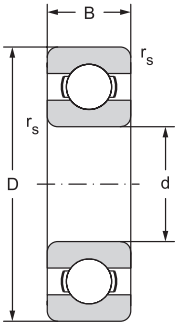
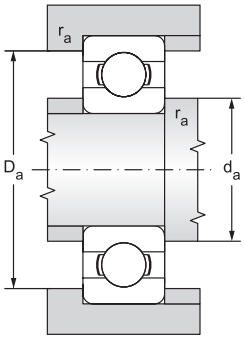
Electrically insulated ball bearings d = 70 to 150 mm



12.12.2

Main dimensions				Basic load rating		Fatique load limit
d	D	B	r_s	dynamic C_r	static C_{or}	P_u
mm				kN		kN
70	125	24,0	1,5	62,00	43,80	1,991
	150	35,0	2,1	104,00	63,10	2,735
75	130	25,0	1,5	66,18	49,31	2,214
	160	37,0	2,1	114,00	76,40	3,204
80	140	26,0	2,0	72,20	53,10	2,301
	170	37,0	2,1	122,85	86,23	3,506
85	150	28,0	2,0	83,30	63,68	2,670
	180	41,0	3,0	132,51	96,07	3,794
90	160	30,0	2,0	96,20	70,80	2,878
	190	43,0	3,0	144,00	108,00	4,149
95	170	32,0	2,1	108,00	81,00	3,199
	200	45,0	3,0	152,44	117,37	4,393
100	180	34,0	2,1	123,00	92,60	3,557
	215	47,0	3,0	174,00	141,00	5,107
110	200	38,0	2,1	144,00	117,00	4,272
	240	50,0	3,0	203,00	180,00	6,185
120	215	40,0	2,1	144,00	117,00	4,109
	260	55,0	3,0	208,00	186,00	6,134
130	230	40,0	3,0	156,00	132,00	4,472
	280	58,0	4,0	229,00	216,00	6,857
140	250	42,0	3,0	166,00	150,00	4,883
	300	62,0	4,0	251,00	245,00	7,508
150	270	45,0	3,0	190,00	181,00	5,677
	320	65,0	4,0	276,00	285,00	8,451



Limiting speed for lubrication with		Bearing designation	Abutment and fillet dimensions			Weight
grease	olejem		d_a min	D_a max	r_a max	~
min^{-1}			mm			kg
5300	6300	**6214M TM01**	77,0	116,0	1,5	1,07
4700	5600	**6314M TM01**	81,0	138,0	2,0	2,54
5000	6000	**6215M TM01**	82,0	122,0	1,5	1,18
4200	5000	**6315M TM01**	86,0	148,0	2,0	3,06
4700	5600	**6216M TM01**	90,0	130,0	2,0	1,40
4000	4700	**6316M TM01**	91,0	158,0	2,0	3,63
4200	5000	**6217M TM01**	95,0	140,0	2,0	1,80
3800	4500	**6317M TM01**	98,0	166,0	2,5	4,20
4000	4700	**6218M TM01**	100,0	150,0	2,0	2,16
3500	4200	**6318M TM01**	103,0	176,0	2,5	4,95
3800	4500	**6219M TM01**	107,0	158,0	2,0	2,60
3300	4000	**6319M TM01**	109,0	186,0	2,5	5,72
3500	4200	**6220M TM01**	112,0	169,0	2,0	3,13
3200	3800	**6320M TM01**	113,0	201,0	2,5	7,07
3200	3800	**6222M TM01**	122,0	188,0	2,0	4,37
2600	3200	**6322M TM01**	123,0	227,0	2,5	9,58
3000	3500	**6224M TM01**	132,0	203,0	2,0	5,15
2500	3000	**6324M TM01**	134,0	246,0	2,5	12,5
2600	3100	**6226M TM01**	144,0	216,0	2,5	5,75
2350	2800	**6326M TM01**	147,0	263,0	3,0	15,2
2500	3000	**6228M TM01**	154,0	236,0	2,5	7,56
2350	2800	**6328M TM01**	157,0	283,0	3,0	21,8
2200	2700	**6230M TM01**	164,0	256,0	2,5	9,85
2000	2400	**6330M TM01**	167,0	303,0	3,0	24,0