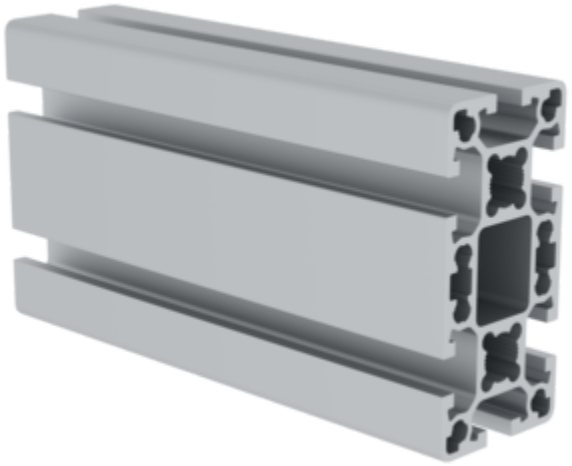
MUNK
Sicherheit. Made in Germany.



Order no.: 930101

Aluminium profile 40x80 mm

Surface finish

Anodised aluminium | Natural aluminium

Specification

Profile type Construction profile	Length max. 6 m	Material Aluminium	Profile dimension X 40 mm	Profile dimension Y 80 mm
Weight per metre 2840 g/m	Groove size 8 mm	No. of grooves 6	Ix Area moment of inertia 183900 cm4	Iy Area moment of inertia 653453 cm4
Cross-sectional area FL 1053.59 mm²	Surface texture Natural aluminium	Anodising without	End design Sawn	Core hole diameter M12
Order no. 930101				

Facts

- Construction profile made from aluminium
- Screw channel profile with T-slot
- For sturdy, versatile constructions
- Simple installation
- Versatile use
- Added visual and functional benefits

Description

Modular precision meets maximum bending stiffness! The MUNK aluminium profile 40 × 80 mm is the powerful solution for long-span constructions – available in either light anodised (E6/EV2) or natural untreated, with six 8 mm T-slots for versatile mounting options.

Highest load-bearing capacity with slim design

- In different lengths up to 6000 mm

- Asymmetrical external dimensions 40 × 80 mm, weight 2.840 g/m – optimum ratio of stability to material consumption.
- Extreme moments of inertia Ix = 183900 cm^4, Iy = 653453 cm^4 enable large spans without deflection.
- Six 8 mm T-slots offer maximum flexibility for panels, guides and attachments.

Professional connection technology

- Continuous M12 core channel ensures high-strength screw connections for load-bearing main frames.
- Profiles are cut to length with millimetre precision up to 6 m – ready for assembly without material waste.
- Force-fit T-slot connections eliminate welding work and enable quick conversions.

Surface finish according to application

- Light anodised: durable corrosion protection and attractive appearance for visible areas.
- Natural untreated: economical solution for base frames or clad constructions.

Typical areas of application

- Gantry cranes & jibs: Maximum Ix stiffness for large spans without intermediate supports.
- Machine gantries: Vibration-resistant base frames for machining centres and robot cells.
- Conveyor system main beams: High fatigue strength under dynamic loads.
- Protective glazing: Secure mounting of large panels across all T-slots.

Discover the MUNK aluminium profile 40 × 80 mm – your stable foundation for demanding long-span constructions that can carry heavy loads today and be flexibly expanded tomorrow.

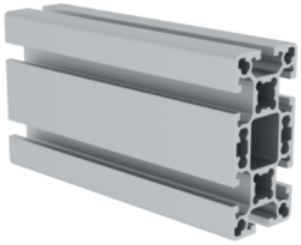
Scope of supply

- Aluminium profiles, sawn to the required length (max. 6 m): 1 x

Information on sustainability criteria

- Corporate certification: ISO 9001
- Corporate certification: ISO 14001
- Corporate certification: EN 1090
- Corporate certification: EcoVadis
- RoHS
- REACH
- The MUNK Group complies with a Code of Conduct
- The Supply Chain Act does not apply due to our size
- The materials used are listed in the technical specification
- Resource-saving production: own photovoltaic systems
- Energy-efficient consumption during production: LED lighting
- Repairability, durability and quality: 15-year warranty on series products made in Germany
- Recyclability: Our products are mostly made of aluminium, steel or wood and can be fed directly into the recycling process.
- Socially acceptable working conditions in production: fair wages, gender equality
- Economical and recyclable packaging: no use of polystyrene, predominantly use of wood and cardboard, small amounts of plastic
- No health hazards for the users

More product pictures



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Corporate certifications

Standards for quality and sustainability