Excellent Optamid® meets optimized design

Nowadays, all of us have to meet the challenge of using our resources responsibly. It is our duty to manage raw materials in an eco-friendly manner. Resources and energy will be saved at production and during operation with the use of the Optamid® Green Pulley. When properly implemented, it will lead to cost reduction in the product, installation and service. We have accepted this challenge and created a solution that combines performance and quality at known levels in an even lighter pulley with additional benefits.

Optamid® Green Pulley

Our answer: the Optamid® Green Pulley

Optamid® Green Pulley surprises with its design. A complete redesign of the traditional pulley results in less weight and material, all the while improving functionality. The innovative ribs make for more stability and load capacity of the pulley with a uniform load distribution for a longer life, reduction of energy consumption and increased ride comfort. Due to the usage of closed bearings with special grease, the Green Pulley has fewer parts and needs minimum maintenance, thereby maximizing savings on the cost of time and material for lubrication. Less material, less maintenance, minimized grease usage and reduced energy for a better ecological footprint.

Our ideas to Optamid® Green Pulley

Reduced weight

Material savings because of less raw material. The optimized weight pays off not only during assembly, but also in application through lower energy consumption.

Bearings

Likewise reduced: closed bearings no longer need to be capped but pressed into the pulleys. Advantage: fewer parts, reduced failure rate and protection against dirt and dust.

Minimum grease consumption

The closed bearing will be supplied with a special grade of grease unique to the application. Maintenance is reduced to a minimum. Regreasing bearing is not necessary.

Sustainability

Next to the reduced energy requirements and reduced use of raw materials during the production, Optamid pulleys can be recycled after reaching end of life. Production remains can be recycled for new usage.

Performance

The design leads to a higher product stability, ensuring long-term smooth ride and increased ride comfort.

Sustainable Use of Plastics
Green Pulley
Optamid®
Reduced • Renewed • Responsible

All advantages at a glance

In comparison: Optamid® pulley* and the “Green Pulley”.

	Optamid® pulley	Optamid® Green Pulley
Weight	6.2 kg	4.6 kg
Components, grease nipples, screws, caps used	11	6
Initial greasing	125 g during maintenance 150 g/year	110 g greased for operational life time
Maintenance requirements	30 min./year	–
Durability	approx. 10 years	> 10 years

* based on existing customer pulley produced in large series

For sure one may discuss about the term “green” pulley. It is without doubt that the concept will save up to 30% of material – from raw material to production to grease (in total 1.5 kg less). In addition, there are less grease cartridges, fabrics, etc. Lighter pulleys will also result in less transport weight and a reduced fuel consumption. In total, all these factors create an increased users’ benefit and therefore lead to a smaller and improved ecological footprint. Contact us to discuss your Green Pulley.

Further information on www.roechling.com/industrial/xanten

More information about our extensive offer for elevators:

Röchling Industrial. Empowering Industry.
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