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**KOBO**  
The Chain People

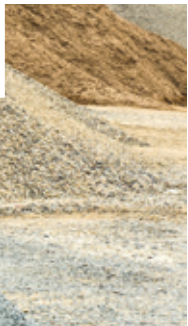
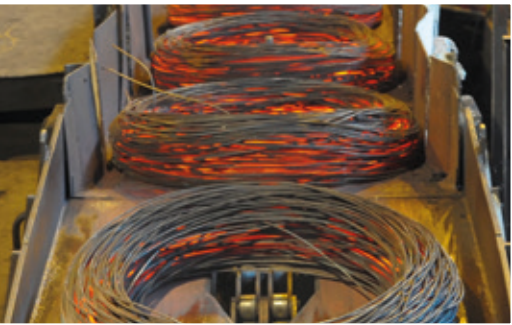
Hand in hand with the **BULK HANDLING INDUSTRY**





MEETING REQUIREMENTS  
EXCEEDING EXPECTATIONS

WE MOVE YOUR BUSINESS



WE ARE A COMPETENT PARTNER TO THE BULK HANDLING INDUSTRY.

KOBO chains are famous for their specific quality. They are used in various applications.

In the cement industry:  
clinker • clinker dust • gypsum • marl • clay  
cement • limestone

In the mining industry:  
coal • ore • crushed rock • limestone • slate

In the energy industry:  
biomass • coal • bed ash

In the paper industry:  
wood • wood chips

In automotive and metal processing industries:  
scrap metal and punching waste

Further industries where KOBO products are used:  
transportation of granulate in the fertilizer industry  
and of many materials in the plastic molding industry

The requirements of the bulk handling industry are very particular. For decades KOBO has worked with international OEMs to develop special solutions for various applications. For the transportation of coarse or fine grained material as well as loose material with corrosive or abrasive characteristics.

We develop optimized chains and sprockets as well as a broad range of attachments.

INDUSTRY SPECIFIC SOLUTIONS FROM KOBO.

We develop and manufacture:

- reclaimer chains
- bucket elevator chains and buckets
- pan conveyor chains, rollers and pans
- as well as sprockets and traction wheels for almost all applications in the bulk handling industry



Since 1894 KOBO has been the name for top-class chain technology. Our high quality standards, constant innovation, state-of-the-art manufacturing, and attention to product safety have made KOBO a leading supplier of chains and sprockets. Today KOBO specialists work around the globe to provide effective and innovative solutions:

We are: “The Chain People”.



KOBO Industrial Park Germany

A COLLABORATION THAT WORKS.

Strategic thinking, pragmatic acting, and a distinctive understanding of the requirements in the industry have created our brand. Our chains are well known for their extended lifetime, optimized bearing pressure characteristics, and low friction coefficients – resulting in maximum productivity.

BEST IN CLASS SOLUTIONS AND FIRST CLASS SERVICE.

KOBO is acting globally. With know-how, experience, top-quality customer service, we create competitive advantages for our customers. Every project is a new challenge. We work hand in hand with our customers to make out the specific requirements and to provide the best solutions for each project. Besides chains and sprockets, KOBO manufactures attachments, special rollers, buckets as well as pans and single components for specific drive and conveyor solutions.

How can we support you?



