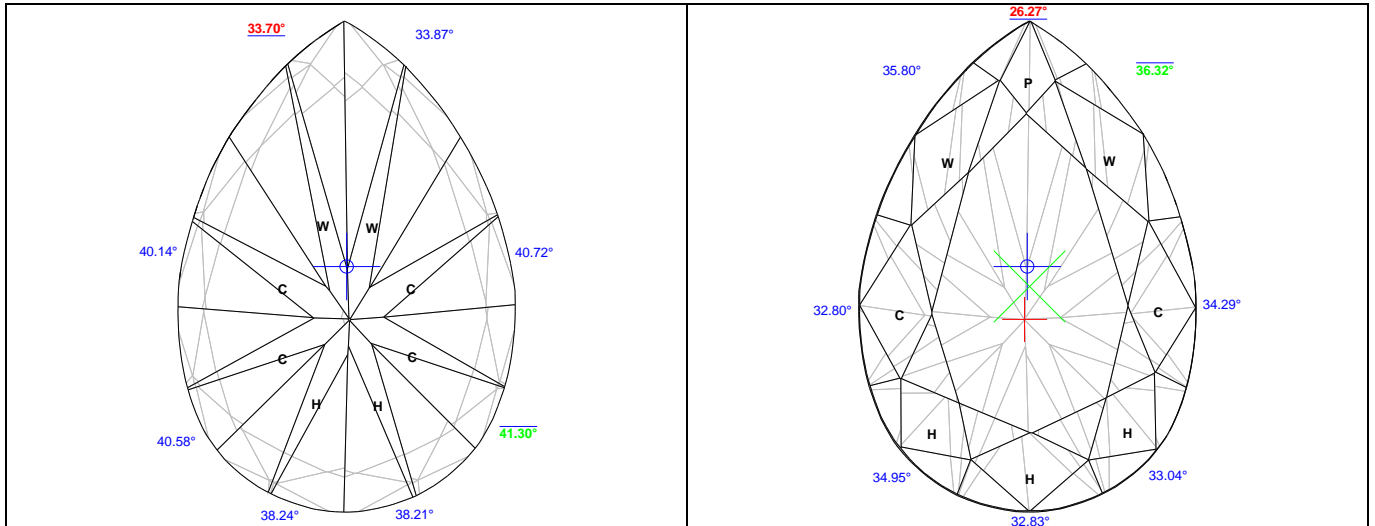
Crown and pavilion views of the diamond with indication of the diameter minimum and maximum

