

# Video | Allocation - Solutions diversity by Cut, Grade and Clarity

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<div>Video summary:</div> <div><ul style="list-style-type: none"><li>Global allocation algorithms prioritize finding the most price-effective solution based on a given price list. The value of a particular diamond to a company depends on various factors beyond its carat price alone.</li><li>We offer users the ability to customize modern algorithms for obtaining more diverse solutions in terms of cut, grade, and clarity. So users can access more choices and improve decision-making.</li><li>If you set Cut Diversity to N%, after finding best solution, the algorithms initiate searches for solutions with a price higher than [Best_Solution_Price * (100% - N%)] for each diamond cut. Consequently, for each cut, a solution will be obtained if it differs from the best solution by less than N%. The same principle applies to Grade and Clarity Diversity as well.</li><li>Default values are cut diversity at 20%, grade diversity at 10%, and clarity diversity at 5%</li><li>Attention. The default settings of Diversity levels slow down the algorithm by approximately two times when working with 10 cuts. It is not recommended to use values above 30%.</li></ul></div>				
Video keywords: Seamless technological pipeline, preplan, Recognition, intermediate iteration, plan, accumulated data, model-matching technology, technological stages, Sawing, Table Polishing, Blocking, Galahad Preplan, Sawing Preplan, Carbon Viewer.				
Data	<div>Stone 115-03M-2540010.ox2z</div> <div>469b00f3-a2c7-11ed-8c3b-fc3497b84f60.ox2z</div>			
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	Documentation	NA		
	Playlists	NA		
	Also	<a href="#">As Separate Page</a>   <a href="#">On YouTube</a>   Specification		