

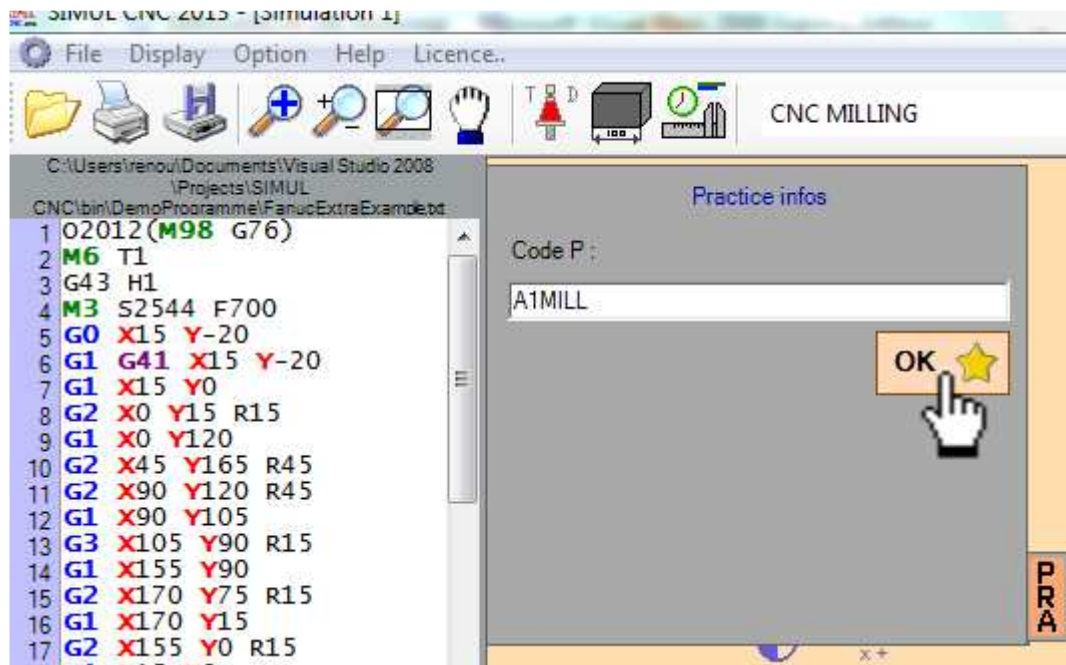
WORKBOOK EXERCISES MILLING 1

Welcome to workbooks [SIMUL CNC](http://www.cnc-pad.com/simul-cnc.php) milling. This book offers a set of exercises to perform alone or in a training session in order to consolidate your knowledge of numerical control milling programming.

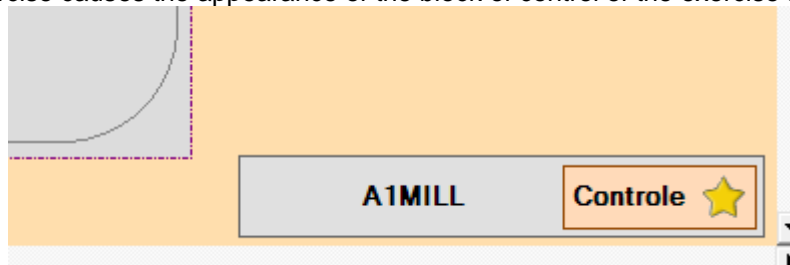
<http://www.cnc-pad.com/simul-cnc.php>

All practical work present in this workbook are integrated into the SIMUL CNC Software with their correction and help so you can at any time open the tab «Previous» in software to enable integrated practical work.

For this enter« **Code** » at the top of each year directly into the software and then press OK.



