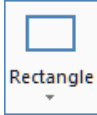


Block for Boat

A. Create Rectangle.

Step 1. If necessary start a new Mastercam file, click **New**  (Ctrl-N) on the Quick Access Toolbar QAT.

Step 2. On the Wireframe tab **WIREFRAME** click **Rectangle**



Step 3. In the Rectangle function panel:
under Dimensions, **Fig. 1**

Width 3

Height 9

and press ENTER

Press **O** key to select AutoCursor Origin
override, **Fig 2**

Click OK .

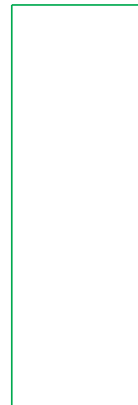
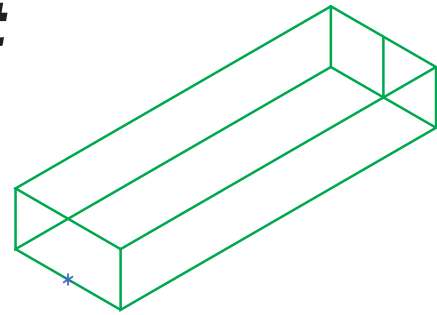


Fig. 2

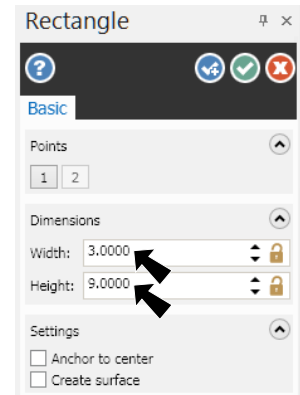
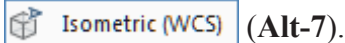


Fig. 1

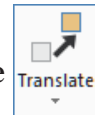
B. Transform 3D Block.

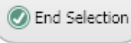
Step 1. Change to the Isometric View. **Right click** in the graphics window and click



Isometric (WCS) (Alt-7).

Step 2. On the Transform tab **TRANSFORM** click **Translate**



Step 3. **Shift click** a line of rectangle to chain select rectangle and click **End Selection**  (ENTER) **Fig. 3.**

Step 4. In Translate dialog box set:

Select **Join**  **Fig. 4**

ΔZ -1.5

Click OK .

**Shift click
to chain
rectangle**

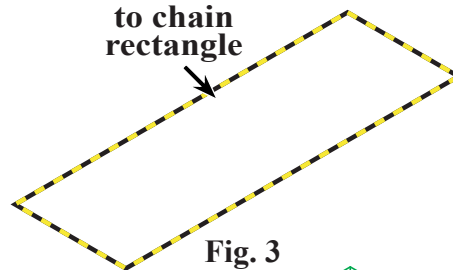


Fig. 3

Step 5. **Right click** the graphics window and click **Fit**  (Alt-F1).

Step 6. **Right click** the graphics window and click **Clear Colors**

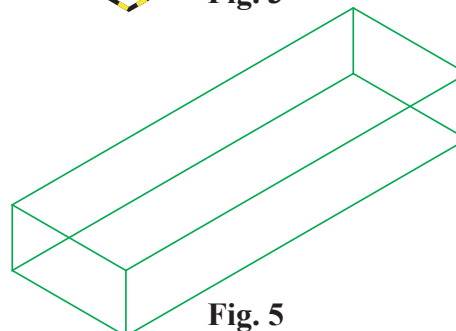


Fig. 5

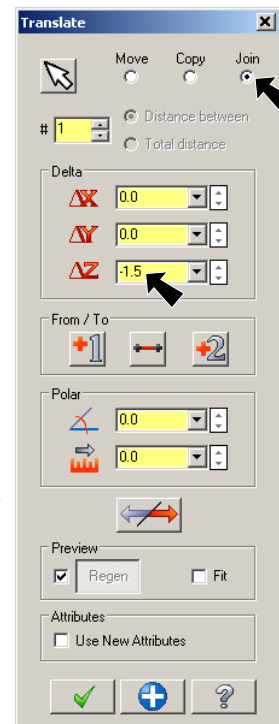


Fig. 4

C. Save As “BOAT BLOCK”

Step 1. Click **Save As**  (Ctrl-Shift-S) on the Quick Access Toolbar QAT.

