

# 2018-03-29 - HPOxygen Server 4.2.7

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## New parameters for MyOval

The new symmetry parameters (highlighted by blue on below screenshot) for Oval cutting are added for edit and tune of MyOval in Appraiser Editor:

Appraiser Editor

MyOvalPerformanceWare

Selected: 19 of 36

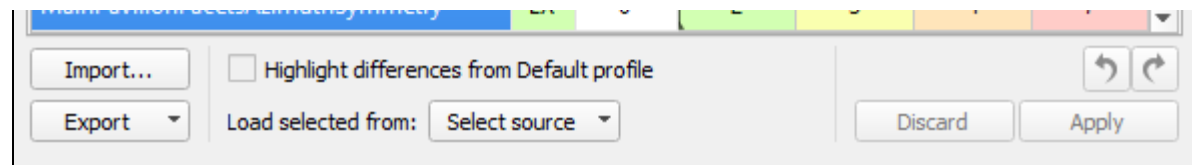
Profile: OvalPW2

Show Presets

Cut

Symmetry

Parameter	Grade	Value	EX ]	VG ]	GD ]	FR ]
CrownAngle	EX	0	1	2	4	7,5
CrownHeight	EX	0.00596	1,5	3	4,5	7,5
CrownHeightValley	EX	0.848	1,5	3	4,5	7,5
StarAngle	EX	0	2	3	4	7,5
StarHeight	EX	0	3	5	8	16
StarLength	EX	0.161	3	5	8	16
PavilionAngle	EX	0	1	2	4	7
PavilionHeight	EX	0.00457	1,5	3	4,5	7,5
PavilionHeightValley	EX	0.496	1,5	3	4,5	7,5
GirdleBezel	EX	0.0105	2	3	4,5	7,5
GirdleBezelLocal	EX	0.0105	1	1,5	2,2	3,7
GirdleValley	EX	1.345	2	3	4,5	7,5
GirdleValleyLocal	EX	0.61	1	1,5	2,2	3,7
GirdleBone	EX	0.014	2	3	4,5	7,5
GirdleBoneLocal	EX	0.00702	1	1,5	2,2	3,7
JunctionBezelTwistMax	EX	0	1	2	3	20
JunctionBoneTwistMax	EX	0	1	2	3	20
JunctionStarTwistMax	EX	10.059	15	25	35	45
CrownHeightCorrelation	EX	0.0233	1,5	3	4,5	7,5
PavilionHeightCorrelation	EX	0.0233	1,5	3	4,5	7,5
TableOffset	EX	0	0,5	1	2	4
LowerGirdleDepth	EX	0	2	8	16	32
LowerGirdleLength	EX	0.404	3	5	8	16
LowerGirdleLengthLocal	EX	0.314	1,5	2,5	4	8
CuletOffsetWidthWise	EX	0	0,5	1	2	3
CuletOffsetLengthWise	EX	0	0,5	1	2	3
TablePointsAxialSymmetry	EX	0	1	2	4	7
StarPointsAxialSymmetry	EX	0	1	2	4	7
PavilionPointsAxialSymmetry	EX	0	1	2	4	7
StarFacetsAzimuthSymmetry	EX	0	2	3	4	7
MainCrownFacetsAzimuthSymmetry	EX	0	2	3	4	7
UpperGirdleFacetsAzimuthSymmetry	EX	0	2	3	4	7
LowerGirdleFacetsAzimuthSymmetry	EX	0	2	3	4	7
MainPavilionFacetsAzimuthSymmetry	EX	0	2	3	4	7