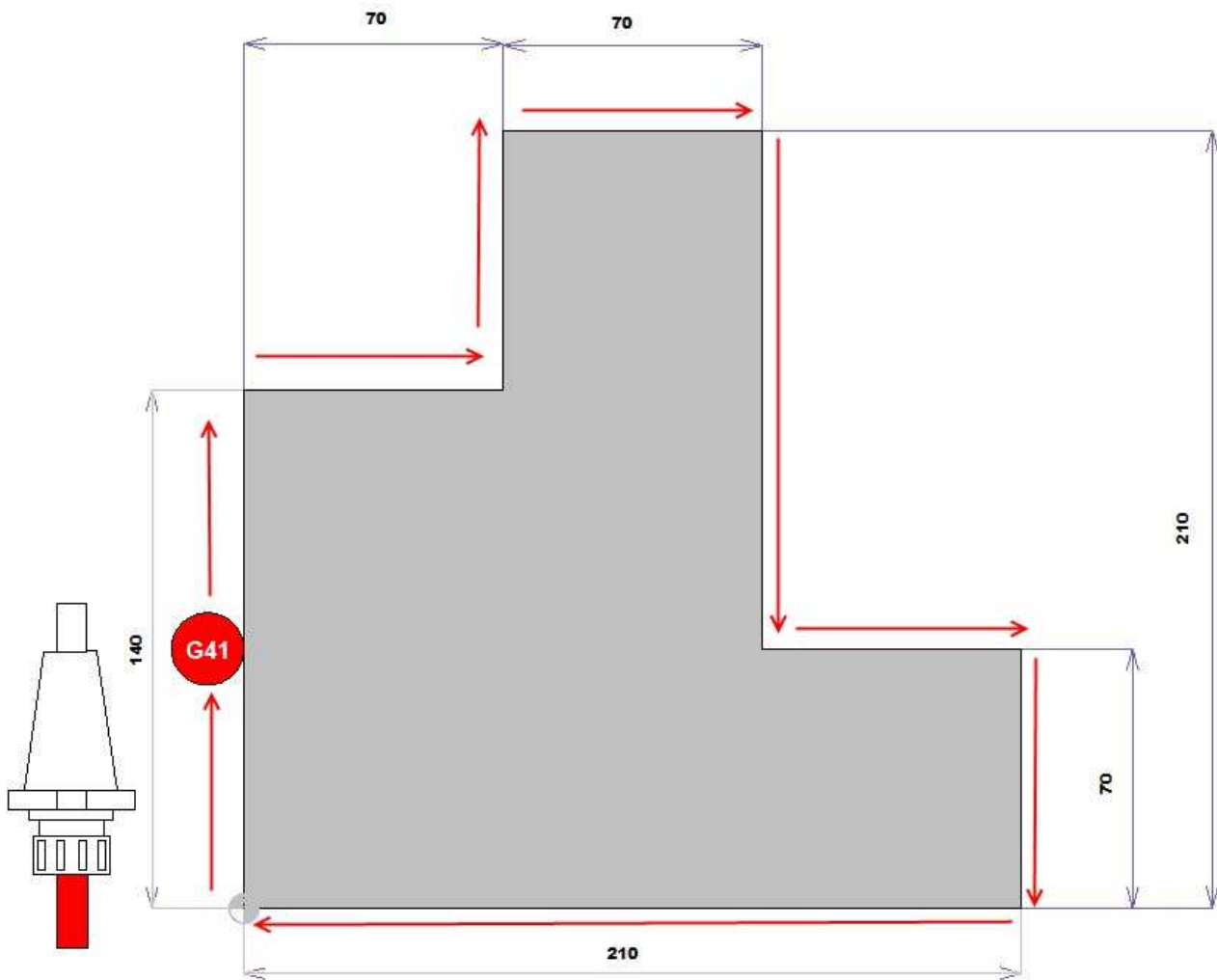
Activation of exercise causes the appearance of the block of control of the exercise at the bottom right:



When you feel that the path and the program is correct: click on the button control for the validation of the trajectory, and error receive help and advice on each exercise.

