

bj·gear



Gears and racks

Standard or customised solutions • High quality • Expertise and knowledge
Short lead times • Wide range of materials • Special sizes possible

Customisation is our standard

CUSTOMISATION IS OUR STANDARD

Gears and racks for all needs

BJ-Gear is in possession of the competence and capacity to manufacture all types of gear wheels, worms, worm wheels and racks. We are of course also at your disposal with consultancy on the design, dimensioning, choice of materials, hardening technology and surface treatment etc. to ensure your business the best possible overall result.

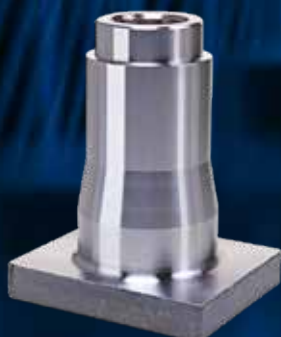


Raw material

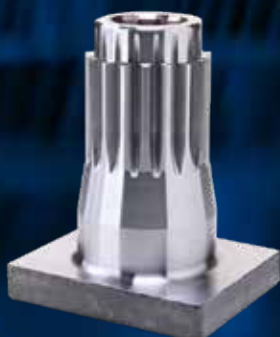


Finished product

Upon request, we manufacture complete products based on your drawings and specifications or complete products from semi-finished products.



Semi manufactured



Finished product

The flexible production machinery allows very short and precise delivery times, even when the products are customized.

The flexibility also means that we are able to produce in smaller numbers for your business.

Technology

Highly qualified employees, the use of 3D CAD / CAM, advanced CNC machining centers, CNC measuring machines and modern robotic technology means that we can offer an efficient, quick and flexible production of a uniformly high quality.

Turning and milling

Turning and milling are made on various CNC lathes, milling machines and machining centers. In addition, we have a large number of slotting and drilling machines, and equipment for broaching.

Gear hobbing

Toothing of the products – external and internal – is mainly made on CNC gear machines.

Hollow and cylindrical grinding

Our CNC grinding machines for hollow, cylindrical and surface grinding ensure that we can comply with specifications and measurements with great precision.

Gear grinding

By using advanced grinding technology and flexible CNC machines, we carry out all types of gear profiles for instance crowning, tapering and tip relief.

Gear measuring

We conduct quality inspections throughout the process and ending with a complete geometric gear measuring on our modern CNC measuring machine Klingenberg P40.

Lean Enterprise - an overall philosophy



Lean

Our Company is driven by means of Lean Enterprise as overall management philosophy. BJ-Gear has put continuous improvements of quality and customer service on top of the agenda.

The goal is to optimize the entire value chain from order to delivery and thus meeting customer demands and expectations even better.



Gear Racks

Gear rack products

- Standard gear racks
- Helical gear racks
- High precision gear racks
- Hexagon gear racks
- Round gear racks
- Rack and pinion

