

MANY CUSTOMERS PUT THEIR TRUST IN STIEBER.



STIEBER

Stieber was founded in Munich in 1937 and is now a medium-sized company employing 140 people at its locations in Heidelberg and Garching near Munich.

Our core business activity is the design and production of drive elements for mechanical engineering systems. Our major strength is the development and production of overrunning clutches and backstops, which transmit torque by means of friction.

Stieber can reflect on numerous innovative developments during the course of the company's history innovations that have made it the European market leader. Stieber proved its technical ability once again during the development and design of the largest backstop in the world, for example. This and other backstops are being successfully used even under the toughest of conditions.

Stieber, part of the Altra Industrial Motion Group is – together with its sister companies Formspag and Marland in the USA – the world's market leader for overrunning clutches and backstops.

Our extensive world-wide service network including more than 1000 stocking distributors and technical centres ensures we are always close to the customers.

Our company philosophy is total customer satisfaction. To achieve this, our processes undergo continual refinement.

Stieber has been certified according to DIN EN ISO 9001 since 1997 and according to ISO 14001 (environment management system) since the year 2000. In addition, an internal monitoring process ensures that quality, timeliness and costs are always to the fore.

ALTRA INDUSTRIAL MOTION

Altra is a leading multinational designer, producer and marketer of a wide range of mechanical power transmission products. We sell our products in over 70 countries throughout the world. Our products are frequently used in critical applications, such as fail-safe brakes for elevators, wheelchairs and forklifts, and in high-volume manufacturing processes, where the reliability and accuracy of our products are critical in both avoiding costly down time and enhancing the overall efficiency of manufacturing operations.

Our products are marketed under a variety of well recognized and established manufacturing brand names. These leading brands are Ameridrives, Bauer Gear Motor, Bibby Turboflex, Boston Gear, Delroyd Worm Gear, Formspag Clutch, Guardian Couplings, Huco, Industrial Clutch, Inertia Dynamics, Kilian, Lamiflex Couplings, Marland Clutch, Matrix, Nuttall Gear, Stieber, Stromag, Svendborg Brakes, TB Wood's, Twiflex, Warner Electric, Warner Linear and Wichita Clutch.

Visit us on the web

WWW.STIEBERCLUTCH.COM

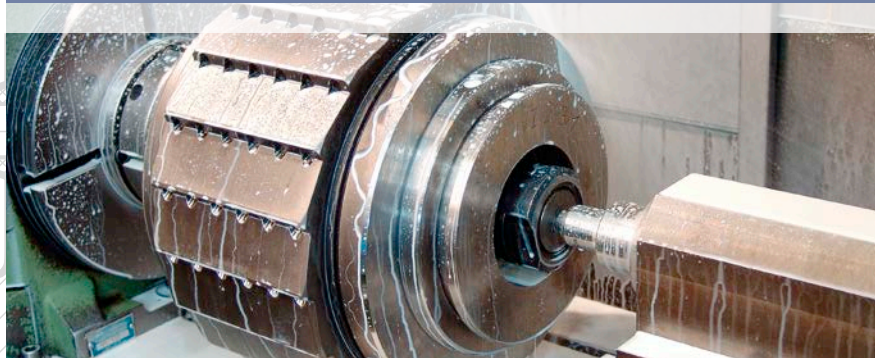
*Conveyor Belts
Coal Crushing Equipment
Pumps
Rolling Mills
Seed Drilling Machines
Rotary Furnaces
Silos
Ventilators
Forming Machines
Print Machinery
Engine Test Benches*

*Car Washing Systems
Ball Presses
Roller Costers
Textile Machines
High-Voltage Switchgear
Fitness Equipment
Winches
Clay Pigeon Traps
Automotive Industry
Aerospace
Power Station Technology*



The Company

STIEBER: COMPETENCE IS OUR STRENGTH.



INNOVATIVE: DEVELOPMENT

Throughout its long history Stieber has been familiar with all types of freewheel designs such as roller and sprag variants and consistently led the way in developing new designs and technologies. We have an unmatched ability in the field of overrunning clutches, built on the long experience of our team of qualified engineers and always seeking the best answers in design and manufacture. Alongside a continuous program of product development unique solutions have been found over the years including:

- Encased overrunning clutches lubricated and cooled by internal oil circulation without the need for a pump.
- Overrunning clutches that may be disengaged either manually or pneumatically.
- Irreversible locks. A novel adaptation of the freewheel principle

and more than 4,000 special designs developed for specific customer requirements. We can supply anything from 0.8 to 1.7 million Nm so you can be sure of finding the best solution, whatever the application.

ACCURATE: PRODUCTION

Standard products and customer-specific items are produced according to the latest techniques and quality requirements in our two manufacturing plants. Our skilled and experienced workforce take every care to deliver to you a reliable, quality product. Our commitment to continuous improvement ensures that our systems and

processes are constantly under review. Over the past few years this has led to a 30% time saving in manufacture, for example. The assembly and warehouse departments control stock and material flow using a Kanban system to ensure the correct availability of standard parts and on-time delivery to you the customer. If you buy your freewheels from Stieber you can be sure of the best in quality and reliability for you and your customers guaranteed.

TRADEMARK: QUALITY

Total quality is assured both by meeting prescribed product performance specifications and thanks to the reliability of manufacturing methods and process workflows including integrated tests. The key technical data of Stieber products are either calculated using FVA* methods and/or verified on our test benches.

We have test machines with a torque capacity of up to 700.000 Nm. During idling, units with a bore up to 600 mm can be tested at speeds of up to 1.500 rpm. The modern equipment in our quality department allows us to carry out all the necessary tests ourselves.

* Power Transmission Research Association