

Timken® Shaker Screen Spherical Roller Bearing Interchange Guide

TIMKEN

Where You Turn

Timken® Spherical Roller Bearings For Shaker Screens

Timken® spherical roller bearings are ideally suited for shaker screen applications because they are manufactured from the finest steels using the highest quality standards. In fact, our standard bearing material minimizes the impact of debris in harsh environments, like those commonly found in the aggregate industry. At the core of the design, Timken offers a fully-machined brass cage. The benefits of the brass cage are numerous, including greater durability and cooler operation. New surface finishing techniques on the roller and raceway surfaces further enhance these benefits.

Features

- High-quality steel
- Enhanced roller surface finishes
- Enhanced race surface finishes
- High-strength brass material
- Centrifugally cast, fully-machined Type YM or YMB cage

Benefits

- Enhanced cage design provides lower running temperatures.
- Optimized roller end geometry improves roller guidance.
- Improved roller stability is provided by cage wrap.



23 Series

MM	TIMKEN PART NUMBER	FAG	SKF	NSK	NTN
40	22308 YM W33 W800 C4	22308 EAS.MA.T41A	22308 E/VA405	22308 HE4C4U15-VS	22308 CVS2
45	22309 YM W33 W800 C4	22309 EAS.MA.T41A	22309 E/VA405	22309 HE4C4U15-VS	22309 CVS2
50	22310 YM W33 W800 C4	22310 EAS.MA.T41A	22310 E/VA405	22310 HE4C4U15-VS	22310 CVS2
55	22311 YM W33 W800 C4	22311 EAS.MA.T41A	22311 E/VA405	22311 CAME4C4U15-VS	22311 BVS2
60	22312 YM W33 W800 C4	22312 EAS.MA.T41A	22312 E/VA405	22312 CAME4C4U15-VS	22312 BVS2
65	22313 YM W33 W800 C4	22313 EAS.MA.T41A	22313 E/VA405	22313 CAME4C4U15-VS	22313 BVS2
65	22313 YM W800 C4	-	-	-	-
70	22314 YM W33 W800 C4	22314 EAS.MA.T41A	22314 E/VA405	22314 CAME4C4U15-VS	22314 UAVS2
70	22314 YM W800 C4	-	-	-	-
75	22315 YM W33 W800 C4	22315 EAS.MA.T41A	22315 EJA/VA405	22315 CAME4C4U15-VS	22315 UAVS2
75	22315 YM W800 C4	-	-	-	-
75.054	22315 YM W47 W22 C3	22315 EAS.MA.T41B	22315 EJA/VA414 *	-	-
80	22316 YM W33 W800 C4	22316 EAS.MA.T41A	22316 EJA/VA405	22316 CAME4C4U15-VS	22316 UAVS2
85	22317 YM W33 W800 C4	22317 EAS.MA.T41A	22317 EJA/VA405	22317 CAME4C4U15-VS	22317 UAVS2
85	22317 YM W800 C4	-	-	-	-
90	22318 YM W33 W800 C4	22318 EAS.MA.T41A	22318 EJA/VA405	22318 CAME4C4U15-VS	22318 UAVS2
80	22318 YM W810 C4	-	-	-	-
95	22319 YM W33 W800 C4	22319 EAS.MA.T41A	22319 EJA/VA405	22319 CAME4C4U15-VS	22319 UAVS2
95	22319 YM W800 C4	-	-	-	-
95.067	22319 YM W47 W22 C3	22319 EAS.MA.T41B	22319 EJA/VA414 *	-	-
90	22319 YM W810 C4	545173.C3.F80	-	-	-
100	22320 YM W33 W800 C4	22320 EAS.MA.T41A	22320 EJA/VA405	22320 CAME4C4U15-VS	22320 UAVS2
110	22322 YM W33 W800 C4	22322 EAS.MA.T41A	22322 EJA/VA405	22322 CAME4C4U15-VS	22322 UAVS2
110	22322 YM W800 C4	-	-	-	-
110.071	22322 YM W47 W22 C3	22322 EAS.MA.T41B	22322 EJA/VA414 *	-	-
100	22322 YM W810 C4	521097C3.F80	-	-	-
120	22324 YM W33 W800 C4	22324 EAS.MA.T41A	22324 CCJA/W33VA405	22324 CAME4C4U15-VS	22324 UAVS2
130	22326 YM W33 W800 C4	22326 EAS.MA.T41A	22326 CCJA/W33VA405	22326 CAME4C4U15-VS	22326 UAVS2
140	22328 YM W33 W800 C4	22328 EAS.MA.T41A	22328 CCJA/W33VA405	22328 CAME4C4U15-VS	22328 UAVS2
140	22328 YM W800 C4	-	-	-	-
140.076	22328 YM W33 W47 W22 C3	22328 EAS.MA.T41B	22328 CCJA/W33VA414 *	-	-
150	22330 YM W33 W800 C4	22330 EAS.MA.T41A	22330 CCJA/W33VA405	22330 CAME4C4U15-VS	22330 UAVS2
160	22332 YM W33 W800 C4	22332 A.MA.T41A	22332 CCJA/W33VA405	22332 CAME4C4U15-VS	22332 UAVS2
160.091	22332 YM W33 W47 W22 C4	22332 EAS.MA.T41B	22332 CCJA/W33VA414 *	-	-
170	22334 YMB W33 W800 C4	22334 A.MA.T41A	22334 CCJA/W33VA405	22334 CAME4C4U15-VS	22334 UAVS2
180	22336 YMB W33 W800 C4	22336 A.MA.T41A	22336 CCJA/W33VA405	22336 CAME4C4U15-VS	22336 UAVS2
190	22338 YMB W33 W800 C4	22338 A.MA.T41A	22338 CCJA/W33VA405	22338 CAME4C4U15-VS	22338 UAVS2
200	22340 YMBW33W45AW800C4	22340 A.MA.T41A	22340 CCJA/W33VA405	22340 CAME4C4U15-VS	22340 UAVS2

