

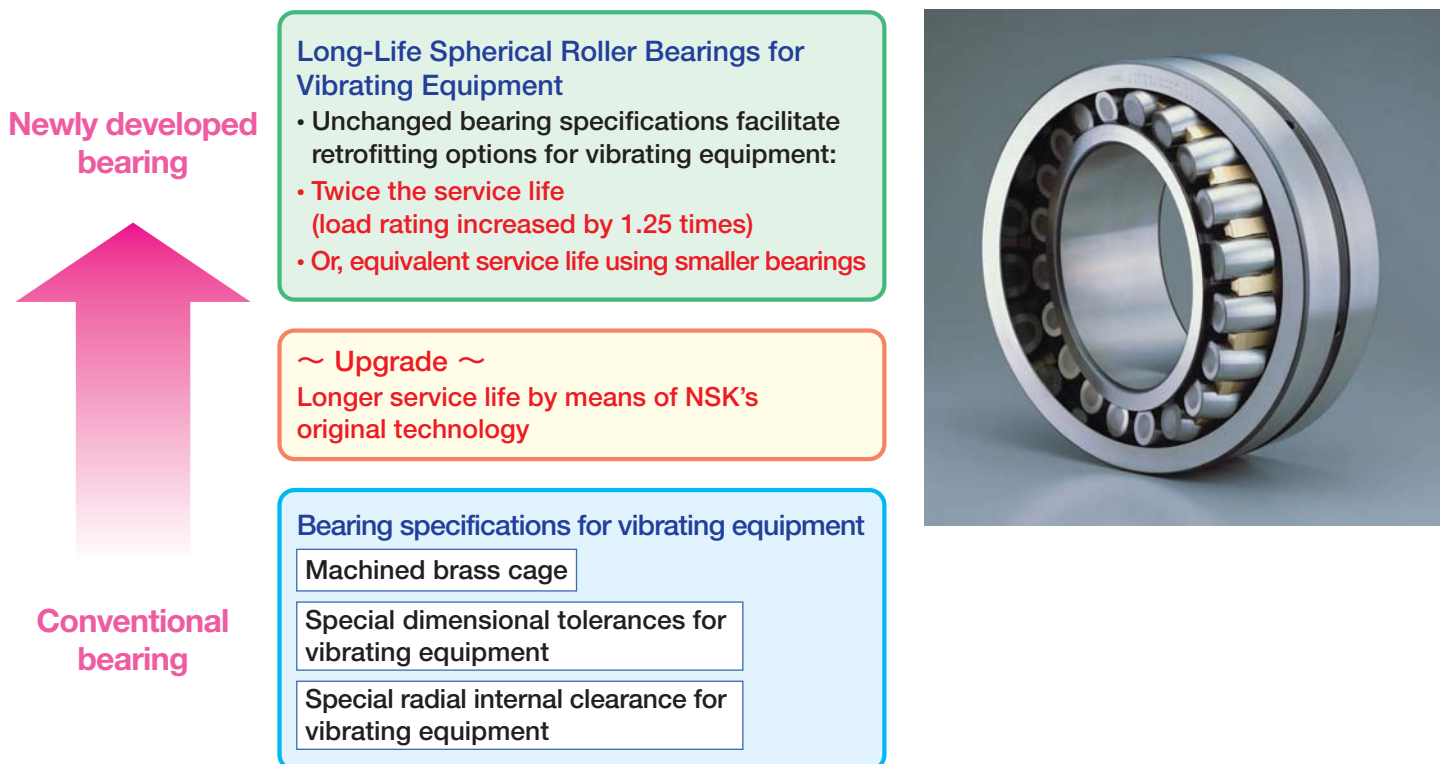
Bearing Series Designed Exclusively for Mining Machinery

Long-Life Spherical Roller Bearings for Vibrating Equipment in the Mining Industry

