

7 to 10 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			
7 mm																																**7 mm**
S 619/7 C TA	7	17	5	12.0	2.381	11	10.0		13.6	14.1	0.3	0.3	0.3	0.1	9.0	15.0	10.9	0.005	15	1510	655	460	145000	110000	8	9	23	15	46	21	40	S 619/7 C TA
S 607 C TA	7	19	6	13.0	3.175	10	10.7		15.8	16.5	0.3	0.3	0.3	0.1	9.5	16.5	12.1	0.007	15	2600	1170	820	125000	94000	12	11	40	20	80	30	70	S 607 C TA
SM 607 C TA	7	19	6	13.0	3.175	10	10.7		15.8	16.5	0.3	0.3	0.3	0.1	9.5	16.5	12.1	0.007	15	1920	675	475	150000	110000	10	10	30	15	60	21	60	SM 607 C TA
S 627 C TA	7	22	7	14.5	3.969	9	11.8		17.6	18.6	0.3	0.3	0.3	0.15	10.0	19.0	13.4	0.013	15	3400	1460	1030	115000	86000	20	13	50	19	100	28	90	S 627 C TA
8 mm																																**8 mm**
S 619/8 C TA	8	19	6	13.5	3.175	10	10.7		15.9	16.5	0.3	0.3	0.3	0.1	10.0	17.0	12.2	0.007	15	2600	1170	820	125000	94000	12	12	35	19	70	27	70	S 619/8 C TA
S 608 C TA	8	22	7	15.0	3.969	9	11.8		17.6	18.6	0.3	0.3	0.3	0.1	10.5	19.0	13.4	0.010	15	3400	1460	1030	115000	86000	17	12	50	20	100	28	90	S 608 C TA
SM 608 C TA	8	22	7	15.0	3.969	9	11.8		17.6	18.6	0.3	0.3	0.3	0.1	10.5	19.0	13.4	0.010	15	2700	980	685	136000	100000	13	10	40	16	80	22	85	SM 608 C TA
9 mm																																**9 mm**
S 619/9 C TA	9	20	6	14.5	3.175	11	12.4		17.2	17.9	0.3	0.2	0.3	0.1	11.5	18.0	13.7	0.007	15	2800	1330	940	115000	86000	12	13	40	21	75	29	75	S 619/9 C TA
S 609 C TA	9	24	7	16.5	3.969	10	13.5		19.9	20.6	0.3	0.3	0.3	0.1	11.5	21.0	15.2	0.014	15	3750	1710	1200	102000	76000	20	14	60	24	120	35	100	S 609 C TA
SM 609 C TA	9	24	7	16.5	3.969	10	13.5		19.9	20.6	0.3	0.3	0.3	0.1	11.5	21.0	15.2	0.014	15	2950	1150	810	120000	90000	16	12	50	20	100	27	90	SM 609 C TA
S 629 C TA	9	26	8	17.5	4.762	10	14.7		21.4	22.7	0.3	0.3	0.3	0.15	13.0	23.0	16.5	0.020	15	5450	2600	1830	94000	70000	30	19	80	30	160	42	140	S 629 C TA
10 mm																																**10 mm**
S 61800 C TA	10	19	5	14.5	2.381	13	12.8		16.2	16.9	0.3	0.2	0.3	0.15	12.0	17.0	13.6	0.005	15	1660	830	580	115000	86000	8	10	25	17	50	23	45	S 61800 C TA
S 61800 E TA	10	19	5	14.5	2.381	13	12.8		16.2	16.9	0.3	0.2	0.3	0.15	12.0	17.0	13.6	0.005	25	1500	725	510	100000	75000	13	25	40	39	80	51	55	S 61800 E TA
S 61900 C TA	10	22	6	16.0	3.175	11	13.6		17.8	18.8	0.3	0.3	0.3	0.1	12.5	19.5	14.7	0.010	15	2800	1360	960	110000	82000	12	13	40	21	75	29	75	S 61900 C TA
S 61900 E TA	10	22	6	16.0	3.175	11	13.6		17.8	18.8	0.3	0.3	0.3	0.1	12.5	19.5	14.7	0.010	25	2700	1300	920	92000	69000	22	32	70	50	140	65	100	S 61900 E TA
SM 61900 C TA	10	22	6	16.0	3.175	11	13.6		17.8	18.8	0.3	0.3	0.3	0.1	12.5	19.5	14.7	0.010	15	2080	810	565	125000	94000	11	11	30	16	65	23	65	SM 61900 C TA
KH 61900 C TA	10	22	6	16.0	2.381	14	13.6	13.3	17.8	18.5	0.3	0.3	0.3	0.1	12.5	19.5	14.5	0.010	17	1420	590	415	135000	100000	7	12	21	18	45	25	55	KH 61900 C TA
KH 61900 E TA	10	22	6	16.0	2.381	14	13.6	13.3	17.8	18.5	0.3	0.3	0.3	0.1	12.5	19.5	14.5	0.010	25	1360	565	400	125000	94000	11	25	35	37	70	49	65	KH 61900 E TA
S 6000 C TA	10	26	8	18.0	4.762	10	14.7		21.4	22.7	0.3	0.3	0.3	0.1	12.5	23.0	16.5	0.018	15	5450	2600	1830	95000	71000	25	17	80	30	160	43	140	S 6000 C TA
S 6000 E TA	10	26	8	18.0	4.762	10	14.7		21.4	22.7	0.3	0.3	0.3	0.1	12.5	23.0	16.5	0.018	25	5250	2550	1760	80000	60000	45	42	130	65	260	87	195	S 6000 E TA
SM 6000 C TA	10	26	8	18.0	4.762	10	14.7		21.4	22.7	0.3	0.3	0.3	0.1	12.5	23.0	16.5	0.018	15	3950	1530	1070	111000	83000	18	13	60	22	110	29	120	SM 6000 C TA
KH 6000 C TA	10	26	8	18.0	3.175	11	14.7	14.2	20.5	21.3	0.3	0.3	0.3	0.1	12.5	23.0	15.9	0.018	17	2020	780	550	125000	94000	10	12	30	19	60	26	75	KH 6000 C TA
KH 6000 E TA	10	26	8	18.0	3.175	11	14.7	14.2	20.5	21.3	0.3	0.3	0.3	0.1	12.5	23.0	15.9	0.018	25	1950	750	530	110000	82000	16	26	50	39	100	51	95	KH 6000 E TA
S 6200 C TA	10	30	9	20.0	5.556	10	16.0		24.5	25.5	0.6	0.6	0.6	0.3	14.5	25.5	18.3	0.030	15	7500	3750	2650	85000	64000	40	23	120	39	230	54	195	S 6200 C TA
S 6200 E TA	10	30	9	20.0	5.556	10	16.0		24.5	25.5	0.6	0.6	0.6	0.3	14.5	25.5	18.3	0.030	25	7250	3600	2550	72000	54000	60	54	180	81	360	110	265	S 6200 E TA