

E Type Spherical Roller Bearing



E type spherical roller bearing is the newest design in the world. It adopts symmetrical spherical rollers, two quenched steel stamping cage, inner ring without flange and a middle ring guided by cage. The middle ring near the outer ring can improve the lubrication between the rollers' end face and the flange ring, its function is to reduce the bearing's friction, help guiding the roller in the non-load area, and assist the roller to enter in the load area, at the same time, the roller length increases, So the rated load has been greatly improved. Usually the rated load can be increased by 20-35.

Advantages:



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1. Increase the quantity of rollers: higher load capacity.
2. Floating guide ring: Prevent vibration and improve the lubrication.
3. Bainite Hardening: wear resistance, impact resistance.
4. Inner sleeve without ribs, utral-fine polishing of inner ring, outer ring and rollers, roughness within 0.1 μ m: reducing friction largely.

Type	Boundary dimensions			Rating Loads		Limiting Speed		Weight
Code	(mm)			(KN)		(r/min)		KG
	d	D	B	Cr	Cor	Grease	oil	
21310 E	50	110	27	156	166	5600	7500	1.35
21310 EK	50	110	27	156	166	5600	7500	1.35
22310 E	50	110	40	220	224	4800	6300	1.9
22310 EK	50	110	40	220	224	4800	6300	1.9
22211 E	55	100	25	125	127	6300	8500	0.84
22211 EK	55	100	25	125	127	6300	8500	0.84
21311 E	55	120	29	156	166	5600	7500	1.7
21311 EK	55	120	29	156	166	5600	7500	1.7
22311 E	55	120	43	270	280	4300	5600	2.45
22311 EK	55	120	43	270	280	4300	5600	2.45
22212 E	60	110	28	156	166	5600	7500	1.15
22212 EK	60	110	28	156	166	5600	7500	1.15
21312 E	60	130	31	212	240	4800	6300	2.1
21312 EK	60	130	31	212	240	4800	6300	2.1
22312 E	60	130	46	310	335	4000	5300	3.1
22312 EK	60	130	46	310	335	4000	5300	3.1
22213 E	65	120	31	193	216	5000	7000	1.55
22213 EK	65	120	31	193	216	5000	7000	1.55
21313 E	65	140	33	236	270	4300	6000	2.55
21313 EK	65	140	33	236	270	4300	6000	2.55
22313 E	65	140	48	340	360	3800	5000	3.75
22313 EK	65	140	48	340	360	3800	5000	3.75
22214 E	70	125	31	208	228	5000	6700	1.55
22214 EK	70	125	31	208	228	5000	6700	1.55

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21314 E	70	150	35	285	325	4000	5600	3.1
21314 EK	70	150	35	285	325	4000	5600	3.1
22314 E	70	150	51	400	430	3400	4500	4.55
22314 EK	70	150	51	400	430	3400	4500	4.55
22215 E	75	130	31	212	240	4800	6300	1.7
22215 EK	75	130	31	212	240	4800	6300	1.7
21315 E	75	160	37	285	325	4000	5600	3.75
21315 EK	75	160	37	285	325	4000	5600	3.75
22315 E	75	160	55	440	475	3200	4300	5.55
22315 EK	75	160	55	440	475	3200	4300	5.55
22216 E	80	140	33	236	270	4300	6000	2.1
22216 EK	80	140	33	236	270	4300	6000	2.1
21316 E	80	170	39	325	375	3800	5300	4.45
21316 EK	80	170	39	325	375	3800	5300	4.45
22316 E	80	170	58	490	540	3000	4000	6.6
22316 EK	80	170	58	490	540	3000	4000	6.6
22217 E	85	150	36	285	325	4000	5600	2.65
22217 EK	85	150	36	285	325	4000	5600	2.65
21317 E	85	180	41	325	375	3800	5300	5.2
21317 EK	85	180	41	325	375	3800	5300	5.2
22317 E	85	180	60	550	620	2800	3800	7.65
22317 EK	85	180	60	550	620	2800	3800	7.65
22218 E	90	160	40	325	375	3800	5300	3.4
22218 EK	90	160	40	325	375	3800	5300	3.4
21318 E	90	190	43	380	450	3600	4800	6.1
21318 EK	90	190	43	380	450	3600	4800	6.1
22318 E	90	190	64	610	695	2600	3600	9.05
22318 EK	90	190	64	610	695	2600	3600	9.05
22219 E	95	170	43	380	450	3600	4800	4.15
22219 EK	95	170	43	380	450	3600	4800	4.15
21319 E	95	200	45	425	490	3400	4500	7.05
21319 EK	95	200	45	425	490	3400	4500	7.05
22319 E	95	200	67	670	765	2600	3400	10.5
22319 EK	95	200	67	670	765	2600	3400	10.5
22220 E	100	180	46	425	490	3400	4500	4.9
22220 EK	100	180	46	425	490	3400	4500	4.9



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21320 E	100	215	47	425	490	3400	4500	8.6
21320 EK	100	215	47	425	490	3400	4500	8.6
22320 E	100	215	73	815	950	2400	3000	13.5
22320 EK	100	215	73	815	950	2400	3000	13.5
22222 E	110	200	53	560	640	3000	4000	7
22222 EK	110	200	53	560	640	3000	4000	7
22322 E	110	240	80	950	1120	2000	2800	18.4
22322 EK	110	240	80	950	1120	2000	2800	18.4
22224 E	120	215	58	630	765	2800	3800	8.7
22224 EK	120	215	58	630	765	2800	3800	8.7
22226 E	130	230	64	735	930	2600	3600	11
22226 EK	130	230	64	735	930	2600	3600	11

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