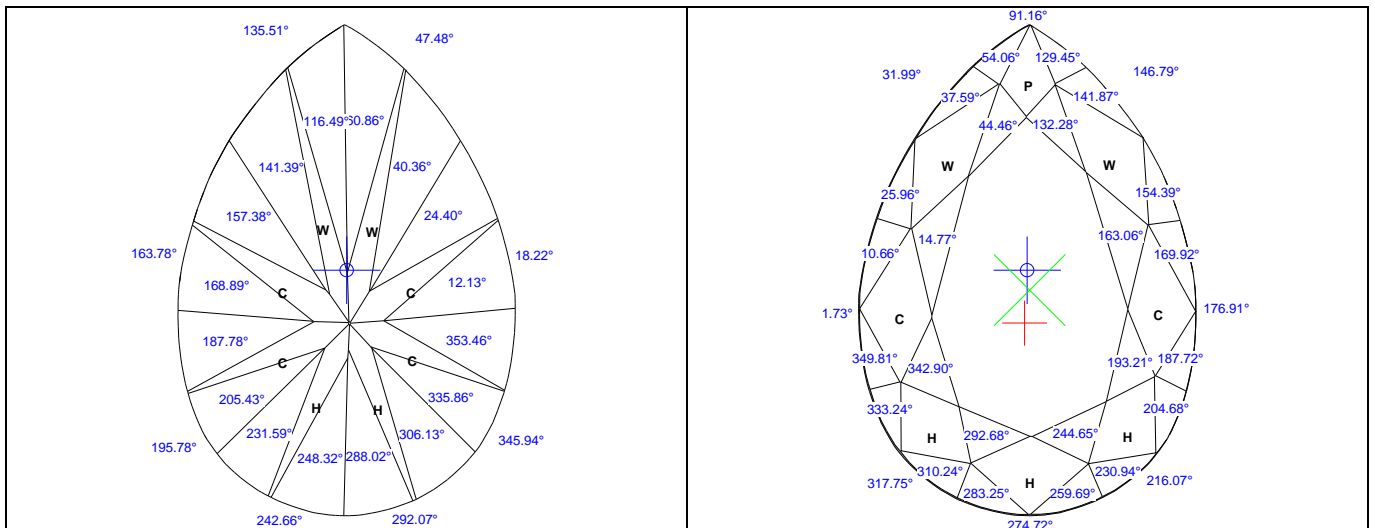


Plots

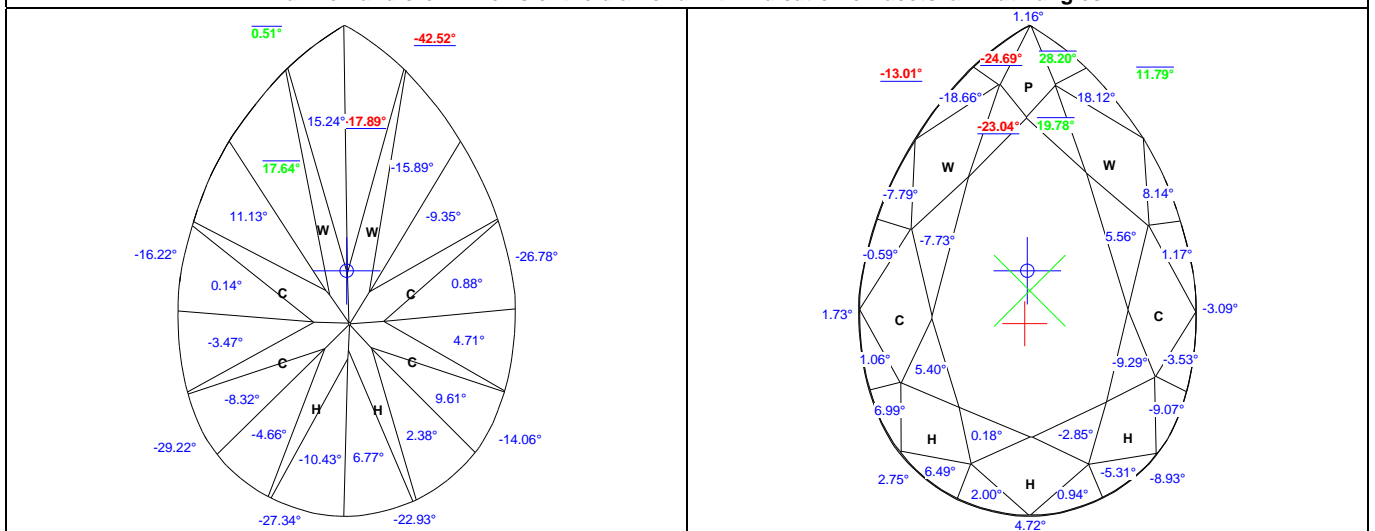


Facets' azimuth and slope angles



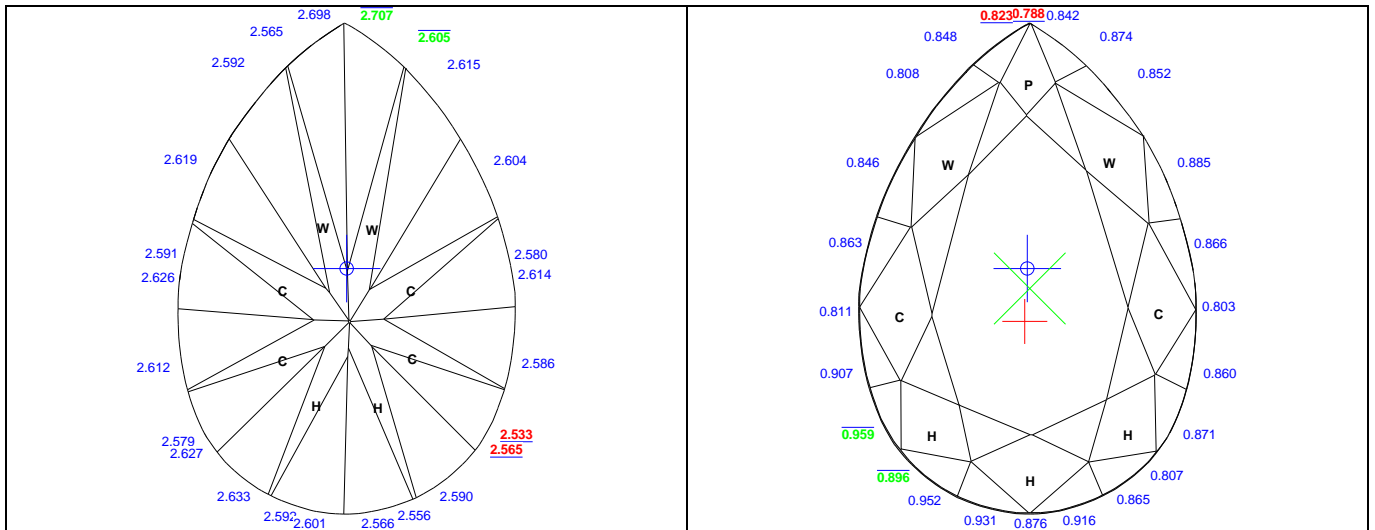


Pavilion and crown views of the diamond with indication of facets' azimuth angles

