

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

**Lehrabschlussprüfungszeugnis Metaldesign – Schwerpunkt Metalldrückerei**

<sup>(1)</sup> in original language

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

**Certificate of Apprenticeship “Metal Design specialising in Metal Spinning” (f/m)**

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

**3. PROFILE OF SKILLS AND COMPETENCES**
**Specialist areas of competence:**
**Basics of metal design**

The specialist in metal design creates various products to order, such as lighting fixtures, furnishings, jewellery, print forms, signs, round hollow objects and works of art using various metal design techniques. To do this, he/she gathers information from customer designs, CAD drawings or 3D models and selects suitable materials based on the order and on his/her knowledge of utilisation, processing and treatment options. He/she prepares tools and machines and ensures operational quality assurance and compliance with relevant safety regulations during work processes. If necessary, the specialist replaces damaged tools and machines or repairs simple damage himself/herself. To manufacture products, the specialist carries out various cutting processes, such as cutting and sawing, depending on the order, and produces detachable and non-detachable connections using suitable tools or equipment, e.g. by gluing, riveting or soldering. Depending on the respective requirements, he/she processes metal workpieces, e.g. by drilling, bending, rolling, turning or milling, using hand tools, hand-held machines, conventional machine tools or computer-aided machines. As part of the production process, the specialist carries out simple technical calculations, such as speed and feed rate calculations. To measure and inspect workpieces, the specialist selects test equipment such as measuring sticks or protractors and identifies any sources of error when carrying out the work. He/she assesses the manufactured products in terms of quality and customer specifications. The specialist packs the products professionally and according to customer specifications, prepares units for transport or storage and takes into account the basic internal logistics process, from goods procurement, goods receipt, goods storage and internal logistics through to goods delivery. When carrying out work, the specialist observes the relevant legal regulations and technical guidelines.

**Specialisation in metal spinning**

The specialist in metal design specialising in metal spinning designs products based on customer designs (e.g. round hollow objects and moulded parts such as works of art, ventilation parts, lighting fixture parts). He/she assesses the sketches and drawings provided and recognises any errors (e.g. incompleteness, content that cannot be implemented). The specialist converts customer designs in the form of design sketches, for example, into production-ready drawings, taking into account the likes of aesthetic design and stylistics. If necessary, he/she also makes adaptations using CAD software and converts the resulting 2D drawings and/or 3D data into production data sets. He/she also designs associated spinning moulds and/or models for different products, individual and series parts and defines divisions, cuts and parting lines. The specialist produces these models from wood, metal and plastic by shaping and/or turning in order to produce round hollow objects and moulded parts as individual parts and series parts. To produce metal spinning workpieces, he/she shapes various metals on the spinning lathe by hand or using CNC-controlled spinning lathes. The specialist moves the workpieces back and forth on the spinning lathe, folds over workpiece edges, cuts out workpiece bottoms and turns out inner sides. If required, he/she preheats metals electrically and with a flame, anneals them and carries out surface treatments. The specialist also carries out various joining techniques (e.g. soft and hard soldering) and welds in various positions using different methods. The specialist assesses the quality of work in the field of metal spinning, advises customers on technical issues and the realisation of the products to be manufactured and provides information on the timing of implementation.

**Interdisciplinary areas of competence:**

- Working in an operational and professional environment
- Quality oriented, safe and sustainable work
- Digital work

#### 4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE <sup>(3)</sup>

**Range of occupations:**

Employment including in small and medium-sized metal spinning plants and in industrial companies in the metal processing sector

<sup>(3)</sup> if applicable

**(\*) Explanatory note**

This document has been developed with a view to providing additional information on individual certificates; it has no legal effect in its own right. These explanatory notes refer to the Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass).

More information on Europass is available at: <http://europass.cedefop.europa.eu> or [www.europass.at](http://www.europass.at)

#### 5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the body awarding the certificate	Name and status of the national/regional authority providing accreditation/recognition of the certificate
Lehrlingsstelle der Wirtschaftskammer  (Apprenticeship Office of the Economic Chamber; for the address, see certificate)	Bundesministerium für Arbeit und Wirtschaft (Federal Ministry for Labour and Economy)
Level of the certificate (national or international)	Grading scale / Pass requirements
NQF/EQF 4 ISCED 35	Overall performance: Pass with Distinction Good Pass Pass Fail
Access to next level of education/training	International agreements
Access to the <i>Berufsreifeprüfung</i> (i.e. certificate providing university access for skilled workers) or a vocational college for people under employment. Access to relevant courses at a <i>Fachhochschule</i> (i.e. university level study programme of at least three years' duration with vocational-technical orientation); additional examinations must be taken if the educational objective of the respective course requires it.	Between Germany, Hungary, South Tyrol and Austria, international agreements on the mutual automatic recognition of apprenticeship-leave examinations and other vocational qualifications have been concluded. Information on equivalent apprenticeship occupations can be obtained from the (Federal Ministry for Labour and Economy).
Legal basis	
1. Training Regulation for Metal Design BGBl. II (Federal Law Gazette) No. 186/2024 (company-based training) 2. Curriculum framework (education at the vocational school for apprentices) 3. The present apprenticeship trade replaces the apprenticeship trade metal design technician specialising in metal spinning (Training and Examination Regulation BGBl. II (Federal Law Gazette) No. 267/2002 as amended by BGBl. II (Federal Law Gazette) No. 177/2005), which expired as of 30 of June 2024.	

#### 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

1. Training in the framework of the given Training Regulation for Metal Design and of the curriculum of the vocational school for apprentices. Admission to the final apprenticeship examination upon completion of the apprenticeship period specified for the apprenticeship trade concerned. The final apprenticeship examination aims to establish whether the apprentice has acquired the skills and competences required for the respective apprenticeship trade and is able to carry out the activities particular to the learned trade herself/himself in an appropriate manner.
2. Admission to the final apprenticeship examination in accordance with Article 23 (5) of the *Berufsausbildungsgesetz* (Vocational Training Act). An applicant for an examination is entitled to sit the final apprenticeship examination without completing a formal apprenticeship training if she/he has reached 18 years of age and is able to prove acquisition of the required skills and competences by means of a relevant practical or an on-the-job training activity of appropriate length, by attending relevant courses etc.

**Additional information:**

**Entry requirements:** successful completion of 9 years of compulsory schooling

**Duration of training:** 3 years

**Enterprise-based training:** Enterprise-based training comprises  $\frac{4}{5}$  of the entire duration of the training and focuses on the provision of job-specific skills and competences according to Article 3 of the Training Regulation, BGBl. II

(Federal Law Gazette) No. 186/2024, enabling the apprentice to exercise qualified activities as defined by the profile of skills and competences specified above (cf. job profile).

**Education at vocational school:** School-based education comprises  $\frac{1}{5}$  of the entire duration of the training. The vocational school for apprentices has the tasks of imparting to apprentices the basic theoretical knowledge, of supplementing their enterprise-based training and of widening their general education in the framework of subject-oriented part-time instruction.

**More information** (including a description of the national qualification system) is available at:  
[www.zeugnisinfo.at](http://www.zeugnisinfo.at) and [www.edusystem.at](http://www.edusystem.at)

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