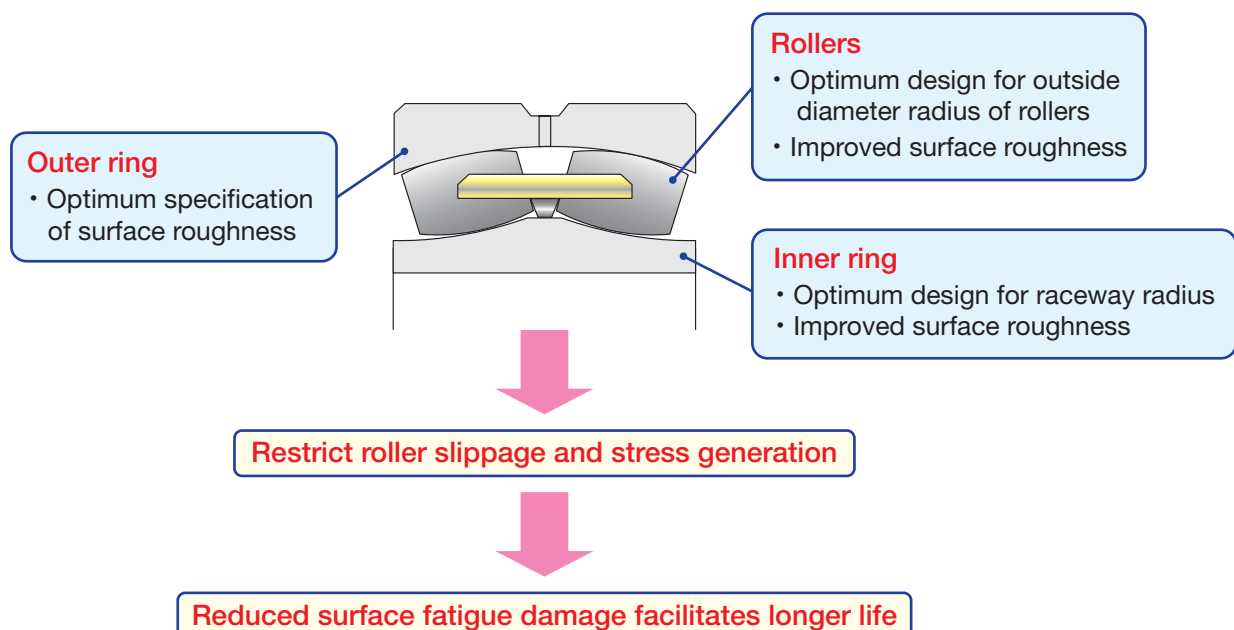
NSK's long-life bearings provide operators of vibrating equipment the benefits of increased uptime and a higher degree of reliable performance.

■ Features

1. Service life of NSK's newly developed spherical roller bearing offers customers a twofold increase over conventional bearings.



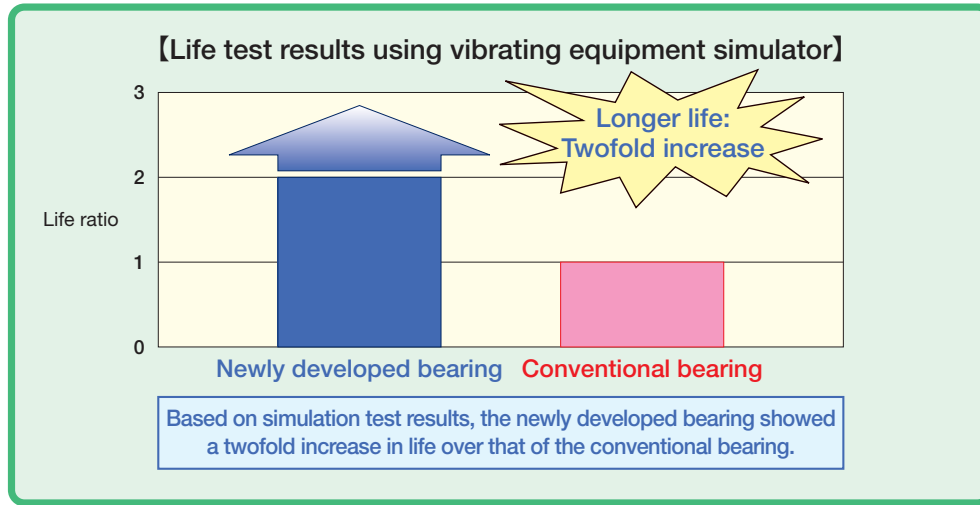
2. Long-life technology - bearing specification



