

**1. TITLE OF THE CERTIFICATE (HU)**

51 5233 02 SZERSZÁMKÉSZÍTŐ

**2. TRANSLATED TITLE OF THE CERTIFICATE (EN)**TOOLMAKER AND DESIGNER  
(THIS TRANSLATION HAS NO LEGAL STATUS)**3. PROFILE OF SKILLS AND COMPETENCES****A typical holder of the certificate is able to:**

- take part in the design of manufacturing equipment and tools, carrying out technical, manufacturing and process calculations, selection of materials in proper quality;
- take part in identification of the work activities to be performed with the consideration of regulations for product engineering and manufacturing processes, tolerance, surface roughness and special regulations;
- take part in the selection of standardized parts (from manufacturers' catalogues and standards) available for the manufacturing of tools and equipment;
- carry out necessary metal working processes with typical manual tools (rasp, drill, hammer etc), and minor machinery (e.g. electric/pneumatic grinders);
- carry out necessary machining with powered cutting machines (lathe, miller, grinder etc.) by applying up-to-date NC-CNC technology;
- carry out the sharpening of cutting tools and equipment necessary for work, except the regularly multi-edged tools;
- operate different pressers necessary for tool testing;
- carry out heat treatments necessary for production;
- carry out the necessary correction of tools with the knowledge of failures related to shape, dimensions and other characteristics of manufactured tools;
- carry out the repair and renewal of tools and equipment worn out, used up or damaged during use;
- operate lifting equipment necessary for the moving of heavy workpieces;
- verify the dimension, shape and position tolerance of tool components, as well as the insertion of adjacent parts and the operability of the finished tool.

**4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE**7422 Toolmaker  
7414 Temperer  
3117 Mechanical engineering technician**(\*) Explanatory notes:**

This document is designed to provide additional information about the specified certificate and does not serve as a legal certificate of vocational qualification. The format of the description is based on the following documents:

Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications; Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information on transparency is available at: <http://europass.cedefop.europa.eu/>

©European Communities 2002 ©

## 5. OFFICIAL BASIS OF THE CERTIFICATE

<p><b>Name and status of the institute issuing the certificate</b></p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b></p> <p>In the case of vocational qualifications belonging to the competence of the Ministry of Education (ME), a vocational qualification-related independent professional committee commissioned by the ME</p>																										
<p><b>Level of the certificate (national or international)</b></p> <p><b>Level of vocational qualification according to the National Qualification Register:</b></p> <p>51 Intermediate vocational qualification entitling the holder to fill positions characteristically requiring physical work, which is based on the input competence determined in the vocational and examination requirements, on preliminary vocational qualification or on the completion of the final grade of secondary school.</p> <p><b>ISCED97 code:</b> 4CV</p>	<p><b>Grading scale / Pass requirements</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Five -grade:</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 75%;">excellent</td> </tr> <tr> <td></td> <td style="text-align: center;">4</td> <td>good</td> </tr> <tr> <td></td> <td style="text-align: center;">3</td> <td>satisfactory</td> </tr> <tr> <td></td> <td style="text-align: center;">2</td> <td>pass</td> </tr> <tr> <td></td> <td style="text-align: center;">1</td> <td>fail</td> </tr> </table> <p>Vocational qualification examination after the completion of vocational training</p> <p>Parts of the examination: - Vocational theory - Vocational practice</p> <p>A successful vocational qualification examination requires a pass grade both in vocational theory and practice.</p>	Five -grade:	5	excellent		4	good		3	satisfactory		2	pass		1	fail											
Five -grade:	5	excellent																									
	4	good																									
	3	satisfactory																									
	2	pass																									
	1	fail																									
<p><b>Certificate number:</b></p> <p>PT K</p> <p><b>Serial number:</b></p> <p>123456</p> <p><b>Certificate issue date:</b></p> <p>2023.09.14</p>	<p><b>Description of vocational theoretical and practical subjects and their grades according to the five-grade scale</b></p> <p><b>1. Grades of vocational theoretical examination subjects</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Topics/subjects of written examination</td> </tr> <tr> <td style="width: 80%;">Vocational studies</td> <td style="width: 20%; text-align: center;">5</td> </tr> <tr> <td>Work planning</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Grade of Written Examination</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">Topics/subjects of oral examination</td> </tr> <tr> <td>Vocational studies</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Labour Law, Industrial Safety, Quality Assurance</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Basic studies in economics</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Grade of Vocational Theory</td> <td style="text-align: center;">5</td> </tr> </table> <p><b>2. Assessment of vocational practical preparedness</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Subjects of practical examination</td> </tr> <tr> <td>Final exam project</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Material Tests and Examinations</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Grade of Vocational Practice</td> <td style="text-align: center;">5</td> </tr> </table>	Topics/subjects of written examination		Vocational studies	5	Work planning	5	Grade of Written Examination	5	Topics/subjects of oral examination		Vocational studies	5	Labour Law, Industrial Safety, Quality Assurance	5	Basic studies in economics	5	Grade of Vocational Theory	5	Subjects of practical examination		Final exam project	5	Material Tests and Examinations	5	Grade of Vocational Practice	5
Topics/subjects of written examination																											
Vocational studies	5																										
Work planning	5																										
Grade of Written Examination	5																										
Topics/subjects of oral examination																											
Vocational studies	5																										
Labour Law, Industrial Safety, Quality Assurance	5																										
Basic studies in economics	5																										
Grade of Vocational Theory	5																										
Subjects of practical examination																											
Final exam project	5																										
Material Tests and Examinations	5																										
Grade of Vocational Practice	5																										
<p><b>Access to next level of education/training</b></p> <p>To technician education</p>	<p><b>International agreements</b></p>																										
<p><b>Other information concerning the vocational training process</b></p>																											
<p><b>Legal basis</b></p> <p>Act LXXVI of 1993 on vocational training, Decree 27/2001 (VII. 27.) OM of the Minister of Education on the amendment of Decree 7/1993 (XII. 30.) MüM of the Minister of Labour on the National Qualifications Register, Decree 26/2001 (VII. 27.) OM of the Minister of Education on the general rules and rules of procedure of vocational examinations, Decree no. 50/1999. (IX.10.) GM of the Minister of Economic Affairs on the amendment of Decree no. 5/1997. (III.5.) IKIM of the Minister of Industry, Trade and Tourism on qualifications required for performing specific industrial, commercial and tourism related activities, Decree no 20/1996. (III.28.) of the Minister of Industry and Trade (IKM) on vocational and examination requirements of tool maker and designer, Central programme approved by the Minister of Labour (MüM) under approval number 4666/97. (III.23.).</p>																											

