

Spherical Roller Bearing for General Industries Applications

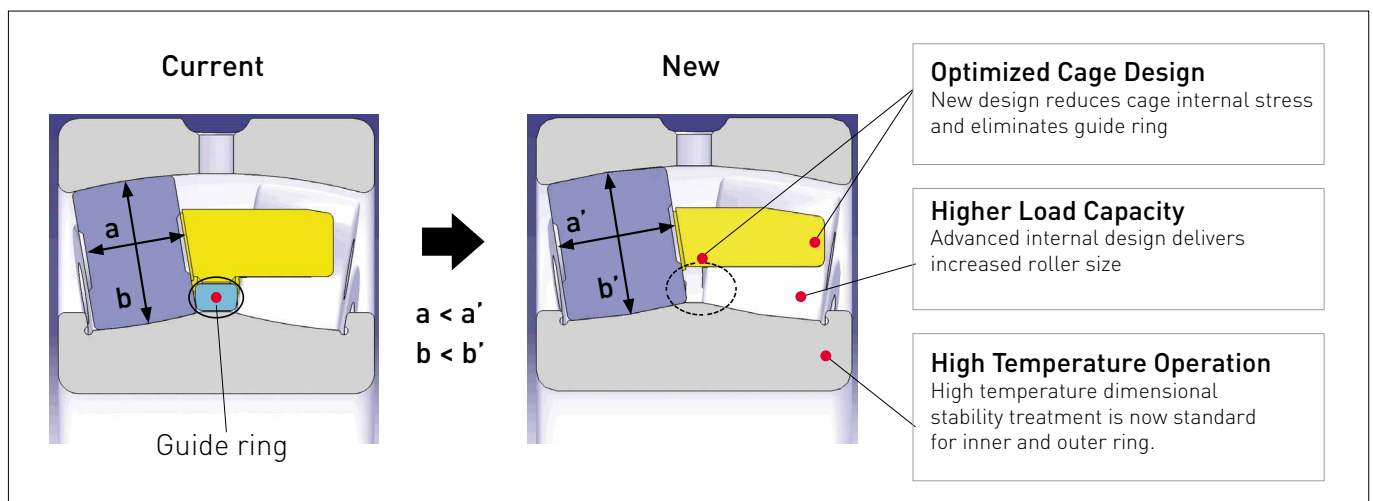
Spherical Roller Bearings with new Cage Design

Optimized design and advanced NSK technology to deliver a new level in performance and high load capacity across all applications.

- Features next-generation precision machined solid brass cage with contoured roller pockets
- Contoured roller pockets significantly reduce unnecessary roller motion during rotation.
- NSK design advancement packs in more rollers of larger size for world-top-class load capacity
- High cage strength (no loss in strength) with highly optimized geometry and roller guided cage design
- Higher limiting speeds
- High-temperature dimensional stability
- Upgrade conventional SRB to NSK's new SRB to help achieve a reduction in total maintenance costs



Current versus new Design



Features

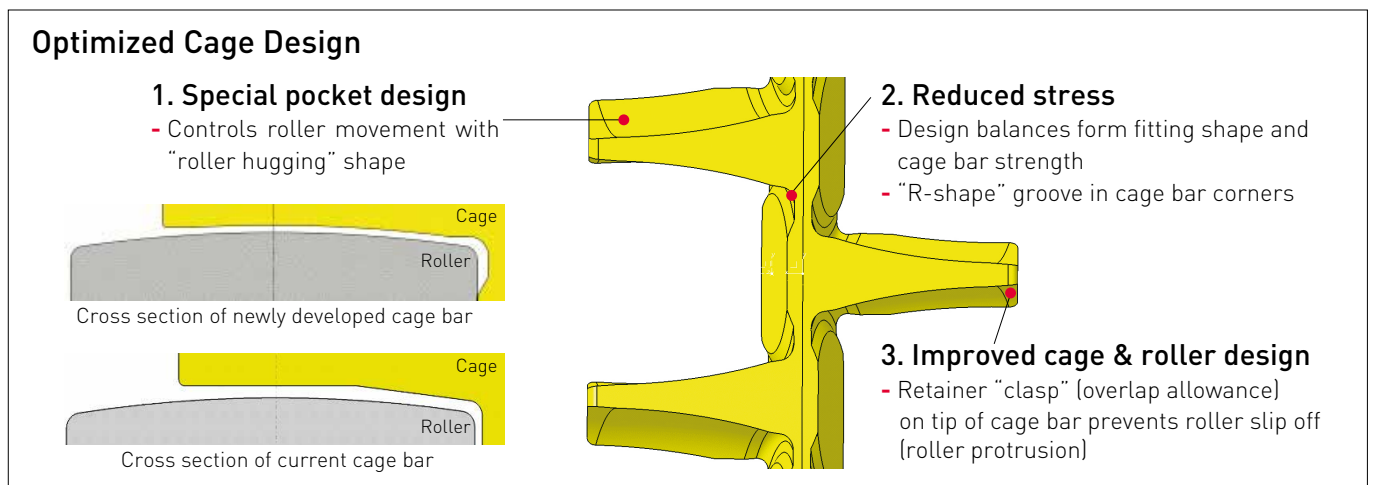
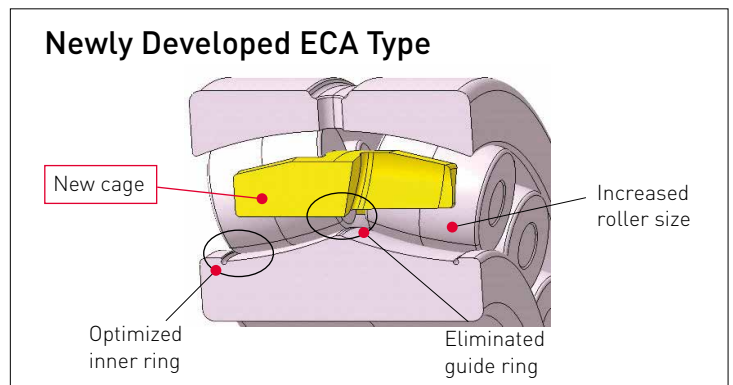
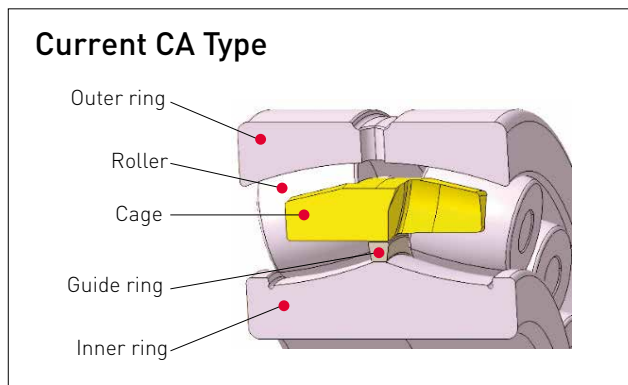
Performance increases over conventional models.



