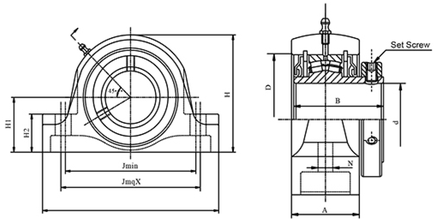
223 | 20 | V | M | C4 | W33

- Bearing series symbols (Bearing type + width series + diameter series): 223
- Bearing bore (Bore number): 20
- Bearing symbols for vibrating machines: V
- One-piece brass cage: M
- C4 radial clearance: C4
- groove with 3 lubrication holes in outer ring: W33

## Shaker Screen Bearings

| Designation | Ref. Weight (kg) | d (mm) | tolerance (μm) | D (mm) | tolerance (μm) | B (mm) | Chamfer (μm) | Radial Clearance (μm) | Basic load Dynamic Cr(KN) | Basic load Static Cor(KN) | Limiting speed Grease | Limiting speed oil |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22320VM/C4/W33 | 12.60 | 100 | -20~0 | 215 | -30~0 | 73 | 3.0 | 135~180 | 670 | 830 | 1700 | 2200 |
| 22322VM/C4/W33 | 17.50 | 110 | -20~0 | 240 | -30~0 | 80 | 3.0 | 160~210 | 815 | 1080 | 1500 | 1900 |
| 22324VM/C4/W33 | 21.90 | 120 | -20~0 | 260 | -35~0 | 86 | 3.0 | 160~210 | 930 | 1200 | 1400 | 1800 |
| 22326VM/C4/W33 | 27.10 | 130 | -15~0 | 280 | -23~-10 | 93 | 4.0 | 190~240 | 1080 | 1400 | 1300 | 1700 |
| 22328VM/C4/W33 | 34.10 | 140 | -15~0 | 300 | -23~-10 | 102 | 4.0 | 190~240 | 1250 | 1630 | 1200 | 1600 |
| 22330VM/C4/W33 | 40.90 | 150 | -25~0 | 320 | -40~0 | 108 | 4.0 | 220~280 | 1400 | 1860 | 1100 | 1500 |
| 22332VM/C4/W33 | 51.10 | 160 | -15~0 | 340 | -28~-13 | 114 | 4.0 | 220~280 | 1370 | 1760 | 1000 | 1400 |
| 22334VM/C4/W33 | 59.70 | 170 | -25~0 | 360 | -40~0 | 120 | 4.0 | 240~310 | 1530 | 2000 | 950 | 1300 |
| 22336VM/C4/W33 | 69.40 | 180 | -25~0 | 380 | -40~0 | 126 | 4.0 | 240~310 | 1660 | 2160 | 850 | 1100 |
| 22338VM/C4/W33 | 81.20 | 190 | -30~0 | 400 | -40~0 | 132 | 5.0 | 240~310 | 1800 | 2360 | 850 | 1100 |
| 22340VM/C4/W33 | 91.80 | 200 | -30~0 | 420 | -45~0 | 138 | 5.0 | 260~340 | 2000 | 2650 | 800 | 1000 |
| 22344VM/C4/W33 | 119.0 | 220 | -30~0 | 460 | -45~0 | 145 | 5.0 | 290~380 | 2240 | 3150 | 700 | 900 |
| NU2312ECM+HJ2312E/C9 | 3.40 | 60 | -15~0 | 130 | -18~0 | 46 | 2.1 | According to customer's request | 224 | 260 | 4300 | 5000 |
| NU2316ECM+HJ2316E/C9 | 6.92 | 80 | -15~0 | 170 | -25~0 | 58 | 2.1 | According to customer's request | 355 | 425 | 3200 | 3800 |
| NU2330ECM+HJ2330E/C9 | 49.10 | 150 | -25~0 | 320 | -40~0 | 108 | 4.0 | According to customer's request | 1160 | 1600 | 1700 | 2000 |




SRP | 2 3/16

- Spherical Roller Bearing-Collar Mounted: SRP
- Bearing bore dimension: 2 3/16

## SRP Series Unit Bearings

| Designation | Ref. Weight (kg) | d (mm) | tolerance (μm) | D (mm) | tolerance (μm) | B (mm) | Chamfer (μm) | Radial Clearance (μm) | Basic load Dynamic Cr(KN) | Basic load Static Cor(KN) |
|---|---|---|---|---|---|---|---|---|---|---|
| SRP2 3/16 | 5.0 | 55.56 | 0~+0.025 | 100 | -0.015~0 | 79.38 | 1.5 | 0.040~0.065 | 5.0 | 126 |
| SRP2 7/16 | 7.5 | 61.91 | 0~+0.025 | 120 | -0.015~0 | 85.73 | 1.5 | 0.040~0.065 | 7.5 | 190 |
| SRP2 15/16 | 10.0 | 74.61 | 0~+0.035 | 130 | -0.018~0 | 92.08 | 1.5 | 0.050~0.080 | 10.0 | 225 |
| SRP3 7/16 | 15.0 | 87.31 | 0~+0.035 | 160 | -0.025~0 | 102.40 | 2.0 | 0.060~0.100 | 15.0 | 364 |
| SRP3 15/16 | 20.0 | 100.00 | 0~+0.035 | 180 | -0.025~0 | 116.70 | 2.1 | 0.060~0.100 | 20.0 | 436 |

# Network

## International

**Global Brand, Global Strategy**

UBC
An IKO Company

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Bearings for Mining Solutions

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UBC
An IKO Company

**Global Brand, Global Strategy**

UBC®
An IKO Company

UBC, with nearly 20 years of experience, aims to be a leader in the bearing industry by providing solutions to current bearing needs.

