



MODERN SOLUTIONS IN BELT CONVEYORS



www.LUBAS.com



ABOUT US

We are a manufacturer of L-PUR polyurethane elastomers - a material with a wide range of applications that proves useful in many branches of industry, from the extractive industry to the furniture industry.

LUBAS has been on the market since 1990, yet our knowledge and our experience go back a long time before the production plant was built. They result from long-standing research work at the Faculty of Materials Science and Engineering at the Warsaw University of Technology and from implementations and applications of polyurethanes in the extractive industry in the 1970s and 1980s.

Currently, LUBAS is a modern plant with multiple departments, and comprises a dozen or so technological processes, all of which operate simultaneously.

The heart of the company is a polyurethane elastomer casting house and an autonomous engineering/construction department with advanced 3D technologies and a mechanical department with CNC machines.



As for conveyor belts in the sector of mineral aggregate, our offer includes:

- L-PUR rings for rollers
- L-PUR coatings for smooth rollers
- dock seals
- Linings and coverings of hoppers and chutes
- linings for bucket-wheel extractors
- linings in the form of flat plates and corrugated plates

The application of our L-solutions guarantees:

- long life span and durability
- mechanical resistance to weather conditions
- high index of vibration suppression
- resistance to oil derivatives and a range of acids and solvents

RINGS FOR ROLLERS

Polyurethane rings are a simple solution; the component is installed by pressing the rings onto the roller. Our offer features rings for typical roll shell diameters. It is also possible to manufacture a product according to the provided specification.

We offer:

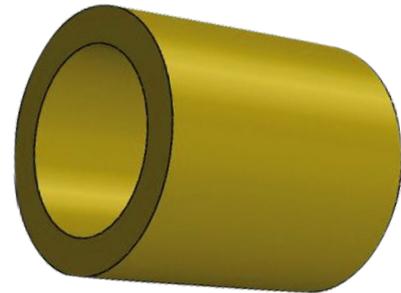
- support rings
- spacer rings
- comb-form



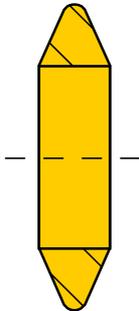
TYPES OF SUPPORT RINGS AND SPACER RINGS

We manufacture different types of polyurethane rings. Type A, type B, feed wheel, spacer rings (sleeves) of typical sizes that fit most steel rollers used in conveyors. In case of larger orders we may manufacture a new type of ring.

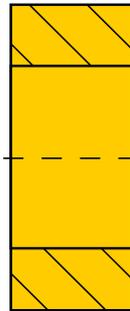
L-PUR POLYURETHANE SLEEVES FOR ROLLERS



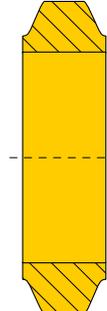
L-PUR RING „TYPE A”



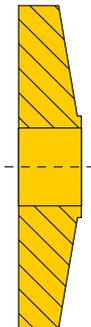
L-PUR RING „TYPE B”



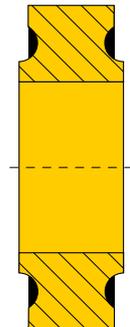
TRANSPORT RING L-PUR „TYPE C”



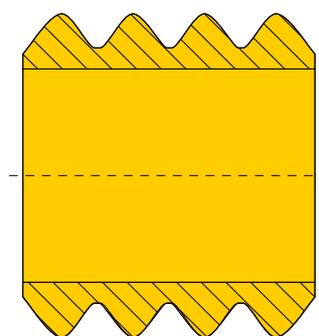
L-PUR BELT LEADING RING



L-PUR SUPPORTING RING



L-PUR QUADRUPLE RING



L-PUR COATING FOR SMOOTH ROLLERS

Polyurethane smooth rollers ensure high durability and noise reduction when the belt conveyor is in operation. They are an alternative to traditional load-carrying systems. We also offer roller regeneration with the use of a polyurethane coating.