Step 2. Key-in **BOAT BLOCK** for the filename and press ENTER.

D. Draw Vertical Rear Centerline.

Step 1. On the Wireframe tab **WIREFRAME** click **Line**



Step 2. Sketch vertical line at midpoint of rear lines, **Fig. 6**. AutoCursor will display midpoint icon  when at midpoint. Or you can use the M key for midpoint AutoCursor override. Click OK  when done.

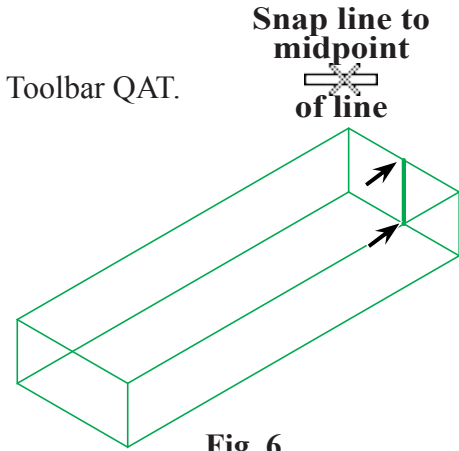


Fig. 6

E. Set Up Levels.

Step 1. Display Levels Manager. Use **Alt-Z**.

Step 2. In the Name Field and key-in **BLOCK**, **Fig. 7**.

Step 3. Click Add New Level  in the Levels Manager toolbar, **Fig. 8**.

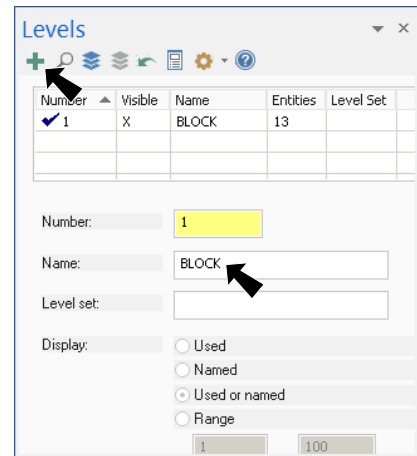


Fig. 7

Step 4. Press **Tab** key to move to the Name Field and key-in **GEOMETRY**.

F. Create Point.

Step 1. Sketch point **blue**. **Right click** in the graphics window

and on the Mini Toolbar click **Wireframe Color**  drop down arrow and select **blue**, **Fig. 9**.

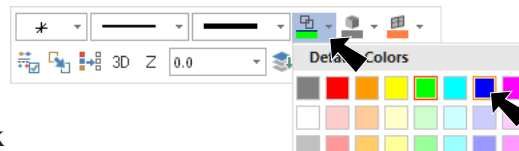


Fig. 9

Step 2. On the Wireframe tab **WIREFRAME** click **Point Position**



Step 3. Sketch Point on **bottom front line** of block. AutoCursor will detect the midpoint , **Fig. 10**. Click OK  when done.

Step 4. Save  (Ctrl-S).

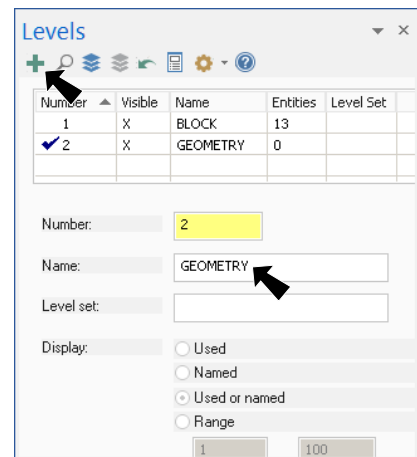


Fig. 8

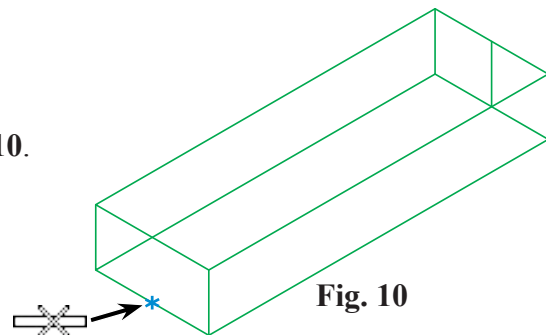


Fig. 10