# SPECIAL PROFILES FOR EVERY DEMAND AND EVERY APPLICATION
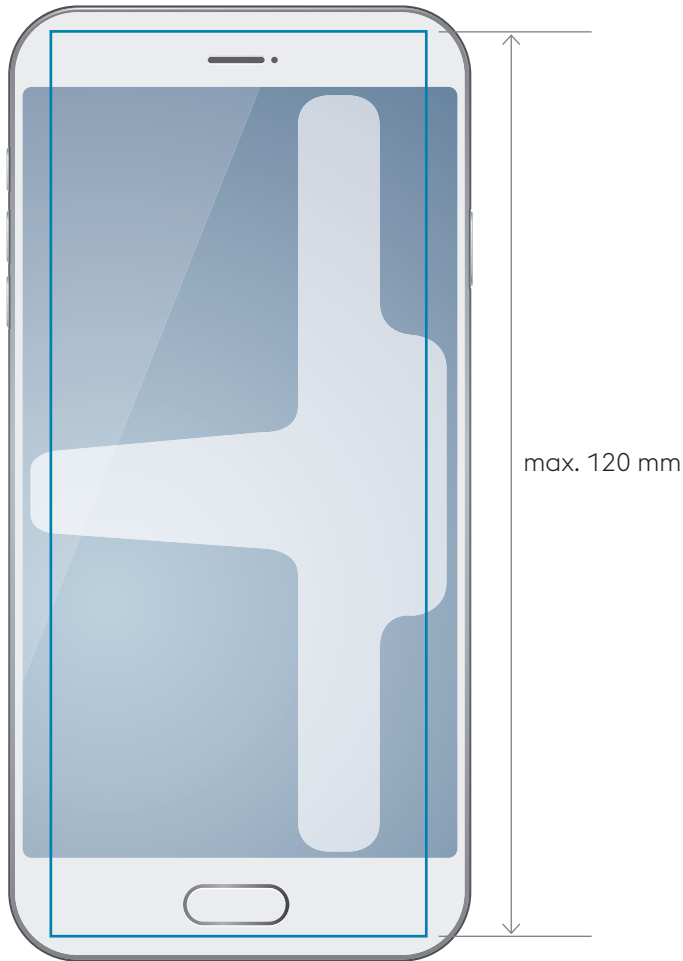
Minimum order quantity: 500 kg*
Cross section: 10 – 4000 mm$^2$
Weight of bar: max. 100 kg

**More than 5000 special profiles developed together with our customers!**

## Dimensional range

max. 120 mm

## Materials

- » Tool steels
- » High speed steels
- » Creep resistant steels
- » Special physical steels
- » Stainless steel, acid and heat resistant steels
- » Unalloyed and alloyed steels
- » Heat treatable steels
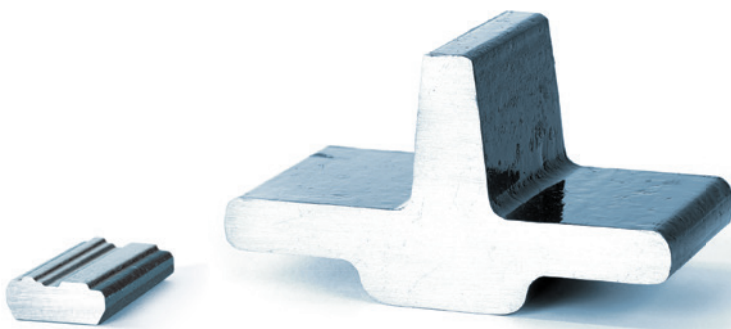- » Case-hardening steels

## Melting

- » Conventional
- » ESR
- » VAR
- » PM

## Execution

| | |
|---|---|
| **Procedure** | rolled, drawn |
| **Heat treatment** | natural hardened, annealed, quenched, hardened/tempered (acc. to material specification and customer requirement) |
| **Surface finish** | unmachined, shotblasted, pickled |
| **Tolerances** | acc. to international standards; tighter tolerances acc. to special requirements |
| **Delivered length** | as random lengths and fixed lengths, sawn short pieces or coils |

## Supplementary program bar steel

| Hexagon | Round | Square | Flat |
|---|---|---|---|
| SW 10 – 50 mm | Ø 10 – 50 mm | 10 – 50 mm | 10 – 120 mm wide 3 – 50 mm high |

