



SPECIAL STEEL PROFILES FOR

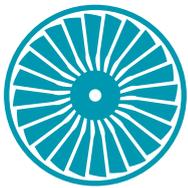
ENERGY

SPECIAL STEEL PROFILES FOR TURBINES, GENERATORS AND POWER PLANTS

In the energy industry, **reliable** and **strong** components are essential for the continuity and safety of plants.

Calvi's **special profiles in carbon and stainless steel** are ideal for highly demanding applications. Designed to **resist corrosion and high temperatures**, our efficient and durable profiles help improve plant sustainability and performance.

Main applications



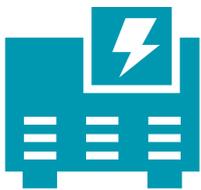
TURBINES



SPACERS



KEYS



GENERATORS



SPACERS



KEYBARS



COMPONENTS



SPACERS



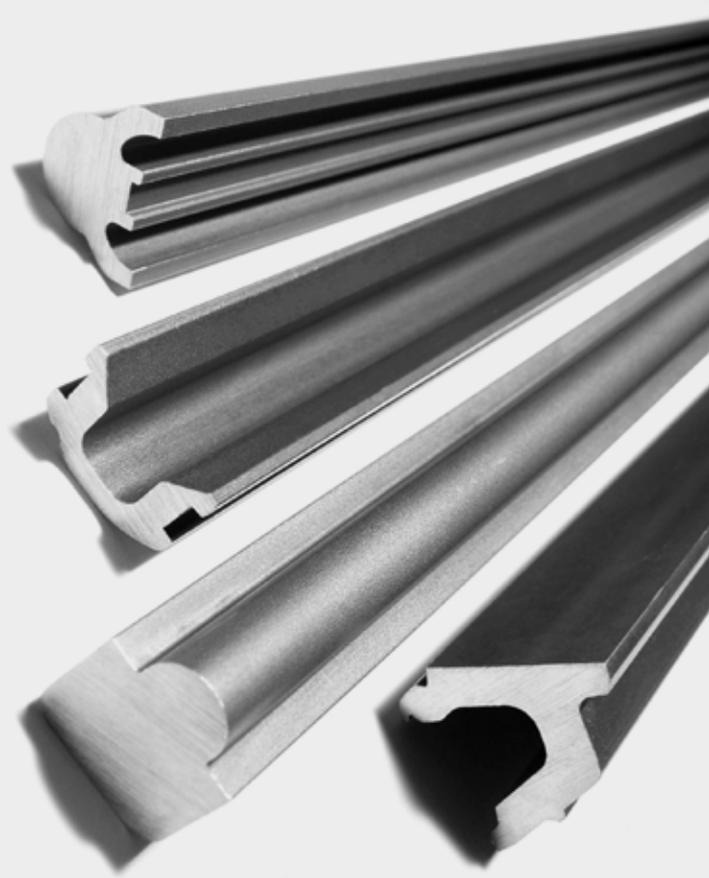
NUCLEAR



COMPONENTS

Advantages

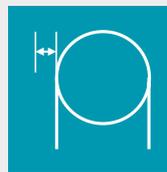
- **Customized** technical specifications
- **Near-net-shape**
- **Reduced** machining **time**
- Improved metallurgical properties with **grain strengthening**
- Improved mechanical properties in terms of **strength, hardness** and **toughness**
- Narrow dimensional and **straightness tolerances**



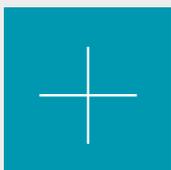
Product range



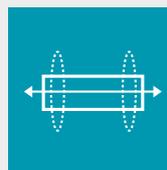
PROFILE TYPES
hot-rolled, cold-drawn



SIZE TOLERANCES
between +/- 0.02 and +/- 0.10 mm (standard)
from +/- 0.001" to +/- 0.004" (standard)



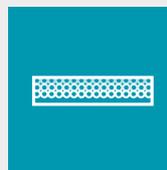
CROSS SECTION
between 20 and 10,000 mm²
from 0.03 to 16 inch²



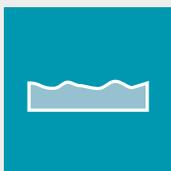
STRAIGHTENING TOLERANCES
between 0.3 and 1 mm/m (standard)
from 0.01" to 0.04"/ft (standard)



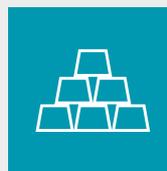
WEIGHT
between 0.1 and 75kg/m
from 0.06 to 50 lbs/ft



DECARBURIZATION
up to 0 mm (on request)
up to 0" (on request)



SURFACE ROUGHNESS
between Ra 0.8 and Ra 3.2 μm
from Ra 32 to Ra 125 μin



MATERIALS
structural steels, stainless steels

Indicative values. The data are provided for general information purposes only and may not be considered to guarantee any product properties.



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CALVI S.p.A.

Company subject to the management and coordination of Calvi Holding S.p.A.



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