

1. TITLE OF THE CERTIFICATE (CZ)<sup>(1)</sup>

**Výuční list z oboru vzdělání:  
23-51-H/01 Strojní mechanik (denní studium)**

<sup>(1)</sup> In the original language

2. TRANSLATED TITLE OF THE CERTIFICATE<sup>(2)</sup>

**Apprenticeship Certificate in:  
23-51-H/01 Machine Mechanic (full-time study)**

<sup>(2)</sup> This translation has no legal status.

## 3. PROFILE OF SKILLS AND COMPETENCES

**General competences:**

- take responsibility for completion of tasks in work or study;
- adapt own behaviour to circumstances in solving problems;
- be familiar with various methods of learning, use sources of information well, show functional literacy;
- understand assignments or identify the cores of problems, exert variable solutions, be able to work both independently and within a team;
- formulate views and attitudes verbally and in writing, communicate on elementary level in one foreign language, be motivated to extend own language competences;
- cope with changing socio-economic conditions, be financially literate;
- be aware of the labour market mechanisms, and of the employee-employer relationships, act on career decisions responsibly, understand the significance of lifelong learning;
- be able to use basic mathematics and the basic principles of physics and chemistry when needed in daily situations;
- work with the means of information and communication technologies, exploit adequate sources of information, handle information effectively;
- act in an environmentally-conscious manner and in compliance with strategies for sustainability;
- support values of local, national, European and world cultures, recognize the value of life;
- exert fundamentals of health protection, occupational safety, and fire prevention and safety;
- exert norms and prescriptions in the field.

**Vocational competences:**

- assemble, disassemble and repair machinery, machine equipment, and metal constructions;
- carry out minor repairs of replacement parts, even if this involves simple machining operations and heat treatment;
- inspect the technical condition of given equipment and ensure its operation;
- establish technological work processes in the repair of machinery and equipment;
- measure and inspect the performance parameters of machinery and equipment, perform functional tests, prepare protocols for these measurements and tests, and present users with repaired equipment;
- manage, monitor and inspect the performance of machinery and equipment;
- install machinery and equipment on site, start up machine operations and make necessary adjustments;
- keep prescribed documentation of the operation of equipment, its technical condition, defects, and repairs;
- produce drawings for the modification or manufacture of spare parts, propose suitable materials and semi-finished goods for such manufacture;
- work with engineering diagrams, schematics, standards, and other technical documentation;
- prepared to weld using electric arc welding with covered electrode (ZK 111 W01) or metal active gas (MAG) arc welding (ZK 135 W01) and oxy-acetylene torch welding (ZK 311 W01).

## 4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE



Graduates are employed in the field of mechanical engineering in the production and assembly of individual parts and complete assemblies of various machinery, equipment and structures, in their operational start up, routine maintenance, diagnostic testing of defects, and their repair. Graduates may also be employed in the repair and maintenance of machinery and equipment in non-engineering sectors.

Examples of possible job positions include: operational fitter and installer, machine fitter, building fitter, agricultural machinery fitter, mining fitter, fitter of rail structures and vehicles, steel structure installer, rotating equipment fitter, pipe and boiler installer, inspector of machined products.

## 5. OFFICIAL BASIS OF THE CERTIFICATE

<b>Name and status of the body awarding the certificate</b> Střední průmyslová škola strojnická a Střední odborná škola profesora Švejcara Plzeň Klatovská 109 Plzeň 301 00 CZ public school	<b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b> Ministry of Education, Youth and Sports Karmelitská 7 118 12 Praha 1 Czech Republic
<b>Level of the certificate (national or international)</b> Upper secondary education completed by the final examination (Apprenticeship Certificate) <b>ISCED 353, EQF 3</b>	<b>Grading scale / Pass requirements</b> 1 excellent (výborný) 2 very good (chvalitebný) 3 good (dobrý) 4 satisfactory (dostatečný) 5 fail (nedostatečný) <b>Overall assessment::</b> Prospěl s vyznamenáním: Pass with Honours (the average mark is ≤ 1,5) Prospěl: Pass (an examination mark is not worse than 4) Neprospěl: Fail (the examination mark in one or more subjects is 5)
<b>Access to next level of education / training</b> ISCED 354, EQF 4	<b>International agreements</b>
<b>Legal basis</b> Law No. 561/2004 on Pre-school, Basic, Secondary, Post-secondary and Other Education (School Act) as amended by later regulations	

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme	Duration
<ul style="list-style-type: none"> <li>• School- / training centre-based</li> <li>• Workplace-based</li> <li>• Accredited prior learning</li> </ul>	The ratio between theoretical education and practical training is defined by education providers themselves with regard to the respective educational programme and the employers' needs.	
Total duration of the education / training leading to the certificate		<b>3 years / 3 072 lessons</b>
<b>Entry requirements</b> Completed compulsory school education		
<b>Additional information</b> More information (including a description of the national qualifications system) available at: <a href="http://www.nuv.cz">www.nuv.cz</a> and <a href="http://www.eurydice.org">www.eurydice.org</a>		
<b>National Institute for Education, Education Counselling Centre and Centre for Continuing Education of Teachers – National Europass Centre Czech Republic</b> Weilova 1271/6 102 00 Praha 10 Czech Republic		
<b>Done at Prague for the school year 2016/2017</b>		  stamp and signature

## (\*) Explanatory note

This document is a supplement to a specific diploma/certificate. It provides additional information on competencies gained in the given field of study and does not have any legal status in itself. The format of the description is based on the following texts: 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 and Decision No 2241/2004/EC of the European Parliament and of the Council of 15 December 2004 on a single Community framework for the transparency of qualifications and competences (Europass).

More information available at: <http://europass.cedefop.europa.eu>, <http://www.europass.cz>

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