



SKF CARB® Toroidal bearing Cylindrical bore Full complement

CARB® bearings are single row bearings with long, slightly barrel-shaped symmetrical rollers. The outer ring has a torus-shaped raceway with a profile radius extending beyond the centre of the bearing. The inner ring raceway is shaped accordingly. CARB® toroidal roller bearings combine the self-aligning capability of spherical roller bearings with the axial displacement ability of cylindrical roller bearings. CARB® bearings can also have the compact cross section and high load carrying capacity normally associated with needle roller bearings.

They are intended exclusively as non-locating bearings. They can simplify locating/non-locating bearing arrangements because thermal expansion of the shaft can be accommodated within the bearing virtually without friction. Bearing arrangements consisting of a spherical roller bearing in the locating position and a CARB® bearing in the non-locating position provide a space- and weight-saving bearing arrangement with a low cost of ownership. CARB® bearings can reduce noise and vibration levels, for example, in paper machines and fans.

Non-sealed basic design CARB® bearings

Depending on their series and size, standard CARB toroidal roller bearings are manufactured to one of the following basic designs: bearings with a cage and full complement bearings. The load carrying capacity of full complement CARB bearings is considerably higher than that of same-sized bearings with a cage. The majority of CARB bearings are available with either a cylindrical or tapered bore. Depending on the bearing series, the tapered bore has a taper of either 1:12 [designation suffix K] or 1:30 [designation suffix K30].

Characteristics

Series: CARB®

Bore: Cylindrical bore

With sealing: No

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Article
C 6006 V	30	55	45	CN [normal]	23760512
C 2206 V/C3	30	62	20	C3	23760323
C 2206 V	30	62	20	CN [normal]	23760322
C 2207 V	35	72	23	CN [normal]	23760328
C 4908 V/C3	40	62	22	C3	23760507
C 4908 V	40	62	22	CN [normal]	23760506
C 2208 V/C3	40	80	23	C3	23760333
C 2208 V	40	80	23	CN [normal]	23760332
C 2209 V/C3	45	85	23	C3	23760339
C 2209 V	45	85	23	CN [normal]	23760338
C 4910 V	50	72	22	CN [normal]	23760508
C 6910 V/C3	50	72	40	C3	23760515
C 6910 V/C4S3	50	72	40	C4	24003275
C 6910 V/C4	50	72	40	C4	13199605
C 6910 V	50	72	40	CN [normal]	23760514
C 2210 V/C3	50	90	23	C3	23760345
C 2210 V	50	90	23	CN [normal]	23760344
C 2211 V/C3	55	100	25	C3	23760351
C 2211 V	55	100	25	CN [normal]	23760350
C 6912 V/C3	60	85	45	C3	23760517
C 6912 V/C4S3	60	85	45	C4	24003276
C 6912 V/C4	60	85	45	C4	13199606
C 6912 V	60	85	45	CN [normal]	23760516
C 2212 V/C3	60	110	28	C3	23760358

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

Manufacturer ID	Inner diameter	Outer diameter	Width	Internal clearance	Article
	mm	mm	mm		
C 2212 V/C4	60	110	28	C4	13199584
C 2212 V	60	110	28	CN (normal)	23760357
C 2213 V/C3	65	120	31	C3	23760366
C 2213 V/C4	65	120	31	C4	24003186
C 2213 V	65	120	31	CN (normal)	23760365
C 2214 V/C3	70	125	31	C3	23760371
C 2214 V/C4	70	125	31	C4	24003187
C 5915 V/C3	75	105	40	C3	23760511
C 5915 V/C4S3	75	105	40	C4	24003270
C 5915 V/C4	75	105	40	C4	24003269
C 5915 V	75	105	40	CN (normal)	23760510
C 6915 V/C4VE240	75	105	54	C4	13199607
C 2215 V/C3	75	130	31	C3	23760376
C 2215 V/C4	75	130	31	C4	24003188
C 2215 V	75	130	31	CN (normal)	23760375
C 2216 V/C3	80	140	33	C3	23760382
C 2216 V/C4	80	140	33	C4	24003191
C 2216 V	80	140	33	CN (normal)	23760381
C 2217 V/C3	85	150	36	C3	13530015
C 5918 V/C3	90	125	46	C3	24003271
C 5918 V/C4	90	125	46	C4	13199603
C 5918 V	90	125	46	CN (normal)	12309232
C 4020 V/C3	100	150	50	C3	24003240
C 5020 V/C4	100	150	67	C4	13199602
C 3120 V/C3	100	165	52	C3	23760458
C 3120 V/C4	100	165	52	C4	24003219
C 3120 V	100	165	52	CN (normal)	24003218
C 4022 V/C3	110	170	60	C3	13199597
C 4022 V/C4	110	170	60	C4	24003241
C 4022 V	110	170	60	CN (normal)	13199596
C 4122 V/C3	110	180	69	C3	24003266
C 4122 V/C4	110	180	69	C4	24003267
C 4122 V	110	180	69	CN (normal)	24003265
C 4024 V/C3	120	180	60	C3	23760492
C 4024 V/C4	120	180	60	C4	24003242
C 4024 V/C4VM118	120	180	60	C4	13199598
C 4024 V	120	180	60	CN (normal)	23760491
C 4026 V/C3	130	200	69	C3	23760494
C 4026 V/C4	130	200	69	C4	24003246
C 4026 V	130	200	69	CN (normal)	23760493
C 4028 V/C3	140	210	69	C3	23760498
C 4028 V/C4	140	210	69	C4	24003250
C 4028 V/C4VM118	140	210	69	C4	13199599
C 4028 V	140	210	69	CN (normal)	23760497
C 2228 V/C3	140	250	68	C3	13530016
C 4030 V/C3	150	225	75	C3	23760502
C 4030 V/C4	150	225	75	C4	24003252
C 4030 V	150	225	75	CN (normal)	23760501
C 4032 V/C3	160	240	80	C3	24003261
C 4032 V/C4	160	240	80	C4	24003262
C 4032 V	160	240	80	CN (normal)	24003260
C 3136 V	180	300	96	CN (normal)	13199588

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.