UBC is a strong link in the global supply chain by providing high-grade, competitively-priced bearing products worldwide.

UBC's unique market positioning, production expertise and manufacturing capability coupled with proactive before-and-after-sales service provides advantages to bearing users worldwide. UBC currently has a distribution network in over 30 countries that spans across Asia, Europe, Africa, North & South America, all of which aims to provide end-users with UBC bearing solutions.

Discover UBC…

## UBC Shaker Screen Bearings

**Tough jobs need tough machines**

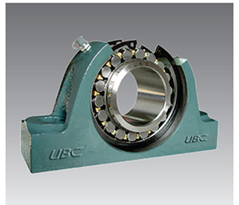
UBC Shaker Screen Bearings are precision engineered products which use top-quality bearing steel. This steel is temperature-stabilized to perform at higher working temperature and is precision machined to a rigid tolerance range. Built to withstand the severe working conditions of shaker screen equipment - constant heavy and vibrating loads are not a match for these tough machines. If you've got a particularly unforgiving job, we've got a particularly unrelenting bearing.

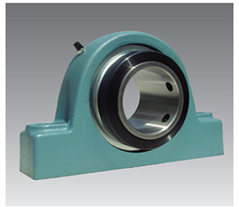
Structure - UBC Shaker Screen units come with a double-row spherical roller bearing or a single-row cylindrical roller bearing, both built with a specially forged brass cage to provide low noise operation even in the worst conditions.

Clearance - Extra large C4 Clearance is standard. For other specific clearance requirements, please contact UBC Engineering.

UBC Shaker Screen bearings are available in 223** series, marked with a V suffix to distinguish it from other bearings. Other specifications include:

V - For Vibration application
M - One-piece brass cage
A - Outer race leading
E - Reinforced structure
C4 - C4 radial clearance
K - Tapered bore, taper 1:12
K30 - Tapered bore, taper 1:30





## UBC Spherical Roller Bearings-Collar Mounted - SRP Series

**This compact bearing unit is a heavyweight**

UBC's SRP Solid Housing roller bearing units are assembled with bearing housings especially designed to withstand heavy loads in rugged applications and operating conditions. Together with UBC extra-wide inner race, double-row spherical roller bearings, they utilize state-of-the-art friction reduction technology to provide you with easy-to-mount bearing units with the same high operational reliability you can expect from UBC Bearings.

1. Extra-high load capacity: UBC spherical roller bearings assures carrying extra heavy loads;
2. Easy-to-mount Design: Convenient installation with specially designed extra-wide inner race and a concentric collar, with setscrew;
3. Self-aligning: Shaft alignments with a scope of up to ± 1 1/2°;
4. Extended width on the shaft: UBC bearing inserts can have an axial extension of up to 1.6mm in the housing unit;
5. Low Maintenance: Dustproof, with tri-lips seals that prevent grease leakage;
6. Relube: SRP units are easily re-lubricated through the use of a grease pistol;
7. Available in two types: Fixed (non-expansion) and Floating (expansion) unit. If Fixed type is required, a suffix H is attached.

## Bearings for Mining Solutions

CA series bearings are double-row self-aligning spherical roller bearings with a machined brass cage that have a high load capacity, superior durability, and are resistant to wear. The CA series are especially suitable for applications that operate under heavy or shock load conditions.

### CA Series Spherical Roller Bearings

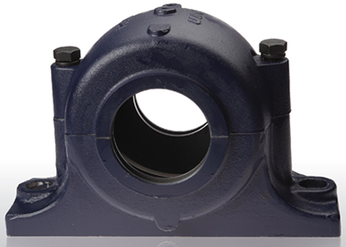
EM series bearing are cylindrical roller bearings capable of carrying particularly large radial loads and are suitable for high-speed application. The EM Series features an one-piece brass cage. It offers high-load capacity for standard-size bearings, in addition to excellent functionality and longer operating life.

### EM Series Cylindrical Roller Bearings

Bearings for Mining Solutions

VM series bearings are CA series bearings that have been optimized for harsh vibration applications, including vibrating screens and feeders.

### VM Series Spherical Roller Bearings



Plummer blocks are bearing housings that provide high rigidity and sealing capability for large machinery and heavy load applications. Plummer blocks are available in a wide range of types and models for various applications. The two global-standard types of plummer blocks, SN and SD, are available for large-scale heavy-load applications.

### Plummer Blocks