100

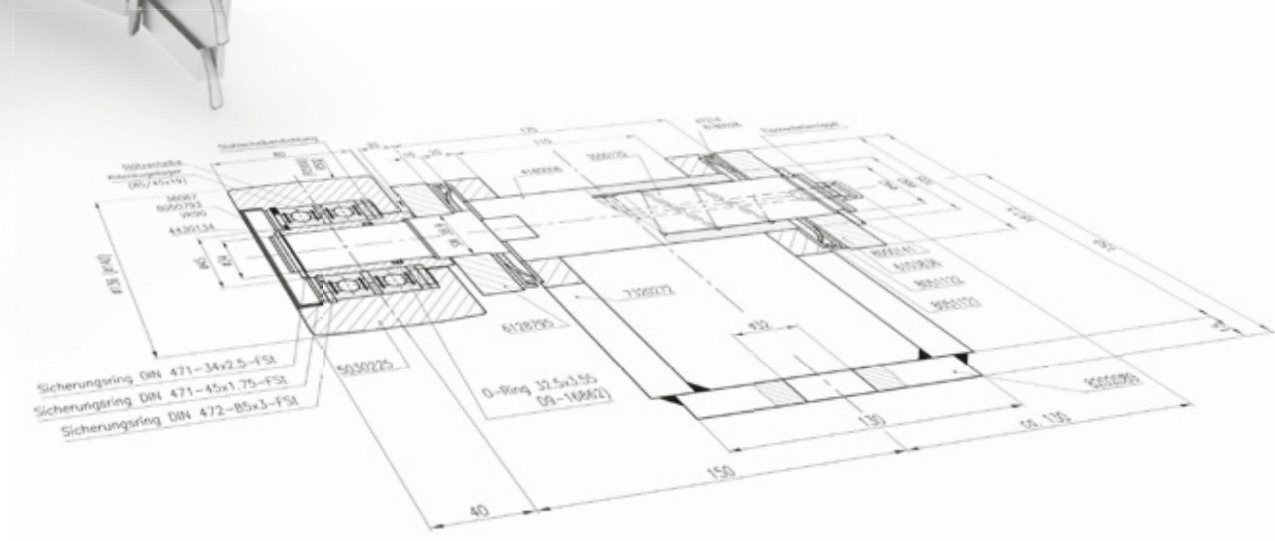
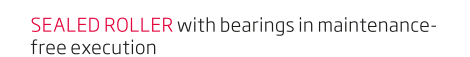
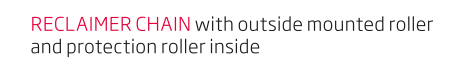


KOBO designs and manufactures standard and custom-made reclaimer chains for the bulk handling industry. Chains with bent or welded attachment, with inner or outer roller, in lubed or maintenance-free execution – KOBO consults with the customer for the optimal chain design. We provide 120 years of chain experience.



Almost all chain designs can also be manufactured in maintenance-free execution on request.

The advantage is that the seal keeps a stable grease paste in the chain link, which extends the service life considerably. In addition, KOBO is able to offer a wide variety of material combinations and coatings for our customers and thus to minimize wear and to extend the chain life.





# BUCKET ELEVATORS

MOVING ON UP - WITH HIGHEST QUALITY



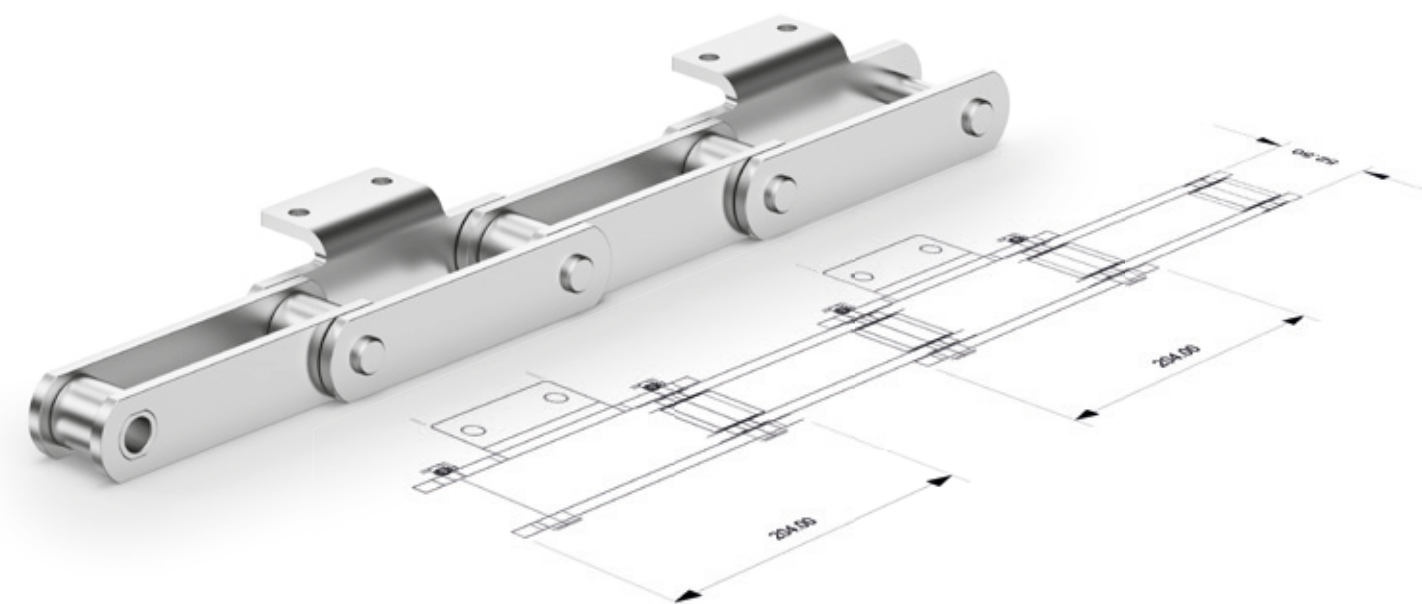
## INCREASING PRODUCTION. RAISING OUTPUT.