Long-Life Spherical Roller Bearings for Vibrating Equipment

Long life technology - Life ratio

- ◆ Newly developed spherical roller bearings for vibrating equipment feature longer life and higher reliability



Product Lineup

| Bearing number | Basic load rating (kN) | | Boundary dimensions (mm) | | | | Radial internal clearance (Cylindrical bore) | | |
|------------------|------------------------|-------|--------------------------|----------------|-----------------------|----------------|--|----------|----------|
| | Cr | Cor | Bore diameter (mm) | Tolerance (μm) | Outside diameter (mm) | Tolerance (μm) | Width (mm) | VS3 (μm) | VS4 (μm) |
| 22308CAME4-VS() | 152 | 129 | 40 | 0 -7 | 90 | -5 -13 | 33 | 50~60 | 65~80 |
| 22309CAME4-VS() | 185 | 167 | 45 | | 100 | | 36 | 60~75 | 85~100 |
| 22310CAME4-VS() | 232 | 211 | 50 | | 110 | | 40 | 75~90 | 100~120 |
| 22311CAME4-VS() | 261 | 241 | 55 | 120 | 43 | | | | |
| 22312CAME4-VS() | 305 | 288 | 60 | 130 | 46 | | | | |
| 22313CAME4-VS() | 330 | 315 | 65 | 0 -9 | 140 | -5 -18 | 48 | 90~110 | 120~145 |
| 22314CAME4-VS() | 380 | 370 | 70 | | 150 | | 51 | | |
| 22315CAME4-VS() | 425 | 415 | 75 | | 160 | | 55 | | |
| 22316CAME4-VS() | 485 | 480 | 80 | 0 -12 | 170 | -10 -23 | 58 | 110~135 | 150~180 |
| 22317CAME4-VS() | 520 | 510 | 85 | | 180 | | 60 | | |
| 22318CAME4-VS() | 605 | 595 | 90 | | 190 | | 64 | | |
| 22319CAME4-VS() | 655 | 675 | 95 | 0 -15 | 200 | -13 -28 | 67 | 135~160 | 180~210 |
| 22320CAME4-VS() | 750 | 785 | 100 | | 215 | | 73 | | |
| 22322CAME4-VS() | 925 | 980 | 110 | | 240 | | 80 | | |
| 22324CAME4-VS() | 1,060 | 1,120 | 120 | 0 -18 | 260 | -13 -28 | 86 | 160~190 | 205~240 |
| 22326CAME4-VS() | 1,240 | 1,350 | 130 | | 280 | | 93 | | |
| 22328CAME4-VS() | 1,450 | 1,590 | 140 | | 300 | | 102 | | |
| 22330CAME4-VS() | 1,530 | 1,690 | 150 | 0 -15 | 320 | -13 -28 | 108 | 190~220 | 240~280 |
| 22332CAME4-VS() | 1,700 | 1,900 | 160 | | 340 | | 114 | | |
| 22334CAME4-VS() | 1,970 | 2,110 | 170 | | 360 | | 120 | | |
| 22336CAME4-VS() | 2,170 | 2,340 | 180 | 0 -18 | 380 | -13 -28 | 126 | 200~240 | 260~310 |
| 22338CAME4-VS() | 2,370 | 2,590 | 190 | | 400 | | 132 | | |

VS(): Replace parentheses and indicate “VS3” or “VS4” when ordering.

For more information about NSK products, please contact: www.nsk.com