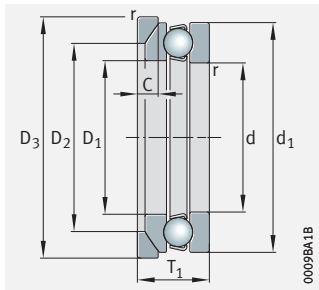
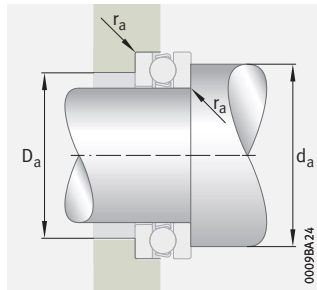


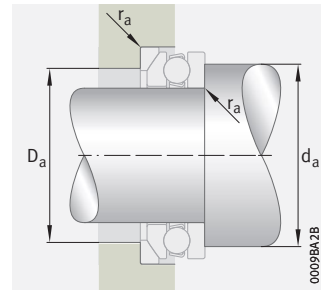
d = 35 – 55 mm



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



Mounting dimensions



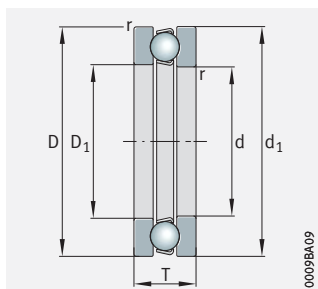
Mounting dimensions

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.
35	37	52	0,6	–	–	–	–	–	–	45	42	0,6
	37	62	1	–	–	–	–	–	–	51	46	1
	37	62	1	50	24	48	65	7	22	51	48	1
	37	68	1	–	–	–	–	–	–	55	48	1
	37	68	1	56	24	52	72	7,5	28	55	52	1
	37	80	1,1	–	–	–	–	–	–	62	53	1
40	42	60	0,6	–	–	–	–	–	–	52	48	0,6
	42	68	1	–	–	–	–	–	–	57	51	1
	42	68	1	56	28,5	55	72	7	23	57	55	1
	42	78	1	–	–	–	–	–	–	63	55	1
	42	78	1	64	28	60	82	8,5	31	63	60	1
	42	90	1,1	–	–	–	–	–	–	70	60	1
45	47	65	0,6	–	–	–	–	–	–	57	53	0,6
	47	73	1	–	–	–	–	–	–	62	56	1
	47	73	1	56	26	60	78	7,5	24	62	60	1
	47	85	1	–	–	–	–	–	–	69	61	1
	47	85	1	64	25	65	90	10	33	69	65	1
	47	100	1,1	–	–	–	–	–	–	78	67	1
50	52	70	0,6	–	–	–	–	–	–	62	58	0,6
	52	78	1	–	–	–	–	–	–	67	61	1
	52	78	1	64	32,5	62	82	7,5	26	67	62	1
	52	95	1,1	–	–	–	–	–	–	77	68	1
	52	95	1,1	72	28	72	100	11	37	77	72	1
	52	110	1,5	–	–	–	–	–	–	86	74	1,5
55	57	78	0,6	–	–	–	–	–	–	69	64	0,6
	57	90	1	–	–	–	–	–	–	76	69	1
	57	90	1	72	35	72	95	9	30	76	72	1
	57	105	1,1	–	–	–	–	–	–	85	75	1
	57	105	1,1	80	30	80	110	11,5	42	85	80	1
	57	120	1,5	–	–	–	–	–	–	94	81	1,5

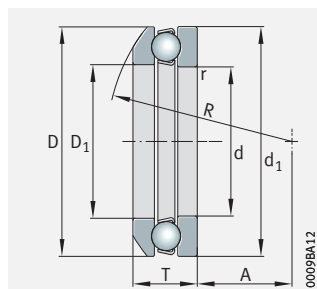


Axial deep groove ball bearings

Single direction



511, 512, 513, 514



532, 533
Spherical housing locating washer

d = 35 – 55 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 _{ar}	Bearing	Support washer	Bearing	Support washer
			N	N	N		min ⁻¹	min ⁻¹	≈ kg	≈ kg		
35	52	12	20 000	46 500	2 120	0,011	8 800	6 800	0,089	–	51107	–
	62	18	35 500	67 000	3 100	0,028	6 000	8 000	0,198	–	51207	–
	62	19,9	35 500	67 000	3 100	0,028	6 000	8 000	0,265	0,057	53207	U207
	68	24	50 000	89 000	4 050	0,05	4 850	8 200	0,351	–	51307	–
	68	25,6	50 000	89 000	4 050	0,05	4 850	8 200	0,437	0,082	53307	U307
	80	32	76 000	126 000	5 700	0,11	3 600	8 500	0,709	–	51407	–
40	60	13	25 500	62 000	2 850	0,02	7 400	6 400	0,119	–	51108	–
	68	19	44 000	97 000	4 400	0,05	5 500	6 900	0,257	–	51208	–
	68	20,3	44 000	97 000	4 400	0,05	5 500	6 900	0,259	0,07	53208	U208
	78	26	61 000	112 000	5 100	0,081	4 250	7 600	0,536	–	51308	–
	78	28,5	61 000	112 000	5 100	0,081	4 250	7 600	0,561	0,114	53308	U308
	90	36	96 000	170 000	7 700	0,18	3 250	7 600	1,03	–	51408	–
45	65	14	26 500	69 000	3 100	0,025	7 100	5 800	0,15	–	51109	–
	73	20	39 000	80 000	3 650	0,043	5 500	6 600	0,279	–	51209	–
	73	21,3	39 000	80 000	3 650	0,043	5 500	6 600	0,278	0,087	53209	U209
	85	28	75 000	140 000	6 500	0,12	3 800	6 800	0,612	–	51309	–
	85	30,1	75 000	140 000	6 500	0,12	3 800	6 800	0,783	0,171	53309	U309
	100	39	123 000	222 000	10 100	0,29	2 850	6 900	1,36	–	51409	–
50	70	14	27 000	75 000	3 400	0,029	6 800	5 200	0,162	–	51110	–
	78	22	50 000	106 000	4 850	0,069	4 950	5 700	0,346	–	51210	–
	78	23,5	50 000	106 000	4 850	0,069	4 950	5 700	0,341	0,098	53210	U210
	95	31	82 000	169 000	7 700	0,18	3 550	6 400	0,932	–	51310	–
	95	34,3	82 000	169 000	7 700	0,18	3 550	6 400	0,97	0,22	53310	U310
	110	43	138 000	255 000	11 700	0,4	2 650	6 500	1,81	–	51410	–
55	78	16	30 500	75 000	3 400	0,036	6 100	5 200	0,208	–	51111	–
	90	25	58 000	133 000	6 000	0,11	4 350	5 700	0,382	–	51211	–
	90	27,3	58 000	133 000	6 000	0,11	4 350	5 700	0,609	0,152	53211	U211
	105	35	102 000	207 000	9 500	0,26	3 200	6 000	1,3	–	51311	–
	105	39,3	102 000	207 000	9 500	0,26	3 200	6 000	1,38	0,27	53311	U311
	120	48	167 000	315 000	14 400	0,59	2 340	6 000	2,83	–	51411	–

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