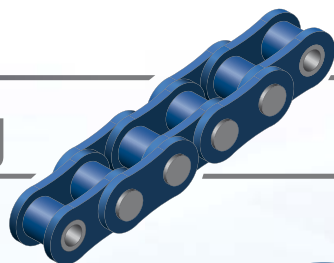


MoraviaŘetězy



Chains



Sprockets



Gears and racks



Timing pulleys
Timing belts



Custom
metalworking



Additional
assortment

**Czech
Manufacturer of Chain
and Gear Drives**

MORAVIA ŘETĚZY a.s.

Czech Manufacturer of Chain and Gear Drives

We are a Czech manufacturer and supplier of extensive assortment of power transmission products. We offer our customers more than 15 years of experiences in the field of specialised engineering products, which we supply to the market under our MR brand.

In the beginning, we focused on trade, metalworking, and special chain production. Later on, we expanded our activities through the production of gear transmissions, custom chains, and other conveyor system components.

We currently supply the Czech and European markets with our drive transmission elements that fulfil the strictest quality specifications.

Our company operations are running in 3 major production lines:

- **Chain Drives Production**

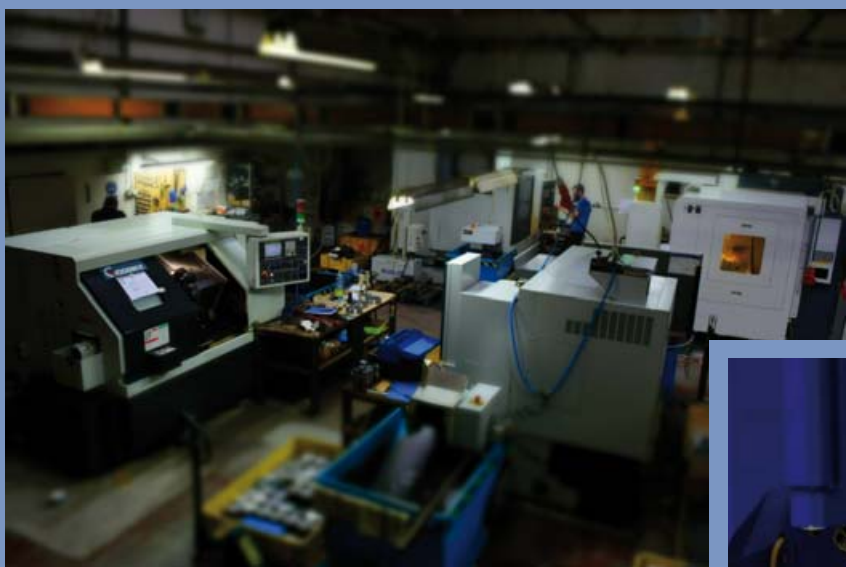
Mainly production of conveyor chains, roller chains, gall chains and other special chains, and sprockets of various designs.

- **Gear Drives Production**

Production of racks, gears and timing pulleys.

- **Custom Metalworking**

Thanks to our own extensive technological equipment, we are capable of solving customer requirements per their original drawings. Our special engineering products mainly include various steel parts, for example, wheels and rollers, shafts, drive housings, spacer rings, hydraulic and transport system components, and much more.



Chains

We manufacture and supply a broad spectrum of industrial chains for various industrial applications. Our production procedure and quality of chains meet the international standards (ISO, DIN, BS, ANSI).

Our major assortment includes conveyor chains, roller chains and low-speed bush (transmission) chains; however, we also supply gall chains, leaf chains, and agricultural chains. Apart from the standard chains, we are also capable of manufacturing specific design chains per the customer special requirements for various industrial applications.

All the types of standard chains may be also manufactured in galvanised modifications (nickel-plated, galvanised). The quality of our chains is also demonstrated by the interest of our customers and long-term satisfaction with the quality of our chains in the markets worldwide.

Our chain offering:

Roller chains

- B series – EU standards
- A series – ANSI standards
- Heavy duty roller chains
- Straight side plate roller chains
- Stainless steel chains
- Nickel plated chains
- Double pitch chains
- Hollow pins chains
- Special chains with attachments
- Special chains with “U” and rubber elements
- Accumulation chains
- Side-bow chains

Conveyor chains

- Metric chains
- Imperial chains
- Chains with attachments
- Scraper chains
- Gall chains
- Leaf chains
- Agricultural chains
- Low speed bush chains



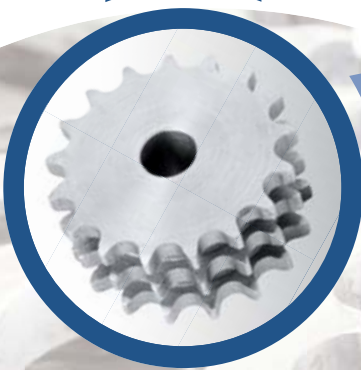
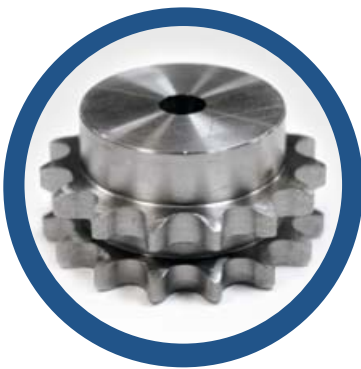
Sprockets

Sprockets and chains make up a functional chain drive unit and for this reason, they are made per strict standards. The mutual compatibility and high quality standard of the chain and sprocket are fundamental factors of excellent functionality and long service life of the entire chain drive.

