

100 to 120 mm

Designation	Boundary dimensions			Balls			Dimensions						Abutment dimensions					Weight	Contact angle	Load rating			Speed value		Preload/axial rigidity						Spring preload	Designation
																									L		M		S			
	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	
100 mm																																**100 mm**
S 61920 C TA	100	140	20	120	11.906	25	112.8		127.2	132.0	0.6	0.6	0.6	0.6	107	133	116.5	0.80	15	51500	57000	40500	14000	10500	260	100	790	162	1570	226	1320	S 61920 C TA
S 61920 E TA	100	140	20	120	11.906	25	112.8		127.2	132.0	0.6	0.6	0.6	0.6	107	133	116.5	0.80	25	48500	54000	38000	12000	9000	410	240	1230	365	2470	480	1760	S 61920 E TA
SM 61920 C TA	100	140	20	120	11.906	25	112.8		127.2	132.0	0.6	0.6	0.6	0.6	107	133	116.5	0.80	19	37500	31000	21700	16500	12500	190	107	570	160	1150	211	1430	SM 61920 C TA
S 6020 C TA	100	150	24	125	15.081	22	115.8		134.2	140.1	1.5	0.6	1.5	0.6	110	141	120.7	1.25	15	78000	83000	58000	13500	10000	400	118	1190	193	2380	275	1990	S 6020 C TA
S 6020 E TA	100	150	24	125	15.081	22	115.8		134.2	140.1	1.5	0.6	1.5	0.6	110	141	120.7	1.25	25	74000	79000	55000	11500	8600	630	285	1880	430	3750	570	2700	S 6020 E TA
SM 6020 C TA	100	150	24	125	15.081	22	115.8		134.2	140.1	1.5	0.6	1.5	0.6	110	141	120.7	1.25	17	55000	43000	30500	16000	12000	280	104	840	158	1680	210	1880	SM 6020 C TA
105 mm																																**105 mm**
S 61921 C TA	105	145	20	125	11.906	26	117.8		132.2	137.0	0.6	0.6	0.6	0.6	112	138	121.5	0.83	15	52500	60000	42000	13500	10000	270	103	800	166	1600	232	1340	S 61921 C TA
S 61921 E TA	105	145	20	125	11.906	26	117.8		132.2	137.0	0.6	0.6	0.6	0.6	112	138	121.5	0.83	25	49500	56500	40000	11500	8600	420	248	1250	375	2510	495	1800	S 61921 E TA
SM 61921 C TA	105	145	20	125	11.906	26	117.8		132.2	137.0	0.6	0.6	0.6	0.6	112	138	121.5	0.83	19	38500	32500	22700	16000	12000	200	112	590	166	1170	218	1470	SM 61921 C TA
S 6021 C TA	105	160	26	132.5	15.875	22	122.8		142.2	148.4	2.0	1.0	2.0	1.0	116	150	127.9	1.59	15	86000	92000	64500	13000	9800	440	125	1310	203	2610	285	2200	S 6021 C TA
S 6021 E TA	105	160	26	132.5	15.875	22	122.8		142.2	148.4	2.0	1.0	2.0	1.0	116	150	127.9	1.59	25	81000	87000	61500	11000	8200	690	300	2060	450	4120	595	2950	S 6021 E TA
SM 6021 C TA	105	160	26	132.5	15.875	22	122.8		142.2	148.4	2.0	1.0	2.0	1.0	116	150	127.9	1.59	17	60500	48000	34000	15000	11000	310	109	930	166	1850	221	2060	SM 6021 C TA
110 mm																																**110 mm**
S 61922 C TA	110	150	20	130	11.906	27	122.8		137.2	142.0	0.6	0.6	0.6	0.6	117	143	126.5	0.86	15	53500	62500	44000	13000	9800	270	106	810	170	1620	238	1370	S 61922 C TA
S 61922 E TA	110	150	20	130	11.906	27	122.8		137.2	142.0	0.6	0.6	0.6	0.6	117	143	126.5	0.86	25	50000	59000	41500	11000	8200	420	255	1270	385	2550	510	1820	S 61922 E TA
SM 61922 C TA	110	150	20	130	11.906	27	122.8		137.2	142.0	0.6	0.6	0.6	0.6	117	143	126.5	0.86	19	39000	34000	23700	15500	11500	200	114	600	171	1190	224	1490	SM 61922 C TA
S 6022 C TA	110	170	28	140	17.462	21	129.4		150.6	157.5	2.0	1.0	2.0	1.0	121	159	135.0	1.98	15	99000	105000	73500	12000	9000	500	130	1510	212	3020	300	2550	S 6022 C TA
S 6022 E TA	110	170	28	140	17.462	21	129.4		150.6	157.5	2.0	1.0	2.0	1.0	121	159	135.0	1.98	25	94000	100000	70000	10500	7900	790	310	2380	470	4760	625	3450	S 6022 E TA
SM 6022 C TA	110	170	28	140	17.462	21	129.4		150.6	157.5	2.0	1.0	2.0	1.0	121	159	135.0	1.98	17	70000	55000	39000	14500	11000	360	115	1070	174	2140	232	2380	SM 6022 C TA
120 mm																																**120 mm**
S 61924 C TA	120	165	22	142.5	13.494	27	134.3		150.7	156.0	0.6	0.6	0.6	0.6	128	157	138.5	1.18	15	67500	80000	56000	12000	9000	340	120	1030	195	2060	275	1730	S 61924 C TA
S 61924 E TA	120	165	22	142.5	13.494	27	134.3		150.7	156.0	0.6	0.6	0.6	0.6	128	157	138.5	1.18	25	64000	76000	53000	10000	7500	540	290	1620	440	3250	580	2320	S 61924 E TA
SM 61924 C TA	120	165	22	142.5	13.494	27	134.3		150.7	156.0	0.6	0.6	0.6	0.6	128	157	138.5	1.18	19	49500	43500	30500	14000	10500	250	129	750	194	1500	255	1890	SM 61924 C TA
S 6024 C TA	120	180	28	150	17.462	23	139.4		160.6	167.5	2.0	1.0	2.0	1.0	131	169	145.0	2.13	15	104000	116000	82000	11500	8600	530	140	1580	227	3170	320	2700	S 6024 C TA
S 6024 E TA	120	180	28	150	17.462	23	139.4		160.6	167.5	2.0	1.0	2.0	1.0	131	169	145.0	2.13	25	98000	110000	78000	9700	7300	830	335	2490	510	4990	670	3600	S 6024 E TA
SM 6024 C TA	120	180	28	150	17.462	23	139.4		160.6	167.5	2.0	1.0	2.0	1.0	131	169	145.0	2.13	17	74000	61000	43000	13500	10000	380	124	1130	188	2250	250	2550	SM 6024 C TA