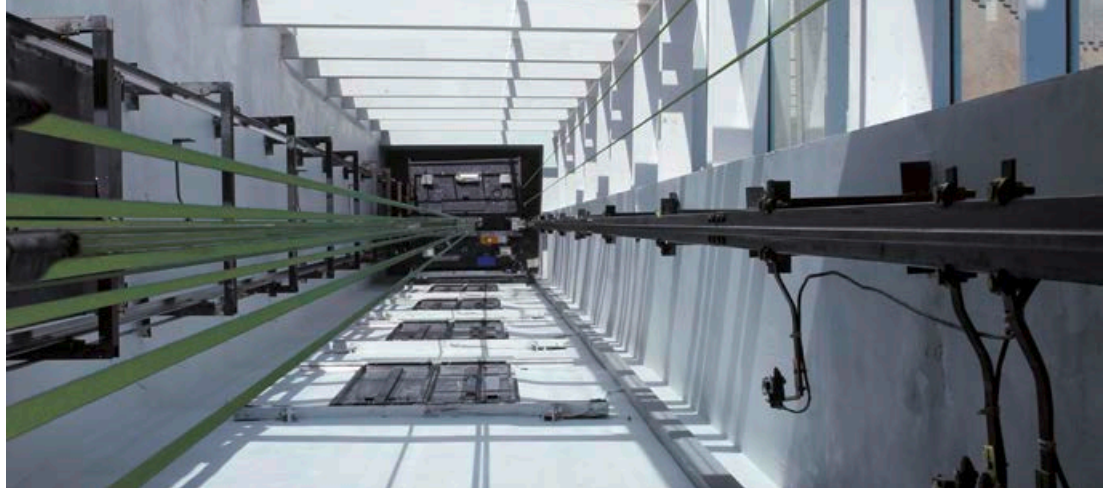




PULLEYS FOR PLASTIC-COATED ELEVATOR ROPES

Quiet and durable.



Pulleys made from **LiNOTAM^{HiPERFORMANCE E+}** offer the following benefits:

- reduced static friction
- low noise levels
- even rope tension
- easier assembly and set-up
- can be retrofitted in existing pulley systems
- no additional moving parts
- wide variety of sizes
- cost-effective production



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LiNOTAM^{HiPERFORMANCE E+}

Specially designed for plastic-coated ropes.

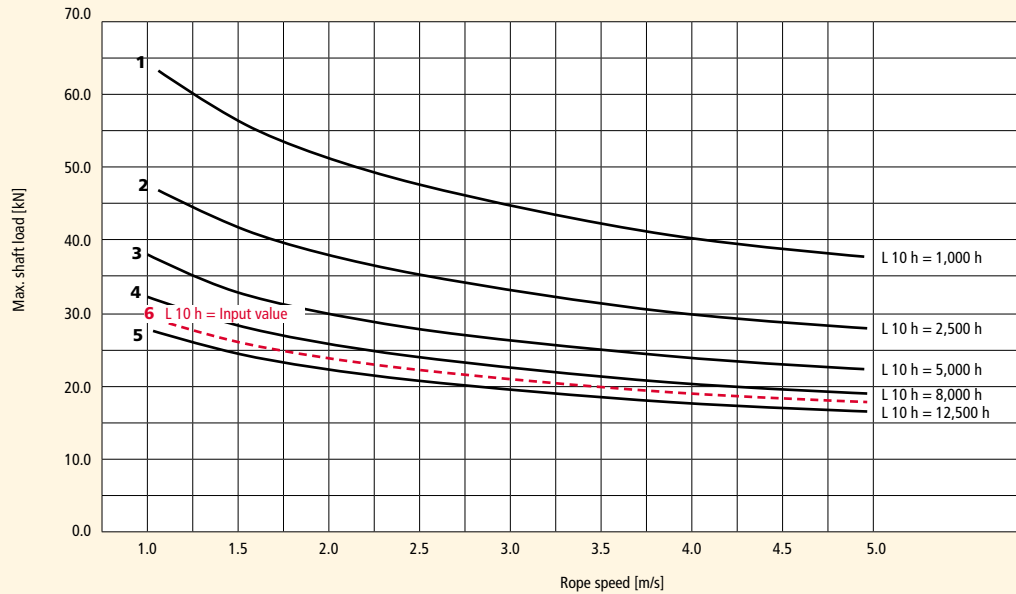
In elevator designs, the ability to save space and weight is an important cost factor. As a result, small rope diameters and plastic-coated ropes are in demand, as they offer low D/d ratios that allow for small pulleys. Plastic-coated ropes, however, have very specific properties that require adjustments to the pulley design. They both reduce noise levels and make assembly and set-up easier.

Pulleys made from **LiNOTAM^{HiPERFORMANCE E+}** offer a **cost-effective alternative**. Instead of changes to the pulley design, the solution lies in the new special material. This allows users to easily retrofit the new pulleys into existing elevator systems. Pulleys made from **LiNOTAM^{HiPERFORMANCE E+}** are easy to service, just like those made from the standard material **LiNOTAM^{HiPERFORMANCE E}**. They offer excellent concentricity and resistance against corrosion and are available in the standard light yellow color.

Example: Pulley calculation

Pulley:		Bearing:		C dyn	C stat	Shaft	OD	W
Material	LiNNOTAM^{Hi}PERFORMANCE E+	Size	6408	63.7 kN	36.5 kN	40 mm	110 mm	27 mm
Color	Light yellow	Shaft Ø	40 mm					
Manufacturer	Licharz GmbH	Manufacturer	SKF	(with gasket or cover disc on both sides)				
Nom. Ø	160.0 mm	Quantity	2					
Groove	5	L 10 h	10,000 h	(target service life)				
Groove bottom Ø	153.5 mm D	So	2.4	(safety factor for stat. rated shaft load)				
Groove radius	3.5 mm r							
Axle load	30.0 kN (rated shaft load F)							
Rope speed	53.0 m/s v							
Rope Ø	6.5 mm d							

Load-bearing capacity (mathematical) with varying theor. operating time



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PROVEN SAFETY WITH LiNNOTAM

Reliable at all times.

Pulleys made from **LiNNOTAM^{Hi}PERFORMANCE E+** and **LiNNOTAM^{Hi}PERFORMANCE E** are highly reliable. We precisely check the load-bearing capacity for each individual application according to the relevant standards and specifications using premium branded bearings. We also make use of our many years of experience with pulleys made from special cast polyamides.

Tests have proven that our new **LiNNOTAM^{Hi}PERFORMANCE E+** material quality can reduce the static friction value between the rope and the pulley on plastic-coated ropes with small diameters by up to 50 percent compared to our standard product. For users, this means a much longer service life for the ropes.

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LICHARZ EXACTLY YOUR SOLUTION

We think with you from the beginning.

We offer advice on how to utilise plastics and develop your component together with you:

- We examine the operating conditions of your machine on site.
- We check your design drawing.
- We recommend the material and the process.
- We manufacture a prototype for you if required.

You will receive your product quickly and economically, exactly as you need it!