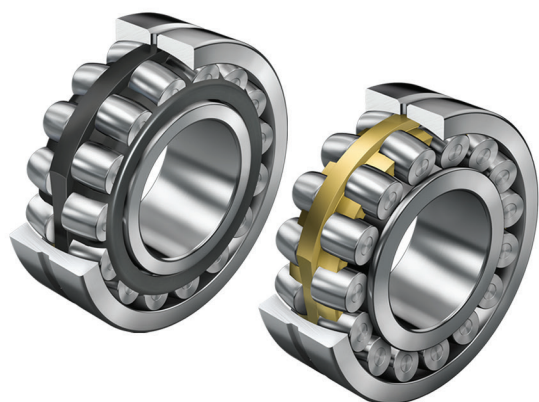


# X-life

proven to be better

## FAG Spherical Roller Bearings for Vibratory Applications



223 22-E1A-XL-K-MA-T41A

### SERIES

223 Medium  
233 Heavy

### BORE DIAMETER

08-48 Bore reference x 5 (mm)

### INTERNAL BEARING DESIGN

E1-XL Stamped steel cage, X-life quality, OD ≤ 320mm  
E1A-XL Machined brass cage, X-life quality, OD ≤ 320mm  
BE-XL Stamped steel cage, X-life quality, OD > 320mm  
BEA-XL Machined brass cage, X-life quality, OD > 320mm  
AS Machined brass cage, OD ≤ 320mm OD (233 series only)  
A Machined brass cage, OD > 320mm (233 series only)

### BORE DESIGN

no suffix Cylindrical bore  
K Tapered bore (1:12)

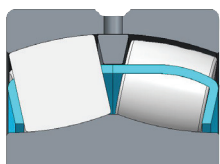
### CAGE DESIGN

no suffix Stamped steel cage, outer ring guided, E1-XL (OD ≤ 320mm)  
JPA Stamped steel cage, outer ring guided, BE-XL (OD > 320mm)  
M Machined brass cage, roller guided, E1A-XL (OD ≤ 320mm)  
(233 series only / all sizes: AS-M, A-M)  
MA Machine brass cage, outer ring guided, E1A-XL (OD ≤ 320mm)  
(233 series only / all sizes: AS-MA, A-MA)  
MA1 Machined brass cage, outer ring guided, BEA-XL (OD > 320mm)

### ADDITIONAL SUFFIXES

T41A Special features for vibratory applications  
T41B T41A + oversized bore  
T41D T41A + Durotect CK® coating (inner ring bore only)

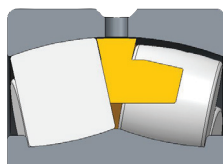
E1-XL / BE-XL-JPA



Stamped steel cage  
• Two-piece design  
• Outer ring guided

X-life

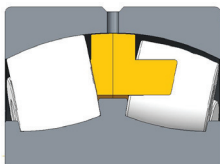
E1A-XL-MA



Machined brass cage  
• One-piece design  
• Outer ring guided

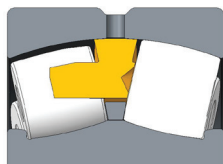
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AS-MA / A-MA



