

Dynamic Block Parametric Constraints — GstarCAD 2027

4862 kbadmin September 25, 2026 [What's New](#) 0 9

Dynamic Block Parametric Constraints

[GstarCAD 2027](#) · [Whats New](#)

What's new in GstarCAD 2027 > Dynamic Block Parametric Constraints

Apply constraint parameters to selected objects or convert dimensional constraints into parametric constraints. In the Block Editor, use the BCPARAMETER command to apply constraint parameters to an object or between constraint points on objects.

Add the following parametric constraint-related commands:

1 [BCPARAMETER](#)

Applies constraint parameters to selected objects, or converts dimensional constraints to parameter constraints.

2 [Linear](#)

Creates a horizontal or vertical constraint parameter based on the locations of the extension line origins and the location of the dimension line.

3 [Horizontal](#)

Constrains the X distance of a line or between two points on different objects. Valid objects include lines and polyline segments.

4 [Vertical](#)

Constrains the Y distance of a line or between two points on different objects. Valid objects include lines and polyline segments.

5 [Aligned](#)

Constrains the length of a line or the distance between two lines, a point on an object and a line, or two points on different objects.

6 [Angular](#)

Constrains the angle between two lines or polyline segments. It is similar to an angular dimension.

7 [Radius](#)

Creates a radial constraint parameter for a circle, arc, or polyline arc segment.

8 [Diameter](#)

Creates a diameter constraint parameter for a circle, arc, or polyline arc segment.

9 [Convert](#)

Converts the dimensional constraints to constraint parameters.

10 [BCONSTRUCTION](#)

Converts block geometry into construction geometry, which may be hidden or displayed.

11 [Block Editor Settings](#)

A new Constraint Status feature has been added.

12 [Parameters Manager \(Block Editor\)](#)

In the Block Editor, the Parameter Manager displays a consolidated view of all parameters and user-defined properties within the block definition.

Added parametric constraint related system variables:

1 [BCONSTATUSMODE](#)

Turns the constraint display status on and off and control the shading of objects based on their constraint level.

Online URL: <https://www.kb2.gstarcad.com.my/article.php?id=4862>