

1. TITLE OF THE CERTIFICATE (ES)

**Certificado de Profesionalidad de nivel 3 en
FMEM0111 FABRICACIÓN POR DECOLETAJE**

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Professional Certificate Level 3 in
FMEM0111 BAR-TURNING MANUFACTURE
(This translation has no legal status)**

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to obtain bar-turned machine pieces, planning and supervising production, preparing and setting up conventional and CNC machines, taking responsibility for maintenance of equipment, achieving criteria of quality, while complying with the company's occupational risk prevention and environmental plans and current law. This general competence is divided into the following **skills units** (UC):

- Plan production of bar-turned pieces (UC2159_3).
- Program CNC machines for bar-turning (UC2160_3).
- Prepare machines for bar-turning (UC2161_3).
- Manage and supervise the maintenance of the machines used for bar-turning (UC2162_3).

The professional skills are acquired through the **learning outcomes** defined within the related Training Modules (MF):

- Planning production of bar-turned pieces (MF2159_3).
- Programming of CNC machines for bar-turning (MF2160_3).
- Preparation of machines for bar-turning (MF2161_3).
- Management and supervision of the maintenance of the machines used for bar-turning (MF2162_3).
- Supervision of the production of pieces by bar-turning (MF2163_3).
- Practical training at the workplace in bar-turning manufacture (MP0424)

(See legal basis for all learning outcomes information acquired by the holder of this Certificate in each MF).

As a reference the learning outcomes include in the Practical training at the workplace that complete and reinforce the learning outcomes acquired in the other training modules, are:

- Plan serial production of pieces for bar turning.
- Prepare bar turning machines by order of manufacture and technical documentation.
- Supervise the manufacture of series of pieces obtained by bar turning.
- Collaborate on the maintenance of facilities, machines and equipment used in bar turning manufacturing.
- Take part in the company's working processes, following the rules and instructions established at the workplace.

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

The holder of this certificate may work in areas of planning and production in companies dedicated to manufacture of pieces by bar turning. The holder may work in the subsector of the metal transforming industry, above all in the following economic activities: metallurgy, manufacture by bar turning; manufacture of metal products; manufacture of machinery and mechanical equipment; manufacture of computer, electronic or optical products; manufacture of motor vehicles and transport vehicles.

The most pertinent occupations and positions are:

- Machine-tool mechanics technician.
- Operator for maintenance of machine-tools for working with metals, in general.
- Machine-tool fitter for metal working pieces, in general.
- Machine-tool fitter with CNC, for working with metals.
- Machine-tool fitter for working with metals.
- Machine-tool operator.

| 5. OFFICIAL BASIS OF THE CERTIFICATE |
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| <p style="text-align: center;">Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>The Ministry of Employment and Social Security or the corresponding autonomous regional administration within the scope of its competence, in the name of the King. The certificate is valid throughout Spain.</p> |
| <p style="text-align: center;">Level of the certificate</p> <p>The Professional Certificate Level 3 of the National Repertoire of Professional Certificates corresponds to level 4 of the International Standard Classification of Education (ISCED-P 2011).</p> <p>The European Qualification Framework (EQF) level:</p> |
| <p style="text-align: center;">Grading scale/Pass requirements</p> <p>The grading scale and pass level of the training modules are expressed on a scale of 0 to 10. The minimum score for a pass is 5 in every training module including a pass in the practical training at the workplace module.</p> <p>The grading system is as follows:</p> <ul style="list-style-type: none"> - FAIL: 0 to 4.9 - PASS-SATISFACTORY: 5 to 6.9 - PASS-GOOD: 7 to 8.9 - PASS-EXCELLENT: 9 to 10 |
| <p style="text-align: center;">Access to next level of education/training</p> <p>This Professional Certificate Level 3 gives access to Professional Certificate Level 3 within the same professional area and family.</p> <p>For validation purposes, the educational authorities will recognise the professional module or modules of the VET diplomas corresponding to the skills units included in the training modules of this certificate.</p> |
| <p style="text-align: center;">Legal basis</p> <p>Royal Decree 618/2013 of 2 August, establishing four professional certificates in the professional family Metal working, which are included in the National Repertoire of Professional Certificates and update the professional certificates established in Appendices I and II of Royal Decree 1521/2011 of 31 October. (Appendix I, Code: FMEM0111)</p> |

| 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE | | |
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| <p>This certificate may be acquired by:</p> <ol style="list-style-type: none"> 1. Training: Completion with a pass grade of the face-to-face or online training programme. 2. Recognition of the professional skills acquired through professional experience or non-formal training (prior learning): Completion of a process of skills evaluation and accreditation in all the skills units making up the professional certificate. 3. Dual training: Completion of a training and apprenticeship contract, which may range from 1 year (or 6 months, if stipulated as such in the collective agreement) to 3 years, during which effective working time is combined with time dedicated to training under the training programme for the professional certificate. <p>The training method (number 1 above) requires successful completion of the training modules and the practical training at the workplace:</p> | | |
| Description of vocational training received | Percentage of total programme (%) | Duration (hours) |
| Training modules | 94 | 590 |
| Practical training at the workplace | 6 | 40 |
| Total duration of training leading to the certificate | | 630 |

Entry/access requirements:

- *Bachiller* Diploma (upper secondary education); or
- Professional Certificate Level 2 in the same professional area.
- If neither of the above or higher certifications are held, a pass in the key skills tests.

Additional information: Professional certificates are instruments for official accreditation of the professional qualifications in the National Catalogue of Professional Qualifications for all economic activities, within the scope of the labour administration. The National Repertoire of Professional Certificates is divided into three qualification levels (Level 1, Level 2 and Level 3), and by sectors into 26 professional families and 102 professional areas. More information is available at: www.sepe.es

National Europass Centre: www.oapee.es

(*) **Explanatory note:** This document is designed to provide additional information about the specified certificate, but has no 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 is available at: <http://europass.cedefop.eu.int>

Information on Professional Certificates of the Map of Qualifications and Vocational Training in Spain

