



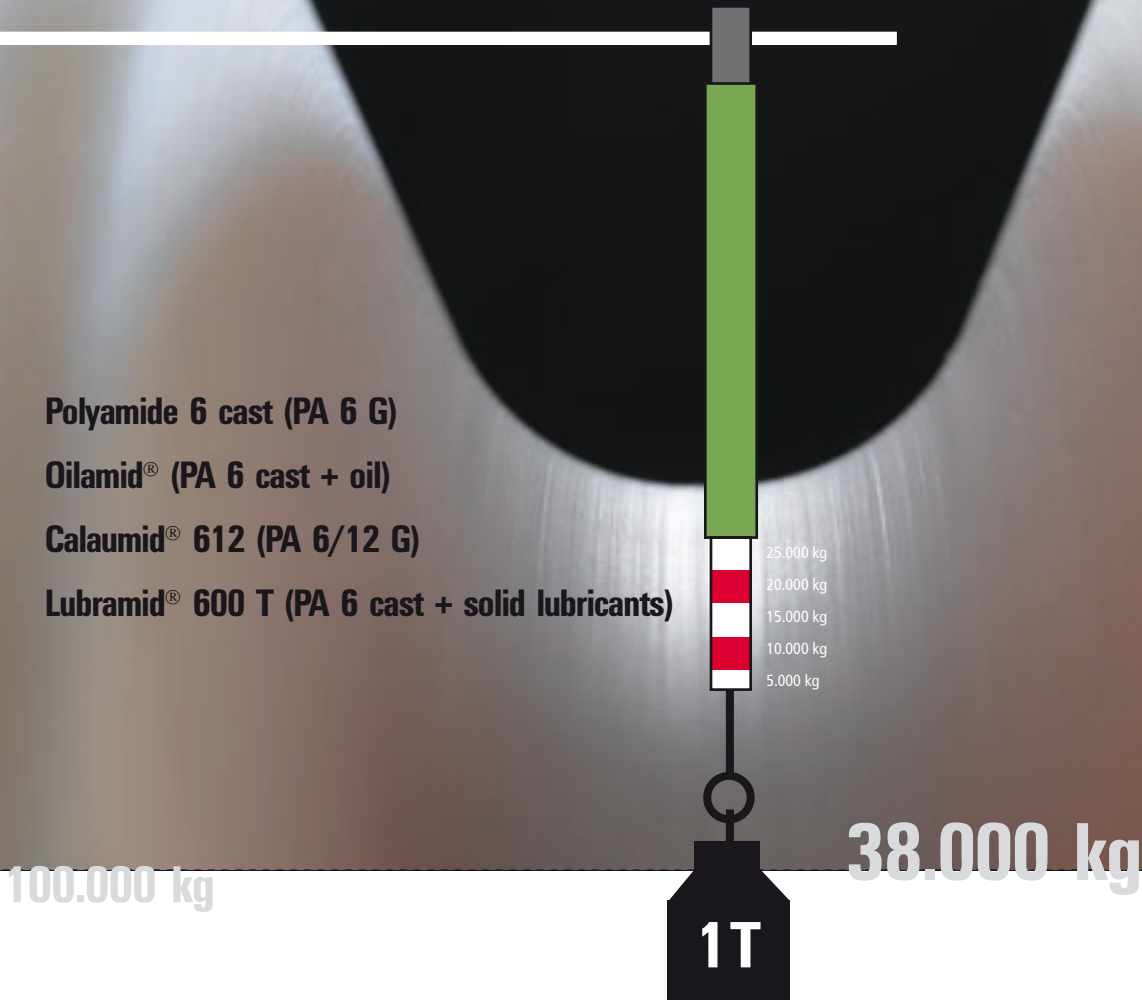
Image: Wilbert

CRANE & HOIST TECHNOLOGY

Fast and economical!

WEIGHT

We reduce enormous amounts of weight. Even the largest parts are sturdy and reliable.



Plastic machine components are state of the art today even in heavy lift applications. Plastics are extremely durable and sturdy, they are mouldable and very light, and they can be produced more quickly and cost-effectively than metal.