Features and advantages

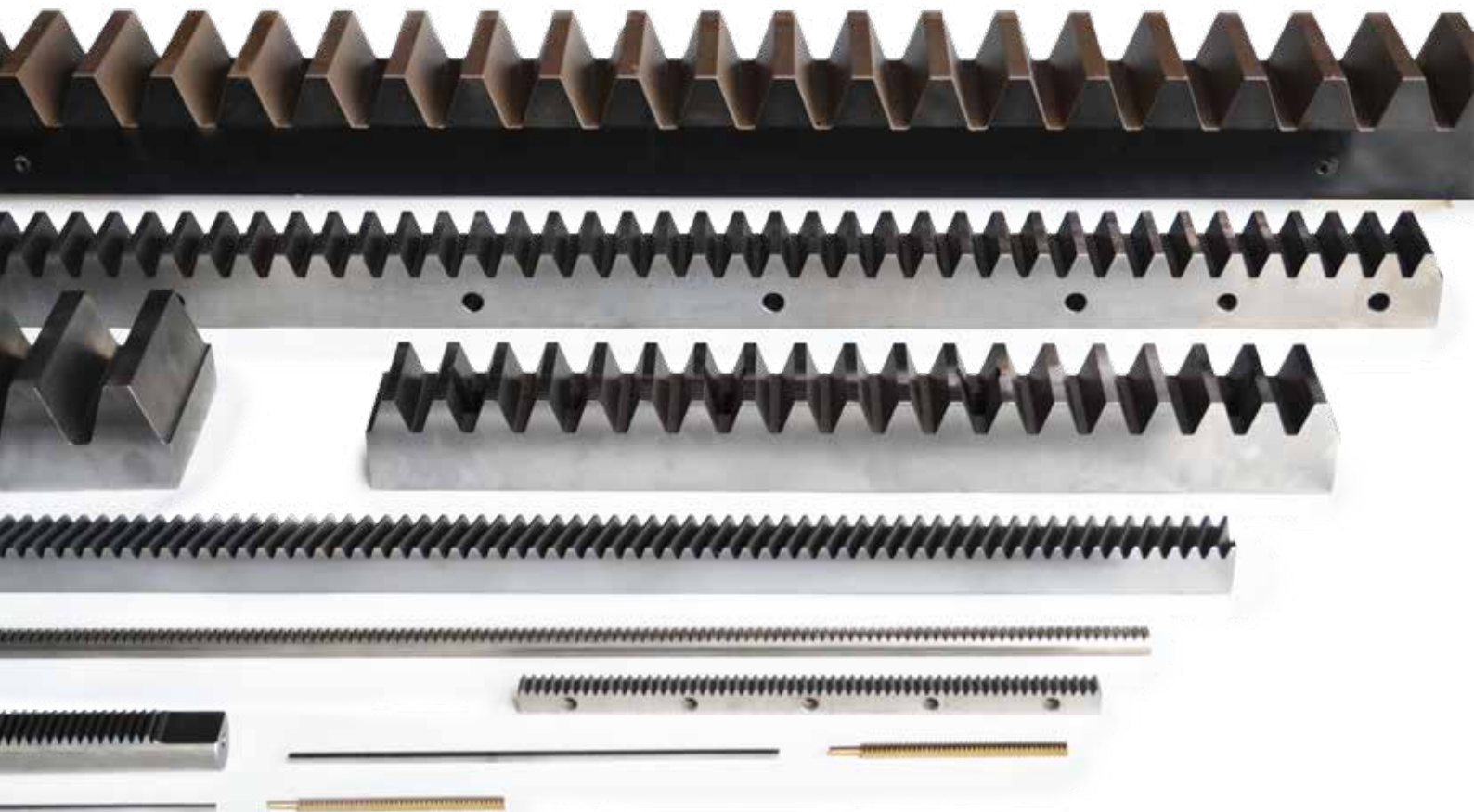
- Machined according to drawings
- Special sizes possible
- Innumerable possibilities for customized specifications like machined ends and bolt holes etc.
- Customized surface treatments
- Hardened and flange grinded designs

Materials

- High grade steel as standard
- High grade stainless steel
- High grade bronze
- High grade brass
- All types of plastic
- Special alloys on request

Data specifications

- Module: 0.5 - 25
- Ø5 - Ø200 mm
- Tooth width up to 240 mm
- Length up to 5 m



Worms and worm wheels

Features and advantages

- Machined according to drawings
- Customized measurements
- DIN 3974 class 5
- Customized surface treatments
- Hardened and flange grinded designs

Materials

- High grade steel as standard
- High grade stainless steel
- High grade bronze
- High grade brass
- All types of plastic
- Special alloys on request

Data specifications

- Module: 0.5 - 12
- Worm wheels: Ø10 - Ø700 mm
- Worms: Ø5 - Ø300 mm
- Worm length up to 1,250 mm



Gear wheels

Gear wheel products

- Spur gears
- Helical gears
- Bevel gears

Features and advantages

- Machined according to drawings
- Special sizes possible
- Innumerable possibilities for customized specifications
- Customized surface treatments
- Hardened and flange grinded designs possible

Materials

- High grade steel as standard
- High grade stainless steel
- High grade bronze
- High grade brass
- All types of plastic
- Special alloys on request

Data specifications

- Module: 0.1 - 16
- Ø5 - Ø700 mm
- Length up to 1,250 mm



Other products

Materials

- High grade steel
- High grade stainless steel
- High grade bronze
- High grade brass
- All types of plastic
- Other materials on request

Internal splines

Module: 0.5 - 8
 Ø5 - Ø300 mm
 DIN 5480/81/82
 ANSI/BS/NF/SIS



Timing belt pulleys

Ø10 - Ø700
 Millimeters, inch, AT and
 HDT type



Spline shafts

Module: 0.5 - 8
 Ø5 - Ø500
 DIN 5461/62/63
 ANSI/BS/NF/SIS
 Length up to
 1,250 mm



Sprocket wheels

Ø5 - Ø700
 All types



Trapezoidal spindles

TR 10 - 140
 DIN 103
 ISO 2901/2902/
 2903/ 2904
 Length up to
 6,000 mm



Trapezoidal nuts

TR 10 - 140
 DIN 103
 ISO 2901/2902/2903/
 2904





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