

Serving Industries Worldwide


Mining. Aggregate. Crushers.



Manufacturers of Ball and Roller Bearings



SCHEERER
BEARING CORPORATION



If the environment is harsh, such as in mining operations, the byproducts of the process (heat and dust) only act to exaggerate the stresses. Scheerer Bearings thrive in difficult environments.

Demand the Most from Your Industrial Bearings



Scheerer bearings are respected for outstanding industrial performance in jaw and cone crushers, vibrating screens, feeders, wash plant equipment and conveyors in addition to other mining, excavation and mineral processing machinery.

Bearings for Every Industrial Need Up to 100 in. O.D.

Mining operations seem to exaggerate the scale of everything, and that includes bearings. Scheerer bearings have ensured long operational life for some of the world's largest, most vital mining machinery. Whatever your needs, you can count on Scheerer to be your full-service bearing supplier. We manufacture, service and recondition all bearings up to 100 inch O.D.

Direct, Fast Replacement for All Major Brands

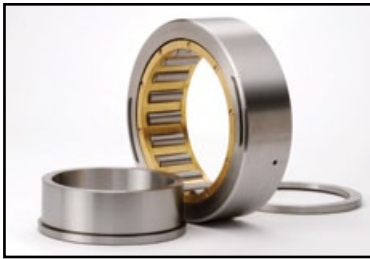
Scheerer bearings are designed to perfectly match the specifications of all major brands of mining, quarry and stone/mineral processing equipment. We provide bearings for plants as well as mobile machinery. Scheerer's mining industry customers have counted on us twofold: (1) superior bearings and (2) timely reconditioning of damaged bearings. Customers look to us for competitive advantage, cost-control and operational efficiency.

Helping to Mine and Process Raw Materials Worldwide



Thrust Roller Bearings

This bearing type has the highest possible load carrying capacity in the allotted volume making them capable of operating in shock prone applications with high safety margins. They offer the highest operational reliability and longest service life.



Single and Double Row Cylindrical Roller Bearings, with and without Self Aligning Feature

Single and Double Row Self-aligning cylindrical roller bearings allows the bearing to provide the highest operational reliability and longest service life even under severe misalignment. They are produced in both "axially-fixed" and "axially-floating" configurations. The latter compensates for thermally induced elongation and expansion.



Full Complement Cylindrical Roller Bearings

These bearings provide the highest possible load carrying capacity in the allotted volume by maximizing the number of rollers accounting for very heavy radial loads. This translates to increased equipment reliability with lower installed weight.



Spherical Roller Bearings

Double-row spherical roller bearings are capable of carrying heavy loads in both radial and axial directions. They are self-aligning, thus compensating for shaft deflections and seat misalignment. Available in a variety of standard and special designs, with cylindrical and tapered bore.

Guarantee

Scheerer Bearing guarantees that any bearing we manufacture or rework is free from defects in workmanship or material. Any bearing which is proven to be defective within one year from date of purchase will be replaced or reworked free of charge if the defective bearing is returned, charges prepaid, to Willow Grove, PA and the bearing is found to have been properly installed, lubricated, and used.



Predictive Maintenance, Bearing Optimization and Other Best Practices for Ultra-harsh Environments

Behind Scheerer Bearings customers will find engineering and productivity partners at your service — from design and specification to installation and operational monitoring.



Predictive Maintenance of Critical Bearings

Predictive maintenance of critical bearings in the difficult environments of mining and construction can minimize costly unscheduled downtime.

Scheerer Bearing works with customers to monitor and inspect bearings throughout the entire range of mining operations, from drilling equipment, crushers, conveyors and shaker screens. Our experts can help identify early signs of fatigue and component failure that could easily go unnoticed.

Scheerer Bearings are at work in every type of mineral processing, including diamond, coal, copper, iron ore, manganese, bauxite, aluminum, gypsum and precious metals.

Mining encounters a wide array of operational environments often forcing machinery to deal with highly dynamic loads. The result has been specialty bearings designed for the unique needs of the industry.



Bearing Optimization. The Right Bearing in the Right Place

Our diverse experience across the entire spectrum of bearing types ensures you have the optimum bearings for the harsh and high-load conditions of mining and construction.

