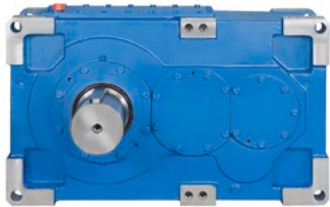
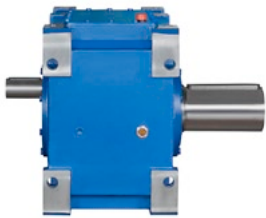
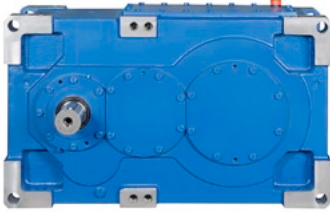


H-TEC industrial gears

Guaranteed precision

BENEFITS AT A SINGLE GLANCE

The industry can cover its entire gear demand with Koellmann gears. Best standardisation from compact, one-piece universal housings with maximum flexibility in builds, connections and accessories are characteristic for the H-TEC industrial flat gears. The gears may be customised to any individual requirement.



GEARS

- ▶ Modular gear system
- ▶ One-part and twist-proof gear housings
- ▶ Axis distance of 2- and 3-stage gears is the same
- ▶ Universal installation positions
- ▶ Flexible adjustment to customer-specific requirements
- ▶ High performance density from low size steps

LUBRICATION MONITORING

- ▶ Temperature monitoring
- ▶ Flow rate monitoring
- ▶ Pressure monitoring
- ▶ Oil filter
- ▶ Level monitoring
- ▶ Particle monitoring
- ▶ Oil condition monitoring

COOLING

- ▶ Integrated cooling coil
- ▶ External heat exchanger

LUBRICATION

- ▶ Submersion lubrication
- ▶ Forced-feed lubrication

INPUT

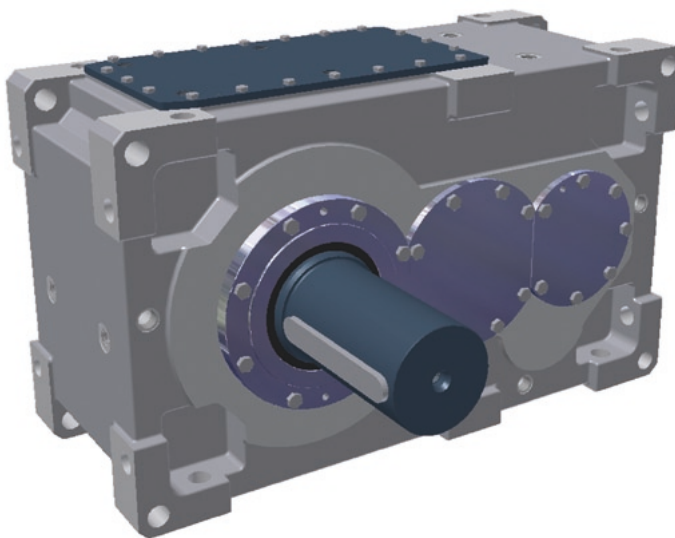
- ▶ Elastic coupling
- ▶ V-belt operation
- ▶ Motor lantern for attachment of a flange motor
- ▶ Motor base
- ▶ Direct input through hollow shaft optional

OUTPUT

- ▶ Full shaft
- ▶ Hollow shaft

TECHNICAL DATA

- ▶ 14 Sizes
- ▶ Rated output torque of 5,000 to 300,000 Nm, special design upon coordination
- ▶ Rated output speed up to 3,000 rpm
- ▶ Transmission as of $i = 7$
- ▶ 2- and 3-stage design
- ▶ Monoblock housing in ferrocast



STANDARD FOR BEST QUALITY

Koellmann Gear has been synonymous for products meeting the highest demands since 1904. As a business area of Thielenhaus Technologies GmbH, we connect today's innovation with long-term experience. We are always able to set the highest standards to serve our customers, as proven by the many Koellmann gears used around the world.

