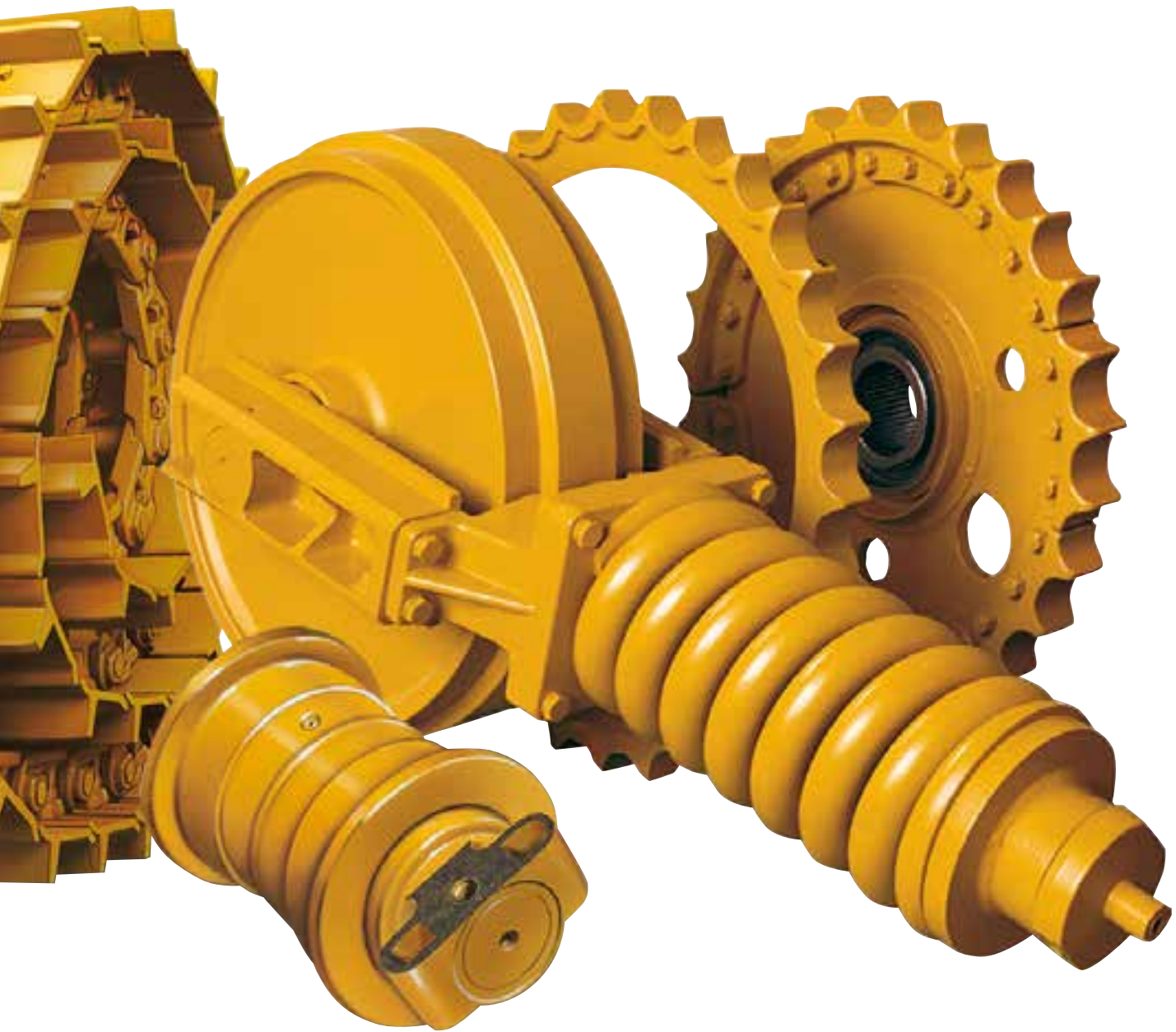


There is no force
without good traction

Undercarriage components **Berco**



State-of-the-art technology, quality and extensive know-how in the development and manufacture of each Berco product.

