



ENGINEERED SOLUTIONS FOR PELLET MILLS

WE UNDERSTAND PELLET MILL BEARING NEEDS.

With our extensive product portfolio, Timken brings single-vendor performance and reliability to the pellet mill industry with a wide variety of mounted and unmounted bearing solutions including spherical and tapered roller bearings. Our global availability is comprised of authorized distributors with thousands of branch locations and regional warehouses. This helps to streamline your ordering experience and ensures that our products and solutions are ready worldwide when you need them.

Our broad solution selection, engineering expertise and reputation for quality means you only need one vendor to provide the bearings your operations demand.



Timken Advantages

- **Extensive product portfolio.** Our mounted and unmounted bearing portfolio is one of the broadest in the industry, from mounted to unmounted roller bearings.
- **Manufacturing excellence.** We deliver products with precision and reliability through our manufacturing standards, enhanced coatings and bearing customization.
- **Sales and service support.** The Timken team is dedicated to supporting pellet mill customers at every stage of the product development process – from application engineering and robust product launches to supply chain and end-user customer service.
- **Superior sealing solutions.** Timken mounted bearings feature unrivaled multi-point sealing solutions to help you keep grease in and contamination out.

Gain Solutions That Can Help:

Best-in-class products.

Global design and quality standards help us produce and deliver consistent, reliable and high-performing products anywhere in the world. Using the latest material science technology, manufacturing and innovation, we develop the right products for your application.


Product when you need it.

When you choose Timken, you can expect consistent, quality products that are available when and where you need them. We have inventory and off-the-shelf products specifically for pellet mill applications.

Longer bearing life.

Enhanced internal geometries help distribute load and minimize bearing stresses, increasing bearing load ratings in a power-dense package. You also get the performance you require through premium materials like ultra-clean steel, which helps extend bearing fatigue life.

AN IDEAL FIT FOR WOOD AND ANIMAL FEED PELLET MILLS

Application Conditions	Damage Mode	Timken Solution	Use Advantages
<ul style="list-style-type: none"> • Heavy loads and impacts • Misalignment • High temperatures • Debris and contamination 	<ul style="list-style-type: none"> • Thin lubrication film • Debris denting 	<p>Timken® tapered roller bearings</p> 	<ul style="list-style-type: none"> • Enhanced surface finishes • Optimized internal bearing geometries • Case-carburized rings and rollers (resistant to wear, fracturing and debris)
<ul style="list-style-type: none"> • Heavy loads and impacts • High temperatures 	<ul style="list-style-type: none"> • Spalling • Thin lubrication film 	<p>Timken® spherical roller bearings</p> 	<ul style="list-style-type: none"> • Increased bearing life • Cooler operating temperatures • Enhanced surface finishes
<ul style="list-style-type: none"> • Debris and contamination • Harsh environmental conditions 	<ul style="list-style-type: none"> • Foreign material • Water ingress 	<p>Timken® mounted bearings with multi-point sealing solutions</p> 	<ul style="list-style-type: none"> • Multiple steel-housing and locking options with complete multi-point sealing solutions, including a full range of end covers, to protect against contamination ingress • Triple-lip seal for superior sealing in wet and dirty applications • Auxiliary covers provide another layer of protection, helping bearings last longer • High-performance sealing solution improves grease retention and reduces contamination ingress
<ul style="list-style-type: none"> • Extreme radial and axial loads • Shock loads • Misalignment • Vibration 	<ul style="list-style-type: none"> • Spalling • Housing damage 	<p>Timken® solid-block mounted spherical roller bearings</p> 	<ul style="list-style-type: none"> • Cast steel housings can withstand significant vibration without cracking or breaking • Timken provides cast steel housings standard on spherical roller bearing solid-block mounted units

TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets bearings, gear drives, automated lubrication systems, belts, brakes, clutches, chain, couplings, linear motion products and related industrial motion rebuild and repair services.

Stronger. By Design.

www.timken.com