

Chains and Sprockets for the Steel and Aluminum Industries



Products for the entire processing in the steel and aluminum industries

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The KettenWulf Group







The main factory in Kückelheim not only houses the company headquarters, but also the KettenWulf Competence Centers. This provides world-wide support for customers in all technical issues.

KettenWulf was founded in Kückelheim, Germany, in 1925. Thanks to powerful economic growth in the second half of the 20th century, the company developed from a small sized factory into a leading brand producer of chains and sprockets.

Today, the KettenWulf Group, with production facilities in Europe and Asia, is a market leader and one of Europe's largest producers of conveyor chains, roller chains and sprockets. More than 1200 employees develop, produce and market tailor-made conveyor and drive engineering solutions all around the globa.



Illustration top right:
Our central European
storage facility in Ghent,
Belgium, provides
more than 9,000 square
metres of storage area.

Illustration center right: KettenWulf in Ferlach, Austria.

Illustration bottom right: The Chinese production and sales facility in Hangzhou.



Production/ branch office

Sales agency



For more than 80 years the KettenWulf Group has been developing and manufacturing special conveyor chains for the steel-, metallurgical and aluminum industries worldwide.

Our product range covers conveyor chains for the entire production process- from stockyard technology for coal and ores, to applications in powder metal facilities, furnaces, steelworks, casting machines and roller mills up to the point of transport and looping chains for quality improvements in hot and cold-rolled areas.

High-performance products of premier quality, strict compliance to the most extreme specifications, innovation and a complete focus on our customers' demands form the basis for our leading reputation. Our products convince through their latest technology, quality and reliability.

We are Partners of the Steel Industry

KettenWulf offers innovative chain technology for all conveyor applications in the steel- and metallurgical industry



KettenWulf Products for all Applications in the Steel Industry

To cope with the special and complex technical requirements of the various steps of the manufacturing and final processing of steel, our research and development division in cooperation with our customers is striving to provide most modern chain technologies.

The requirements related to our products such as reduction of abrasion related wear on reclaimer

chains in iron ore and coal mixing beds, temperature resistance of conveyor chains in hot material transport and highest precision of roller chains in looper applications, only represent a small part of the technical requirements for which we have come up with innovative and successful solutions.

Pan conveyor chain for sinter transport





Cold strand chain as start-up chain for continuous casting





Coil transport chain





Pan conveyor chain for scrap transport





Special duplex chain for looping tower





Deep link chain for steel sheet continuous conveyor





Special tappet chain for cooling bed pipe transport







KettenWulf chain technology for coil conveyors with center distances of more than 100 meters and total loads of more than 700 tons. The manufacture and supply of state-of-the-art reclaimer chains for handling of coal, iron ore and other additives as well as pan conveyor chains for the charge preparation are one of the applications in which we have proven our superior technical capabilities.

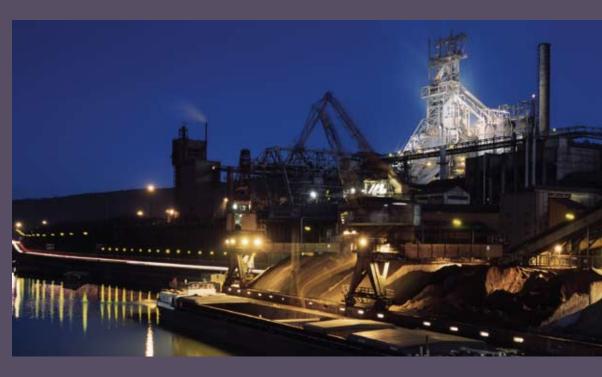
Conveying mediums of highly abrasive character with temperatures up to 900 degrees Celsius call for extreme properties of our products.

The success of our chains in the various applications is based on the selection out of a variety of special materials with increased resistance to high temperatures and wear and a high precision in the manufacture and heat treatment of the individual chain components.

The high degree of approval of the KettenWulf technology among plant operators confirms our concept.

Chains for Pig-Iron Preparation

Iron ore loading and preparation facility



From Stockyard Technology to Charge Preparation

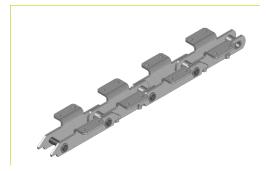
KettenWulf's innovative chain concepts comprise lifetime lubricated support rollers and chain joint sealing systems for reclaimer chains as well as special attachments and highly wear resistant chain joints for pan conveyor applications in conveying of iron ore, coal and other additives.

Scraper chains for reclaiming systems





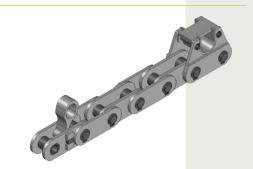
Pan conveyor chains for sinter transport





Short pan conveyor chains for coal and iron ore conveying





No matter whether used in ingot casting or continuous casting lines KettenWulf chains have proven their reliability in daily practise.

Used in continuous casting operations and in the transport of slabs and billets KettenWulf products have stood out in their performance.

Temperatures of up to 1000 degrees Celsius and weights of up to 30 metric tons per piece do require a comprehensive know-how in chain technology.

Competence through intense cooperation with leading equipment manufacturers combined with experience gained from various field operations worldwide mean a maximum degree of operational security and lifetime of the installed conveyor chains to KettenWulf customers.

