

<b>1. TITLE OF THE CERTIFICATE <sup>(1)</sup></b>
<b>Diplomeeritud mehaanikainsener V</b>
<sup>(1)</sup> in the original language

<b>2. TRANSLATED TITLE OF THE CERTIFICATE <sup>(1)</sup></b>
<b>Diploma Mechanical Engineer V</b>
<sup>(1)</sup> if applicable. This translation has no legal status.

<b>3. PROFILE OF SKILLS AND COMPETENCIES</b>
<p>Basic skills and knowledge of a certified mechanical engineer:</p> <ul style="list-style-type: none"> <li>- Knowledge of the fields of basic and main theoretical studies (mathematics, physics, chemistry, engineering mechanics, electrical engineering, strength of materials, quality engineering, technology of construction materials) according to the requirements of the speciality.</li> <li>- Knowledge of the engineering fields of the speciality, such as machinery elements, strength of materials, material engineering, aero- and hydrodynamics, machinery mechanics, production technology, production equipment, quality management, basics of product development, computer design and economic studies, which enable to solve the daily problems of a mechanical engineer.</li> <li>- Knowledge of more specific professional fields, such as hydraulics, pneumatics, automation technology, human-machine relations, mechatronics, tribology, expert systems, modelling, CAD, CAM design systems, reliability technology, casting, pressure and welding technology, high-tech materials, etc., according to specialisation.</li> </ul> <p>More specific fields of activity related to specialisation are construction, machinery engineering, welding, mechatronics and vehicle technology.</p>

<b>4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE <sup>(1)</sup></b>
Mechanical engineer
<sup>(1)</sup> If applicable

## <sup>(\*)</sup> Explanatory note

This document is designed to provide additional information about the specified certificate 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.

More information available at: <http://europass.cedefop.europa.eu/en/home>

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## 5. OFFICIAL BASIS OF THE CERTIFICATE

<b>Name and status of the body awarding the certificate</b> The occupational certificate that has been issued by the professional council that operates under the activity license issued by a Awarding Body	<b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b> Sector Skills Council approved by a Regulation of the Government of the Republic
<b>Level of the certificate (national or international)</b> Estonian Qualification Framework level 7 European Qualification Framework level 7	<b>Grading scale / Pass requirements</b> Passed/not passed
<b>Access to next level of education/training</b> Estonian Qualification Framework level 8 European Qualification Framework level 8	<b>International agreements</b>
<b>Legal basis</b> Occupational Qualifications Act (RT I 2008, 24, 156; 01.09.2008)	

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

In order to obtain a occupational certificate, the applicant has to prove all his/her competencies required by the occupational standard and by the procedure for awarding of occupational qualification established by the body awarding the occupational qualification.

**More information** (including a description of the national qualifications system) available at:  
[www.kutsekoda.ee](http://www.kutsekoda.ee)