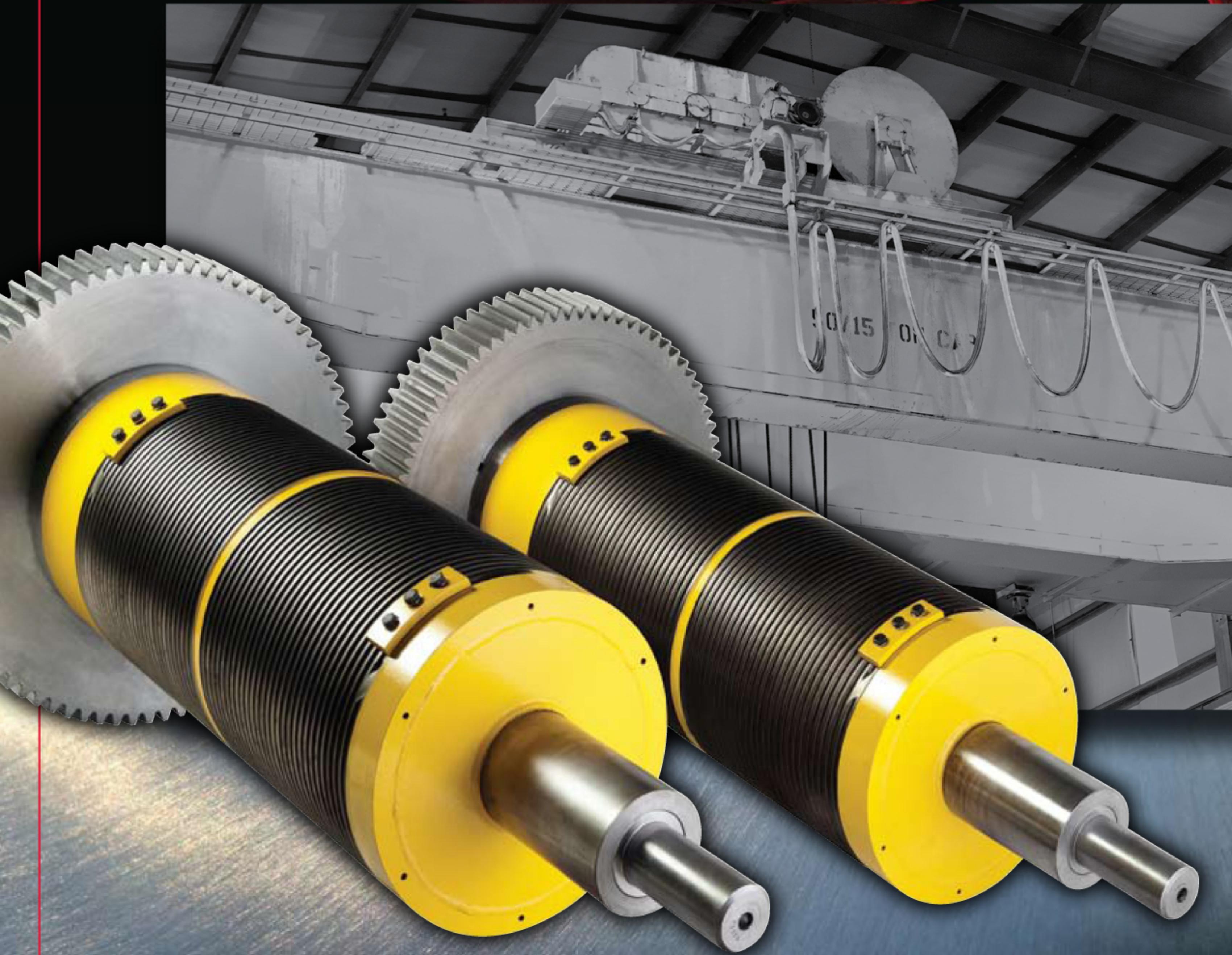


**Rope Drums**

**Xtelk**



**Engineered for increased  
service life and safety**

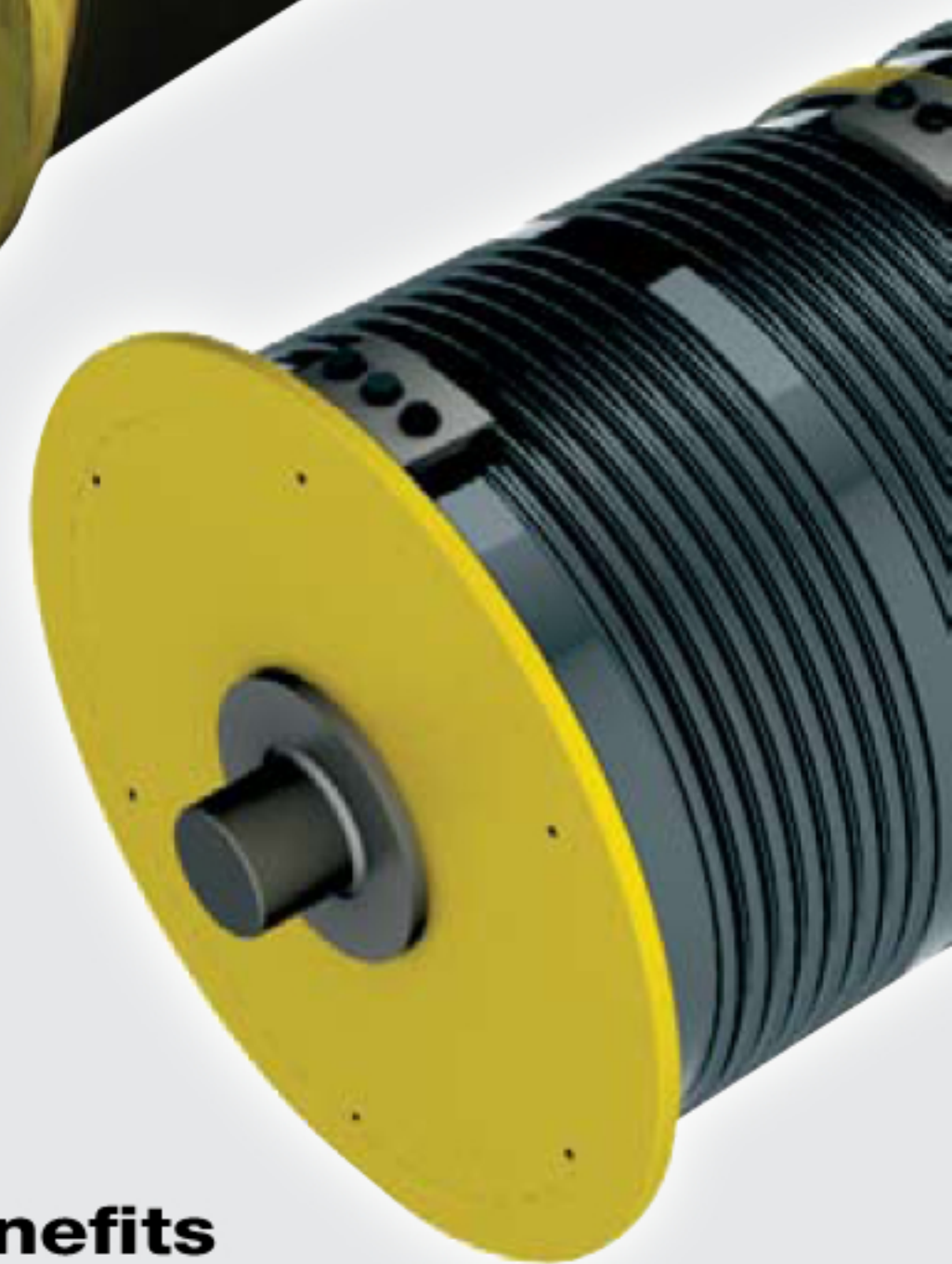


# Xtek Rope Drums

An Xtek Tool Steel Process (TSP) rope drum is manufactured from low carbon steel, which is carburized and hardened to produce a longer lasting rope drum. The Xtek TSP rope drum is designed to increase the life and to provide SAFE performance of the rope drum.

The hardened case of an Xtek TSP rope drum has a very uniform and wear resistant surface, which is typically hardened to 60 HRC minimum. The hardened and toughened case of the groove surface is approximately 0.100" to 0.150" deep. Hardened and toughened grooves lower the coefficient of friction between the rope and the grooves, decreasing groove wear, rope wear and related downtime costs.