Blumaq commercializes Berco undercarriage components, as an authorized distributor for Spain, Turkey, South Africa and Zambia. This allows us not only to offer our customers the best quality undercarriage components on the market, but also the delivery service and quality guarantee that Blumaq offers to all our subsidiaries.

Drive sprockets:

Every year Berco produces over 140.000 drive sprockets, sprocket rims and segment groups, with a total weight of over 10.000 tons. Both cast and hot-forged sprockets are produced via induction-hardened over the full tooth profile. Then they are processed and drilled in machining centers on CNC machines. All of this is done to extend service life and keep maintenance efforts and expenses low.

Blumaq offers more than 600 different designs of drive sprockets, sprocket rims and segment groups, both for bulldozers and excavators from 1 to 330 tons.



Idlers:

The wear resistance of idlers is particularly important. Whether cast, forged or welded idlers, Blumaq offers more than 500 different sizes, both for bulldozers and excavators. Even for tracked vehicles from 1 to 330 tons, including versions for extremely cold temperatures (-50 °C/-58 °F).

Berco idlers offer improved structural strength and optimal alignment to ensure permanent lubrication, which reduces operating and maintenance costs.

Thanks to our technical office, which is in constant collaboration with Berco's research and development departments, we are able to offer technical support that meets the needs of our customers.

Track shoes:

Extreme applications, such as those often required in the mining industry, require specially forged track shoes. They need high bending and breaking strength, maximum wear resistance and toughness to guarantee long service life. For this reason, Berco track shoes are through-hardened and stress-free annealed.

- Blumaq offers track shoes for bulldozers and excavators with chain pitches up to 317.5 mm and track shoes for large excavators with chain pitches up to 350 mm. Over 70 different sections with 1, 2 and 3 grousers and a large selection of track shoe designs with different lengths and mounting surfaces. Angular and tapered grousers, forged track shoes for special applications such as mining.



Track chains for bulldozers and excavators:

No matter what size, or in which machine they are used, heavy-duty chains, greased chains and oil-lubricated chains need to be especially robust, durable and easy to maintain because they are most often used where the ground is uneven, rocky and loose. For this reason, Berco places great emphasis on quality in the production of its track chains.

Blumaq provides all Berco chains, which are specially developed for the increased durability of pins and bushings.

We also offer heavy-duty chains with extremely wear-resistant bushings for maximum service life in applications with intense abrasion. Available for XR, XL and LGP undercarriages and for bulldozers and tracked loaders.

The quality of Berco undercarriage, together with the coverage offered by Blumaq ensures a good service and a high profitability of your investment.

Rollers:

Through-hardened or surface-hardened roller shell bodies increase wear resistance and ensure high structural strength and resistance to deformation. Seals guarantee permanent lubrication for optimum durability. Blumaq offers single-flange, double-flange and inner flange rollers, more than 1.500 different rollers for all types of equipment and applications, including bulldozers and excavators weighing 1 to 330 tons. In addition, versions for extremely cold temperatures (-50°C/-58°F) are available. Rollers include other quality components such as hubs, collars, bimetal bushings, shafts, and high-performance seals.



Complete undercarriages:

In addition to the production of individual undercarriage components, Blumaq provides fully assembled Berco undercarriage systems, ready for installation. The product spectrum ranges from the smallest track units from mini excavators to undercarriages for rock drilling machines and excavators. For special applications, working with our customers we develop solutions, that are optimized and tailor-made for their respective needs.



Berco has acquired significant industry experience during its 100-year history that has allowed the company to develop and optimize various special processes and integrate them with other process steps to achieve outstanding products.

Heat treatment processes are optimized for every type of product.

Today there are different methods such as induction hardening, differential hardening and direct in-line hardening after forging.

Tempering furnaces and double-chamber shell carbonizing furnaces lines. The main process parameters such as temperature, time, chemical composition, etc. are constantly monitored in real time to guarantee heat treatment standards of the highest quality.

Hot forging generates better finishes and product quality compared to casting, and eliminates flaws such as internal or surface casting holes that can seriously compromise product reliability. The 32.000-ton capacity Maxi-Press and 16.000-ton capacity Midi-Press hot forging lines make Berco the only company able to forge large mining chassis parts for heavy wear and load condition.