Ideal for Wide Range of Industrial Applications

- Agriculture
- Cement
- Elevator
- Fish Industry
- Gearbox
- Industrial Fan
- Palm Oil
- Papermaking
- Petrochemical
- Material Handling
- Mining & Construction
- Steel & Metal
- Sugar Cane
- Timber Industry

Design Optimizations And Advancements



Available Range

With New Machined Brass Cage

222	08	E	CA	M	K	E4
Series	Bore	Extra capacity	Internal design	Cage	Tapered bore	Oil groove / holes

Bearing Designation		Bore Diameter (mm)				Basic Load Rating (N)	
Cylindrical bore	Tapered bore	d	D	B	r	Cr	C0r
22208ECAME4	22208ECAMKE4	40	80	23	1.1	108 000	93 000
22308ECAME4	22308ECAMKE4		90	33	1.5	161 000	142 000
22209ECAME4	22209ECAMKE4	45	85	23	1.1	113 000	105 000
22309ECAME4	22309ECAMKE4		100	36	1.5	197 000	182 000
22210ECAME4	22210ECAMKE4	50	90	23	1.1	119 000	113 000
22310ECAME4	22310ECAMKE4		110	40	2	233 000	219 000
22211ECAME4	22211ECAMKE4	55	100	25	1.5	143 000	136 000
22311ECAME4	22311ECAMKE4		120	43	2	278 000	274 000
22212ECAME4	22212ECAMKE4	60	110	28	1.5	171 000	165 000
22312ECAME4	22312ECAMKE4		130	46	2.1	320 000	320 000
22213ECAME4	22213ECAMKE4	65	120	31	1.5	212 000	219 000
22313ECAME4	22313ECAMKE4		140	48	2.1	375 000	380 000
22214ECAME4	22214ECAMKE4	70	125	31	1.5	216 000	220 000
22314ECAME4	22314ECAMKE4		150	51	2.1	425 000	435 000
22215ECAME4	22215ECAMKE4	75	130	31	1.5	229 000	232 000
22315ECAME4	22315ECAMKE4		160	55	2.1	485 000	505 000
22216ECAME4	22216ECAMKE4	80	140	33	2	264 000	275 000
22316ECAME4	22316ECAMKE4		170	58	2.1	540 000	565 000
21316ECAME4	21316ECAMKE4		170	39	2.1	355 000	375 000
22217ECAME4	22217ECAMKE4	85	150	36	2	310 000	325 000
22317ECAME4	22317ECAMKE4		180	60	3	600 000	630 000
22218ECAME4	22218ECAMKE4	90	160	40	2	360 000	395 000
22318ECAME4	22318ECAMKE4		190	64	3	665 000	705 000
21318ECAME4	21318ECAMKE4		190	43	3	415 000	450 000
22219ECAME4	22219ECAMKE4	95	170	43	2.1	415 000	450 000
22319ECAME4	22319ECAMKE4		200	67	3	735 000	780 000
22220ECAME4	22220ECAMKE4	100	180	46	2.1	455 000	490 000
22320ECAME4	22320ECAMKE4		215	73	3	860 000	930 000
22222ECAME4	22222ECAMKE4	110	200	53	2.1	605 000	645 000
22322ECAME4	22322ECAMKE4		240	80	3	1030 000	1120 000
22224ECAME4	22224ECAMKE4	120	180	46	2	685 000	765 000
22324ECAME4	22324ECAMKE4		260	86	3	1190 000	1320 000
22226ECAME4	22226ECAMKE4	130	230	64	3	820 000	940 000

Industries



Agriculture



Woodworking



Steel & Metals



Material Handling



Quarrying & Mining



Industrial Gearboxes



Cement