**Torchmate CAD 8.1 HOTKEYS**

**Polyarc Editing Hot Keys**

In addition to the **Node Palette**, the following keyboard hot keys are available when editing polyarc objects:

* **(A) Add node** -Create node at current cursor location.
* **(R) Remove** -Delete selected node.
* **(L) Locate origin** -Set grid origin to selected node.
* **(G) Grid dimensions** -Set the grid size as the distance between the selected node and the grid origin.
* **(S) Snap to intersection** -Move selected node to nearest grid intersection.
* **(H) Snap to horizontal grid line** -Move selected node to nearest horizontal grid line.
* **(V) Snap to vertical grid line** -Move selected node to nearest vertical grid line.
* **(J) Join** -Join two nodes with a connecting line.
* **(B) Break** -Break contour at selected node.
* **[F3]** -Select all nodes.
* **[ALT + F3]** -Inverse selects all nodes.
* **(U) Alternate Select** -Select every other node of currently selected nodes.
* **(T) Toggle start point** -Set start point for routing or engraving this object.

### Polygon Editing Hot Keys

In addition to the **Node Palette**, the following keyboard hot keys are available when editing polygon objects:

* (A) Add node - Create a node at the current cursor location.
* (C) Change node - Cycle the type of the selected node. The type will cycle through Corner, Curve, and Tangent type nodes.
* (R) Remove - Delete the selected node.
* (L) Locate origin - Set the grid origin to correspond to the selected node.
* (G) Grid dimensions - Resize the grid increments based on the distance between the selected node and the grid origin.
* (S) Snap to intersection - Move the selected node to the nearest grid intersection.
* (H) Snap to horizontal grid line - Move the selected node to the nearest horizontal grid line.
* (V) Snap to vertical grid line - Move the selected node to the nearest vertical grid line.
* (J) Join - Join the two selected nodes with a connecting line.
* (B) Break - Break the contour at the selected node.
* (D) Deselect - Clear the current node selection.
* (O) Create perfect circle - Based on existing nodes, transform an oval contour into a perfect circle. If necessary, nodes will be added to complete the circle.
* (T) Toggle start point - Set the start point at which routing or engraving this contour will begin.
* (K) (K)lick - Select the node under the mouse cursor.

## Functions Keys

The function keys operate as follows:

|  |  |
| --- | --- |
| **[F1]** | Help |
| **[F2]** | Disable all Shop Palette colors except the current target colors |
| **[F3]** | Select all objects |
| **[F4]** | Refresh the workspace |
| **[F5]** | Activate the Zoom In tool |
| **[F6]** | Zoom out |
| **[Shift+F6]** | Zoom in |
| **[F7]** | Zoom to selected object |
| **[F8]** | Zoom to Material Blank |
| **[F9]** | Toggle between current and previous zoom levels |
| **[F10]** | Select the menu bar |
| **[F11]** | Pan workspace toward current mouse position |

## Align Selected Shapes

To align selected shapes quickly, use the following hot keys:

|  |  |
| --- | --- |
| **[Alt + 1] or L** | Align shapes along **left** edge of bounds |
| **[Alt + 2] or C** | Center shapes **vertically** |
| **[Alt + 3] or R** | Align shapes along **right** edge of bounds |
| **[Alt + 4] or T** | Align shapes along **top** edge of bounds |
| **[Alt + 5] or E** | Center shapes **horizontally** |
| **[Alt + 6] or B** | Align shapes along **bottom** edge of bounds |
| **[Alt + 7]** | Center shapes both **horizontally and vertically** |

**Generic Hot Keys**

These **Hot Keys** have general application on the workspace:

|  |  |
| --- | --- |
| **[Arrow key]** | Nudge selected object by one pixel |
| **[Shift+arrow key]** | Nudge selected object by five pixels |
| **[Tab]** | Change current focus to next object in sequence |
| **[Shift+Tab]** | Change current focus to previous object in sequence |
| **[Ctrl+Select tool]** | Move/Draw/Edit/Select with horizontal and vertical constraint |

**File Menu Hot Keys**

These **Hot Keys** enable access to the various **File** menu options:

|  |  |
| --- | --- |
| **[Ctrl+N]** | New workspace |
| **[Ctrl+O]** | Open workspace |
| **[Ctrl+S]** | Save workspace |
| **[Ctrl+P]** | Print workspace objects |

**Edit Menu Hot Keys**

These **Hot Keys** enable access to the various **Edit** menu options:

|  |  |
| --- | --- |
| **[Ctrl+Z]** | Undo last command |
| **[Ctrl+Y]** | Redo last command |
| **[Ctrl+R]** | Repeat last command |
| **[Ctrl+X]** | Cut selected object |
| **[Ctrl+C]** | Copy selected object |
| **[Ctrl+V]** | Paste object |
| **[Del]** | Delete selected object |
| **[Ctrl+D]** | Duplicate selected object |
| **[Ctrl+T]** | Edit selected text |
| **[Ctrl+E]** | Edit selected object |
| **[Ctrl+I]** | Edit font of selected text |
| **[F3] or [Ctrl+A]** | Select all objects on workspace |
| **[Shift+F3]** | Deselect all objects |
| **[Alt+F3]** | Inverse the selection of objects |
| **[F4] or [Alt+D]** | Refresh the workspace display |

**Layout Menu Hot Keys**

These **Hot Keys** enable quick access to the **Layout** menu options:

|  |  |
| --- | --- |
| **[Alt+K]** | Activate the Alignment feature |
| **[Ctrl+K]** | Apply the current Alignment dialog settings |
| **[Ctrl+G]** | Group the selected objects |
| **[Alt+G]** | Ungroup the selected objects |

**Arrange Menu Hot Keys**

These **Hot Keys** enable quick access to the **Arrange** menu options:

|  |  |
| --- | --- |
| **[Ctrl+F]** | Move the selected object to the top layer |
| **[Ctrl+B]** | Move the selected object to bottom-most layer |
| **[Ctrl+U]** | Move the selected object up by one layer |
| **[Ctrl+L]** | Move the selected object down by one layer |
| **[Ctrl+M]** | Reverse the layer order of the selected objects |
| **[Ctrl+H]** | Create a common path from the selected objects |
| **[Ctrl+J]** | Reverse the common path that had been applied to a group of selected objects |
| **[Alt+B]** | Convert the selected text to graphic objects |
| **[Shift+F2]** | Simplify the selected object |
| **[Alt+C]** | Clip to top-most object |
| **[Alt+U]** | Clear object clipping |

**Machine Menu Hot Keys**

The **Machine** menu has a single **Hot Key**:

|  |  |
| --- | --- |
| **[Alt+P]** | Open the Cut Preview plotting controls |

**View Menu Hot Keys**

These **Hot Keys** enable quick access to the **View** menu options:

|  |  |
| --- | --- |
| **[Alt+S]** | Toggle the display of object fills |
| **[Alt+M]** | Toggle the display of bitmaps |
| **[Alt+N]** | Toggle the display of line style |
| **[Alt+J]** | Toggle the display of tool paths |
| **[Alt+R]** | Toggle the display of the ruler |
| **[Alt+I]** | Toggle the display of the InstantReplay window |

**Options Menu Hot Keys**

The following provides **Hot Key** access to the **Options** menu:

|  |  |
| --- | --- |
| **[Ctrl+W]** | Snap to grid |
| **[Alt+W]** | Use guides |
|  |  |