



osborn



**Load  
Runners®**

**IDLER-ROLLERS AND RAILS**  
for High-Capacity Precision Load Handling



## About Osborn

Osborn is the global leader in surface treatment and finishing solutions, with more patents on products and processes than all other brush companies combined. Established in 1887 in Cleveland, Ohio, U.S.A., Osborn's innovative culture has produced numerous industry firsts, including LOAD RUNNERS® brand precision load-handling systems.

Osborn designed the world's first non-needle roller bearing idler roller nearly fifty years ago. Today, Load Runners is the world's leading idler-roller and rail solution, used in numerous industries from health care and primary metals to automotive and general manufacturing.

### Every Application Has Its Own Unique Profile

Engineering expertise and manufacturing skills are what set the Osborn brand apart. We collaborate with customers across the globe to solve their unique load-handling challenges all with one common goal: achieving optimum results. We consider many specific attributes before recommending a custom solution: moisture extremes, temperature, speed, load, lubrication requirement, operating environment, and cycle count.

In addition to thousands of standard products sold in more than 120 countries, Osborn offers local technical and customer support that's just a phone call or email away. No matter where you or your customers are located, you'll always have access to Osborn's application expertise and the industry's leading idler-roller/rail design and support team.

**We are Osborn and we are Load Runners.**



*These 180 mm V-groove Load Runners help guide the rack on an oil field hydro tester in the Middle East.*

## We Keep Things Moving...

Osborn Load Runners are the ultimate heavy-duty load rail and idler roller solution in the industry, providing precision performance across numerous applications. Available in all standard configurations, both metric or imperial, stud- or yoke-style, ranging in rolling sizes up to 12 inches (300 mm), Load Runners help reduce your design time and lower overall material handling system costs.



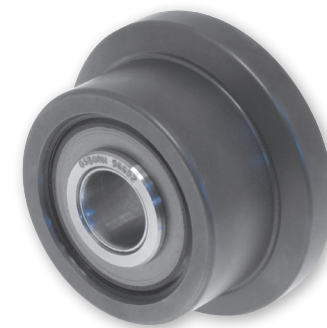
### Case History: Too Hot to Handle

A steel mill was experiencing premature bearing failure that it suspected was a lubrication problem. After nearly two years of replacing bearings far too frequently, the company called Osborn. Once on-site, the Osborn field sales engineer confirmed a lubrication problem, but also identified a more pressing issue...not only was the customer using undersized cam followers, but the application included significant shock loads that were damaging the bearings immediately upon installation.

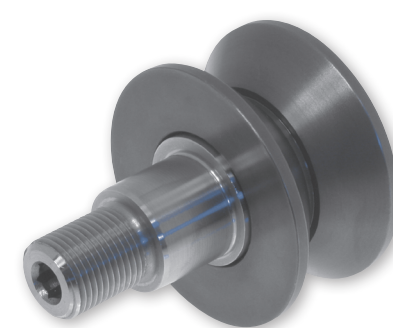
After solving the shock load issue, Osborn configured a completely new solution with case-hardened, eccentric Load Runners and used proprietary high-temperature lubrication. The old cam followers were lasting less than two months...now the mill's new Load Runners have been in service more than six months and they're still going strong.



Precision tapered roller bearings (larger sizes) and deep-groove ball bearings withstand heavy radial and thrust loads, as well as high speeds.



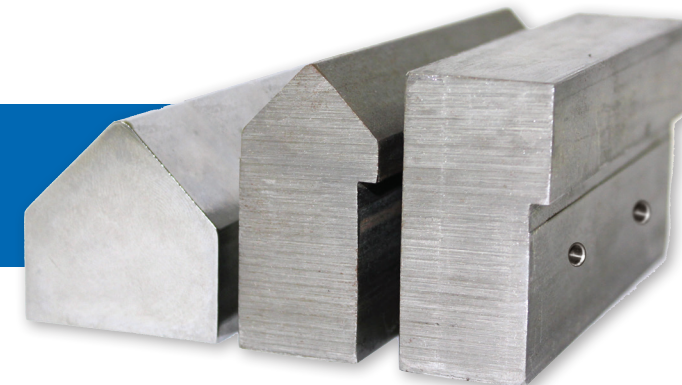
Through-shafts (yoke style) eliminate the need for further fabrication. All Load Runners are tightly sealed and lubricated for life to withstand dirt, sand and moisture.



Treads are machined from high-alloy steel, then case-hardened (Rc 55-60) for a wear-resistant outer shell and tough inner core.

Load Runners are also available with non-metallic treads, stainless steel components, special seals, and/or high temp lubricants.

Load Runners rails are made of high-strength steel and machined to tight tolerances, then cut to length and drilled to customer specifications.



### Case History: Stuck Between a Rock and a Hard Place

A large aggregate supplier was having premature cam follower bearing failure at the end of its heavy-duty material handling line. Loose material was falling onto the rails and repeatedly jamming the treads, causing both excess heat and breach of seal integrity.

Working with the local distributor, Osborn analyzed the application and reconfigured the quarry's rail and cam followers to a stock Load Runners V-groove set-up. The improvement over the previous solution was immediate and dramatic.

The resulting product performance was measured at more than five times that of the previous plain cam follower and rail combination. The company's investment in Load Runners translated into less downtime and increased productivity.

*Regardless of application, when it comes to heavy-duty demands, customers rely on Load Runners.*



## ... Roll With The Best!

Contact your local authorized Load Runner distributor today!

**1 800 720 5248**  
**[www.loadrunners.com](http://www.loadrunners.com)**





## Osborn Sells Solutions

### The Global Leader in Surface Treatment Solutions and Finishing Tools

- Abrasives
- ATB™ Power Brushes
- Chemical Products
- Load Runners® Idler Rollers and Rails
- Machines & Equipment
- Maintenance Brushes
- Polishing Buffs
- Polishing Compounds
- Punched/Staple-Set Brushes
- Road-Sweeping Brushes
- Strip Brushes
- Wide-Face Rollers
- Wire Power Brushes

#### Osborn

Tel: 800 720 5248

Web: [www.loadrunners.com](http://www.loadrunners.com)

Email: [rollers@osborn.com](mailto:rollers@osborn.com)



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