Single–direction angular contact thrust ball bearings

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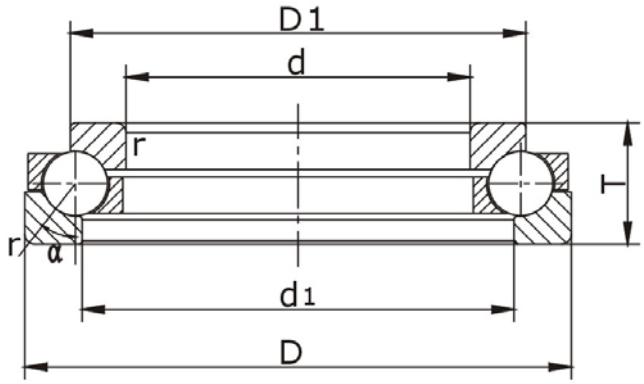


Boundary dimensions mm						Basic load ratings kN		Designations		Mass	Contact angle	Limiting speeds r/min	
d	d_1	D	D_1	T	r_{min}	Ca	Coa	Current	Original	kg	α	Grease	Oil
420	430	500	490	48	2	260	1440	569184	9168184	15.9	60°	830	1100
	462	580	538	73	5	330	2010	567284	7168284	51	45°	700	980
440	458	540	522	60	2.1	380	1980	569188	9168188	25.5	45°	660	950
500	530	600	570	60	2.1	322	1965	5691/500	91681/500	25.3	60°	660	950
530	590	710	650	109	5	695	4320	5692/530	91682/530	93.9	60°	350	500
600	635	710	675	67	3	380	2484	5691/600	91681/600	37.6	60°	510	720
620	665	780	735	102	3.5	776	3588	5617/620	1687/620	95.2	45°	340	490
650	720	880	800	140	6	1105	7692	5617/650	1687/650	194	60°	260	370
670	740	900	830	140	6	1260	6084	5692/670	91682/670	206	45°	250	360
750	780	900	870	90	4	587	4620	5691/750	91681/750	94.4	60°	340	480
800	840	950	910	120	4	850	6310	5611/800	1681/800	140	60°	200	240
	870	1060	990	155	7.5	1145	8868	5692/800	91682/800	293	60°	180	250
810	880	1030	960	110	7.5	780	4080	5617/810	1687/810	176	45°	280	400
950	1040	1250	1160	180	7.5	1500	9168	5691/950	91682/950	432	45°	120	170
1000	1040	1180	1140	109	5	1076	6516	5691/1000	91681/1000	177	45°	250	360
1120	1170	1320	1270	122	5	1018	10272	5691/1120	91681/1120	241	60°	180	260
1600	1660	1760	1700	90	6	682	8052	5617/1600	1687/1600	248	60°	210	300

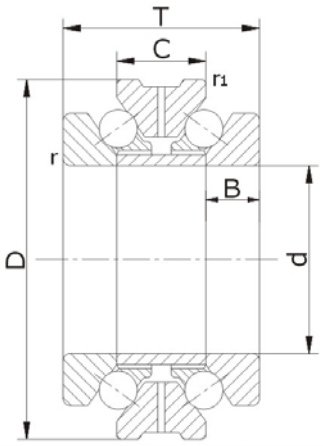
Double–direction angular contact thrust ball bearings

Double–direction angular contact thrust ball bearings are high precision bearings which are specially designed for spindles of machine tools.They are able to carry axial loads in two directions, and they have more balls with small diameters. The centrifugal influence can be reduced as their 60° contact angle,so more suitable for high speed application.

It can carry axial loads that dimension series 2344 and 2349 double–direction angular contact thrust ball bearings fit with dimension series NN30 and NU49 double–row cylindrical roller bearings.

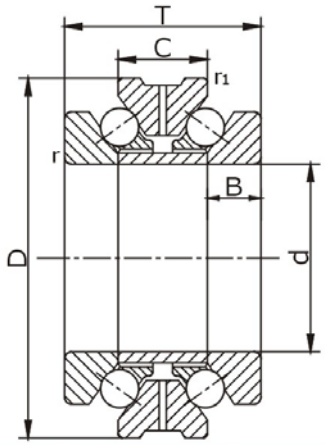
Double–direction angular contact thrust ball bearings with class SP whose running accuracy is P4 and dimension accuracy is P5 can produced by us.

Double–direction angular contact thrust ball bearings



Boundary dimensions mm							Basic load ratings kN		Designations	Contact angle	Limiting speeds r/min	
d	D	T	C	B	r_{min}	r_{1min}	Ca	Coa		kg	Grease	Oil
140	190	60	30	15	1.5	1	91.5	365	234928	4.2	2000	2800
	210	84	42	21	2.1	0.6	145	525	234428	8.75	1800	2600
150	210	72	36	18	2	1	116	465	234930	6.6	1800	2400
	225	90	45	22.5	2.1	0.6	172	620	234430	10.7	1700	2400
160	220	72	36	18	2	1	118	490	234932	7.0	1700	2400
	240	96	48	24	2.1	0.6	185	680	234432	13	1600	2200
170	230	72	36	18	2	1	120	520	234934	7.35	1600	2200
	260	108	54	27	2.1	0.6	218	810	234434	17.7	1500	2000
180	250	84	42	21	2	1	158	655	234936	10.7	1500	2000
	280	120	60	30	2.1	0.6	281	1020	234436	23.4	1400	1900
190	260	84	42	21	2	1	161	695	234938	11	1400	2000
	290	120	60	30	2.1	0.6	285	1060	234438	24.4	1300	1800
200	280	96	48	24	2	1	204	855	234940	15.7	1300	1800
	310	132	66	33	2.1	0.6	315	1180	234440	31.5	1200	1700
220	300	96	48	24	2	1	210	930	234944	17	1200	1700
	340	144	72	36	3	1	360	1390	234444	41	1100	1500
240	320	96	48	24	2	1	213	980	234948	18.3	1100	1500
	360	144	72	36	3	1	360	1450	234448	44	1000	1400

Double–direction angular contact thrust ball bearings



Boundary dimensions mm							Basic load ratings kN		Designations	Contact angle	Limiting speeds r/min	
d	D	T	C	B	r_{min}	r_{1min}	Ca	Coa		kg	Grease	Oil
260	360	120	60	30	2	1	315	1390	234952	30	1000	1400
	400	164	82	41	3	1.5	440	1890	234452	64.5	900	1300
280	380	120	60	30	2	1	320	1470	234956	33.5	900	1300
	420	164	82	41	3	1.5	440	1960	234456	68	850	1200
300	420	144	72	36	3	1	395	1810	234960	53	850	1200
320	440	144	72	36	3	1	405	1920	234964	55.5	800	1100
340	460	144	72	36	3	1.1	415	2020	234968	58.5	750	1000
360	480	144	72	36	3	1.1	420	2130	234972	61.5	710	950
380	520	164	82	41	4	1.5	485	2560	234976	87.5	630	900
400	540	164	82	41	4	1.5	495	2700	234980	91.5	600	850