Chains for Pig-Iron Moulding

Round strand continuous casting



From Continuous Casting to Ingot Mould Conveying

Successful chain technology in pig-iron moulding is based on complex geometries, highly wear resistant chain joints and temperature resistant materials.

Cold strand chain as start-up chain



Special roller chain for cold strand conveying



Slab conveyor chain



Special block link chain for ingot mould conveying



KettenWulf offers specially developed chain technology for all conveyor applications used in the onward processing of slabs and billets to sheets, strips, profiles and pipes.

Extreme wear resistance, high weights per piece of up to 35 to with temperatures up to 900 degrees Celsius and a maximum of length precision on matched chain strands are met by the KettenWulf chain technology.

Chains for Onward Processing

Hot strip coil transport



Rolling Mill Technology to Strip Processing

KettenWulf chain technology is being supplied for the transport of coils in the hot or cold rolling area, for the conveying of sheets, profiles and pipes as well as for looping tower applications meeting the high requirements for wear resistance and fatigue strength.

Illustration 1: Deep link chain for steel sheet conveyor

Illustration 2:
Pipe carrier chain in the cooling bed

Illustration 3: Hump conveyor chain for hot coil transport

Illustration 4: Chain with tappet for pipe transport

Illustration 5: Special roller chain for strip looper

Illustration 6:
Duplex-roller chain with anti-twisting device for looping tower













Top class KettenWulf chain technology can be found in the conveying of sheets, pipes and billets as well as in the transport of wire and steel coils.

High speeds and temperatures, extreme ambient conditions and high product weights determine the concept of the chain technology.

KettenWulf products have proven their suitability in the practical application for more than 80 years.

Transport of Finished Products

Transport of steel sheets to the cold straightening equipment



Transport Solutions for Different Products

Individual solutions to the chain conveying of finished products can be achieved through our manufacturing capabilities.

Individualized chain attachments and low maintenance rollers may be used for the transport of all kinds of finished products.

Illustration 1: Carrier chain for sheet transport

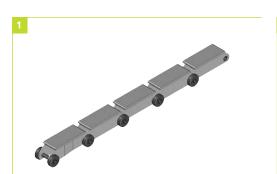
Illustration 2: Tray chain for coil transport

Illustration 3: Hump link plate chain for pipe transport

Illustration 4: Deep link chain for transport of steel profiles

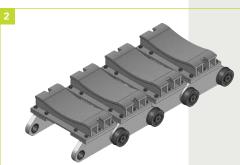
Illustration 5: Conveyor chain for wire transport

Illustration 6: Carrier chain for billet transport

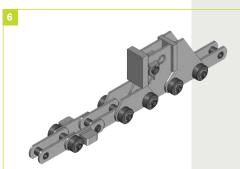












The huge range of various conveying applications in primary and secondary equipment of the steel making and finishing process requires a high degree of competence in chain manufacturing.

KettenWulf concepts have proven themselves in different machinery and plants worldwide.

Chains for Secondary Conveying

Apron conveyor for steel scrap transport



Scrap Transport to Forging Manipulator

Apron conveyor chain for scrap transport



Draw Bench Chain



Plastic plated pan conveyor chain for careful transport of sheets and coils



Corrosion resistant pan conveyor chain for cooling conveyor in the aluminum industry



Lantern pinion for forging manipulator



Sprockets are a crucial factor for the effiency and lifetime of each chain system. In order to ensure the high quality of all products KettenWulf places emphasis on the in-house production of own sprockets. Besides sprockets according to all DIN/ISO/ANSI gearing our product range covers individual solutions with optimal tooth profiles and wheel sizes.

Whether you are in need for sprockets of superior material, special heat treatment or sprockets with induction hardened teeth — KettenWulf has the solution.

KettenWulf Sprockets

KettenWulf manufactures all executions and sizes of sprockets as per customer's specifications



Optimum Tooth Designs for all Chain Types

We provide matching sprockets for all types of chains. Besides producing sprockets with DIN standard tooth forms, our CNC machines also allow us to produce sprockets with optimized tooth shapes. Products made of high-grade materials, heat treated and with additionally induction-hard-ened teeth are the standard in our company. Our production spectrum includes all sprocket designs,

including sprockets with one-sided hubs, split-type sprockets, sprockets with detachable tooth shells or tooth segments, shear-pin sprockets, pinion sprockets, as well as sprockets with patented noise-reduction features and wheel systems.

Illustration 1: Fork link chain sprocket in split execution

Illustration 2: Sprocket in split execution

Illustration 3: Sprocket with detachable 2-parted toothed rim

Illustration 4: Triplex-roller chain sprocket

Illustration 5: Lantern gear sprocket

Illustration 6: Sprocket with detachable 3-parted toothed rim













Products for Complete Drive Systems

As a leader in conveyor and drive technology, KettenWulf has established itself in the market as a supplier of special components. Apart from manufacturing drive and tail shafts, we design and produce complete drive shaft systems, comprising of shaft, sprockets and bearings.

Assembly and final quality control of a complete drive shaft system



Illustration 1: Complete drive shaft assembly for the steel industry

Illustration 2: Complete tail shaft assembly







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