Using modern machinery and optimal materials from our own production, we manufacture rope sheaves, track rollers and guide sheaves for you as well as sliding and support components in small or large series: accurately, quickly, economically – and in consistently good product quality. Our manufacturing and machining capabilities puts us among the top companies worldwide.



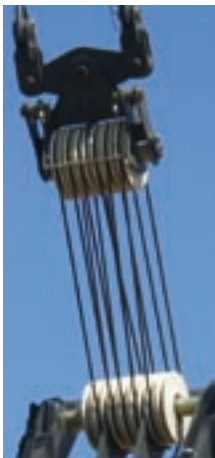
Hose sheave
Ø 1.100 mm to a
ground auger device



Image: Wilbert



Rope sheave in
construction equipment



Sheave block in a
lattice-boom crane

Rope pulleys of cast polyamide make a strong case:

- low running noise
- low weight
- high resistance to wear
- high corrosion resistance
- inexpensive production
- maintenance-free operation
- wire rope preserving elasticity



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ROPE SHEAVES OF CAST POLYAMIDE:

Longer lifetime for wire ropes!

Fields of application: Truck cranes, lattice-boom cranes, portal-handling crane, lifts, ropeways, stranding, wire-drawing and reeling machines and similar applications.

Rope sheaves of PA 6 G, Oilamid® or Calamid® 612 are suitable for high loads and have been tried and tested in many years of use. Compared with steel sheaves, they reduce rope surface pressure tenfold – and considerably increase the lifetime of your wire ropes.

And another benefit: Cast polyamide rope sheaves dampen and/or absorb bearing damaging vibrations from the wire rope and increase the lifetime of the driving line and that of the bearing elements.



Outrigger float pads of cast polyamide make a strong case:

- low weight
- high impact and shock resistance
- high loading capacity
- high corrosion resistance (chemicals, environment, oils & greases)
- high recovery when deformed
- cost-effective production
- almost any manufacturable shape
- no maintenance required
- almost unlimited lifetime (if handled properly)
- best test results

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OUTRIGGER FLOAT PADS OF CAST POLYAMIDE:

Secure base for mobile application!

Fields of application: Truck cranes, mobile cranes, mobile concrete pumps, auxiliary cranes, manlifts, mobile drill rigs and similar applications

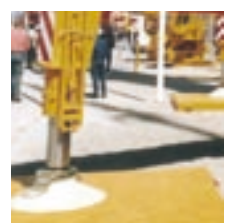
Based on Calaumid®612, we produce support components such as float pads which withstand the greatest loads. Compared with steel plates, they provide very high recovery during deformation – making them ready for you to use for a much longer period.

And another benefit: The low weight of cast polyamide float pads makes them easier to handle during use and assembly. The good material elasticity makes them sturdy and secure even if there are smaller bumps and edges. The material can be completely recycled and is resistant against fuels and lubricants.

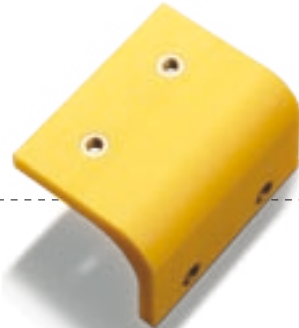
87.000 kg



Polyamide float pads
Ø 400 mm on a
railway crane



Polyamide float pads
Ø 700 mm on a truck
crane



Slider pads of cast polyamide make a strong case:

- good sliding and emergency-running properties
 - high resistance to wear
 - good creep strength
- high pressure resistance
 - high elasticity
 - Durability

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SLIDER PADS/WEAR PADS:

More stability for load peaks!

Fields of application: Telescopic stabilisers for mobile cranes, working platforms, telescopic loaders, truck cranes and similar applications

Sliding elements, such as slider pads of Oilamid® and Lubramid® 600 T are tried and tested in use and are more durable than comparable elements of metallic sliding materials. The lubricants embedded in the polymer matrix reduce the sliding coefficient of friction by up to 50% - making your slider pads extremely wear resistant.

And another benefit: Structural parts of Oilamid® and Lubramid® provide faster recovery when subjected to shock loads. The materials are particularly tough as compared with other thermoplastic materials and permit considerably higher loads. At the same time, they are flexible enough to function securely at low temperatures or under shock loads.



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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 check application conditions on your machine
- 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!