- Thicker Sleeve
- Solid Hubs
- Through Shaft



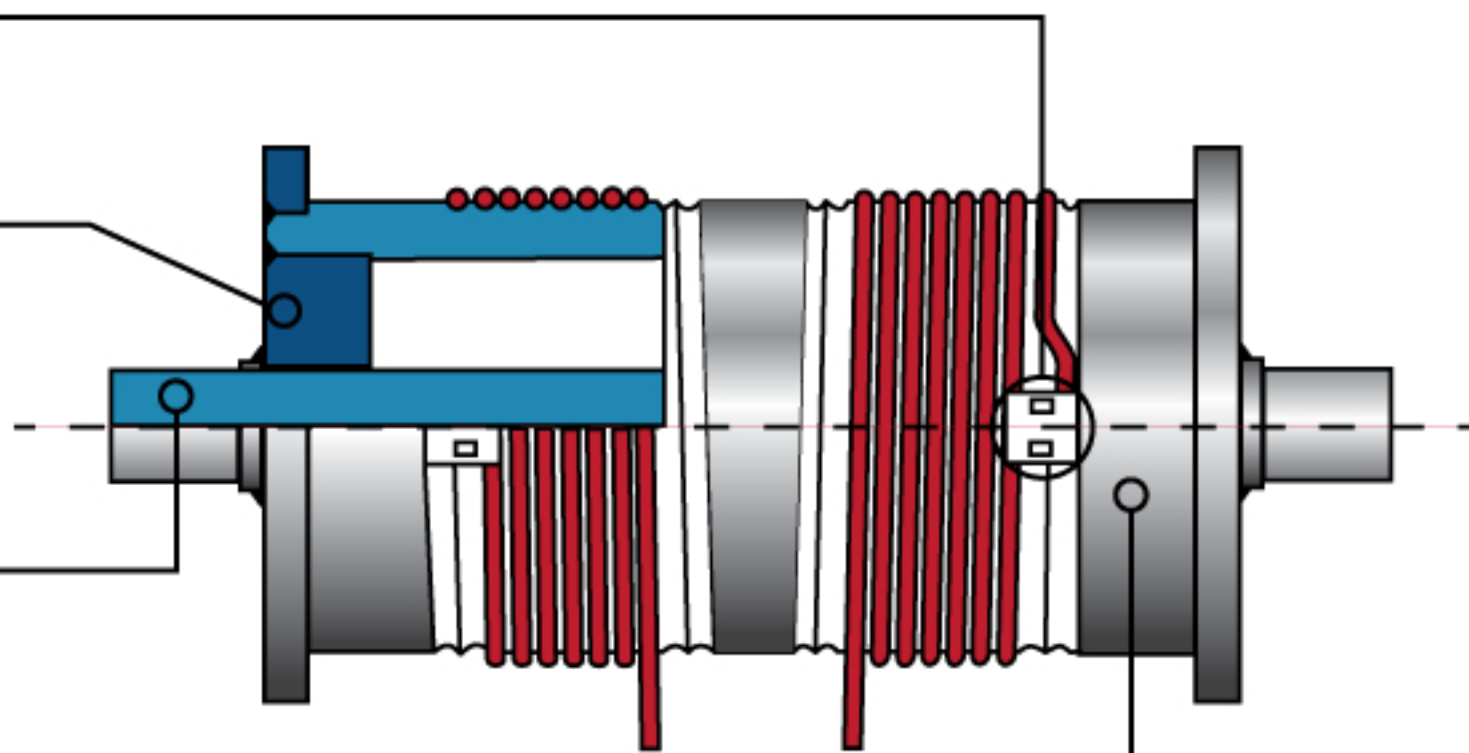
## Xtek TSP Rope Drum Design

*Clamping Design  
Increases Safety  
and Ease of  
Maintenance*

*Shrink-fit and  
Welded Hubs*

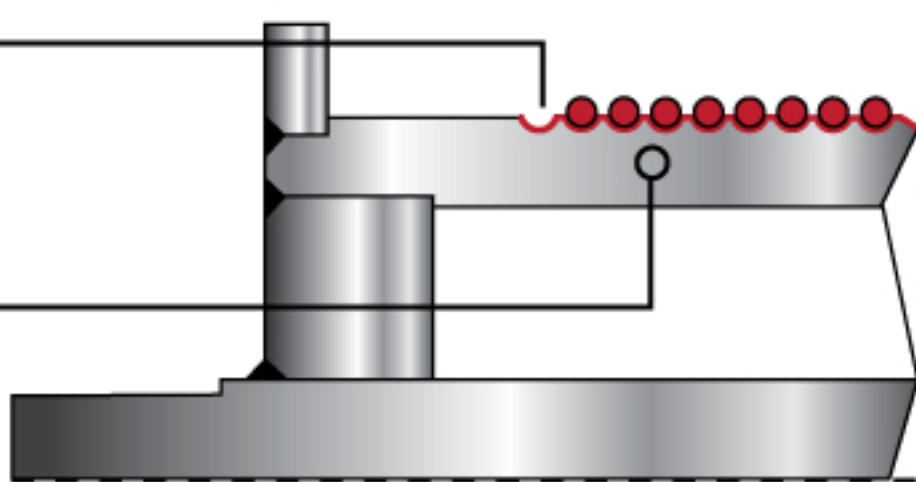
*Solid  
Through-Shaft*

*Low Carbon  
Steel Shell*



*Carburized and  
Hardened Grooves  
for longer Drum  
and Rope Life*

*Case Depth of  
0.100" to 0.150"  
throughout the  
Grooves*



## Benefits

- A significant increase in the life of the rope drum
- Reduced wire rope expense
- Less downtime
- Reduced maintenance costs
- SAFE – elimination of welds and through shaft provides a drum much more resistant to a catastrophic failure

## Heat Treating Capabilities

- TSP Carburized
- Flame Hardened or Annealed



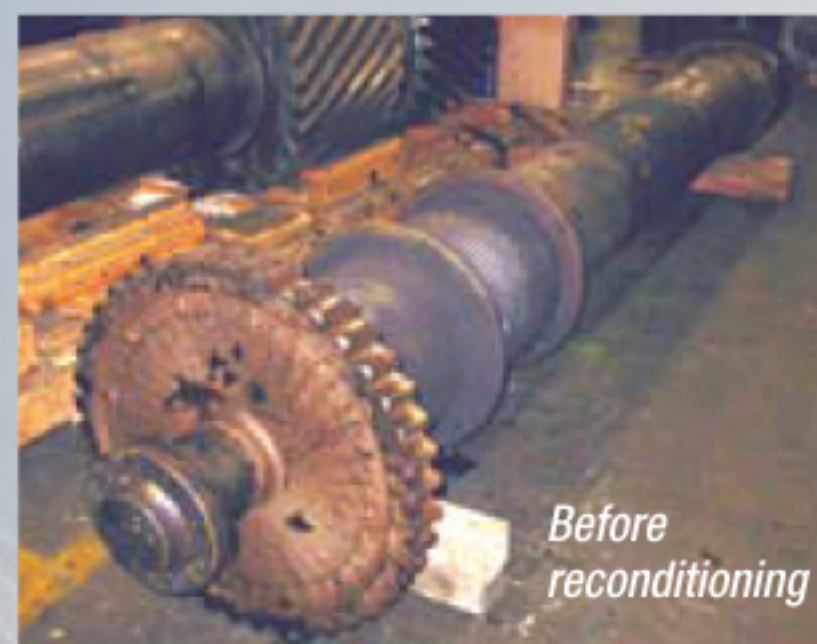


## Rope Drum Reconditioning Services

Xtek does an excellent job in reconditioning used rope drums. Common reconditioning opportunities are as follows:

- Re-grooving the sleeve (if the shell thickness is adequate)
- Replacing the drum gear
- Bearing and seal changes
- Shaft journal repairs or shaft replacement
- Replacing fabricated ends that have cracks (change to a solid hub design)

As an integral part of reconditioning a rope drum, Xtek engineering will evaluate the load capability of the drum to insure that any reduction in capability caused by reducing the thickness of the drum shell is within an acceptable level.