Bearings designed to endure long spans between maintenance are ideal for the mining industry. Scheerer Bearings can incorporate special sealing and casing to maximize the productivity of your operations. We also use advanced, high-durability materials suited for the rigors of heavy industry where dust, contamination and corrosive environments are routine.

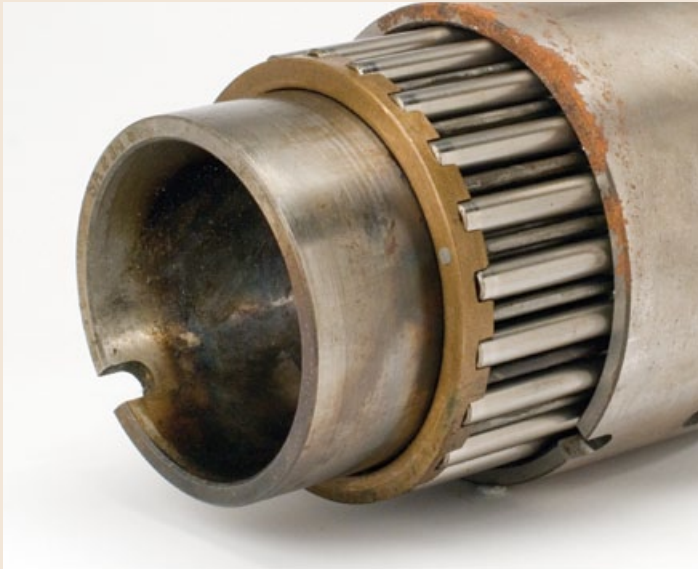
Installation and Proper Lubrication

It seems so obvious, but industry studies show that incorrect installation and improper lubrication programs are the most common causes for bearing failure and unplanned mining shutdowns.

When desired, Scheerer works to ensure your maintenance team fully understands how to install and maintain your bearings. As they say, knowledge is power. We've served leading mining and construction companies for decades. Put our knowledge to work for your operations.

Bearing Rebuilding & Reconditioning Program

The photographs below represent (left) a bearing submitted for reconditioning, and (right) the bearing as it would leave our reconditioning facility.



Rebuilding vs. Replacement: The Advantage is Obvious

Scheerer can typically rebuild a large bearing and deliver it to you in a fraction of the time required to manufacture a new bearing. We also provide emergency repair service (sometimes within a 24-hour period).

With companies looking ever closer to the bottom-line, we find customers with large bearing investments are looking to us to help them maximize the service lifetime of their bearings and their heavy machinery. Some companies schedule planned reconditioning of critical bearing components to ensure business operations stay on schedule at maximum output.

Serving All Major Industries

Whether your application is earth moving, mining, pulp and paper manufacturing, wind energy, oil drilling, steel, utilities, material handling or transportation, we can reduce your downtime with our high-efficiency quick-turn rebuild and reconditioning program.

We Routinely Rebuild Ultra-large Bearings up to 100 in. O.D.

Our rebuild capabilities include radial ball and roller bearings, ball and roller thrust bearings from 2 inch I.D. to 100 inch O.D. in many different designs and materials. Scheerer will rebuild any type or style of bearing from any manufacturer.

You Know in Advance What You Are Getting and How Much it Will Cost

When you send us your bearings, our technicians inspect them thoroughly on arrival. A simplified rating system is used to determine the work needed to restore the bearing's operational parameters and a firm estimate is prepared.

Fraction of the Time. Fraction of the Cost.
Factor in a Reconditioning Program for New Bearings

Scheerer Shaker Screen *Bearing Interchange*

Following is only a partial list of Shaker Screen bearings manufactured by Scheerer Bearing Corporation. Please keep in mind that we can manufacture replacement bearings from existing and special

designs, and provide a direct-replacement interchange to other manufacturers' bearing part numbers. We also offer repair services on these bearings. If you need assistance, please contact us at 215-443-5252.