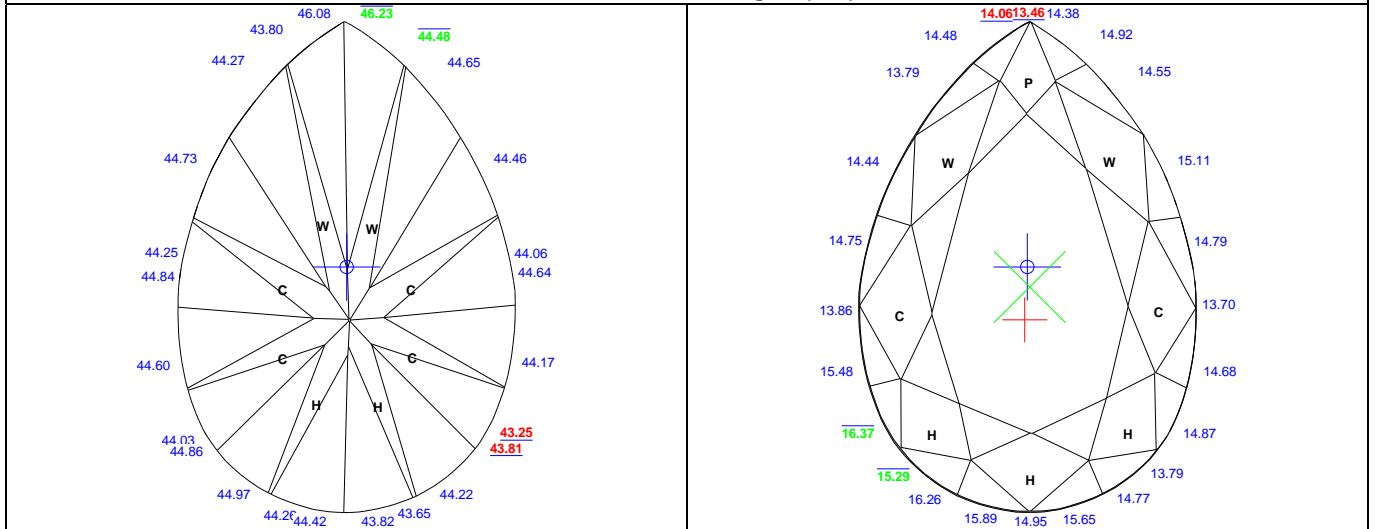


Pavilion and crown views of the diamond with indication of deviation of facets' azimuth angles from their ideal positions for the round brilliant

