

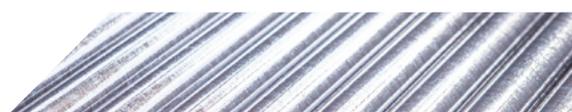


LSV
Lech-Stahl Veredelung



The basis of precise steering is the quality of the blank

Benefit from our
sustainable production chain from melting
of the steel to the round blank



Low-Carb steel from Bavaria for stable processing

L O C A S
LOW-CARB STAHL AUS BAYERN

Our low-carb steel from Bavaria (LOCAS), made from 100% recycled scrap in our own steelworks, offers you consistent quality thanks to batch-pure production.

The blanks are suitable for machining:

- ✓ **Milling**
- ✓ **Turning**
- ✓ **Semi-hot forging**
- ✓ **Forging: D-rack, V-rack**
- ✓ **Gear grinding**
- ✓ **Broaching**
- ✓ **Heat treatment: case hardening, inductive hardening, nitriding**

Low distortion and high stability in straightness with 5µm roundness are characteristic of our blanks with peeled, polished and/or ground surfaces. Our laboratories are of course standard for testing and ensuring the mechanical properties at all three production sites.

Well-known steering manufacturers trust our many years of experience in the production of **blanks for steering racks**. Our portfolio also includes material for **variable toothing**, double-sided toothing (**dual pinion**), **steering pinions**, **worm gears** and **KGT nuts**.

Thanks to our high level of technical expertise, we can show you potential savings in your production process. Together we will say no to overengineering. Our technical customer service team will be happy to advise you directly on site at your production facility, also with regard to material alternatives.

The benchmark of quality: Your requirements on the material

Our range for rack blanks:

	∅ min.	∅ max.	length min.	length max.
Peeling	18 mm	125 mm	3,000 mm	8,000 mm
Grinding short length	20 mm	35 mm	500 mm	1,000 mm
Grinding long length	15 mm	55 mm	3,000 mm	7,200 mm
End machining	18 mm	90 mm	20 mm	2,500 mm

You can find our full range of services on
www.lech-stahlveredelung.de

The following steel grades have proven themselves millions of times in steering systems:
Cf53, C45, C45E, C50, 42CrMo4, 37CrS4 and many more. These are also used in linear technology, engineering industry and drive technology.

Please contact us for joint ratio projects!

Our experts will answer your questions:

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We offer

a broad spectrum of possibilities

- ✓ **Straightening**
- ✓ **Peeling**
- ✓ **Polishing**
- ✓ **Inductive surface hardening**
- ✓ **Heat treatment** (inductive single bar tempering, soft annealing)
- ✓ **Grinding** (tolerance range up to h6 in accordance with DIN EN 10277)
- ✓ **Short piece production**
- ✓ **Friction welding**
- ✓ **Blasting** (blasting media sand and glass)
- ✓ **Deep hole drilling, drilling & internal threading**
- ✓ **End machining** (facing, chamfering, centering, external thread)
- ✓ **Long turning of contours**
- ✓ **Final stress-relieving** (inductive)
- ✓ **Demagnetizing**
- ✓ **Marking**
- ✓ **Preservation & automatic packaging** (e.g. in customer containers)
- ✓ **Internal machining of tube racks**
- ✓ **Modern digitalized, optical surface inspections**
- ✓ **Tactile inline dimensional inspection**
- ✓ **100% inspection** (US, crack & material mix-up inspection)



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