



keeping industry on the move

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DGCRANE
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CRANE WHEELS catalog



crane wheels introduction

Crane wheels are replaced because of flange wear, flange breakage, and mechanical overloads characterized by pitting and spalling. Each of these in-service factors must be carefully considered before the combination of wheel design, material selection, hardness pattern and heat treating technology is selected.



That's why every Degong hardened steel crane wheel is specially designed and heat treated to maximize its resistance to the damaging forces at work in heavy industrial applications.

Degong Crane Wheels are:

- Manufactured from fine grain, fully killed, vacuum degassed forged medium carbon steel

- Heat treated using our in house processes to provide a uniform contour hardness in the tread and inner flange wear surfaces, while maintaining a ductile core to resist shock loads
- Resistant to flange fracture or wear
- Designed to resist pitting and spalling

Advantages of Degong forged Crane Wheels:

- Reduce maintenance cost of your wheels and wheel assemblies
- Improve the life of your rail
- Provide an additional 40% load carrying capability over rim toughened wheels
- Delivery in 6-8 weeks, less when required

Applications:

- Overhead cranes
- Gantry and portal cranes
- Transfer cars

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Forged crane wheels



Forged Steel Crane Wheels are available in a wide range of standard sizes. In addition, crane wheels to meet your special design requirements can be produced in virtually any size, configuration and surface finish condition. We maintain a large inventory of carbon and alloy steels to meet your specific needs.



Forged Crane Wheels are available in any surface hardness up to 60 Rc including our standard heat treatments.

Crane wheels are also able to be Deep Hardened or Differentially Hardened for heavy wear or load requirements. For applications with severe flange loading we also manufacture an AISI-4140 "Super Tough" crane wheel. Flange breakage is no longer a concern for older cranes and misaligned crane runways.



Sheaves

A steel pulley sheave is coveted in industries where strict weight limits are in place, such as on boats. The reason for this unique benefit is because steel is much lighter than iron. However, a sheave pulley block forged from steel cannot handle as much weight and stress as an iron sheave.

Machine steel pulley sheaves are popular with industries that demand strong communication between workers. This stamped metal wheel provides a combination of strength and silence when it is in operation. This material makes it possible for silent operation when verbal commands are most important.

A pulley sheave has many specifications that can be customized for a particular job. Based on these factors, it can be used in a variety of industries. Users must consider how frequently the sheaves will be used, as well as what the weight load will be. Sheave height and width also are considerations that directly influence performance, because smaller wheels operate faster but usually cannot carry the same load. The pulling radius, cable diameter and maximum tension for the cable are other considerations that go into choosing the perfect sheave for a job.



crane wheel sets



Crane wheels sets are available in different versions, either as a complete wheel set or single wheel body available.

Wheels with rectangular split bearing at our company standard SHN 3302/02 are equipped with modified wheels based to DIN 15093. The dimensions are conform of the TGL 34 986 and ensure the interchangeability and the regeneration of old cranes.

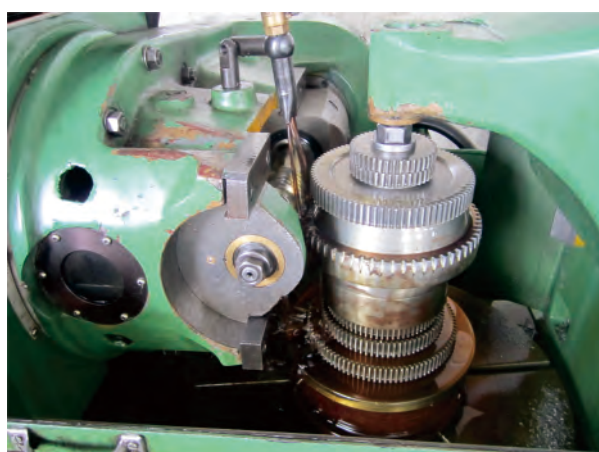
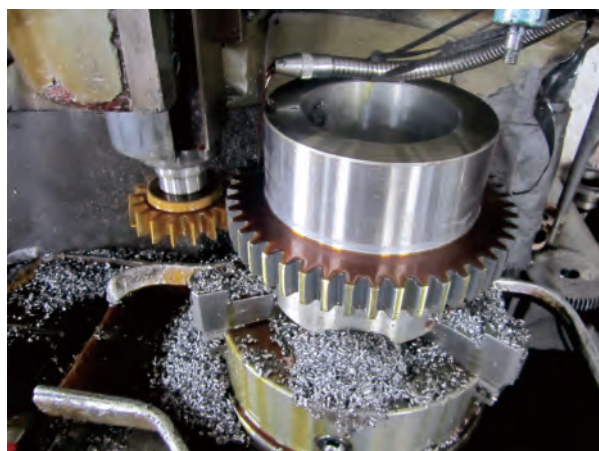
The shaft ends of the design D (driven wheels) for slip on gear mechanism of all manufacturers made to order for shrink disc, with keyway or splined to DIN 5480.

Wheels with roller bearings (caged bearings) similar to DIN 15 090 complete the product range as well as wheels in accordance to DIN 15 093 and TGL 34968.

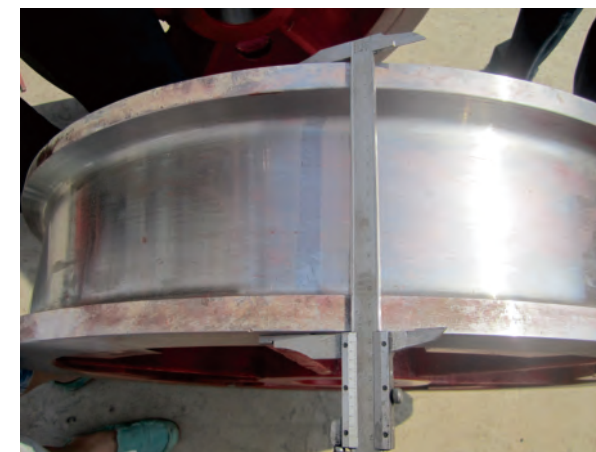




wheels processing workshop



Factory inspection





shipment by container