*Before  
reconditioning*



*After  
reconditioning*



# Xtek: A Trusted World Leader in Heavy Industry Components for Over 100 Years.



## Gearing & Gearboxes

- AGMA class 15 capability
- TSP carburizing to 58-62 Hrc
- Gear diameters from 10" - 100"
- Up to 100,000 pounds
- Reverse engineering and FEA analysis
- Gearbox reconditioning specialists



## Gear Spindle Couplings & Universal Joints

- World leader in couplings
- All driveshaft products are custom designed for your application
- All wear components TSP carburized to 58-62 Hrc
- Reconditioning specialists



## Hardened Steel Wheels & Wheel Assemblies

- Xtek crane, brake and sheave wheels are the industry's longest lasting wheel products
- Proprietary heat treatment provides industry's best performing wheels
- Emergency breakdown services available



## Below-the-hook Lifting Products

- Design & manufacturing of heavy duty lifting equipment
- Multiple options for handling coil, slab, sheet, ingot, tube and specialty products
- Licensed, professional engineers on staff
- Lifter inspection services
- Repair and retrofitting of all lifter brands

# Xtek

## Solutions in Motion

### Xtek, Inc.

11451 Reading Road  
Cincinnati, OH 45241  
513.733.7800  
513.733.7894 fax

[www.xtek.com](http://www.xtek.com)