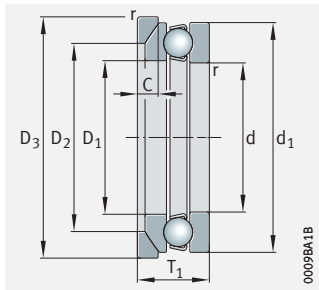
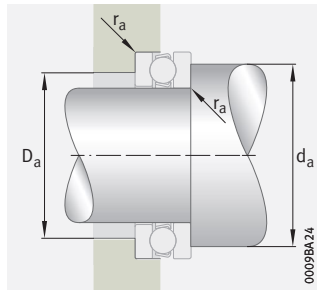


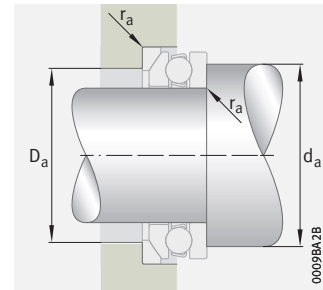
d = 60 – 80 mm



532, 533
Spherical housing locating washer
Support washer U2, U3



Mounting dimensions



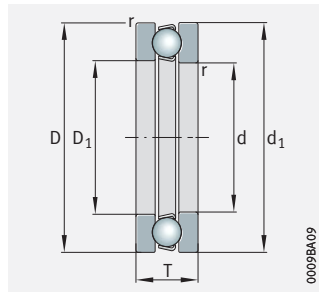
Mounting dimensions

Dimensions										Mounting dimensions		
d	D ₁	d ₁	r	R	A	D ₂	D ₃	C	T ₁	d _a	D _a	r _a
			min.							min.	max.	max.
60	62	85	1	–	–	–	–	–	–	75	70	1
	62	95	1	–	–	–	–	–	–	81	74	1
	62	95	1	72	32,5	78	100	9	31	81	78	1
	62	110	1,1	–	–	–	–	–	–	90	80	1
	62	110	1,1	90	41	85	115	11,5	42	90	85	1
	62	130	1,5	–	–	–	–	–	–	102	88	1,5
65	67	90	1	–	–	–	–	–	–	80	75	1
	67	100	1	–	–	–	–	–	–	86	79	1
	67	100	1	80	40	82	105	9	32	86	82	1
	67	115	1,1	–	–	–	–	–	–	95	85	1
	67	115	1,1	90	38,5	90	120	12,5	43	95	90	1
	68	140	2	–	–	–	–	–	–	110	95	2
70	72	95	1	–	–	–	–	–	–	85	80	1
	72	105	1	–	–	–	–	–	–	91	84	1
	72	105	1	80	38	88	110	9	32	91	88	1
	72	125	1,1	–	–	–	–	–	–	103	92	1
	72	125	1,1	100	43	98	130	13	48	103	98	1
	73	150	2	–	–	–	–	–	–	118	102	2
75	77	100	1	–	–	–	–	–	–	90	85	1
	77	110	1	–	–	–	–	–	–	96	89	1
	77	110	1	90	49	92	115	9,5	32	96	92	1
	77	135	1,5	–	–	–	–	–	–	111	99	1,5
	77	135	1,5	100	37	105	140	15	52	111	105	1,5
	78	160	2	–	–	–	–	–	–	126	109	2
80	82	105	1	–	–	–	–	–	–	95	90	1
	82	115	1	–	–	–	–	–	–	101	94	1
	82	115	1	90	46	98	120	10	33	101	98	1
	82	140	1,5	–	–	–	–	–	–	116	104	1,5
	82	140	1,5	112	50	110	145	15	52	116	110	1,5
	83	170	2,1	–	–	–	–	–	–	134	116	2,1