Bucket elevators are used for vertical transportation of bulk material. Abrasive, coarse or hot materials require the highest wear resistance in the chains. Therefore bucket elevators are designed with a center or a double-strand chain system.

KOBO's bucket elevator chains meet the highest standards in wear resistance and fatigue strength. Chains are designed and manufactured with welded, bent or forged attachments.



Double-strand bucket elevator chain assembly with bucket



Areas of operation:

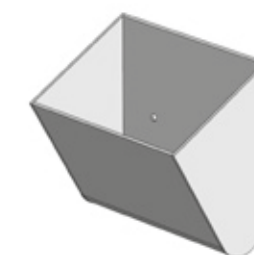
cement mills

asphalt mixing plants

limestone quarries

steel plants

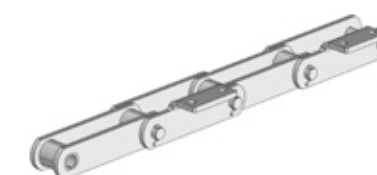
and many more



**BUCKET ELEVATOR**  
We supply various types of buckets - custom-made for your individual approach

## AIMING HIGH - AND HIGHLY INDIVIDUAL.

KOBO's high performance bucket elevator chains are custom-made and designed according to the specific working environment. The interaction between chain and bucket is important for the lifetime of the system. Therefore KOBO manufactures the buckets as well. Special designs and custom-made products are developed between the customer and KOBO's engineering team.

