

Profile Bounding Box Advanced Tool User Manual

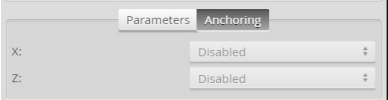
1. General introduction

The Bounding Box tool provides measurements related to the smallest box that contains the profile (for example, X position, Z position, width, etc.).

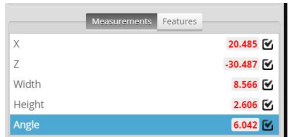
2. Parameters

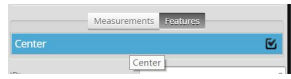
Use Region	If not chosen, all points will be used to determine the bounding box. Otherwise, only points in Region1 will be involved	
Region1	The region to which the tool's measurements will apply	
Rotated	A bounding box can be vertical or rotated. A vertical bounding box provides the absolute position from which the part's Position centroid measurements are referenced. Check the Rotated setting to select rotated bounding box.	

3. Anchor

X,Z	Lets you choose the X, or Z measurement of another tool to use as a positional anchor for this tool.	
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4. Measurements and Features

Measurements	X	Determines the X position of the center of the bounding box that contains the part.	
	Z	Determines the Z position of the center of the bounding box that contains the part.	

	Width	Determines the width of the bounding box that contains the part.	
	Height	Determines the height of the bounding box that contains the part.	
	Angle	Determines the rotation around the Y axis and the angle of the longer side of the bounding box relative to the X axis.	
Features	Center	The center point of the bounding box	

5. Application Example