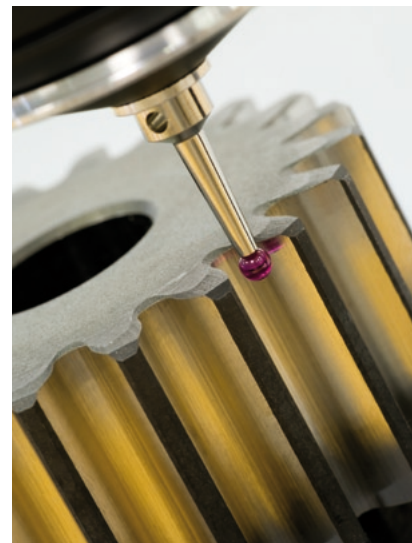
The two- and three-stage design in one housing construction permits particularly flexible machine use. The diagonal interlocks – produced noise- and performance-optimised – warrant low sound pressure levels and higher efficiencies. A stiff monoblock housing construction permits compensation and implementation of highest strain.



CLAIM TO TOP TECHNOLOGY

Gear solutions by Koellmann Gear are deemed the best on the market. This high quality claim, which is a central part of the product philosophy, pays off for the customer. Koellmann gears have a statistic failure rate below one percent.

If interference occurs anyway, comprehensive and flexible service is available around the clock.

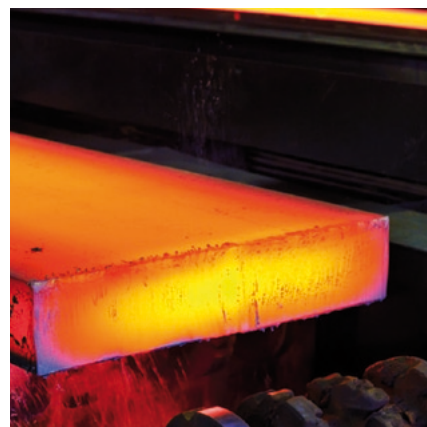


APPLICATIONS

With H-TEC industrial gears, the industry may cover the entire bandwidth of its demand, since the gears can be flexibly customised to any demand.

- ▶ Mixing and agitator technology
- ▶ Chemical industry
- ▶ Rolling and industrial furnaces
- ▶ Steel industry
(rolling plants, straightening facilities, drawing plants, forming plants)
- ▶ Conveyor technology
- ▶ Mining
- ▶ Jar plants
- ▶ Crane facilities and lifting gear
- ▶ Pumps
- ▶ Paper industry
- ▶ Recycling industry (shredders, crushers, breakers)

H-TEC industrial gears have been specifically developed for industrial applications. The compact build with a high performance density and long service life has been reconciled economically in this. Additionally, Continuous Improvement ensures that even smallest errors are analysed at once and the corresponding measures are initiated at Koellmann Gear to prevent recurring in future.



GLOBAL SERVICE

The special strengths of Koellmann Gear include comprehensive service for gears. The works customer service offers periodic maintenance as well as quick and unbureaucratic help in case of damage. A perfectly trained service team permits short times to reaction and global installer deployments.



PERFORMANCE RANGE

- ▶ Technical support (solutions for lubrication, cooling, monitoring components, changes to the technical data)
- ▶ Preventive maintenance (e.g. visual assessment / endoscopy, frequency analysis, oil analysis)
- ▶ Damage assessment (assessment / measurement of all components)
- ▶ Repairs, general overhauls (also for third-party gears)
- ▶ Replacement deliveries (continuous supply of interlocks, roller bearings, cooling coils, heat exchangers, motor pumps and other wear and standard parts)
- ▶ Training (for sale, construction and maintenance)



24-hour service hotline
+ 49 (0)2 02 / 4 81- 1 10
service@koellmann-gear.com



Koellmann Gear Corporation

8 Industrial Park
Waldwick, NJ 07463 U.S.A.
Phone: +1 (201) 447 0200
Fax: +1 (201) 447 6595
E-Mail: info@koellmann.com
www.koellmann.com



Division Koellmann Gear
Thielenhaus Technologies GmbH

Schwesterstraße 50
42285 Wuppertal, Germany
Phone: +49 (0) 2 02 4 81 0
Fax: +49 (0)2 02 4 81 296
E-Mail: info@koellmann-gear.com
www.koellmann-gear.com



Division Koellmann Gear
Thielenhaus Machinery (Shanghai) Co., Ltd

Jiangtian Dong Lu 212, building 7
Songjiang Industrial Zone
201613 Shanghai, P.R. China
Phone: +86 (21) 67 75 31 58
Fax: +86 (21) 33 52 87 67
E-Mail: info@thielenhaus.cn
www.thielenhaus.cn