We offer:

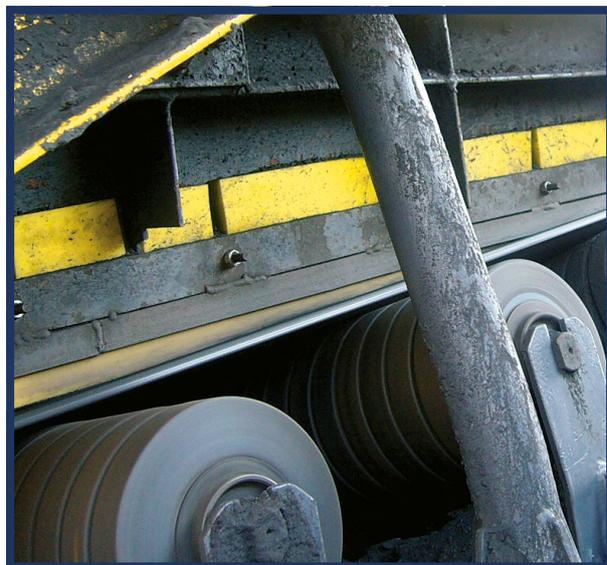
- smooth roller coatings
- elastomer self-bearing rollers



APRON SEALS

Apron seals made of polyurethane are an ideal solution to the problems with the spillage of material in the loading zone and along the entire length of the conveyor. They are an alternative to rubber products and old conveyor belts.

Thanks to applying polyurethane, we obtain excellent cooperation of rubber belt and apron seals. Because no heat is generated between components (rubber-polyurethane) there is no vulcanisation and their life is elongated. As a result, the sealing adapts perfectly and, thus, the transported dredging material does not move to the sides of conveyor belt.



LININGS AND COVERINGS OF HOPPERS AND CHUTES