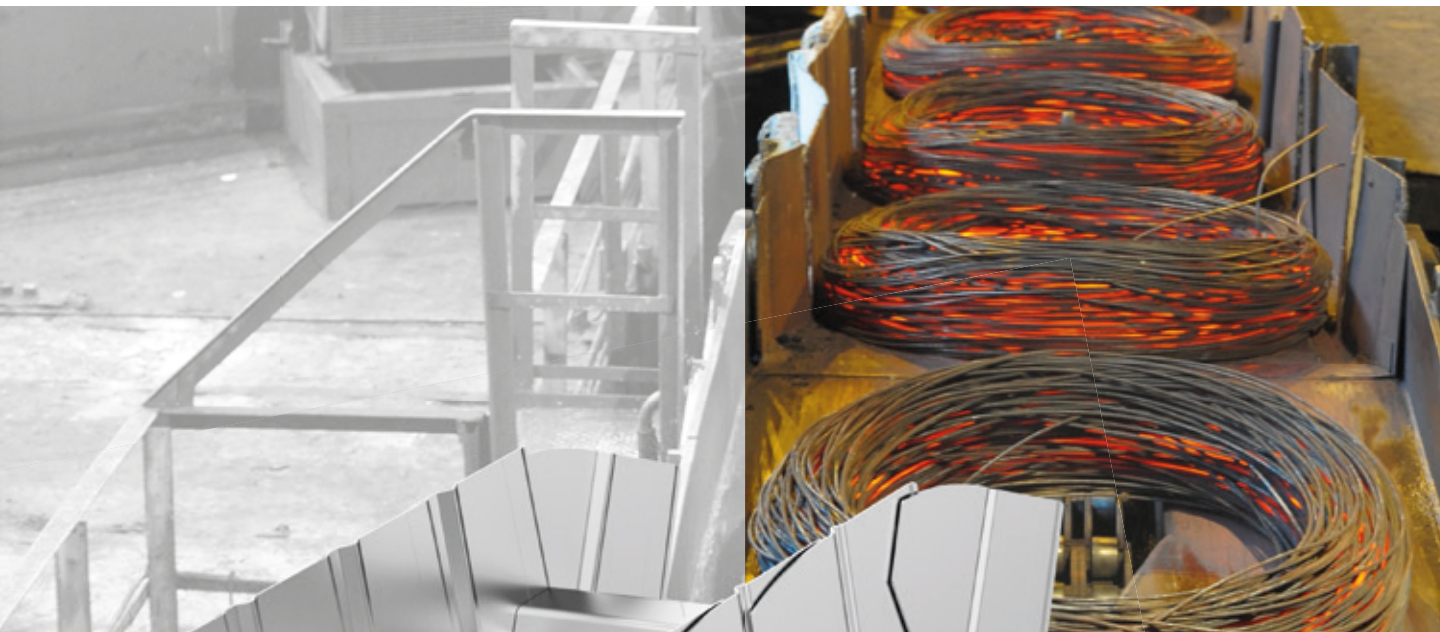


**BUCKET ELEVATOR CHAIN** with protection roller, head pin, and attachments on every outer link

## PAN CONVEYORS

EXTREMELY RELIABLE

EVEN UNDER HARDEST CONDITIONS



### COPING WELL WITH HIGH STRESS SITUATIONS.

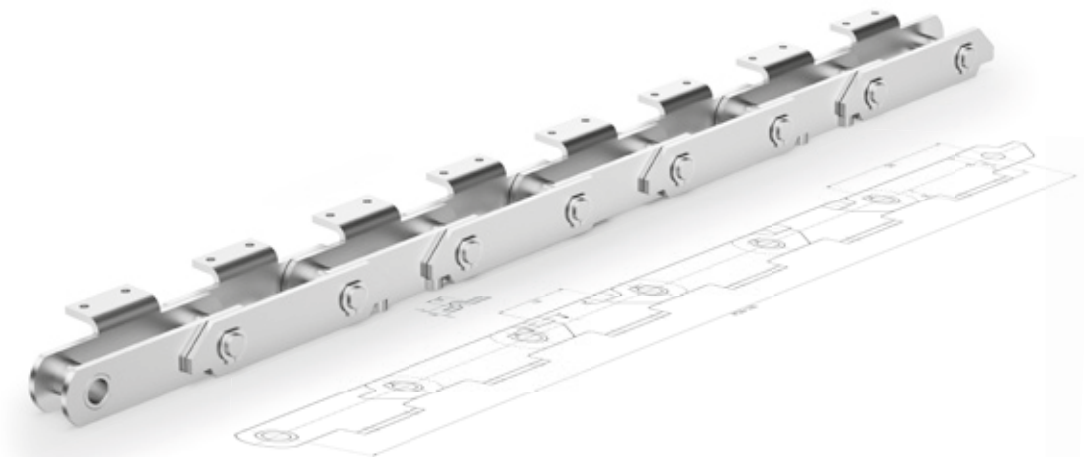
The requirements on pan conveyor cells are extremely high. In general, they are exposed to high shock loads and high forces. The special Kobo quality provides a competitive advantage. Most of our pans consist of three units that are optimally adapted by our experts to your needs.

chain with one- or double-bent attachment,  
single or double strand

steel

rollers mounted on pan

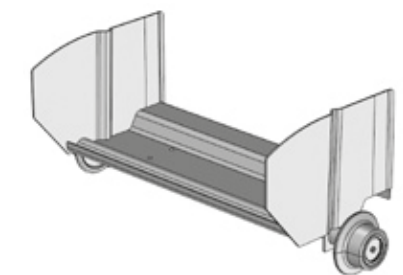
Double-strand pan conveyor chain with  
pans and flanged roller



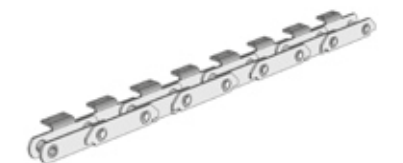
### DETAILS THAT CREATE VALUE.

The correct choice of materials contributes to high load capacity and long service life. The chain pitches usually are 160, 250 or 315mm. The chains can be made in non-back-bending execution.

Using outboard rollers on the pans, the material can be transported safely and reliably. Our roller options, can be realized as normal or flanged rollers.



STEEL PAN in roller carrying execution



CHAIN in non-back bending execution



FLANGED ROLLER with bearings in maintenance-free execution

Typical areas of application for pan conveyors are:

