

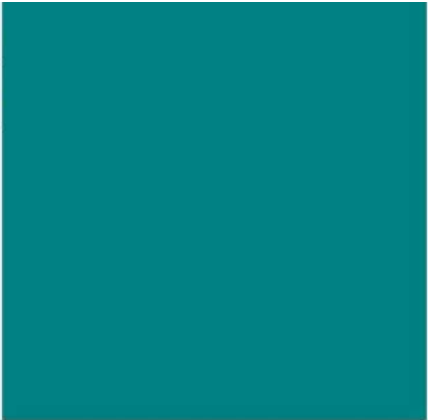
MyCNC Lib

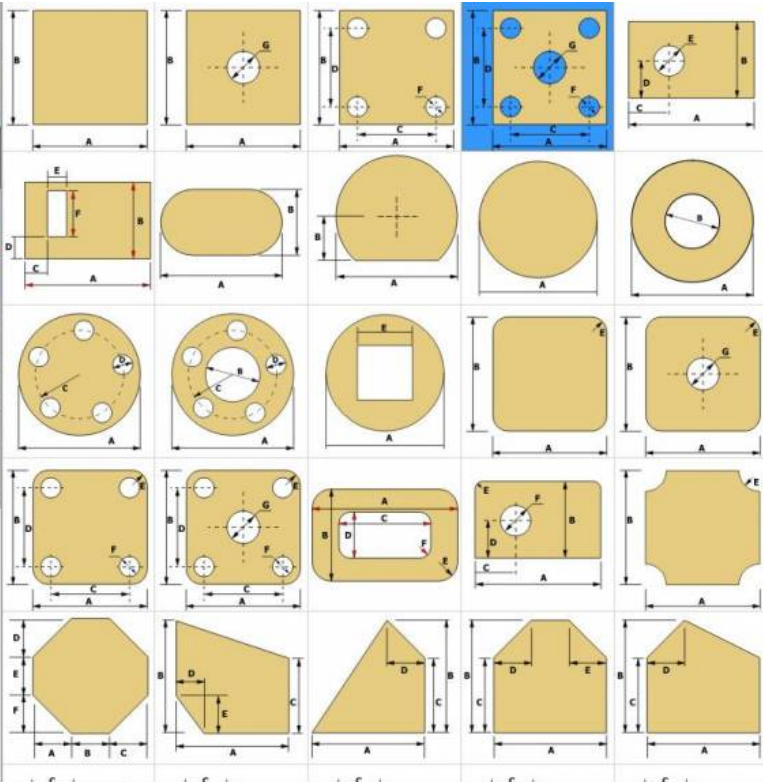
Library of ready-made standard elements for cutting











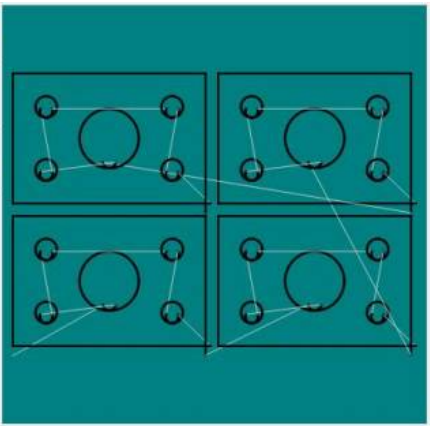
	Go to the main program window
	Confirm the selection of an item from the list for further editing and execution
	moving the list of library parts upwards
	moving through the list of library details down

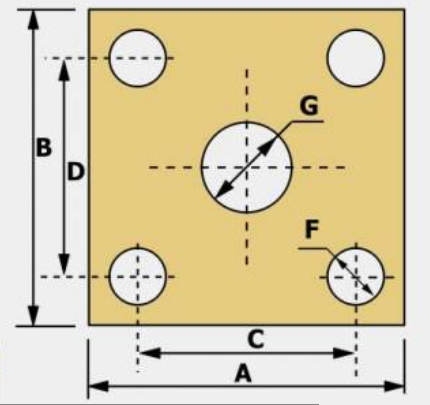
An example of the parameters of the selected part.

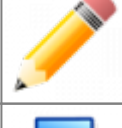


Parameter	Value
Shape 004	
Shape dimension	
External contour	
(A)Length	300 mm
(B)Width	200 mm
Lead-in and Lead-out	
Lead-in length	8 mm
Lead-out length	15 mm
Center hole	
(G)Center diameter	100 mm
Lead-in and Lead-out	
Bolt holes	
(C)X size	200 mm
(D)Y size	100 mm
(F)Bolt holes diameter	40 mm
Lead-in 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://docs.pv-automation.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 300 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	.		

✖
✔

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 300 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	.		

✖
✔

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 300 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	.		

✖
✔

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 300 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
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 - Work Mode Cutting
 - Cutting procedure M3/M5-mill
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(A)Length, mm {1...2000}

300

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4	5	6	+
1	2	3	-
0	.		

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 - 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 300 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
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- Outline
 - Kerf (Tool diameter)
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 - Shapes number in a row
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 - 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	.		

✖
✔

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 300 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

Loading a detail in the main program window.

The screenshot shows the THC software interface. The main workspace displays a 2x2 grid of diagrams, each showing a circular head with internal components and connections. The top toolbar contains icons for file operations (HPGL DXF, Save, Open, Print, etc.) and a 'THC' button. The left sidebar has icons for various tools and functions. The right sidebar shows numerical readouts for speed (139.24, 702.39, 14.71, 522.29, 0.00, 0.00), position (88.88, 0.1, 1.0, SET, infinity), and other parameters (130%, 106%, 210.4, 0.0, 0.0). The bottom status bar displays the current program file 'lib-shape-004.nc' and various system indicators.

From:

<http://docs.pv-automation.com/> - **myCNC Online Documentation**

Permanent link:

http://docs.pv-automation.com/mycnc/mycnc_lib?rev=1527696136

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