PRACTICE 1

CODE P : A1MILL



Objectives of the exercise :

- Language : Fanuc
- Make profile and use cutter compensation G41
- Use CNC G90 Absolute Programming
- Use tool T1
- Thickness of the workpiece: Z-20

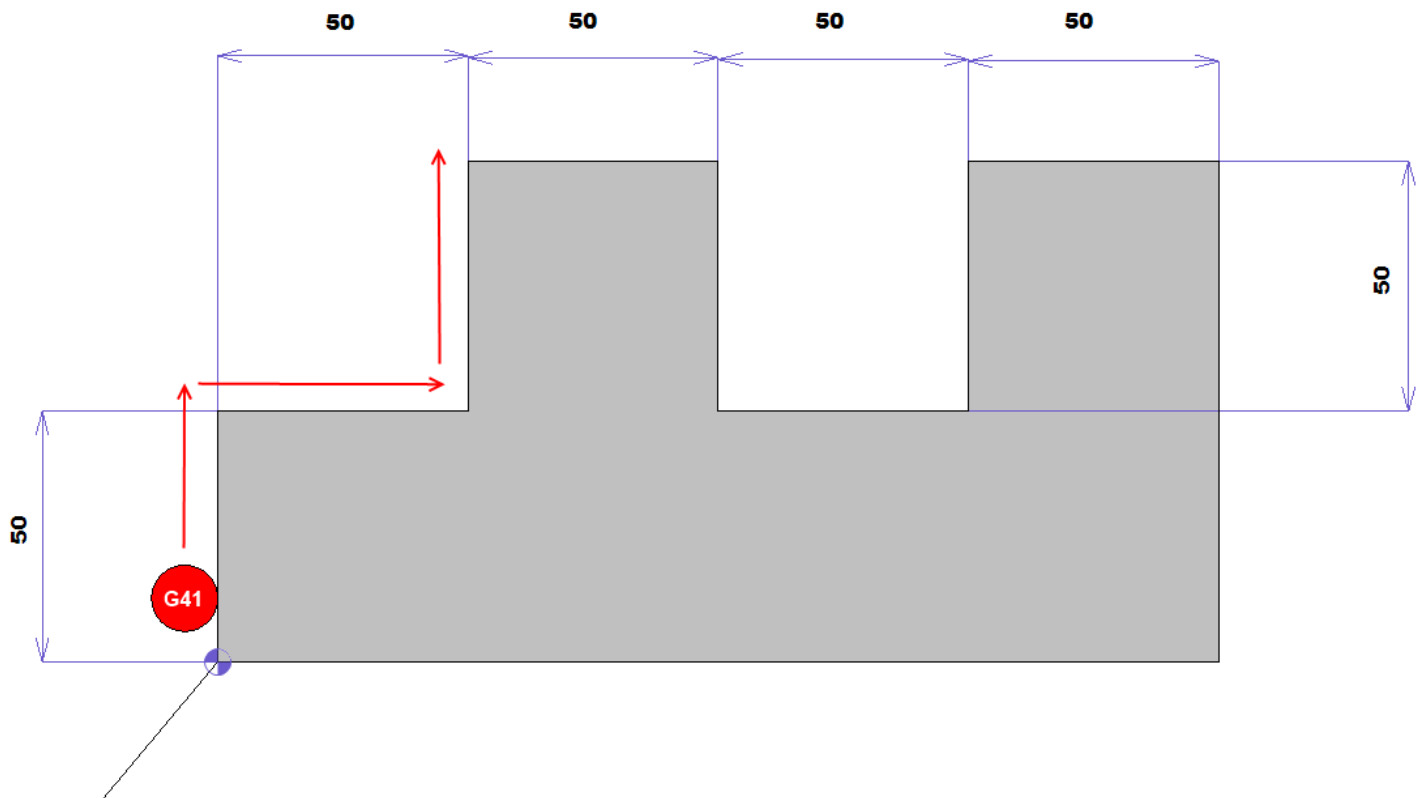
CODE P : A2MILL



- Language : Fanuc
- Make profile and use cutter compensation G41
- Use CNC G90 Absolute Programming
- Use tool T1
- Thickness of the workpiece: Z-20

PRACTICE 3

CODE P : A3MILL



Objectives of the exercise :

- Language : Fanuc
- Make profile and use cutter compensation G41
- Use CNC G91 Relative Programming
- Use tool T1
- Thickness of the workpiece: Z-20

