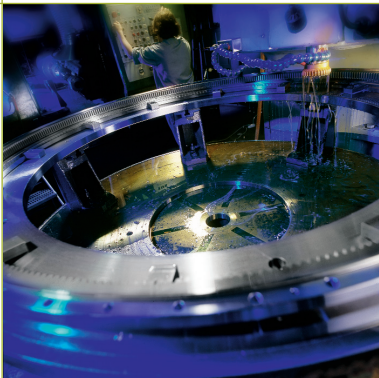




### Spur gears / helical gears

– 0.5-40 Module – Maximum diameter Ø 3200 mm

We produce spur gears by using the gear hobbing or gearshaping methods. The module span is from 0.5 to 40. We can provide gearcutting with pressure angles of 20 or 15 degrees. In addition, we have many gear tools that comply with English and American standards (DP / CP). The largest diameter, we can cut is 3200 mm. Following the hardening, we offer the option of flank grinding of the gear teeth. The largest diameter we can grind using this process is of 650 mm.



### Internal gearcutting

– Maximum diameter Ø 2600 mm

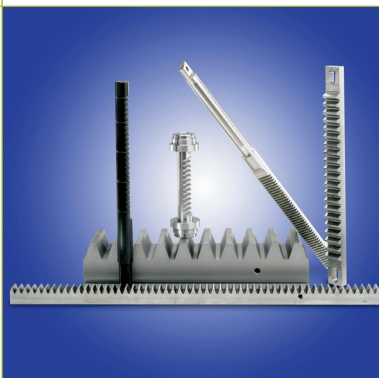
We carry out gearcutting by the gearshaping method on blanks up to a diameter of 1500 mm. For gears with a diameter exceeding 1500 mm, we cut by single indexing milling. The range of modules is from 1.0 to 12 (20) Module. The largest diameter can cut using this process is of 2600 mm.



### Worms / worm wheels

– 1-20 Module

We produce worms by means of milling and subsequent flank grinding where required. The worm wheels are produced by means of gear hobbing or tangential cutting with a blade. The module span is from 1.0 to 20 Module.



### Racks

– Gearcutting of up to 3000 mm lengths in one set-up

We mill racks on a CNC milling machine. The maximum length we can cut in one clamping is 3000 mm. We produce straight teeth or helical teeth with an angle up to 45 degrees to the left or right. The largest tooth width is 240 mm. The module span is from 1.0 to 25 Module. We also produce racks with irregular divisions.



*Since 1994, we have been DS/ISO 9001 certified.  
We offer to carry out all types of heat and surface treatment.  
Where required, we carry out documented final inspection.  
We offer measuring of subjects and supplying drawings including  
CAD drawings.*

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### Belt pulleys

– Inch, millimetre, AT and HTD division

We produce belt pulleys by using the gear hobbing or gear-shaping methods. We have gear tools with the pitches: mm – inch – HTD – AT. The maximum diameter we can cut is 3200 mm.



### Splined bushings /-shafts

– DIN – SAE – BS

We produce internal and external splined bushings /-shafts by means of gear hobbing or gear-shaping. The module span at DIN 5480/5482 is from 0.8 to 8.0. The cutting is carried out in compliance with DIN – BS – SIS or from samples. We produce our own slotting tools for processing internal splines. Maximum length of splined shafts is 5000 mm.



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### **Straight bevel gears**

– 1-20 module – Maximum diameter  $\varnothing$  980 mm

We produce straight bevel gears by means of hobbing or planing on WMW Module or Gleason machines. The largest diameter we can cut is 980 mm. The module span is from 1.0 to 20 Module. Moreover, we have many gear tools for Diametric Pitch.



### **Spiral bevel gears**

– Klingelberg system

We produce spiral bevel gears after Klingelberg's Palloid system. The machining is carried out as a hobbing process by means of a special conic-shaped tool. We have a Klingelberg calculation programme and so we can often convert other toothing systems to Klingelberg. The module span is from 2.0 to 6.5 Module. The maximum diameter we can cut using this process is 540 mm.



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### Chain wheels

We produce chain wheels by using the gear hobbing or gearshaping methods. We have the tools for divisions up to 4.5" as well as wheels for silent chains. The maximum diameter we can cut is 3200 mm. We also produce two-piece chain wheels.



### Conveyor sprockets

We produce all types of conveyor sprockets by means of single indexing milling. We have gear tools for many different pitches and roller diameters. The maximum diameter we can cut is 3200 mm. We also produce two-piece conveyor sprockets.



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