silo feeding

hot material

cement clinker

limestone

dirt and gravel

coke

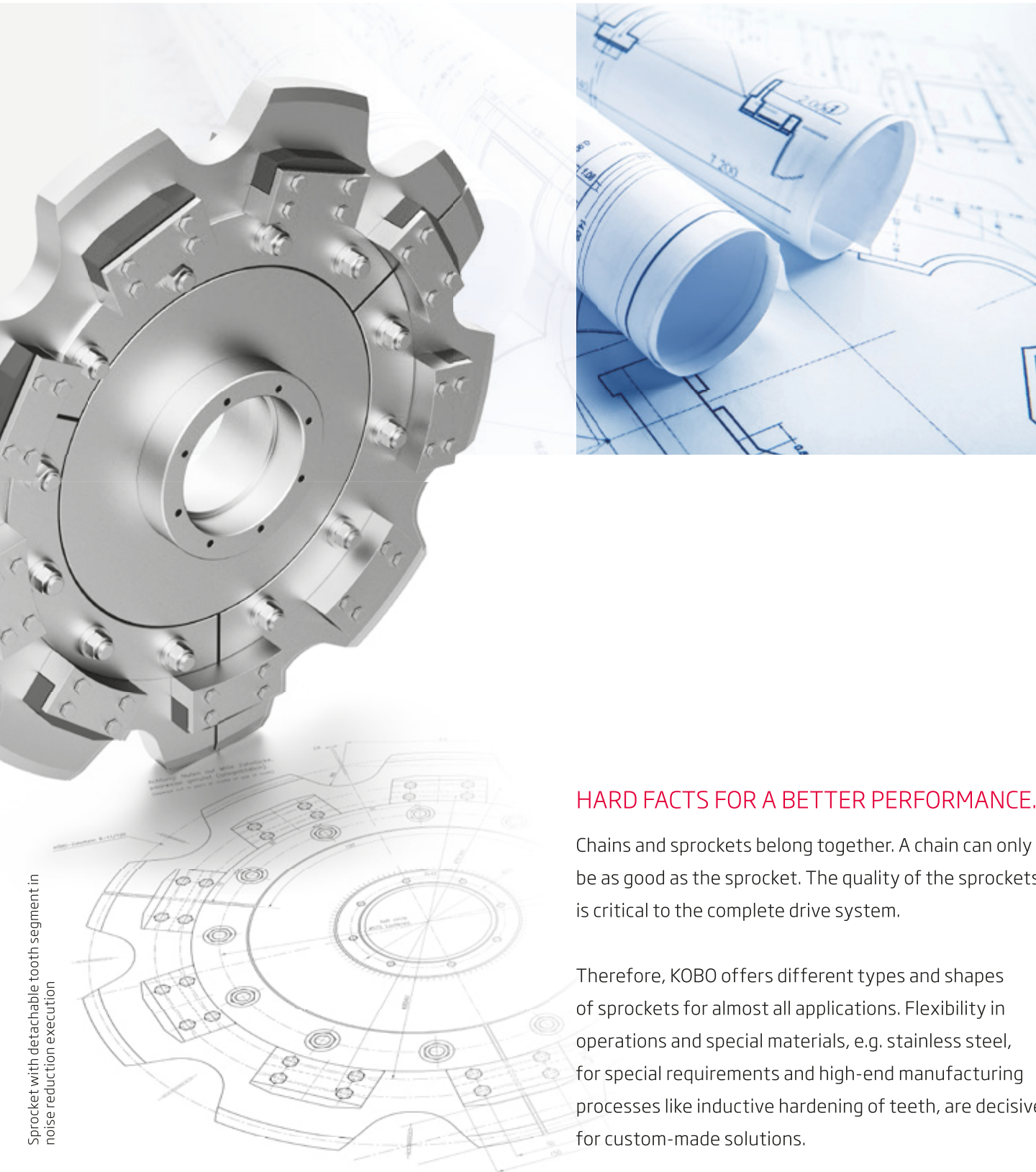
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# SPROCKETS

SETTING YOUR BUSINESS IN MOTION

AND IT MOVES ON



## HARD FACTS FOR A BETTER PERFORMANCE.

Chains and sprockets belong together. A chain can only be as good as the sprocket. The quality of the sprockets is critical to the complete drive system.

Therefore, KOB0 offers different types and shapes of sprockets for almost all applications. Flexibility in operations and special materials, e.g. stainless steel, for special requirements and high-end manufacturing processes like inductive hardening of teeth, are decisive for custom-made solutions.

Drive sprocket



Split sprocket



## SIMPLY MAKING MORE POSSIBLE.

KOB0 manufactures single, duplex or triplex sprockets up to a diameter of 5.5ft. Standard sprockets, custom-designed sprockets for engineered chains as well as sprockets for roller chains are part of our portfolio.

KOB0'S sprocket features:

- sprockets with hub on one side or both sides
- sprockets with welded on hub
- sprockets with keyway
- sprockets with thread holes for adjusting screws
- sprockets with grooves for dirt-releasing notches
- sprockets with increased tooth gap clearance
- sprockets with segmental rims
- sprockets with induction hardened teeth



Our customers can rely on us:  
KOB0 is certified acc to DIN EN ISO 9001:2008