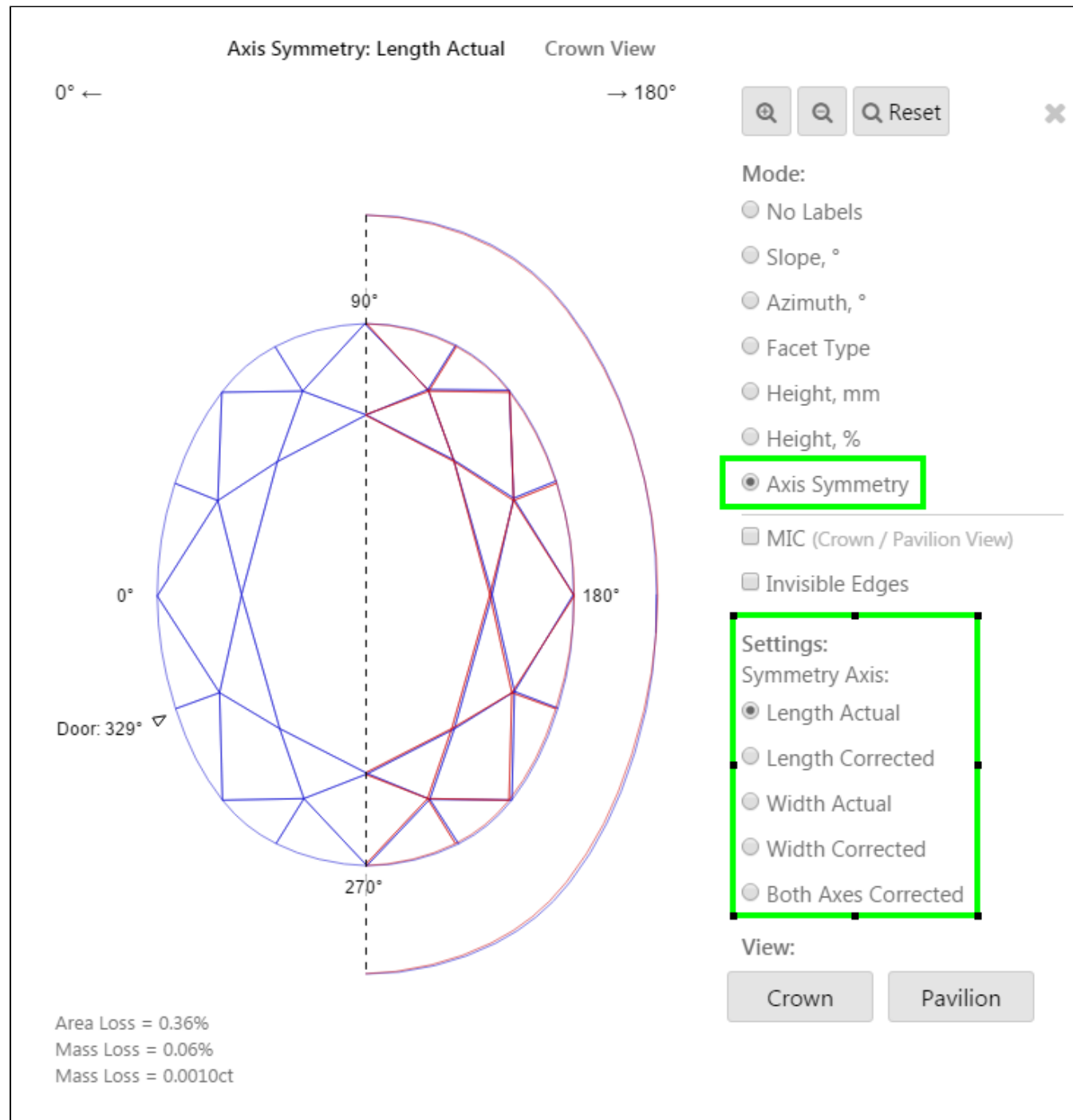


To edit quality group limits for new parameters select **MyOvalPlus|MyOvalPerformanceWare** or **MyOvalOpt|MyOval** appraiser.

Default limits are set according out analysis of Oval diamonds. These limits help to get symmetrical solutions with high optical performance.

## Axis symmetry in I3D Mini View





















































































































































Picture of axis symmetry is added to I3D Mini View:



## Redesign of context menu Plans&Scans

Context menu in Plans&Scans solution list was redesigned to make it more concise:



Solution	<div>Label of 'solution 11'</div> <div>          </div> <div>          </div> <div>Model Color of 'solution 11'</div> <div>          </div> <div>           </div> <div>Clarity precision</div> <div> <input checked="" type="radio"/> Draft           <input type="radio"/> Precise       </div> <div>Duplicate</div> <div>Create copy of 11</div> <div>Delete</div> <div>Delete solution 11</div> <div>Optical Symmetry</div> <div>✓ Calculate Optical Symmetry</div> <div>Brightness</div> <div>✓ Calculate Bitmap Brightness</div> <div>Export Model</div> <div>Export Model...</div> <div>Next Step Plans</div> <div>Generate...</div> <div>Allocation Tools</div> <div>Fit to rough (Run Balloon)</div> <div>Bound Swim (Vary Param)</div> <div>Bound Swim (Fixed Cut)</div> <div>Bound Swim (Fixed Table and Cut)</div>	<div>Label of 'Plan 1':</div> <div>          </div> <div>          </div> <div>Model color of 'Plan 1':</div> <div>          </div> <div>           </div> <div>Create copy of 'Plan 1'</div> <div>Delete 'Plan 1'...</div> <div>Export model of 'Plan 1'...</div> <div>Processing 'Plan 1'</div> <div>Clarity precision: <input type="radio"/> <input checked="" type="radio"/> Draft <input type="radio"/> <input type="radio"/> Precise</div> <div>Generate Next Step Plans...</div> <div>Allocation</div> <div>Fit to rough (Run Balloon)</div> <div>Bound Swim (Vary Param)</div> <div>Bound Swim (Fixed Cut)</div> <div>Bound Swim (Fixed Table and Cut)</div> <div>View options</div> <div>✓ Calculate Optical Symmetry</div> <div>✓ Calculate Bitmap Brightness</div>
Selection of several solutions	<div>Label of 'solution 9'</div> <div>          </div> <div>          </div> <div>Model Color of 'solution 9'</div> <div>          </div> <div>           </div> <div>Delete</div> <div>Delete 3 items...</div> <div>Optical Symmetry</div> <div>✓ Calculate Optical Symmetry</div> <div>Brightness</div> <div>✓ Calculate Bitmap Brightness</div>	<div>Label of 'Plan 5':</div> <div>          </div> <div>          </div> <div>Model color of 'Plan 5':</div> <div>          </div> <div>           </div> <div>Delete 3 items...</div> <div>View options</div> <div>✓ Calculate Optical Symmetry</div> <div>✓ Calculate Bitmap Brightness</div>

