

Spherical Roller Bearings for Vibrating Equipment

Vibrating equipment bearings from NSK are engineered specifically to withstand the high speed, shock loading, misalignment and marginal lubrication conditions typical of vibratory equipment. NSK vibrating screen bearings are available in two basic designs, high capacity CAM-VS type and extra capacity H-VS type. Performance enhancements include extra precision on the outside diameter and bore; extremely tight radial clearance; and superfinished, specially heat-treated rollers with superior shock load capacity.



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Features and Benefits

CAM-VS Type Bearings

- High capacity design
- Heavy duty, one-piece, centrifugally cast machined brass cage
- Symmetrical rollers with specially contoured surfaces
- Long life
- High strength for increased stamina prevents breakdowns and gives better roller guidance
- One-piece staggered pocket improves running performance and high speed capability
- Higher speed capability, high capacity and longer life
- Special contours reduce raceway and roller stress for cooler operation

H-VS Type Bearings

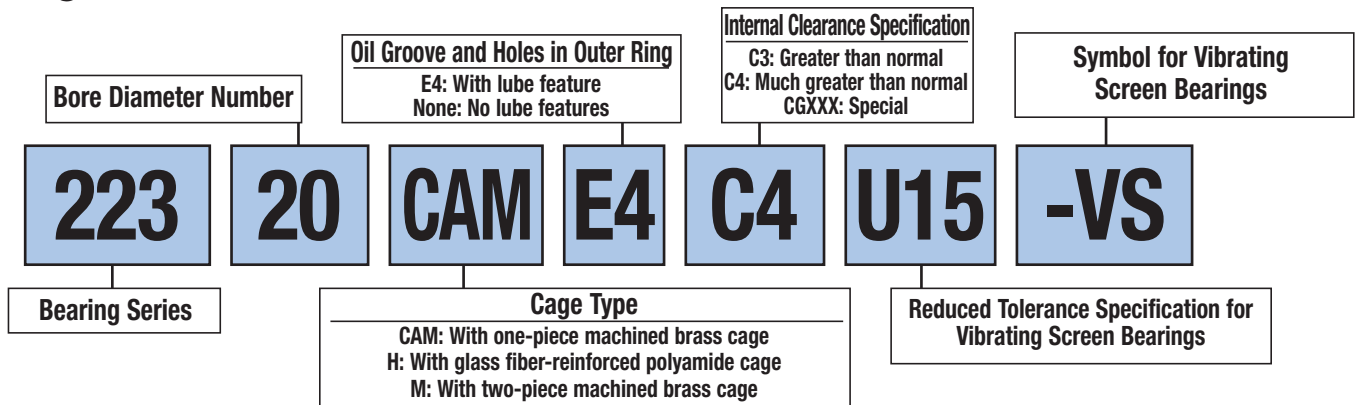
- Extra capacity design
- Heavy duty, two-piece, molded polyamide cage with contoured pockets
- Symmetrical rollers with specially contoured surfaces
- Provides maximum capacity within the same bearing size for longer life
- High strength fiberglass increases stamina, prevents breakdowns
- Contoured pockets give better roller guidance
- Two-piece design allows better performance in vertical units
- Each path operates independently to prevent added stress to raceways and rollers under adverse conditions
- Higher speed capability, high capacity and longer life
- Special contours reduce raceway and roller stress for cooler operation

Interchange Table

NSK	Torrington	SKF	FAG
22308HE4C4U15-VS 22309HE4C4U15-VS 22310HE4C4U15-VS 22311CAME4C4U15-VS 22312CAME4C4U15-VS	22308VCFW33C4 22309VCFW33C4 22310VCFW33C4 22311YMW33W800C4 22312YMW33W800C4	452308CACM2/W502 452309CACM2/W502 452310CACM2/W502 452311CACM2/W502 452312CACM2/W502	22308ESTVPBC4F80 22309ESTVPBC4F80 22310ESTVPBC4F80 22311ASMAC4F80 22312ASMAC4F80
22313CAME4C4U15-VS 22314CAME4C4U15-VS 22315CAME4C4U15-VS 22316CAME4C4U15-VS 22317CAME4C4U15-VS	22313YMW33W800C4 22314YMW33W800C4 22315YMW33W800C4 22316YMW33W800C4 22317YMW33W800C4	452313CACM2/W502 452314CACM2/W502 452315CACM2/W502 452316CACM2/W502 452317CACM2/W502	22313ASMAC4F80 22314ASMAC4F80 22315ASMAC4F80 22316ASMAC4F80 22317ASMAC4F80
22318CAME4C4U15-VS 22319CAME4C4U15-VS 22320CAME4C4U15-VS 22322CAME4C4U15-VS 22324CAME4C4U15-VS	22318YMW33W800C4 22319YMW33W800C4 22320YMW33W800C4 22322YMW33W800C4 22324YMW33W800C4	452318CACM2/W502 452319CACM2/W502 452320CACM2/W502 452322CACM2/W502 452324CACM2/W502	22318ASMAC4F80 22319ASMAC4F80 22320ASMAC4F80 22322ASMAC4F80 22324ASMAC4F80
22326CAME4C4U15-VS 22328CAME4C4U15-VS 22330CAME4C4U15-VS 22332CAME4C4U15-VS 22334CAME4C4U15-VS	22326YMW33W800C4 22328YMW33W800C4 22330YMW33W800C4 22332YMW33W800C4 22334YMW33W800C4	452326CACM2/W502 452328CACM2/W502 452330CACM2/W502 452332CACM2/W502 452334CACM2/W502	22326ASMAC4F80 22328ASMAC4F80 22330AMAC4F80 22332AMAC4F80 22334AMAC4F80
22336CAME4C4U15-VS 22338CAME4C4U15-VS 22340CAME4C4U15-VS	22336YMW33W800C4 22338YMW33W800C4 22340YMW33W800C4	452336CACM2/W502 452338CACM2/W502 452340CACM2/W502	22336AMAC4F80 22338AMAC4F80 22340AMAC4F80
23322CAME4C4U15-VS 23324CAME4C4U15-VS 23326CAME4C4U15-VS 23328CAME4C4U15-VS 23330CAME4C4U15-VS	23322YMW33W800C4 23324YMW33W800C4 23326YMW33W800C4 23328YMW33W800C4 23330YMW33W800C4	453322CACM2/W502 453324CACM2/W502 453326CACM2/W502 453328CACM2/W502 453330CACM2/W502	23322ASMAC4F80 23324ASMAC4F80 23326ASMAC4F80 23328ASMAC4F80 23330ASMAC4F80

Note Interchange recommendations provide a convenient guide for bearing substitutions. The recommendations apply in most instances. However, for unusual applications, please consult the NSK Engineering Department. NSK assumes no liability for interchange errors or omissions.

Bearing Nomenclature



NSK products are stocked and distributed by

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