



RH-THIELE
Engineering GmbH



Sprockets



RH-THIELE Engineering - Sprockets



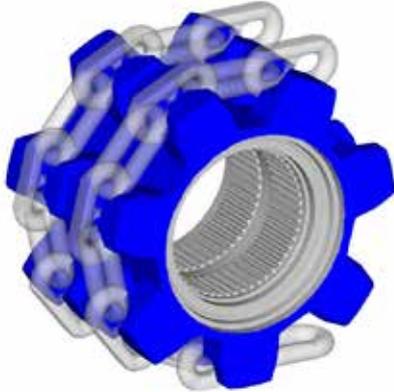
RH-THIELE Engineering GmbH, formerly known in the mining industry under the name Richard Hippenstiel Maschinenbau GmbH, was incorporated into the THIELE Group in March 2015.

RH-THIELE specialises in the production of sprockets for chain scraper conveyors. High-quality products based on years of manufacturing experience has won the company recognition around the world, especially among customers in the deep coal mining industry.

The integration of RH-THIELE into the THIELE Group means that existing customers can now obtain all the movable wear parts they need for their conveyors from a single source, with THIELE assuming responsibility for the correct choice of individual components that go to make up the overall system.

The RH-THIELE production plant in Wetter has adopted the ISO 9001 quality management system.

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Planning

The complex designs used for the sprockets meet the requirements of DIN 22256 and are drawn-up in-house with the help of the latest computer-aided 3D CAD systems.

Load simulations based on the finite element method (FEM) make for optimum model dimensioning and allow a motion analysis to be undertaken of the overall system.



Manufacture

The factory is equipped with CNC machining units capable of producing sprockets of every type and design.

RH-THIELE also supplies complete AFC and BSL drives and return ends, scraper-conveyor mountings, shafts and pulley wheels for crushers, sprockets with replaceable modules (e.g. teeth segments) for apron feeders and bucket elevators.



Sprocket pockets

RH-THIELE has developed a special design of sprocket pocket with „TD tothing“ that helps to extend the operating life of the pockets and protects the horizontal chain links from the problem of „ducktail wear“.

Special induction treatment of the sprocket teeth ensures a surface hardness of 56-60 HRC.



Operating experience and servicing

RH-THIELE sprockets for mining conveyors are designed for chain sizes of 14 to 52 mm. The most popular sprocket types are now being used by clients all over the world.

In response to customer requests RH-THIELE is able to assess the rate of wear at the sprockets and can retrofit or replace the components under workshop conditions.



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