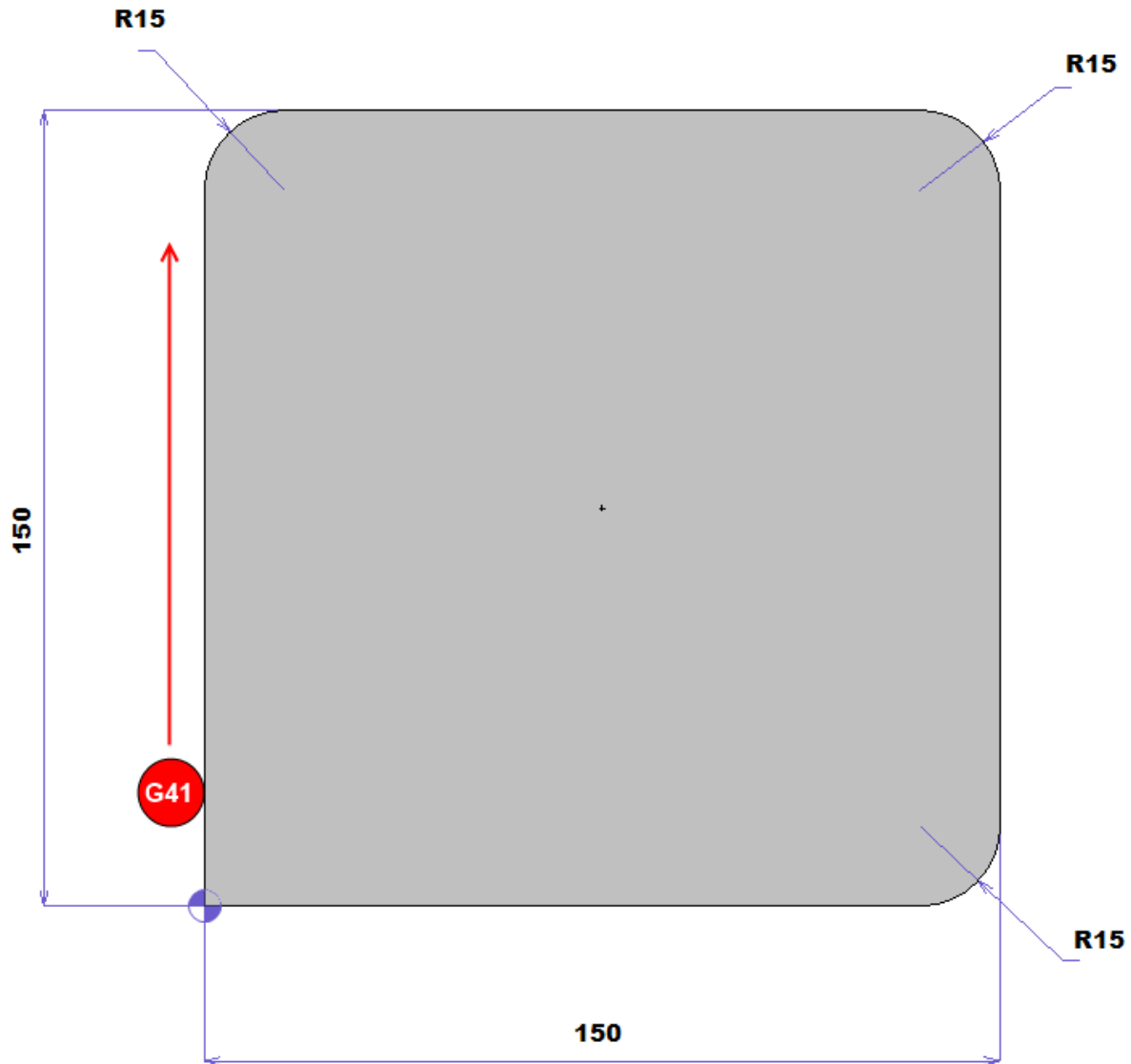
CODE P : A4MILL



- Language : Fanuc
- Make profile and use cutter compensation G41
- Use CNC G90 Absolute Programming
- Use tool T1
- Thickness of the workpiece: Z-20