* or depending on the raw material minimum order quantity

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# SPECIAL PROFILES MADE OF NICKEL-BASED ALLOYS

The feasibility depends on the profile geometry, the requirements on microstructure and the requirements on mechanical properties.
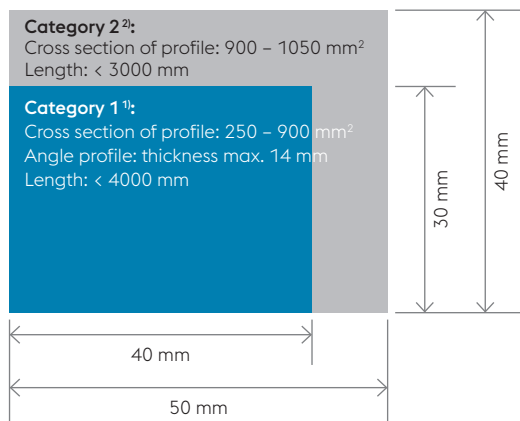
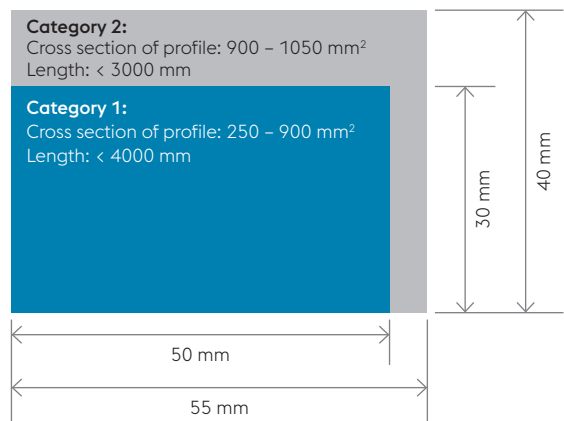Minimum order quantity: 1000 kg*
Cross section: 250 – 1050 mm$^2$
Weight of bar: max. 40 kg
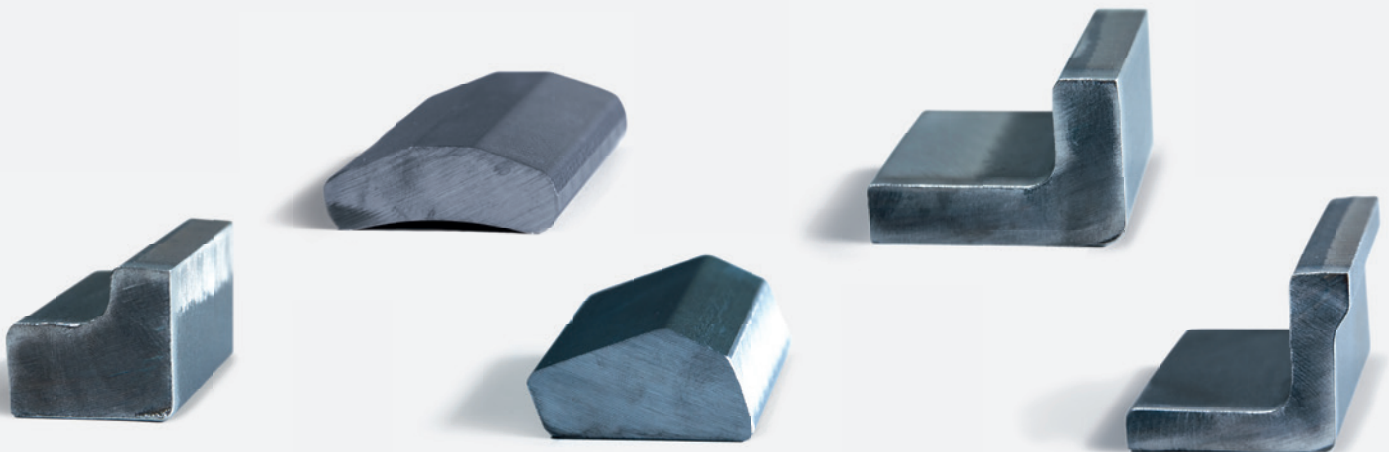
## Dimensional range

### BÖHLER L718 / Inconel 718

**Category 2 [2]:**
Cross section of profile: 900 – 1050 mm$^2$
Length: < 3000 mm

**Category 1 [1]:**
Cross section of profile: 250 – 900 mm$^2$
Angle profile: thickness max. 14 mm
Length: < 4000 mm

30 mm
40 mm
40 mm
50 mm

### BÖHLER L625 / Alloy 625

**Category 2:**
Cross section of profile: 900 – 1050 mm$^2$
Length: < 3000 mm

**Category 1:**
Cross section of profile: 250 – 900 mm$^2$
Length: < 4000 mm

30 mm
40 mm
50 mm
55 mm

[1] applicable for fine grain size requirements for Inconel 718 (coarsest grain size structure ASTM = 5,0 and finer) resp. for bar length > 3000 mm

[2] applicable for standard grain size requirements



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