We also supply adequate sprockets for all the offered chains. Our sprockets differ according to the type of drive and number of teeth, including the materials used to make the sprockets. Upon request, we make and supply sprockets according to the customer's own drawings, including stainless steel or other surface finish sprockets. We inductively harden steel sprockets directly at our production plant.

Our product line includes:

- Pilot bore sprockets
- Pilot bore plate wheels
- Taper bore sprockets
- Idler sprockets
- Pilot bore double simplex sprockets
- Special standards (hardened execution)
- Special sprockets production per the customer requirements



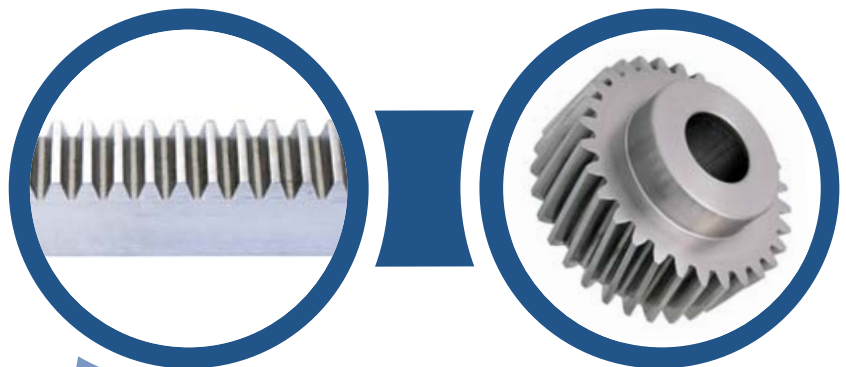
Gear Drives

Racks, gears, and bevel gears represent the other elements necessary to transmit the torque and mechanical energy from one gear segment to another.

The use of gear segments is very broadly applied in multiple fields, not only in industrial applications. The gear segment material is mostly steel or stainless steel; however, other suitable materials requested by our customers may be used as well. Within the scope of custom production, we manufacture gear segments both per drawings and outside our standard production program.

Cogwheels

We offer spur gears (cogwheels) with straight and helical tooth profile up to the 3,200 mm diameter with potential induction hardening. We also offer custom-made gears per the customers' drawings in the M1-M20 modules.



Racks

We make racks with straight and helical tooth profile up to the 3,000 mm length in the M1 – M20 modules.



Bevel gears

We offer spur bevel gears in the A and B type designed and ratios ranging from 1:1 to 1:4, in the M1-M5 modules. We supply our gear sets in pairs or individually. They feature standard drilled holes.



Timing pulleys

Our production is mainly focused on T-type timing pulleys (T-belt profile), HTD (M-belt profile), AT (AT-belt profile) and CTB (L, HL, H, XH-belt profiles). However, we offer a complete range of timing pulleys and shafts to our customers, especially units custom-made per the customer drawings. Our pulleys are to be used with all the types of timing belts. The pulley design may be full hub (with/without pre-drilled hole) and with a hole for the Taper Lock bushing. Our pulley materials are mainly steel, phosphate cast iron, and aluminium alloy. As additional service, we press the pulley sides to the desired thickness. We balance the pulleys upon the customer request.



Special Production Program and Custom Production

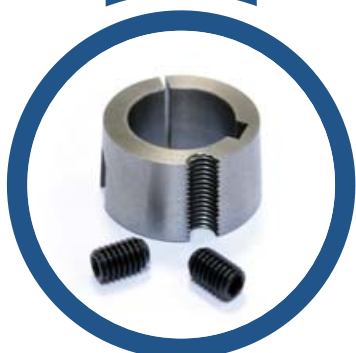
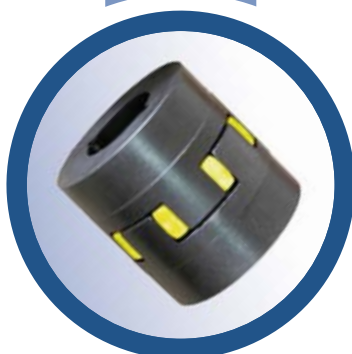
Thanks to our production capacities and diverse composition of our production machines, we are able to offer not only our standard products, but also other steel and plastic parts according to the special requirements of our customers. Our special program particularly comprises starter drive housings, steel traverse wheels and pulleys, distance rings and other components for Czech and foreign manufacturers of conveyor systems, hydraulic systems, and automotive parts.



Within custom production, we may offer various rotating steel elements, conveyor systems elements based on metalworking, special chain and gear drives, timing pulleys a various types of shafts per the customer requirements and other special parts per the customer's drawings.

Additional Power Transmission Assortment

We supplement our chain and gear transmissions with additional product lines and accessories for power transmissions, by which we provide our customers with the best possible quality/price ratio.



Belt drives:

- Neoprene timing belts
- PUR timing belts
- V-belts with ground sides
- Textile wrapped V-belts
- Taper Lock V-belts
- Variable V-belts
- Poly-V-belt pulleys
- Timing belts in metre lengths
- Welded timing belts
- Timing belts with surface layers
- Timing belts with attachments
- Special design belts

Gear accessories:

- Plastic chain guides
- Chain and belt tensioners

Shaft fixings:

- Couplings
- Shaftlocks
- Taper Lock fixings
- Weld-on hubs
- Torque limiters

Bearings

- Ball bearings
- Taper bearings
- Bearing units
- Take-up units





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