



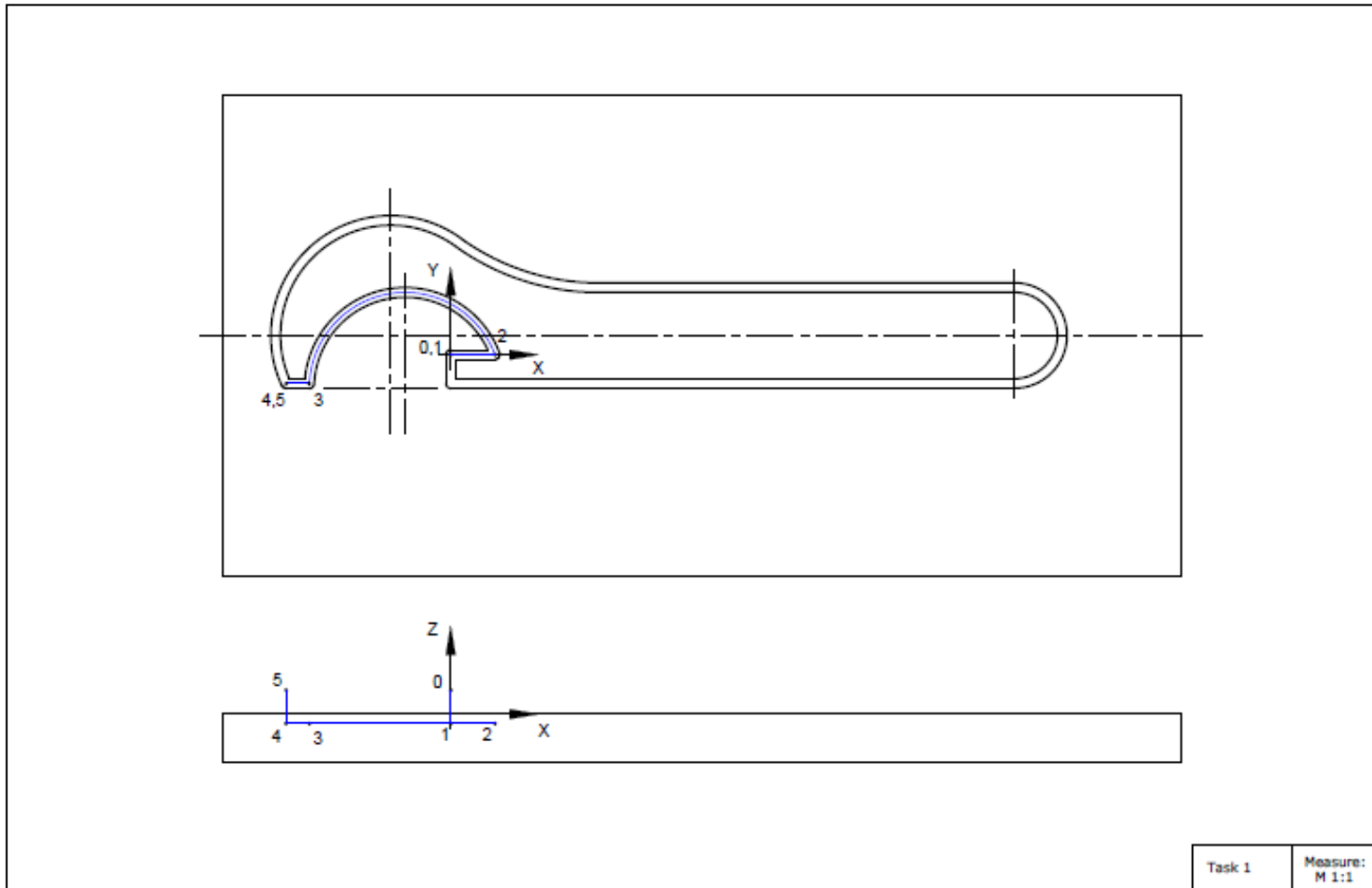
Field of education:  
**Mechanical engineering**

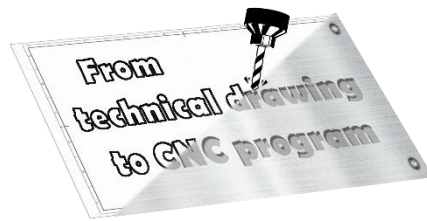
Professional qualification:  
**CNC operator**

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

Variant:  
Task 13 – Wrench 4.3.

Solution:





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

G1 Z-2

X9,235

G3 X-29,475 Y-6 R20

G1 X-34,317

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

X9,235 %Straight milling; point 2

G3 X-29,475 Y-6 R20 %Radial milling; point 3

G1 X-34,317 %Straight milling; point 4

Z5 %Lifting of tool; point 5

M30 %End of program