













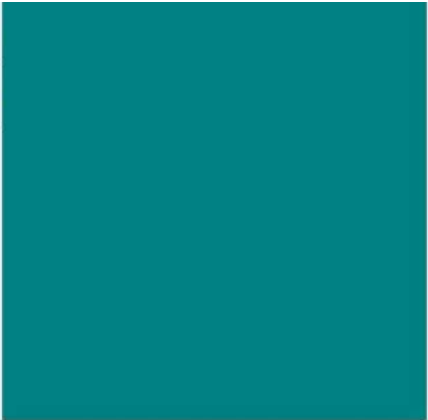
MyCNC Lib

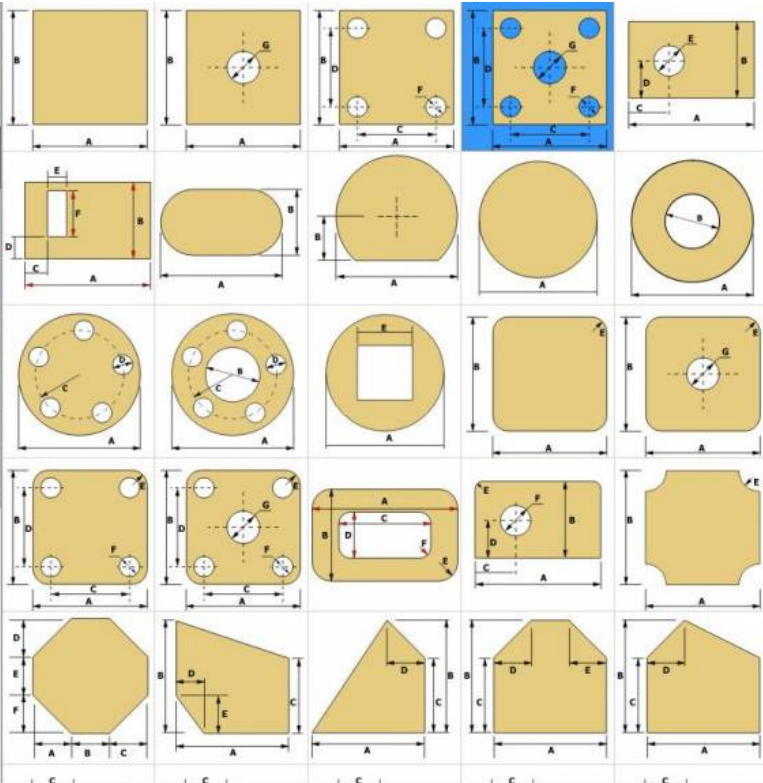
Library of ready-made standard elements for cutting



















































	Go to the main program window
	Confirm the selection of an item from the list for further editing and execution
	moving the list of library parts upwards
	moving through the list of library details down

An example of the parameters of the selected part.



Parameter

Value

Shape 004

Shape dimension

External contour

(A)Length

300 mm

(B)Width

200 mm

Lead-in and Lead-out

Lead-in length

8 mm

Lead-out length

15 mm

Center hole

(G)Center diameter

100 mm

Lead-in and Lead-out

Bolt holes

(C)X size

200 mm

(D)Y size

100 mm

(F)Bolt holes diameter

40 mm

Lead-in and Lead-out

Outline

Kerf (Tool diameter)

3 mm

Shapes number

4

Shapes number in a row

2

Distance between shapes

20 mm

Shapes number in a row

0 %

Shapes number in a row

0 %

Tech

Work Mode

Cutting

Cutting procedure

M3/M5-mill

HeightZ




10 mm

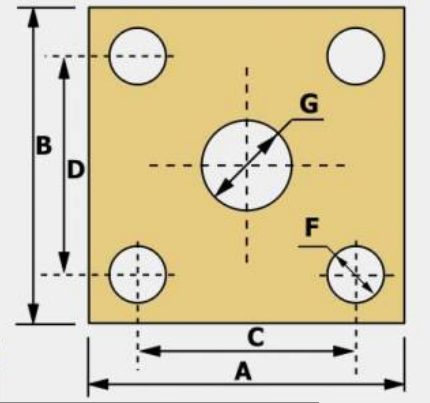
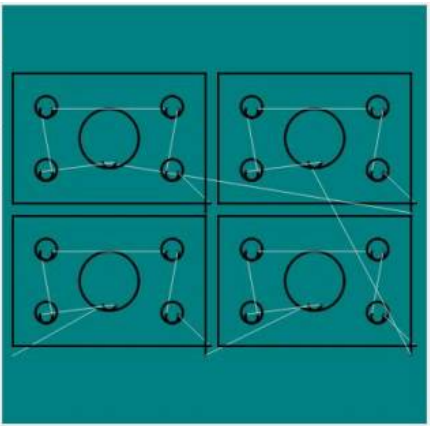
StepZ








0.7 mm








WorkZ

-8 mm







	Go to the main program window
	Return to the list of library details
	Saving the edited part parameters
	moving the list of library parts upwards
	Editing the selected parameter
	moving through the list of library details down
	loading the library element into the main window, to perform the cutting of the part

Example of editing the selected parameter.

http://cnc42.com/

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Parameter

- Shape dimension
 - External contour
 - (A)Length: 300 mm
 - (B)Width: 200 mm
 - Lead-in and Lead-out
- Center hole
 - (G)Center diameter: 0 mm
- Lead-in and Lead-out
 - Lead-in/out radius: mm
 - Lead-in length: mm
 - Lead-out length: mm
- Bolt holes
 - (C)X size: 0 mm
 - (D)Y size: 0 mm
 - (F)Bolt holes diameter: mm
- Lead-in and Lead-out
 - Lead-in/out radius: mm
 - Lead-in length: mm
 - Lead-out length: mm
- Outline
 - Kerf (Tool diameter)
 - Shapes number
 - Shapes number in a row
 - Distance between shape
 - Shapes number in a row
 - Shapes number in a row
- Tech
 - Work Mode: Cutting
 - Cutting procedure: M3/M5-mill
 - Height: 10 mm

(A)Length, mm {1...2000}

300

7	8	9	C
4	5	6	+
1	2	3	-
0	.		

✖
✔

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 - (G)Center diameter: 0 mm
- Lead-in and Lead-out
 - Lead-in/out radius: mm
 - Lead-in length: mm
 - Lead-out length: mm
- Bolt holes
 - (C)X size: 0 mm
 - (D)Y size: 0 mm
 - (F)Bolt holes diameter: mm
- Lead-in and Lead-out
 - Lead-in/out radius: mm
 - Lead-in length: mm
 - Lead-out length: mm
- Outline
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(A)Length, mm {1...2000}

300

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4	5	6	+
1			

Loading a detail in the main program window.

The screenshot displays the THC (Tool Head Control) software interface. The main workspace shows a 2x2 grid of tool paths, each consisting of a central circle and four corner points connected by lines. The interface includes a top toolbar with icons for file operations, tool selection, and machine status. The bottom status bar shows the current program name 'lib-shape-004.nc', machine status 'MCC: Idle', and various control buttons like 'Jog over speed', 'Speed, mm/min', 'Over Speed', 'Arc Ref, V', 'Arc Voltage, V', and 'THC Speed'. The right side of the interface features a large digital readout (DRO) display showing coordinates (139.24, 702.39, 14.71, 522.29, 0.00, 0.00) and a series of control buttons for axis movement and speed adjustments.

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