

45 to 50 mm

Designation	Boundary dimensions			Balls			Dimensions						Abutment dimensions					Weight	Contact angle	Load rating			Speed value		Preload/axial rigidity						Spring preload	Designation
	d	D	B	d_m	D_W	Z	d_1	d_2	D_1	D_2	$r_{1,2}$	$r_{3,4}$	$r_{a\,max}$	$r_{b\,max}$	$d_{a,\,b\,min}$	$D_{a,\,b\,max}$	d_T	m	α_0	C	C_0	$C_{0\,HY}$	n_{oil}	n_{grease}	F_v	C_{ax}	F_v	C_{ax}	F_v	C_{ax}	F_f	
																									L		M		S			
45 mm																																**45 mm**
S 61909 C TA	45	68	12	56.5	6.35	20	52.3		60.7	62.7	0.6	0.3	0.6	0.15	50.0	63.5	54.5	0.128	15	15200	13600	9600	30000	22500	80	49	230	79	460	112	390	S 61909 C TA
S 61909 E TA	45	68	12	56.5	6.35	20	52.3		60.7	62.7	0.6	0.3	0.6	0.15	50.0	63.5	54.5	0.128	25	14300	12900	9100	25500	19000	120	115	360	173	720	232	520	S 61909 E TA
SM 61909 C TA	45	68	12	56.5	6.35	20	52.3		60.7	62.7	0.6	0.3	0.6	0.15	50.0	63.5	54.5	0.128	17	10600	6800	4800	35000	26000	55	42	160	64	320	85	365	SM 61909 C TA
KH 61909 C TA	45	68	12	56.5	4.762	28	52.3	50.8	60.7	62.2	0.6	0.3	0.6	0.15	50.0	63.5	53.8	0.128	17	7300	5150	3600	38000	28500	35	40	110	61	220	81	265	KH 61909 C TA
KH 61909 E TA	45	68	12	56.5	4.762	28	52.3	50.8	60.7	62.2	0.6	0.3	0.6	0.15	50.0	63.5	53.8	0.128	25	6950	4900	3450	34000	25500	60	86	170	124	350	162	335	KH 61909 E TA
S 6009 C TA	45	75	16	60.0	8.731	18	54.7		65.0	68.6	1.0	0.6	1.0	0.3	51.0	69.0	57.6	0.238	15	27000	22600	15900	28000	21000	130	60	400	105	800	150	690	S 6009 C TA
S 6009 E TA	45	75	16	60.0	8.731	18	54.7		65.0	68.6	1.0	0.6	1.0	0.3	51.0	69.0	57.6	0.238	25	26000	21500	15100	24000	18000	210	140	650	220	1300	300	950	S 6009 E TA
SM 6009 C TA	45	75	16	60.0	8.731	18	54.7		65.0	68.6	1.0	0.6	1.0	0.3	51.0	69.0	57.6	0.238	15	18500	11400	8000	33000	24500	90	44	275	69	550	93	560	SM 6009 C TA
KH 6009 C TA	45	75	16	60.0	6.35	22	54.7	53	65.6	67.8	1.0	0.6	1.0	0.3	51.0	69.0	56.9	0.238	17	10800	6950	4900	36000	27000	55	44	160	65	330	88	390	KH 6009 C TA
KH 6009 E TA	45	75	16	60.0	6.35	22	54.7	53	65.6	67.8	1.0	0.6	1.0	0.3	51.0	69.0	56.9	0.238	25	10300	6650	4700	32000	24000	90	92	260	135	520	175	490	KH 6009 E TA
S 6209 C TA	45	85	19	65.0	12.7	14	57.4		72.5	77.5	1.1	0.6	1.0	0.6	53.0	77.0	61.7	0.416	15	45500	33500	23500	26000	19500	230	71	700	119	1400	171	1170	S 6209 C TA
S 6209 E TA	45	85	19	65.0	12.7	14	57.4		72.5	77.5	1.1	0.6	1.0	0.6	53.0	77.0	61.7	0.416	25	43500	32500	22600	22500	17000	370	169	1100	257	2200	346	1580	S 6209 E TA
50 mm																																**50 mm**
S 61910 C TA	50	72	12	61.0	6.35	21	56.8		65.2	67.2	0.6	0.3	0.6	0.15	55.0	67.5	58.9	0.129	15	15400	14500	10200	28000	21000	80	50	230	81	460	115	395	S 61910 C TA
S 61910 E TA	50	72	12	61.0	6.35	21	56.8		65.2	67.2	0.6	0.3	0.6	0.15	55.0	67.5	58.9	0.129	25	14500	13700	9700	24000	18000	120	119	370	180	740	241	530	S 61910 E TA
SM 61910 C TA	50	72	12	61.0	6.35	21	56.8		65.2	67.2	0.6	0.3	0.6	0.15	55.0	67.5	58.9	0.129	17	10900	7200	5100	33000	24500	55	44	170	67	330	89	375	SM 61910 C TA
KH 61910 C TA	50	72	12	61.0	4.762	30	56.8	55.3	65.2	66.7	0.6	0.3	0.6	0.15	55.0	67.5	58.3	0.129	17	7500	5550	3900	35000	26000	40	44	110	64	230	86	270	KH 61910 C TA
KH 61910 E TA	50	72	12	61.0	4.762	30	56.8	55.3	65.2	66.7	0.6	0.3	0.6	0.15	55.0	67.5	58.3	0.129	25	7150	5300	3700	32000	24000	60	90	180	132	360	171	340	KH 61910 E TA
S 6010 C TA	50	80	16	65.0	8.731	19	59.7		70.0	73.6	1.0	0.6	1.0	0.3	56.0	74.0	62.5	0.256	15	28000	24300	17100	26000	19500	140	64	420	110	840	160	715	S 6010 C TA
S 6010 E TA	50	80	16	65.0	8.731	19	59.7		70.0	73.6	1.0	0.6	1.0	0.3	56.0	74.0	62.5	0.256	25	26500	23100	16300	22000	16500	220	145	670	230	1330	310	970	S 6010 E TA
SM 6010 C TA	50	80	16	65.0	8.731	19	59.7		70.0	73.6	1.0	0.6	1.0	0.3	56.0	74.0	62.5	0.256	15	19000	12300	8600	31000	23000	100	47	290	72	580	99	570	SM 6010 C TA
KH 6010 C TA	50	80	16	65.0	6.35	25	59.7	58	70.7	73.1	1.0	0.6	1.0	0.3	56.0	74.0	61.9	0.256	17	11600	8000	5650	33000	24500	60	49	180	74	350	98	415	KH 6010 C TA
KH 6010 E TA	50	80	16	65.0	6.35	25	59.7	58	70.7	73.1	1.0	0.6	1.0	0.3	56.0	74.0	61.9	0.256	25	11100	7600	5350	30000	22500	90	100	280	150	560	194	530	KH 6010 E TA
S 6210 C TA	50	90	20	70.0	12.7	15	62.5		76.9	82.7	1.1	0.6	1.0	0.6	58.0	82.0	66.7	0.486	15	47500	37000	26000	24500	18500	240	75	720	125	1440	178	1220	S 6210 C TA
S 6210 E TA	50	90	20	70.0	12.7	15	62.5		76.9	82.7	1.1	0.6	1.0	0.6	58.0	82.0	66.7	0.486	25	45000	35500	24700	20500	15500	380	177	1140	271	2280	363	1640	S 6210 E TA