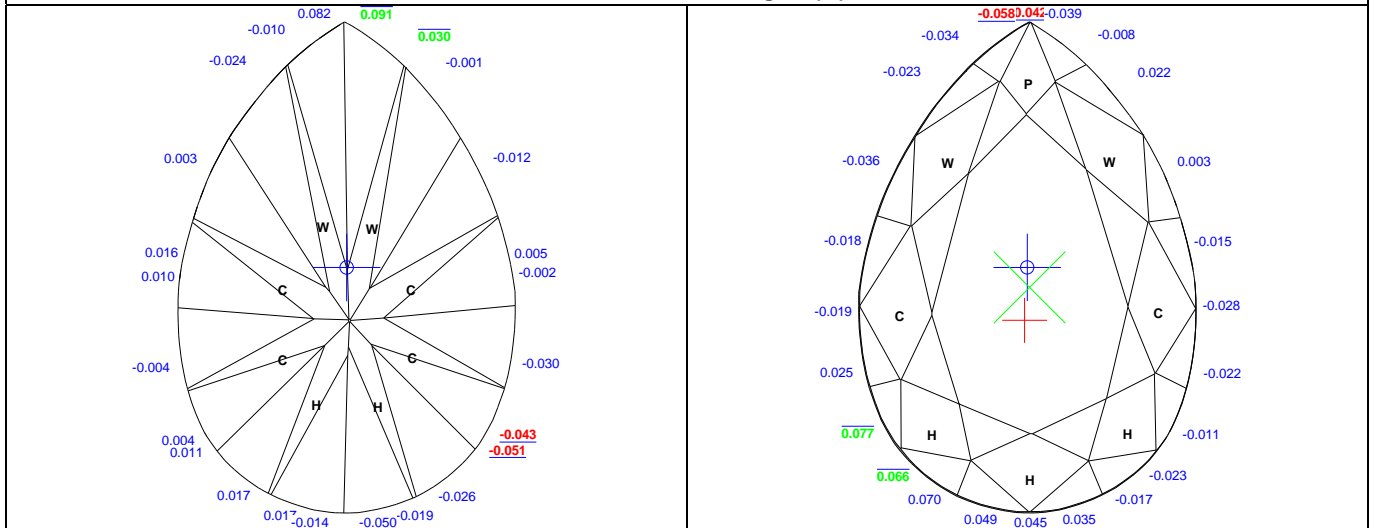
Pavilion and Crown heights



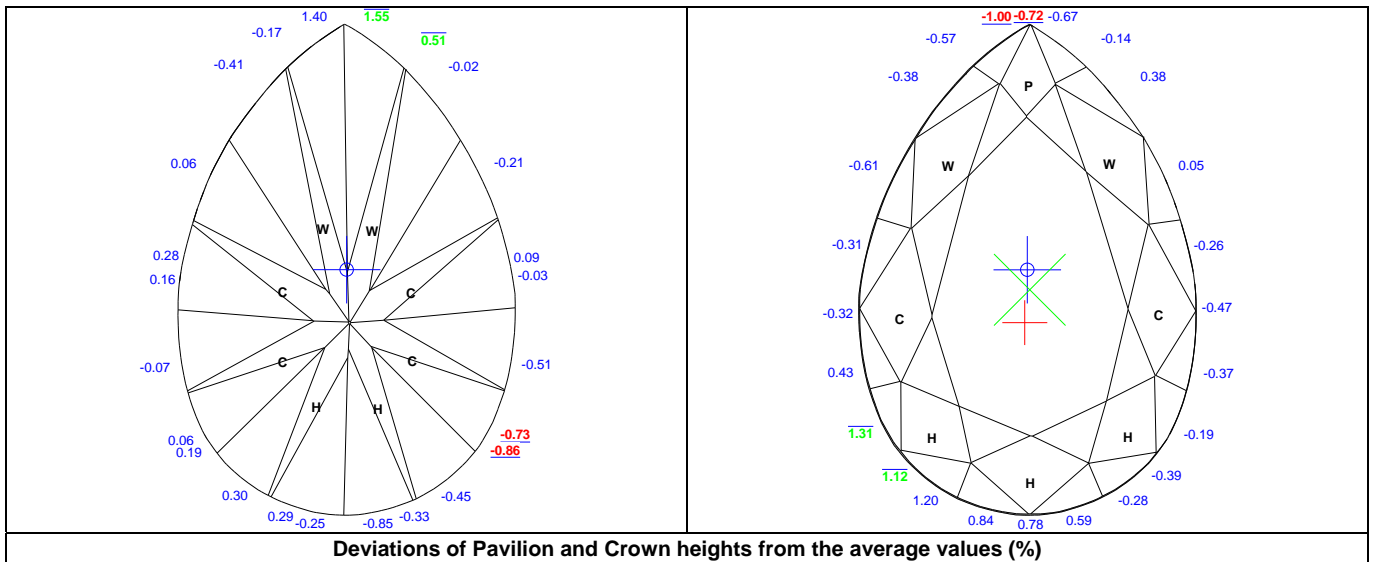
Pavilion and Crown heights (mm)