PRACTICE 5

CODE P : A5MILL

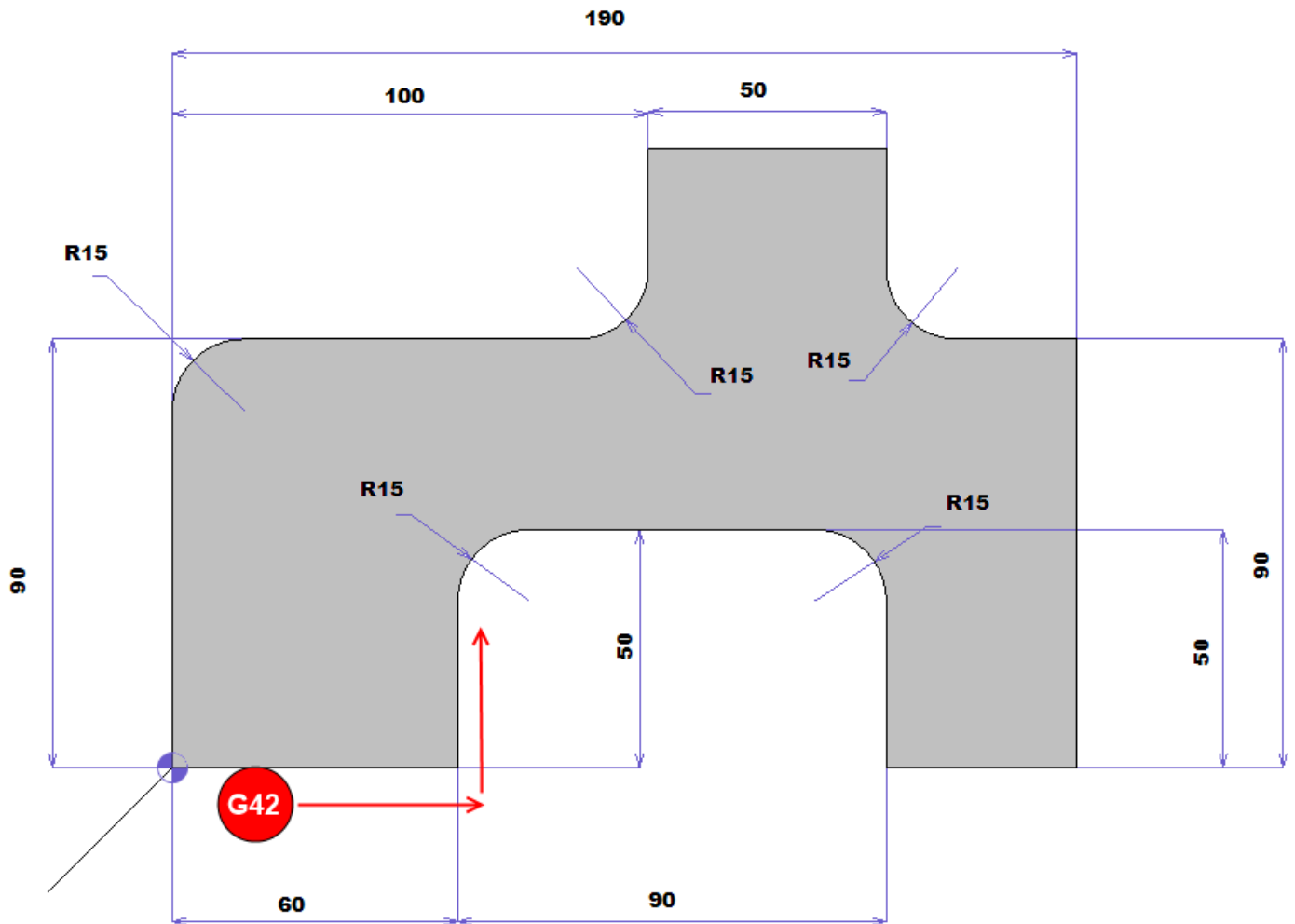


Objectives of the exercise :

- Language : Fanuc
- Make profile and use cutter compensation **G41**
- Use CNC G90 Absolute Programming
- Use tool T1
- Thickness of the workpiece: Z-20