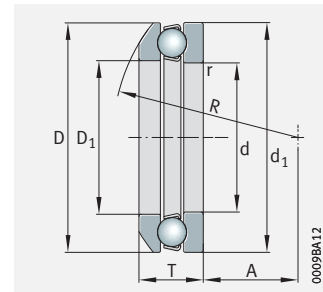


Axial deep groove ball bearings

Single direction



511, 512, 513, 514



532, 533
Spherical housing locating washer

d = 60 – 80 mm

Main dimensions			Basic load ratings		Fatigue limit load	Minimum load factor	Limiting speed	Speed rating	Mass m	Designation		
d	D	T	dyn. C _a	stat. C _{0a}	C _{ua}	A	n _G	n _{gr}	Bearing	Support washer	Bearing	Support washer
			N	N	N		min ⁻¹	min ⁻¹	≈ kg	≈ kg		
60	85	17	41 500	113 000	5 200	0,065	5 500	4 650	0,278	–	51112	–
	95	26	62 000	139 000	6 300	0,12	4 200	5 300	0,649	–	51212	–
	95	28	62 000	139 000	6 300	0,12	4 200	5 300	0,655	0,163	53212	U212
	110	35	101 000	207 000	9 500	0,28	3 150	5 700	1,36	–	51312	–
	110	38,3	101 000	207 000	9 500	0,28	3 150	5 700	1,41	0,31	53312	U312
	130	51	201 000	395 000	18 200	0,87	2 190	5 500	3,57	–	51412-MP	–
65	90	18	38 500	100 000	4 550	0,063	5 300	4 450	0,3	–	51113	–
	100	27	64 000	149 000	6 800	0,14	4 100	4 900	0,684	–	51213	–
	100	28,7	64 000	149 000	6 800	0,14	4 100	4 900	0,855	0,183	53213	U213
	115	36	105 000	220 000	10 000	0,32	3 050	5 300	1,39	–	51313	–
	115	39,4	105 000	220 000	10 000	0,32	3 050	5 300	1,78	0,34	53313	U313
	140	56	217 000	450 000	20 500	1,1	2 050	5 200	4,47	–	51413-MP	–
70	95	18	40 000	110 000	5 000	0,074	5 100	4 100	0,352	–	51114	–
	105	27	66 000	159 000	7 200	0,16	4 000	4 550	0,727	–	51214	–
	105	28,8	66 000	159 000	7 200	0,16	4 000	4 550	0,903	0,185	53214	U214
	125	40	134 000	290 000	13 300	0,51	2 750	4 950	1,9	–	51314	–
	125	44,2	134 000	290 000	13 300	0,51	2 750	4 950	2,09	0,4	53314	U314
	150	60	222 000	500 000	21 700	1,4	1 920	5 000	5,49	–	51414-MP	–
75	100	19	44 500	123 000	5 600	0,093	4 800	3 800	0,365	–	51115	–
	110	27	67 000	169 000	7 700	0,18	3 950	4 300	0,825	–	51215	–
	110	28,3	67 000	169 000	7 700	0,18	3 950	4 300	1,01	0,21	53215	U215
	135	44	163 000	360 000	15 900	0,75	2 480	4 650	2,59	–	51315	–
	135	48,1	163 000	360 000	15 900	0,75	2 480	4 650	3,19	0,54	53315	U315
	160	65	238 000	560 000	23 400	1,8	1 810	4 750	6,82	–	51415-MP	–
80	105	19	45 000	129 000	5 900	0,1	4 650	3 600	0,384	–	51116	–
	115	28	75 000	191 000	8 800	0,23	3 700	3 950	0,908	–	51216	–
	115	29,5	75 000	191 000	8 800	0,23	3 700	3 950	0,903	0,22	53216	U216
	140	44	160 000	360 000	15 500	0,79	2 460	4 450	2,69	–	51316	–
	140	47,6	160 000	360 000	15 500	0,79	2 460	4 450	2,75	0,56	53316	U316
	170	68	270 000	620 000	25 500	2,2	1 710	4 550	7,97	–	51416-MP	–

medias <https://www.schaeffler.de/std/1F9A>