



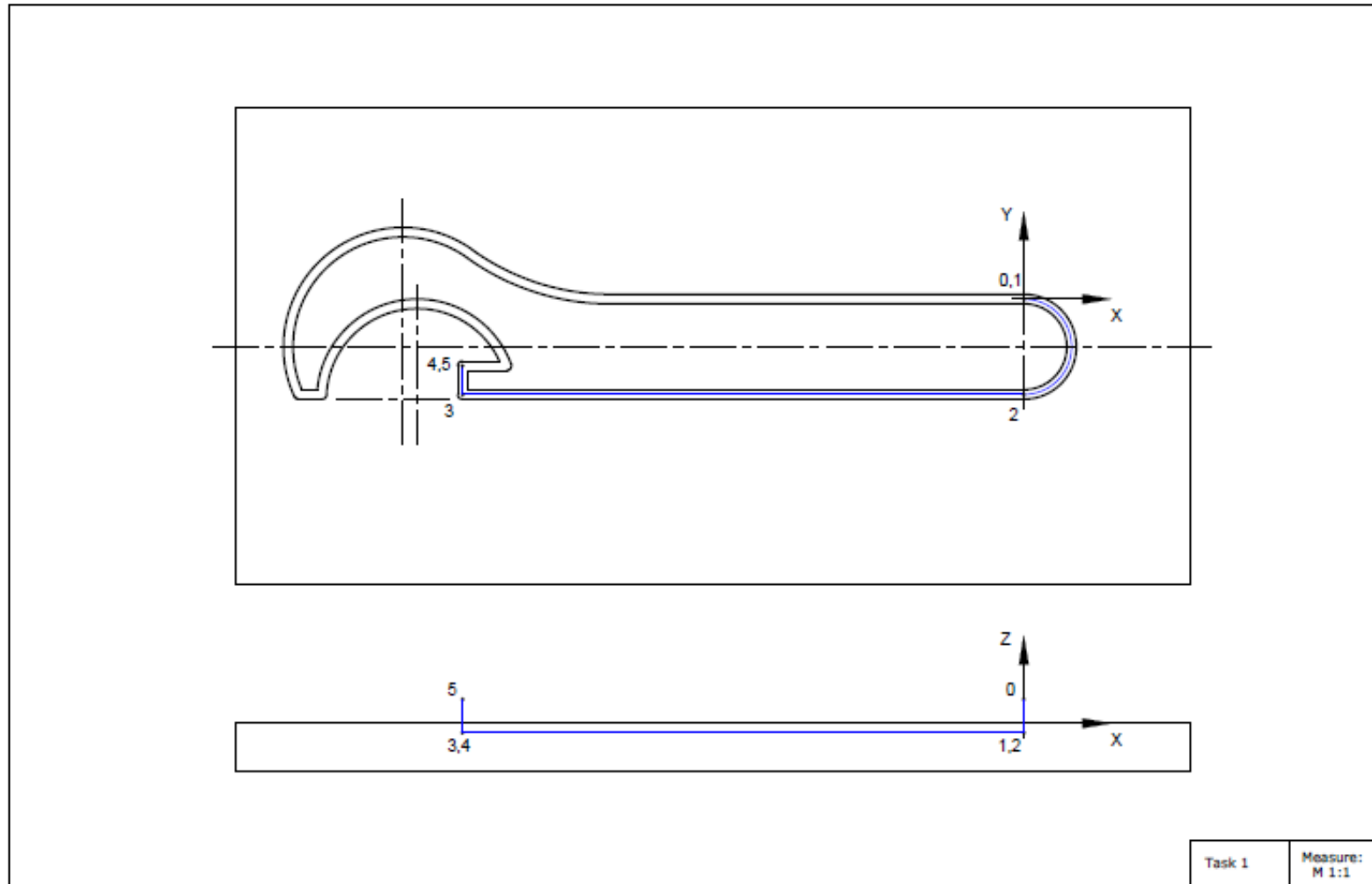
Field of education:
Mechanical engineering

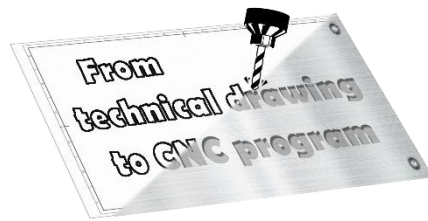
Professional qualification:
CNC operator

Exercise:
**Programming of CNC machine
(solution)**

Variant:
Task 12 – Wrench 4.2.

Solution:





Required written code that should be inserted into the control unit:

G1 Z-2

G2 Y-20 R10

G1 X-117,5

Y -14

Z5

M30

Explanation of the G-code:

%Setting the coordinate system $x=0$, $y=0$, $z=5$; point 0

G1 Z-2 %Tool entry into material; point 1

G2 Y-20 R10 %Radial milling; point 2

G1 X-117,5 %Straight milling; point 3

Y -14 %Straight milling; point 4

Z5 %Lifting of tool; point 5

M30 %End of program