PRACTICE 6

CODE P : A6MILL

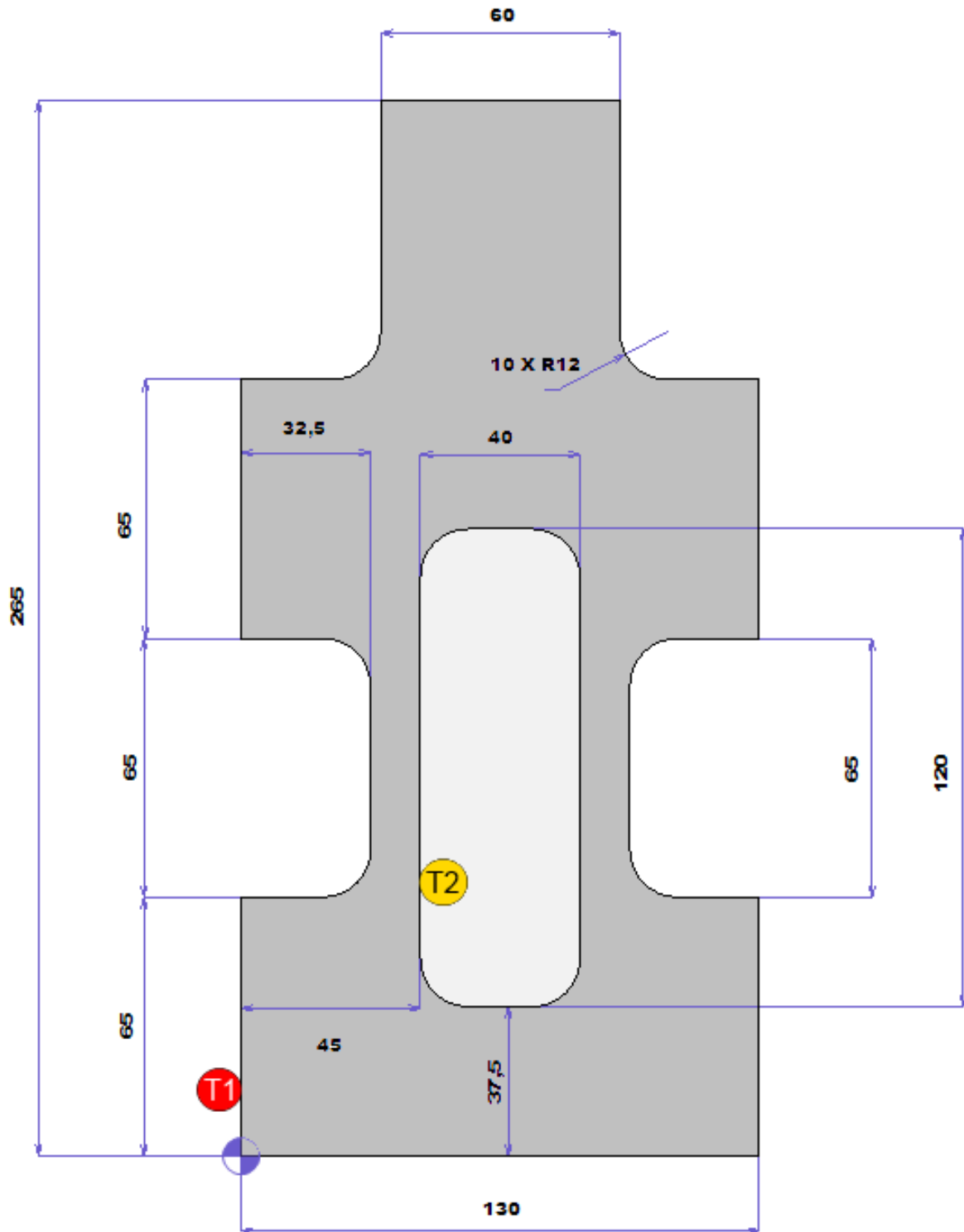


Objectives of the exercise :

- Language : Fanuc
- Make profile and use cutter compensation **G42**
- Use CNC G90 Absolute Programming
- Use tool T1
- Thickness of the workpiece: Z-20