Scheerer Number	Interchange Number	I.D. (mm)	O.D. (mm)	Width (mm)	
22308 EMSF 800	452308 M2 W22	40	90	33	
22309 EMSF 800	452309 M2 W22	45	100	36	
22310 EMSF 800	452310 M2 W22	50	110	40	
22311 EMSF 800	452311 M2 W22	55	120	43	
22312 EMSF 800	452312 M2 W22	60	130	46	
22313 EMSF 800	452313 M2 W22	65	140	48	
22314 EMSF 800	452314 M2 W22	70	150	51	
22315 EMSF 800	452315 M2 W22	75	160	55	
22316 EMSF 800	452316 M2 W22	80	170	58	
22317 EMSF 800	452317 M2 W22	85	180	60	
22318 HLMSF 800	452318 M2 W22	90	190	64	
22319 EMSF 800	452319 M2 W22	95	200	67	
22320 EMSF 800	452320 M2 W22	100	215	73	
22322 EMSF 800	452322 M2 W22	110	240	80	
22324 EMSF 800	452324 M2 W22	120	260	86	
22326 EMSF 800	452326 M2 W22	130	280	93	
22328 EMSF 800	452328 M2 W22	140	300	102	
22320 EMSF 800	452320 M2 W22	150	320	108	
22332 EMSF 800	452332 M2 W22	160	340	114	



Scheerer Crusher/Quarry *Bearing Interchange*

Following is only a partial list of Crusher/Quarry bearings manufactured by Scheerer Bearing Corporation. Please keep in mind that we can manufacture replacement bearings from existing and special designs, and

provide a direct-replacement interchange to other manufacturers' bearing part numbers. We also offer repair services on these bearings. If you need assistance, please contact us at 215-443-5252.

Scheerer	O.E.M./Telsmith	Messinger	American	Torrington	
10478-RINU	13-Y-76	13592	A-4431		
10479-RIUP	13-Y-77	11729	AJ-4424		
10480-RIJPT	13-Y-78	11730	ADP-4425		
10067-RINU	13-Y-81	4015	A-4529	S-4082-B	
10066-RIJPT	13-Y-75	6487	AJ-4430		
10065-RIU	13-Y-82	6486	ADP-4429		
10253-RIUP	13-Y-87	6742	AJ-4631	S-3588-B	
10252-RIPT	13-Y-86	6741	ADP-4631	S-1695-B	
10354-SP	16-T-81		APP-4977	S-4402-C	
10728-RINU	16-T-82		APP-11186		
10069-TP	10-E-18	14059	TP-18264	S-1703-B	
10653-SP	16-T-83		APP-13225	S-4400-C	
10070-TP	11-E-81		TP-27375	S-1745-A	
10254-SP	13-Y-88	13596	ACP-4765	S-2987-B	
10349-TP	10-S-47	14273	TP-12002	S-1705-B	
10350-TP	10-S-46	14259	TP-16002	S-1704-B	
10710-RNT	10-J-15			S-3013-B	
10437-RUP	10-J-16		AJ-4973	S-3017-B	
10753-TP			TP-32001	E-1739-C	
10042-RIT		6792	ADA-4535		
10043-RIU		6793	AD-4536		
10089-SP		4705	A-4724		
10981-RINU		5032	A-41005		
10593-RT		8890	ADA-4820		
10594-RU		8891	AD-4821		
10268-RINU		14664	A-4725		
10269-RNU		14666	A-41006		
10270-4P		15152	AXR-9163		
10417-RU		15239	AD-4726		
10143-RINU		4868			
10057-RIT		6753			
10058-RIU		6754			

Scheerer Product Line & Services

RADIAL BALL BEARINGS

Single Row Deep Groove
Double Row Deep Groove
Angular Contact
Double Row Angular Contact
Max-Capacity
Self-Aligning
Four Point Contact
Split Inner Race
Reciprocating
All Special Types

BALL THRUST BEARINGS

Flat seat-Grooved Races
Flat seat-Flat races
Self-Aligning
Banded
Single or Double Acting
Combination
Angular Contact
All Special Types

OTHER PRODUCTS

Combination Radial and Thrust Bearings
Large Diameter to over 100"
All Types of Special Bearings
Hardened and Ground Sleeves
Bearing Components
Slewing Ring Bearings

RADIAL ROLLER BEARINGS

Cylindrical
Single Row
Multi-Row
Cross Roller
Journal
All Special Types

ROLLER THRUST BEARINGS

Plain Type
Washers Only
Self-Aligning
Crane Hook
Combination
Single Acting
Double Acting
All Special Types

SERVICES

Bearing Repair and Reconditioning
Clearance Changes
Bore Tapering
Flush Grinding & Preloading
W-33 and W-26 Feature Additions
Snap Ring Grooving
Inspection Services
Ceramic Ball Installation
Special Coating Applications



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