33 Series

MM	TIMKEN PART NUMBER	FAG	SKF	NSK	NTN
90	23318 YM W33 W800 C4	22318 AS.MA.T41A	453318 EJA/VA405	-	23318 BVS2
110	23322 YM W33 W800 C4	23322 AS.MA.T41A	453322 EJA/VA405	23322 CAME4C4U15-VS	-
100	23322 YM W810 C4	532689.C3.F80	-	-	-
110	23322 YM W800 C4	-	-	-	-
120	23324 YM W33 W800 C4	23324 AS.MA.T41A	453324 CCJA/W33VA405	23324 CAME4C4U15-VS	23324 BVS2
120	23324 YM W800 C4	-	453328 M2/W22	-	-
120	23326 YM W810 C4	533520.C3.F80	453322 VAA	-	-
130	23326 YM W33 W800 C4	23326 AS.MA.T41A	453326 CCJA/W33VA405	23326 CAME4C4U15-VS	23326 BVS2
130	23326 YM W33 W49 C4	545172.C3.F80	-	-	-
140	23328 YM W33 W800 C4	23328 AS.MA.T41A	453328 CCJA/W33VA405	23328 CAME4C4U15-VS	23328 BVS2
140	23328 YM W800 C4	-	-	-	-
140.076	23328 YM W33 W47 W22 C3	23328 AS.MA.C3.T41B	453328 CCJA/W33VA414	-	-
150	23330 YMB W33 W800 C4	23330 A.MA.T41A	453330 CCJA/W33VA405	23330 CAME4C4U15-VS	23330 BVS2
160	23332 YMB W33 W800 C4	23332 A.MA.T41A	453332 CCJA/W33VA405	-	23332 BVS2
160	23332 YMB W800 C4	-	-	-	-
160.091	23332 YMB W33 W47 W22 C4	23332 EAS.MA.T41B	453332 CCJA/W33VA414	-	-

NOTES:

*SKF: VA414 = VA405 + SPECIAL ALLIS-CHALMERS BORE DIMENSIONS

TIMKEN MODIFICATION CODES:

YM = ONE-PIECE MACHINED BRONZE CAGE
W33 = LUBE GROOVE AND 3 HOLES IN OUTER RING
W800 = "SCREEN BEARING MOD" - REDUCED BORE AND OD TOLERANCES; UPPER 2/3 OF SPECIFIED RIC (NORMALLY C4)
W47 = OVERSIZED BORE (ALLIS-CHALMERS SPECIAL)
W810 = UNDERSIZED BORE (CEDAR RAPIDS - FORMERLY IOWA MFG - SPECIAL)
W22 = REDUCED OD TOLERANCE
W49 = OUTER RING WITH OVERSIZED OD
W45A = TAPPED HOLES IN THE FACE OF THE OUTER RING

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