

## Units of learning outcomes Winding shaft

Name of unit	Winding shaft - drawing, program, output on CNC
Name of qualification / of the branch to which the unit relates	Fields of study: 23-45-L / 01 Mechanic adjuster
The level of qualification according to the EQF	4
Length (hours)	4 days (28 hours)
Expected learning outcomes (knowledge, skills, independence and responsibility)	Participant: a) Builds a Winding shaft model using SolidWorks tools b) Creates a technical drawing c) Dimensions the drawing d) Creates a program using SolidCam e) Generates a program for a CNC lathe f) Selects the optimal cutting conditions for machining g) Uses machining simulation h) Loads the program into the CNC lathe i) Tunes the program
Procedures and criteria for evaluating these learning outcomes	<ul style="list-style-type: none"> <li>- Modeling a Winding shaft Model by using SolidWorks Tools</li> <li>- Creating a technical drawing</li> <li>- Dimensioning of a technical drawing</li> <li>- Creating a program using SolidCam</li> <li>- Generating a program for a CNC lathe</li> <li>- Selection of optimal cutting conditions</li> <li>- Uploading a program to a CNC lathe</li> </ul>



	<ul style="list-style-type: none"><li>- Tunes the program</li></ul> <p>Criteria:</p> <ul style="list-style-type: none"><li>Ad a) Model the Winding shaft model by using SolidWorks Tools.</li><li>Ad b) Create a technical drawing.</li><li>Ad c) Dimension the technical drawing</li><li>Ad d) Create a program using SolidWorks</li><li>Ad e) Generate a program for a CNC lathe</li><li>Ad f) Select the optimal cutting conditions for machining</li><li>Ad g) Use machining simulation</li><li>Ad h) Load the program into the CNC lathe</li><li>Ad i) Tunes the program</li></ul>
ECVET points associated with the unit	
Unit validity period	

## Evaluation form

The name of the unit	Winding shaft - drawing, program, output on CNC			
Name				
Evaluation tasks and criteria	Performed under the supervision	Performed separately	Fulfilled Date Signature	Failed Date Signature
Makes a Winding shaft model using SolidWorks tools				
Creates a technical drawing				
Dimensions the drawing				
Creates a program using SolidCam				
Generates a program for a CNC lathe				
Selects the optimal cutting conditions for machining				
Uses machining simulation				
Loads the program into a CNC lathe				
Tunes the program				

Name and signature of the representative of the host organization responsible for the evaluation:

Pupil's signature:

Date and stamp of the receiving organization: