

80 to 95 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			
80 mm																																**80 mm**
S 61916 C TA	80	110	16	95	9.525	25	89.4		100.8	104.6	0.6	0.3	0.6	0.3	86	104	92.4	0.37	15	35500	38500	27000	18000	13500	180	84	540	136	1080	192	910	S 61916 C TA
S 61916 E TA	80	110	16	95	9.525	25	89.4		100.8	104.6	0.6	0.3	0.6	0.3	86	104	92.4	0.37	25	33500	36500	25500	15500	11500	280	199	840	305	1680	400	1220	S 61916 E TA
SM 61916 C TA	80	110	16	95	9.525	25	89.4		100.8	104.6	0.6	0.3	0.6	0.3	86	104	92.4	0.37	19	25500	20100	14200	21000	15500	130	88	390	133	780	175	970	SM 61916 C TA
S 6016 C TA	80	125	22	102.5	13.494	20	94.3		110.7	116.1	1.1	0.6	1.1	0.6	88	117	98.7	0.84	15	60000	58000	41000	16500	12500	310	98	920	159	1830	224	1540	S 6016 C TA
S 6016 E TA	80	125	22	102.5	13.494	20	94.3		110.7	116.1	1.1	0.6	1.1	0.6	88	117	98.7	0.84	25	57500	56500	40000	14000	10500	490	235	1470	360	2930	475	2090	S 6016 E TA
SM 6016 C TA	80	125	22	102.5	13.494	20	94.3		110.7	116.1	1.1	0.6	1.1	0.6	88	117	98.7	0.84	17	43000	31000	21600	19500	14500	220	87	650	131	1300	174	1470	SM 6016 C TA
85 mm																																**85 mm**
S 61917 C TA	85	120	18	102.5	10.319	25	96.2		108.8	112.9	0.6	0.6	0.6	0.6	92	114	99.5	0.54	15	40000	43000	30500	16500	12500	200	87	610	142	1220	198	1020	S 61917 C TA
S 61917 E TA	85	120	18	102.5	10.319	25	96.2		108.8	112.9	0.6	0.6	0.6	0.6	92	114	99.5	0.54	25	37500	40500	28500	14000	10500	320	210	960	320	1910	420	1360	S 61917 E TA
SM 61917 C TA	85	120	18	102.5	10.319	25	96.2		108.8	112.9	0.6	0.6	0.6	0.6	92	114	99.5	0.54	19	29500	23200	16300	19500	14500	150	94	440	140	890	185	1130	SM 61917 C TA
S 6017 C TA	85	130	22	107.5	13.494	21	99.3		115.7	121.1	1.1	0.6	1.1	0.6	93	122	103.7	0.89	15	61500	61500	43500	16000	12000	310	101	940	165	1880	233	1570	S 6017 C TA
S 6017 E TA	85	130	22	107.5	13.494	21	99.3		115.7	121.1	1.1	0.6	1.1	0.6	93	122	103.7	0.89	25	59000	60000	42000	13500	10000	500	245	1500	370	3000	495	2140	S 6017 E TA
SM 6017 C TA	85	130	22	107.5	13.494	21	99.3		115.7	121.1	1.1	0.6	1.1	0.6	93	122	103.7	0.89	17	44000	32500	22900	18500	14000	220	89	670	137	1340	182	1500	SM 6017 C TA
90 mm																																**90 mm**
S 61918 C TA	90	125	18	107.5	10.319	26	101.2		113.8	117.9	0.6	0.6	0.6	0.6	97	119	104.5	0.56	15	40500	45000	31500	16000	12000	210	91	620	146	1240	204	1040	S 61918 C TA
S 61918 E TA	90	125	18	107.5	10.319	26	101.2		113.8	117.9	0.6	0.6	0.6	0.6	97	119	104.5	0.56	25	38500	42500	30000	13500	10000	320	216	970	330	1940	435	1400	S 61918 E TA
SM 61918 C TA	90	125	18	107.5	10.319	26	101.2		113.8	117.9	0.6	0.6	0.6	0.6	97	119	104.5	0.56	19	30000	24200	17000	18500	14000	150	97	450	145	910	191	1140	SM 61918 C TA
S 6018 C TA	90	140	24	115	15.081	20	105.8		124.2	130.1	1.5	0.6	1.5	0.6	100	131	110.7	1.15	15	74500	74000	52000	15000	11000	380	110	1130	179	2270	255	1900	S 6018 C TA
S 6018 E TA	90	140	24	115	15.081	20	105.8		124.2	130.1	1.5	0.6	1.5	0.6	100	131	110.7	1.15	25	70500	70000	49500	12500	9400	600	265	1790	400	3570	525	2600	S 6018 E TA
SM 6018 C TA	90	140	24	115	15.081	20	105.8		124.2	130.1	1.5	0.6	1.5	0.6	100	131	110.7	1.15	17	52000	38500	27000	17500	13000	270	96	800	146	1590	194	1770	SM 6018 C TA
95 mm																																**95 mm**
S 61919 C TA	95	130	18	112.5	10.319	27	106.2		118.8	122.9	0.6	0.6	0.6	0.6	102	124	109.5	0.59	15	41000	47000	33000	15000	11000	210	93	630	150	1250	209	1050	S 61919 C TA
S 61919 E TA	95	130	18	112.5	10.319	27	106.2		118.8	122.9	0.6	0.6	0.6	0.6	102	124	109.5	0.59	25	39000	44500	31500	13000	9800	330	223	980	335	1970	445	1420	S 61919 E TA
SM 61919 C TA	95	130	18	112.5	10.319	27	106.2		118.8	122.9	0.6	0.6	0.6	0.6	102	124	109.5	0.59	19	30500	25500	17800	18000	13500	150	99	460	150	920	196	1160	SM 61919 C TA
S 6019 C TA	95	145	24	120	15.081	21	110.8		129.2	135.1	1.5	0.6	1.5	0.6	105	136	115.7	1.20	15	77000	79000	55000	14000	10500	390	114	1160	186	2330	265	1970	S 6019 C TA
S 6019 E TA	95	145	24	120	15.081	21	110.8		129.2	135.1	1.5	0.6	1.5	0.6	105	136	115.7	1.20	25	72000	74500	52500	12000	9000	610	275	1830	415	3660	550	2650	S 6019 E TA
SM 6019 C TA	95	145	24	120	15.081	21	110.8		129.2	135.1	1.5	0.6	1.5	0.6	105	136	115.7	1.20	17	53500	41000	28500	16500	12500	270	99	820	152	1640	202	1820	SM 6019 C TA