



## COLD-DRAWN BAR (coil2bar)

### Cold-drawn bars in proven voestalpine Wire Technology quality

Our cold-drawn bar steels impress with their extremely tight tolerances in terms of dimensions, strength, and hardness. These properties make them the ideal starting material for precision components and excellent surface quality.

Thanks to our integrated production chain – from ore to finished bar – and decades of research in our own testing facilities, we offer tailor-made solutions for the most demanding applications.

### Your advantages at a glance

- » Integrated production in a unique value chain from raw material to end product
- » Highest surface quality and tightest product tolerances
- » Best microstructural properties, high degree of purity, and minimal segregation
- » Individual heat treatment in our own plant

### Typical applications



Connecting elements and precision parts



Gearbox, engine, and chassis components



Precision axles for electric motors

# STANDARD GRADES PER CATEGORY

I. COLD-DRAWN WIRE GRADES							
EN	Material-No.	EN	Material-No.	EN	Material-No.	EN	Material-No.
RFe60	1.1015	C45EC	1.1192	23MnB4	1.5535	20NiCrMo2-2	1.6523
RFe80	1.1014	17B2 / 18B2	1.5502 / 1.5503	30MnVS6	1.1302	34CrNiMo6	1.6582
C4C	1.0303	20MnB4	1.5525	17Cr3	1.7016	30MnB4	1.5526
C8C	1.0213	23B2	1.5508	34Cr4	1.7033	C60S	1.1221
C10C	1.0214	28B2	1.5510	41Cr4	1.7035	C67S	1.1231
C15C	1.0234	33B2	1.5514	16MnCr5	1.7131	32CrB4	1.7076
C15E2C	1.1132	35B2	1.5511	34CrMo4	1.7220	36CrB4	1.7077
C20E2C	1.1152	45B2	1.5513	42CrMo4	1.7225	51CrV4	1.8159
C35EC	1.1172	38B2	1.5515	40CrMoV4-6	1.7711		

  

II. ROLLER BEARING STEEL GRADES			
EN	Material-No.	EN	Material-No.
100Cr6	1.3505	100CrMnSi6-4	1.3520

## TECHNICAL SPECIFICATIONS

### » Surface

- Phosphate-free coating
- Phosphated
- Bright, oil-bright, and light bright
- Tests in accordance with DIN EN 10277

### » Diameter tolerances

- Tightest tolerances according to EN 10278 (h11, h10, h9)
- Customized straightness tolerances

### » Packaging solutions

- Customized tare
- Individual requirements (strapping, labeling, lifting eyes, etc.)
- Corrosion protection packaging
- Seaworthy solution

**State-of-the-art testing technology:** In addition to state-of-the-art chemical, metallographic, and mechanical testing laboratories, we also offer various non-destructive testing technologies to prevent external or internal material defects.

### Our certifications:

EN ISO 9001:2025	IATF 16949
ISO 9001	ISO 17025
ISO 14001	ISO 45001
EMAS III	ISO 50001



Detailed information – including our certificates – can be found in the Download Center on our website at [www.voestalpine.com/wire](http://www.voestalpine.com/wire). Alternatively, you can simply scan the QR code.

### Customized wire solution for demanding applications:

Get in touch with us! Our experts will accompany you from the initial idea to series production:

