

# Spherical Roller Bearings

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Vibratory Screen

# Spherical Roller Bearings for Vibratory Machinery



Operating conditions for NBC Spherical Roller Bearings in Vibratory machinery.



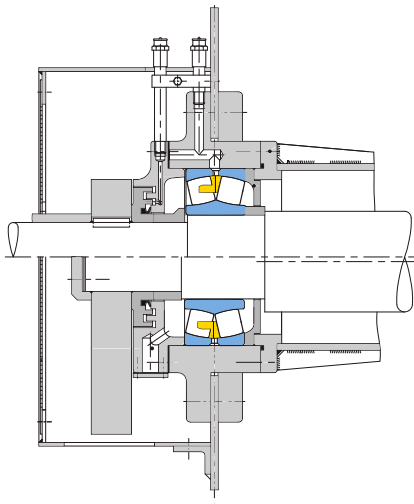
Vibratory screens, used for grading materials, and other vibratory machinery are subjected to some of the harshest operating conditions. These machines endure severe stresses, including high levels of vibration, shock loads, and continuous heavy-duty operation. To ensure optimal performance and minimize downtime, it is crucial that the bearings are capable of withstanding these extreme forces.



The Solution: NBC Spherical Roller Bearings with Advanced Technology.



NBC Bearings offers high-performance Spherical Roller Bearings, engineered to endure extreme loads and stresses in vibratory machinery exciter units. Built for reliability and durability, our bearings ensure superior performance in the toughest conditions.



## Key Features and Benefits

Feature	Benefits
<b>Controlled ID &amp; OD Tolerances</b>	Ensures optimum Operating clearance and reliable performance in demanding applications.
<b>Controlled C4 Internal Clearance</b>	Optimized Load Zone and operational clearance, reducing heat buildup and improving performance.
<b>Robust Outer Guided Cage Design</b>	Improved stability and reduced cage distortion in vibratory applications.
<b>Larger Rollers for Increased Load Capacity</b>	Enhances load-bearing capacity for smooth, efficient operation under extreme conditions.
<b>Enhanced Roller/Raceway Finishing</b>	Reduces friction, improves lubrication efficiency, and lowers operating temperatures, extending bearing life.





## Cage Options for NBC Spherical Roller Bearings

NBC Spherical Roller Bearings are available with two types of cages (Steel and Brass) to suit different operational needs:

Cage Type	Benefits
Steel Cage	<ul style="list-style-type: none"> <li>• Surface-hardened and lightweight design.</li> <li>• Suitable for high-speed applications.</li> <li>• Delivers reliable performance for most applications.</li> </ul> 
Brass Cage	<ul style="list-style-type: none"> <li>• Extra durability in extreme operating conditions.</li> <li>• Excellent performance under shock loads.</li> <li>• Suitable for high centrifugal loading and reversing applications.</li> </ul> 

Both cage options are designed to ensure optimal performance, providing durability and reliability in a wide range of demanding applications.

## NBC Bearing Solutions for Vibratory Screen

Sr. No.	SRB Part Number	ID (mm)	OD (mm)	Width (mm)	Basic Load Rating (kN)		Weight (Kg)
					Dynamic (Cr)	Static (Cor)	
1	22314CCKC4W33JAVS	70	150	51	354	426	4.4
2	22315CCC4W33JAVS	75	160	55	389	469	5.52
3	22316CCC4W33JAVS	80	170	58	435	529	6.5
4	22320CCC4W33JAVS	100	215	73	675	853	13.3
5	22320KCCC4W33JAVS	100	215	73	675	853	13.3
6	22322CCC4W33JAVS	110	240	80	824	1100	18.2
7	22324MAC4W33VS	120	260	86	1090	1120	22.7
8	22324CCC4W33JAVS	120	260	86	954	1235	22.4
9	22326MAC4W33VS	130	280	93	1176	1400	28.4
10	22326CCC4W33JAVS	130	280	93	1107	1450	29.2
11	22328MAC4W33VS	140	300	102	1350	1560	36.2
12	22330MAC4W33VS	150	320	108	1530	1760	44.75
13	22330CCC4W33JAVS	150	320	108	1411	1890	42.8
14	23332MAC4W33VS	160	340	136	1645	2430	61.3

**Note:** Other sizes and variations are also available as per customer requirements. For further assistance contact NEI application engineering team.

## OTHER PRODUCTS FROM NBC BEARINGS

Since the challenges faced by industry are many, NBC offers a diverse range of exceptional bearings.

**NBC bearings are available in sizes from 06 mm bore to 2000 mm outer diameter.**



Deep Groove Ball Bearing



Tapered Roller Bearing



Cylindrical Roller Bearing



Needle Roller Bearing



Spherical Roller Bearing Steel Cage



Double Row Angular Contact Bearing



Double Row Tapered Roller Bearing



Sealed Spherical Roller Bearing



Spherical Roller Bearing Brass Cage



Spherical Roller Thrust Bearing



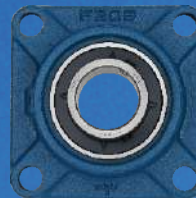
Insulated Ball Bearing



Hybrid Ball Bearing



Oil Impregnated Bearing



Pillow Block UCF



Pillow Block UCP



4 Row Cylindrical Roller Bearing Steel Cage



4 Row Cylindrical Roller Bearing Brass Cage



4 Row Tapered Roller Bearing



4 Row Sealed Tapered Roller Bearing



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