



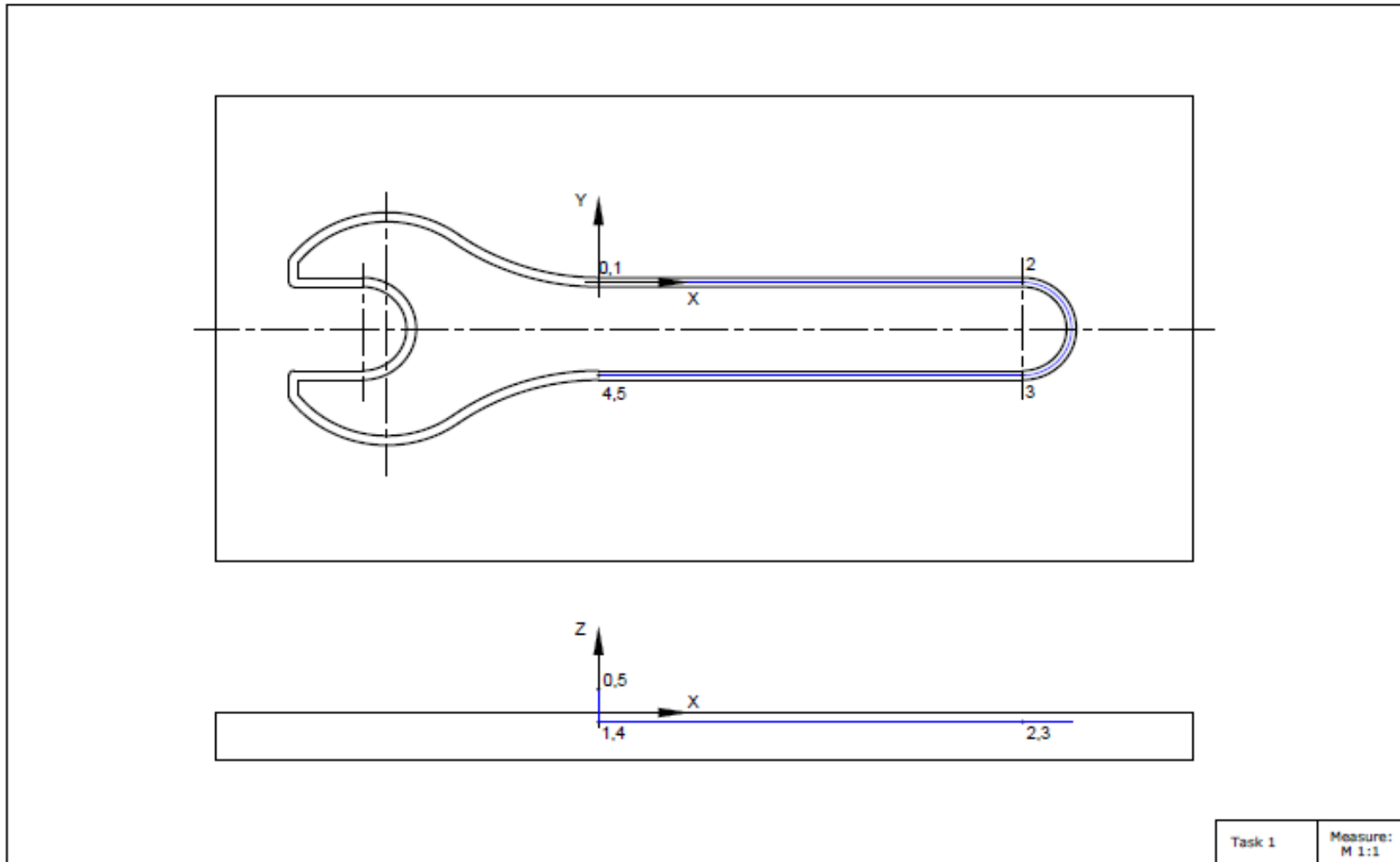
Field of education:  
**Mechanical engineering**

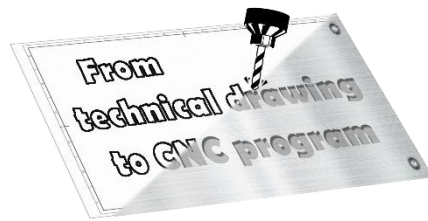
Professional qualification:  
**CNC operator**

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

Variant:  
Task 2 – Wrench 1.2.

Solution:





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

G1 Z-2  
G1 X86,687  
G2 Y-20 R10  
G1 X0  
G0 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

G1 X86,687 % Straight milling; point 2

G2 Y-20 R10 %Radial milling; point 3

G1 X0 %Straight milling; point 4

G0 Z5 %Lifting tools from the workpiece; point 5

M30 %End of program