

## SKF Spherical Roller Thrust Bearing



Spherical roller thrust bearings have specially designed raceways and asymmetrical rollers. The bearings can accommodate axial loads acting in one direction and simultaneously acting radial loads. The load is transmitted between the raceways via the rollers at an angle to the bearing axis, while the flange guides the rollers.

Depending on their series and size the spherical roller thrust bearings are manufactured to two basic designs:

### Bearings with no designation suffix

Bearings with no designation suffix are fitted with a machined prong-type brass cage as standard. The cage is guided by a sleeve held in the shaft washer bore. The shaft washer, cage and rollers form a non-separable unit.

### Bearings with an E designation suffix

E-design bearings have larger rollers and an optimized internal design for increased load carrying capacity. E-design bearings up to size 68 are fitted with a stamped window-type steel cage, which forms a non-separable unit with the shaft washer and rollers.

E-design bearings from size 72 and larger are fitted with a machined prong-type cage. This type of cage is guided by a sleeve held in the shaft washer bore. The shaft washer, cage and rollers form a non-separable unit.

## Characteristics

**Series:** 294

Manufacturer ID	Inner diameter mm	Outer diameter mm	Height mm	Internal clearance	Cage	Article
29412 E	60	130	42	CN [normal]	Steel	23756534
29413 E	65	140	45	CN [normal]	Steel	23756535
29414 E	70	150	48	CN [normal]	Steel	23756536
29415 E	75	160	51	CN [normal]	Steel	23756537
29415 EN1	75	160	51	CN [normal]	Steel	13196716
29416 E	80	170	54	CN [normal]	Steel	23756538
29317 E	85	150	39	CN [normal]	Steel	23756514
29317 EN1	85	150	39	CN [normal]	Steel	13196696
29417 E	85	180	58	CN [normal]	Steel	23756539
29318 E	90	155	39	CN [normal]	Steel	23756515
29318 EN1	90	155	39	CN [normal]	Steel	13196697
29418 EN1	90	190	60	CN [normal]	Steel	13196721
29418 E/VQ096	90	190	60	CN [normal]	Steel	13196718
29418 E	90	190	60	CN [normal]	Steel	23756540
29418 E/VU029	90	190	60	CN [normal]	Steel	13196719
29320 E	100	170	42	CN [normal]	Steel	23756516
29320 EN1	100	170	42	CN [normal]	Steel	13196698
29420 E/VQ096	100	210	67	CN [normal]	Steel	13196722
29420 E	100	210	67	CN [normal]	Steel	23756541
29420 E/VU029	100	210	67	CN [normal]	Steel	13196723
29322 E	110	190	48	CN [normal]	Steel	23756517
29322 E/VU029	110	190	48	CN [normal]	Steel	13196699
29322 EN1	110	190	48	CN [normal]	Steel	13196700
29422 E/VU029	110	230	73	CN [normal]	Steel	13196725
29422 EN1	110	230	73	CN [normal]	Steel	13196726
29422 E	110	230	73	CN [normal]	Steel	23756542
29324 E	120	210	54	CN [normal]	Steel	23756518

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Manufacturer ID	Inner diameter	Outer diameter	Height	Internal clearance	Cage	Article
	mm	mm	mm			
29324 EN1	120	210	54	CN (normal)	Steel	13196701
29424 E/VU029	120	250	78	CN (normal)	Steel	13196728
29424 E	120	250	78	CN (normal)	Steel	23756543
29424 E/VQ096	120	250	78	CN (normal)	Steel	13196727
29326 E/VU029	130	225	58	CN (normal)	Steel	13196702
29326 EN1	130	225	58	CN (normal)	Steel	13196703
29426 EN1	130	270	85	CN (normal)	Steel	13196730
29426 E/VU029	130	270	85	CN (normal)	Steel	13196729
29426 E	130	270	85	CN (normal)	Steel	23756544
29328 E	140	240	60	CN (normal)	Steel	23756520
29428 EN1	140	280	85	CN (normal)	Steel	13196731
29428 E	140	280	85	CN (normal)	Steel	23756545
29428/140.3 E	140.3	280	85	CN (normal)	Steel	13196732
29428/140.3 E/VQ202	140.3	280	85	CN (normal)	Steel	13196733
29230 E	150	215	39	CN (normal)	Steel	23756501
29330 E	150	250	60	CN (normal)	Steel	23756521
29330 EN1	150	250	60	CN (normal)	Steel	13196704
29430 EN1	150	300	90	CN (normal)	Steel	13196736
29430 E	150	300	90	CN (normal)	Steel	23756546
29430 E/VQ096	150	300	90	CN (normal)	Steel	13196734
29430 E/VU029	150	300	90	CN (normal)	Steel	13196735
29332 E/VU029	160	270	67	CN (normal)	Steel	13196705
29332 E	160	270	67	CN (normal)	Steel	23756522
29332 EN1	160	270	67	CN (normal)	Steel	13196706
29432 E	160	320	95	CN (normal)	Steel	23756547
29334 E	170	280	67	CN (normal)	Steel	23756523
29334 E/VU029	170	280	67	CN (normal)	Steel	13196707
29334 EN1	170	280	67	CN (normal)	Steel	13196708
29434 E/VU029	170	340	103	CN (normal)	Steel	13196737
29434 E	170	340	103	CN (normal)	Steel	23756548
29434 E/VQ202	170	340	103	CN (normal)	Steel	14028746
29434/170.3 E/VQ202	170.3	340	103	CN (normal)	Steel	14028744
29236 E	180	250	42	CN (normal)	Steel	23756502
29336 E/VU029	180	300	73	CN (normal)	Steel	13196709
29336 E	180	300	73	CN (normal)	Steel	23756524
29336 EN1	180	300	73	CN (normal)	Steel	13196710
29436 E	180	360	109	CN (normal)	Steel	23756550
29338 E	190	320	78	CN (normal)	Steel	23756525
29338 E/VU029	190	320	78	CN (normal)	Steel	13196711
29338 EN1	190	320	78	CN (normal)	Steel	13196712
29438 E	190	380	115	CN (normal)	Steel	23756551
29240 E	200	280	48	CN (normal)	Steel	23756503
29340 E	200	340	85	CN (normal)	Steel	23756526
29440 E	200	400	122	CN (normal)	Steel	23756552
29244 EN1	220	300	48	CN (normal)	Steel	13196695
29244 E	220	300	48	CN (normal)	Steel	23756504
29344 E	220	360	85	CN (normal)	Steel	23756527
29444 E	220	420	122	CN (normal)	Steel	23756553
29248	240	340	60	CN (normal)	Brass	23756505
29348 E	240	380	85	CN (normal)	Steel	23756528
29348 E/VU029	240	380	85	CN (normal)	Steel	13196714
29252	260	360	60	CN (normal)	Brass	23756506
29352 E	260	420	95	CN (normal)	Steel	23756529

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Height mm	Internal clearance	Cage	Article
29452 E	260	480	132	CN (normal)	Steel	23756555
29256	280	380	60	CN (normal)	Brass	23756507
29356 E	280	440	95	CN (normal)	Steel	23756530
29364 E	320	500	109	CN (normal)	Steel	23756532
29464 E	320	580	155	CN (normal)	Steel	23756558
29468 E	340	620	170	CN (normal)	Steel	23756559
29276	380	520	85	CN (normal)	Brass	13654434
29480 EM	400	710	185	CN (normal)	Brass	14464253
						13592799
						12746998
						12981351
						14101933
						24208321
						23756513

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