Machined brass cage  
• Two-piece design  
• Outer ring guided

BEA-XL-MA1



Machined brass cage  
• One-piece design  
• Outer ring guided

X-life

**SCHAEFFLER**

## 223 Series Spherical Roller Bearings for Vibratory Applications - Competitor Interchange

FAG P/N	SKF P/N	Timken P/N	NSK P/N
22308-E1-XL-T41A	22308 E/VA405		-
-	452308 M2/W502	22308 EMW33W800C4	22308CAME4C4VE
22309-E1-XL-T41A	22309 E/VA405		-
-	452309 M2/W502	22309 EMW33W800C4	22309CAME4C4VE
22310-E1-XL-T41A	22310 E/VA405		-
22310-E1A-XL-MA-T41A	452310 M2/W502	22310 EMW33W800C4	22310 CAME4C4VE
22311-E1-XL-T41A	22311 E/VA405		-
22311-E1A-XL-MA-T41A	452311 M2/W502	22311 EMW33W800C4	22311 CAME4C4VE
22312-E1-XL-T41A	22312 E/VA405		-
22312-E1A-XL-MA-T41A	452312 M2/W502	22312 EMW33W800C4	22312 CAME4C4VE
22313-E1-XL-T41A	22313 E/VA405		-
22313-E1A-XL-MA-T41A	452313 M2/W502	22313 EMW33W800C4	22313CAME4C4VE
22314-E1-XL-T41A	22314 E/VA405		-
22314-E1A-XL-MA-T41A	452314 M2/W502	22314 EMW33W800C4	22314CAME4C4VE
22315-E1-XL-T41A	22315 EJA/VA405		-
22315-E1A-XL-MA-T41A	452315 M2/W502	22315 EMW33W800C4	22315CAME4C4VE
22316-E1-XL-T41A	22316 EJA/VA405		-
22316-E1A-XL-MA-T41A	452316 M2/W502	22316 EMW33W800C4	22316CAME4C4VE
22317-E1-XL-T41D	22317 EJA/VA405		-
22317-E1A-XL-MA-T41A	452317 M2/W502	22317 EMW33W800C4	22317CAME4C4VE
22318-E1-XL-T41D	22318 EJA/VA405		-
22318-E1A-XL-MA-T41A	452318 M2/W502	22318 EMW33W800C4	22318CAME4C4VE
22319-E1-XL-T41D	22319 EJA/VA405		-
-	452319 M2/W502	22319 EMW33W800C4	22319CAME4C4VE
22320-E1-XL-T41D	22320 EJA/VA405		-
22320-E1A-XL-MA-T41A	452320 M2/W502	22320 EMW33W800C4	22320CAME4C4VE
22322-E1-XL-T41D	22322 EJA/VA405		-
22322-E1A-XL-MA-T41A	452322 M2/W502	22322 EMW33W800C4	22322CAME4C4VE
22324-E1-XL-T41D	22324 CCJAW33VA405		-
22324-E1A-XL-MA-T41A	452324 M2/W502	22324 EMW33W800C4	22324CAME4C4VE
22326-E1-XL-T41D	22326 CCJAW33VA405		-
22326-E1A-XL-MA-T41A	452326 M2/W502	22326 EMW33W800C4	22326CAME4C4VE
22328-E1-XL-T41D	22328 CCJAW33VA405		-
22328-E1A-XL-MA-T41A	452328 M2/W502	22328 EMW33W800C4	22328CAME4C4VE
22330-E1-XL-T41D	22330 CCJAW33VA405		-
22330-E1A-XL-MA-T41A	452330 M2/W502	22330 EMBW33W800C4	22330CAME4C4VE
22332-BE-XL-JPA-T41A	22332 CCJAW33VA405		-
22332-BEA-XL-MA1-T41A	452332 M2/W502	22332 EMBW33W800C4	22332CAME4C4VE
22334-BE-XL-JPA-T41A	22334 CCJAW33VA405		-
22334-BEA-XL-MA1-T41A	452334 M2/W502	22334 EMBW33W800C4	22334CAME4C4VE
22336-BE-XL-JPA-T41A	22336 CCJAW33VA405		-
22336-BEA-XL-MA1-T41A	452336 M2/W502	22336 EMBW33W800C4	22336CAME4C4VE
22338-BE-XL-JPA-T41A	22338 CCJAW33VA405		-
22338-BEA-XL-MA1-T41A	452338 M2/W502	22338 EMBW33W800C4	22338CAME4C4VE
22340-BE-XL-JPA-T41A	22340 CCJAW33VA405		-
22340-BEA-XL-MA1-T41A	452340 M2/W502	22340 EMBW33W45AW800C4	22340CAME4C4VE
22344-BE-XL-JPA-T41A	22344 CCJAW33VA405		-
22344-BEA-XL-MA1-T41A	-		-

## 223 Series Spherical Roller Bearings for Vibratory Applications - Competitor Interchange

FAG P/N	SKF P/N	Timken P/N	NSK P/N
-	453318 EJA/VA405		
23318-AS-MA-T41A	-	23318 EMW33W800C4	
-	453320 EJA/VA405		
23320-AS-MA-T41A	-		
-	453322 EJA/VA405		
23322-AS-MA-T41A	453322 M2/W502	23322 EMW33W800C4	23322CAME4C4VE
-	453324 CCJAW33VA405		
23324-AS-MA-T41A	-	23324 EMW33W800C4	23324CAME4C4VE
-	453326 CCJAW33VA405		
23326-AS-MA-T41A	-	23326 EMW33W800C4	23326CAME4C4VE
-	453328 CCJAW33VA405		
23328-AS-MA-T41A	453328 M2/W502	23328 EMBW33W800C4	23328CAME4C4VE
-	453330 CCJAW33VA405		
23330-A-MA-T41A	-	23330 EMBW33W800C4	23330CAME4C4VE
-	453332 CCJAW33VA405		
23332-A-MA-T41A	453332 M2/W502	23332 EMBW33W800C4	23332CAME4C4VE
23334-A-MA-T41A	-		
-	453338 CCJAW33VA405		
23338-A-MA-T41A	-		23338CAME4C4VE
-	453340 CCJAW33VA405		
23340-A-MA-T41A	-	23340 EMBW33W45AW800C4	23340CAME4C4VE