PRACTICE 7

CODE P : A7MILL

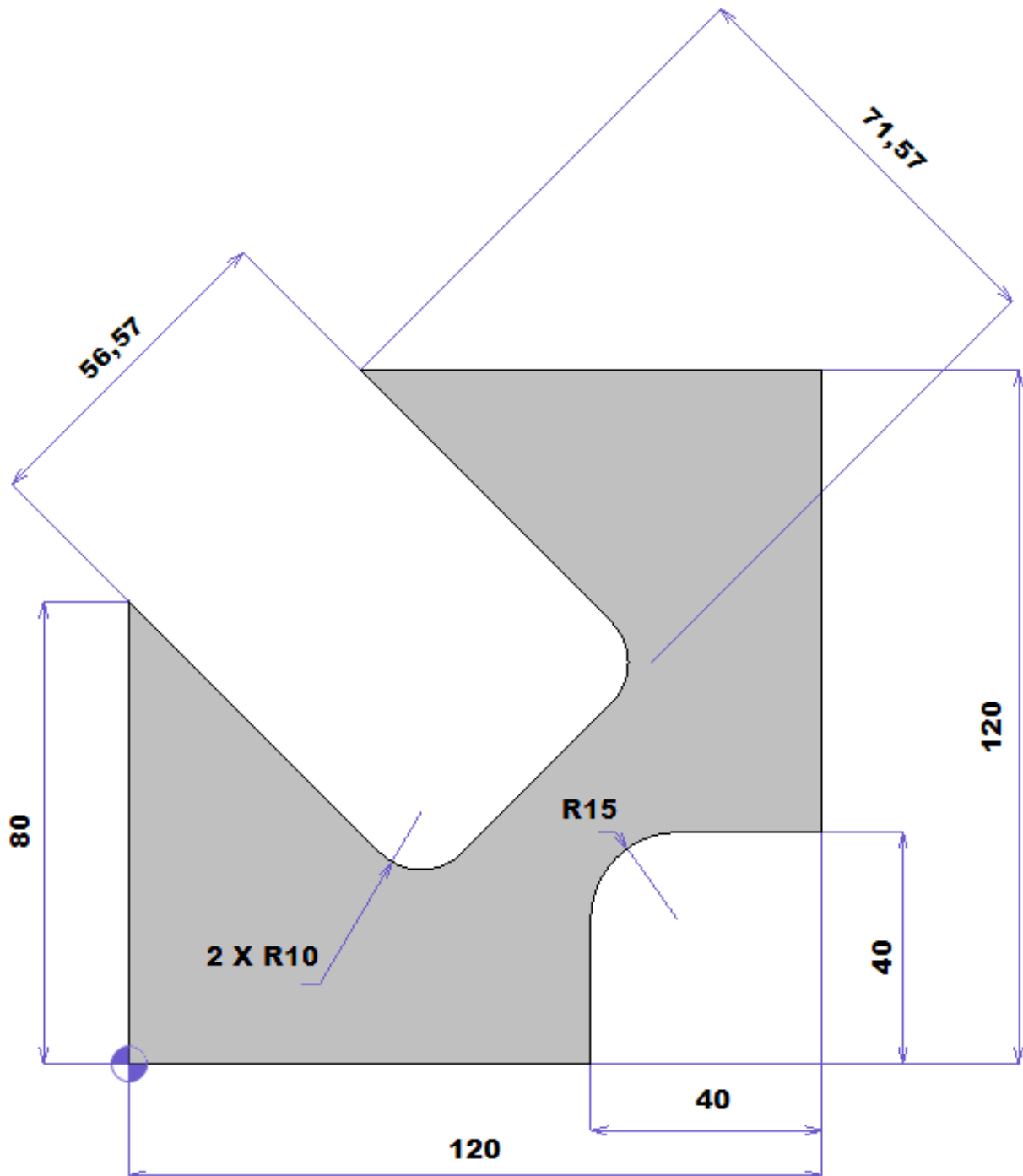


Objectives of the exercise :

- Language : Fanuc
- Use tools T1 and T2
- Thickness of the workpiece : Z-20 Profondeur de l'évidement central : Z-10

PRACTICE 8

CODE P : A8MILL



Objectives of the exercise :

- Language : Fanuc
- Use tool T1 (diameter 16 mm)
- Thickness of the workpiece : Z-20