Polyurethane linings significantly reduce the adhesion of the transported material to chutes or hoppers of tanks. Thanks to their elasticity and forming potential, they can be adjusted to any shape. We manufacture linings of several hardness levels and adjust their parameters to the place of their application.

L-PUR linings are much lighter and more resistant to wear than metal plates, and they significantly reduce the sound of bouncing dredging material. To make the installation of plates to hoppers easier, we manufacture three types of plates, which allows the customer to choose how to install them:

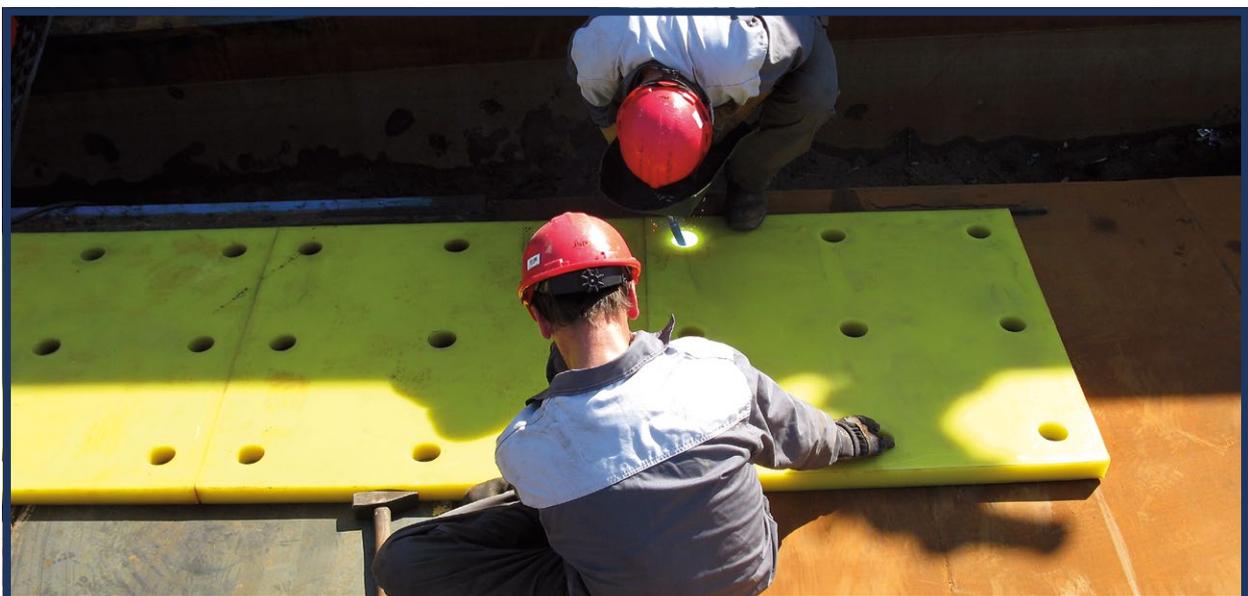
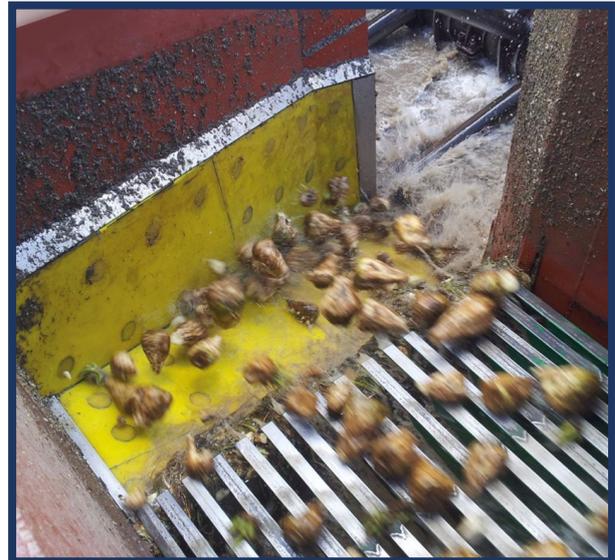
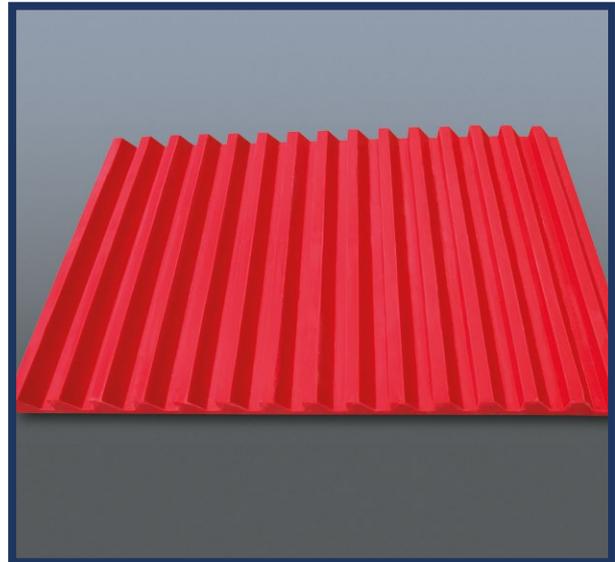
- L-PUR plate installed using a flat bar
- L-PUR plate on a flat sheet
- L-PUR plate with a corrugated plate inside