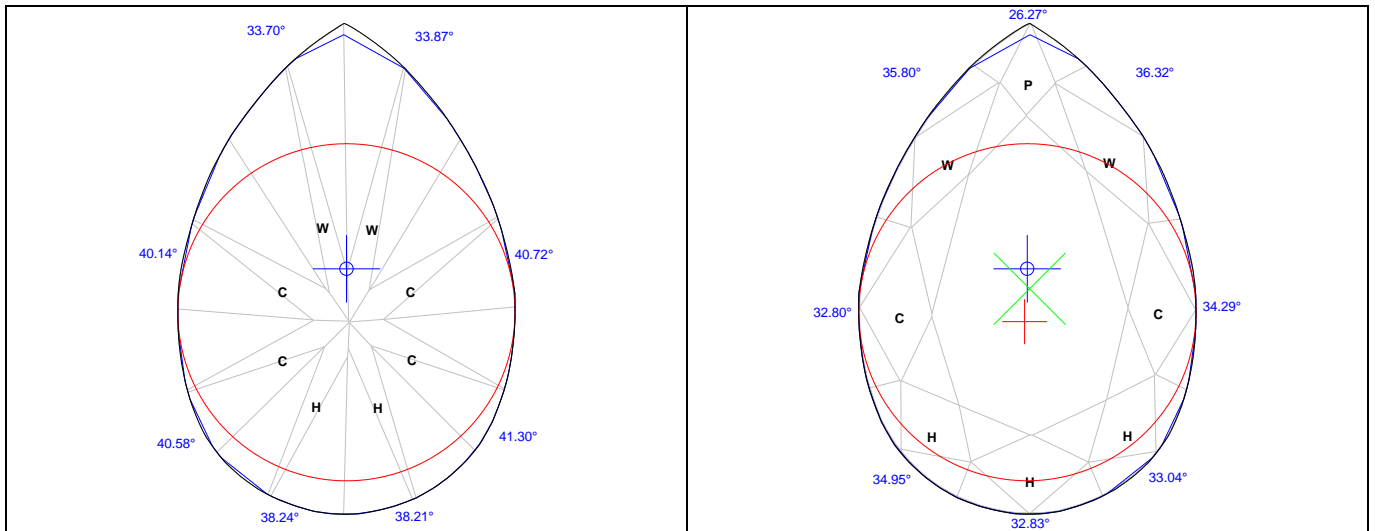
Pavilion and Crown heights (%)



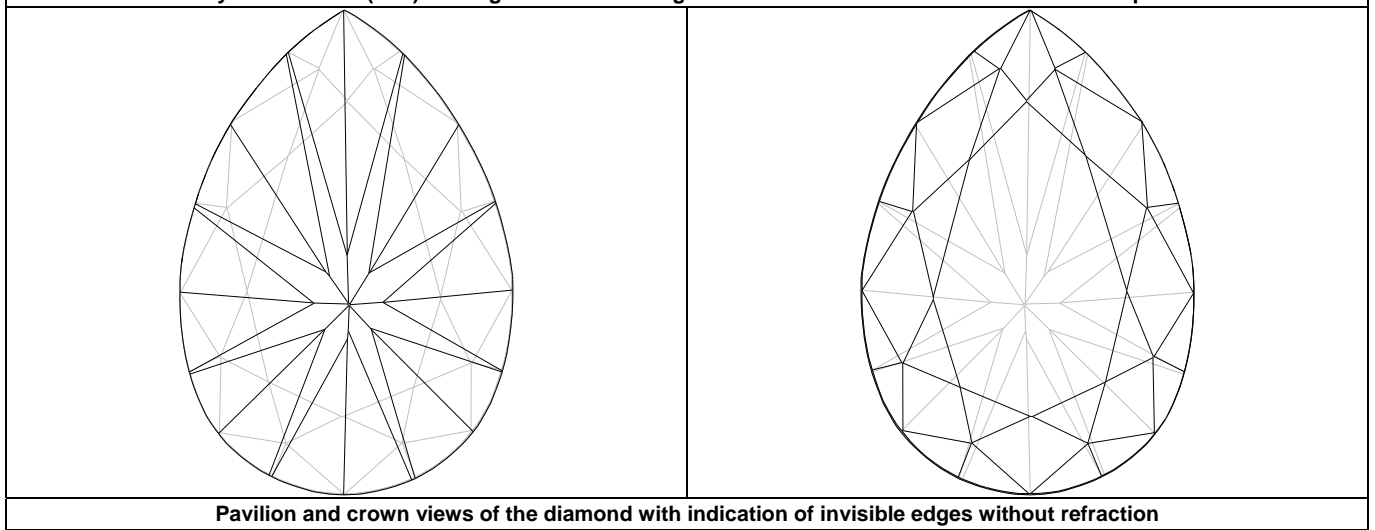
Deviations of Pavilion and Crown heights from the average values (mm)



Additional illustrations



Pavilion and crown views of the diamond with indication of the maximum circle that may be inscribed (MIC) in the girdle outline along with the section of the model in the circle's plane



Pavilion and crown views of the diamond with indication of invisible edges without refraction

	Girdle center		Culet center		Table center
--	---------------	--	--------------	--	--------------