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme %	Duration (hours/weeks/months/years)
School-/training centre-based	Theory: 60 % Practice: 40 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		2 years

**Entry requirements:**

- Completion of the last year of secondary school

**Further information:**

**MANDATORY VOCATIONAL THEORETICAL SUBJECTS**

Occupational safety and environmental protection	100 hours
Labour Law, Enterprises and Management	100 hours
Descriptive Geometry	100 hours
Initial Education in Technical Drawing for Mechanical Engineering	100 hours
Initial Education in CAD	100 hours
Industrial Materials and Prefabricated Products	100 hours
Technical Mechanics	100 hours
Machine Elements	100 hours
Electrical machines	100 hours
Control technology	100 hours
Quality Assurance	100 hours
Tool and Equipment Manufacturing Processes	100 hours
Cold-Shaping and Solid Forming Tools	100 hours
Professional Technical Drawing for Tool Maker and Designer	100 hours

**MANDATORY VOCATIONAL PRACTICAL SUBJECTS**

Basic Measurements	100 hours
Basic Practice in the Field of Metallurgy	100 hours
Workshop Training	100 hours

**Further information (including the description of the national grading method):**

The basis of the grading system is a list of vocational and examination requirements compiled in accordance with uniform criteria and structure, issued in the form of legal regulation that includes the following:

- identification number and description of the vocational qualification as specified in OKJ and the relevant FEOR number,
- school and vocational prequalification required for the start of the training, aptitude and vocational competence requirements and prescribed practice,
- the most typical occupation or activity accessible to the holder of the vocational qualification certificate, the short job description, and the list of related vocational qualifications,
- the duration of the training required for the vocational qualification; maximum number of hours; the ratio of theoretical and practical training; the number of vocational training classes in the vocational training school; the duration of initial training period; the possibility of organising a grade examination assessing the efficiency of practical training,
- occupational requirements of vocational qualification,
- requirements pertaining to vocational examination.

The vocational and examination requirements will be classified by the occupational group committees of the National Qualification Register (OKJ) and by the National Council for Vocational Training, and subsequently they will be issued in the form of legal regulations.

Vocational and examination requirements are available at: <http://www.nive.hu>

This certificate supplement was prepared on the basis of the instruction for filling in the Certificate Supplement published on the homepages of the National Reference Point and the National Europass Centre.

**National Reference Point – NSZFH – <http://nrk.nive.hu>**

Head of Examination Organiser:

Issue date: 2023.09.14

**SEAL**