CORRUGATED PLATES AND CAISSON LININGS

Corrugated polyurethane plates are applied for hoppers carrying very large loads. We manufacture them in a heavy-duty version, starting with the thickness of 50 mm and, as a result, we obtain high resistance to wear and we increase the resilience index. They are used for chutes in mines, gravel plants and in places exposed to rocks and lumps falling from heights.

Caissons (sugar beet chutes) in sugar refineries are lined with 50 mm thick plates. The thickness of a shock-absorbing polyurethane plate absorbs the beets unloaded into the caisson. As a result, the beets are not smashed, and they do not lose their properties before being processed further. In addition, shock absorbance dampens the drop sound so it is less bothersome for the people living in the area surrounding the refinery.



L-PUR SCRAPERS

The company offers complete systems for belt cleaning, from initial scrapers to systemic solutions for belt cleaning.

As a result, we obtain high cleaning effectiveness and minor amount of material remains after passing through the position of the scraper. In addition, the life of the belt conveyor is significantly increased.

Inserts for plate belt scrapers

It is a very popular solution applied in areas where drum sets cannot be used. This set may also work as a secondary scraper.

Its basic advantages include:

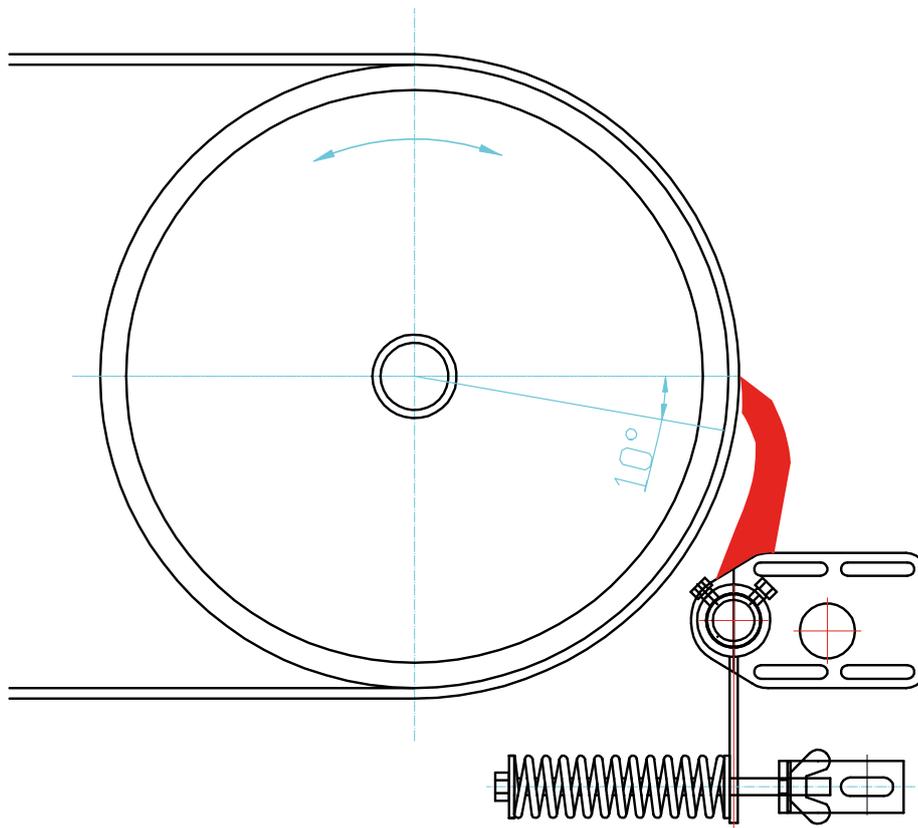
- easy replacement of scraping elements (one element)
- solution reliability
- the scraper may also be used for belts connected mechanically
- it does not become damaged, does not cure
- does not undercut the belt

L-CLEAN scraper system

We manufacture complete sets with polyurethane inserts for L-CLEAN scraping systems for belts of a width from 500 to 2,000 mm.



OVERVIEW OF THE L-CLEAN SCRAPER OPERATION

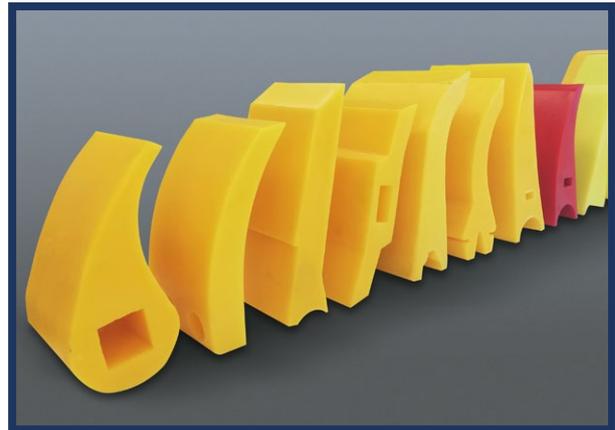


SPARE PARTS OF SCRAPER SYSTEMS

To meet the needs of our customers, we offer a wide range of spare parts for other manufacturers' equipment such as:

- METSO ○ HOSCH
- HOESSEL ○ STAR CLEANER

All plastic elements, including scraping teeth, are manufactured by our own L-PUR elastomer casting house. As a result, we are able to offer products that perfectly respond to the needs of our customer, instead of offering products that are currently available on the shelves of any distribution company.



REGENERATION OF DRUM PULLEYS AND CONVEYOR BELTS BY L-PUR COATING

We provide the service of belt conveyor drum pulley regeneration using the L-PUR coating for every drum pulley diameter. We offer coatings milled in diamond and herringbone patterns, which are manufactured in the crowned and cylindrical shape – depending on the customer's needs. For drums less than 620 mm in diameter, axles for bearings may also be regenerated.



BUCKETS

We also offer regeneration of buckets that are parts of bucket wheels of a bucket-wheel excavator. The regeneration of the surface consists in covering the inside of the bucket with sprayed L-PUR polyurethane. Thanks to carefully selected spraying, the surface is highly resistant to abrasion and makes it impossible for the dredging material to freeze to the steel part.



Offer for the mineral aggregate industry:

-  Professional consulting backed by **experience since 1990.**
-  High-quality products with **extended life span.**
-  Possibility of applying **individual solutions** to the customer's needs.
-  Reliable partner in business operating on **35 global markets and 4 continents.**



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