

SC performance specs

type (OC, OI, etc.)	outer diameter, in 16ths of an inch	placeholder, D	part number												midsection material (see chart at right)	placeholder, "MID"
			bore one size, in 16ths of an inch (E) or in mm (M)	E = English, M = metric bore	bore one type (b = blind, T = thru, K = keyway)	bore two size, in 16ths of an inch (E) or in mm (M)	E = English, M = metric bore	bore two type (b = blind, T = thru, K = keyway)	S = set screw, C = clamping	hub material (see chart at right)	placeholder, "HUB"					
SC 4	D	2	M	B	2	M	B	S	A	HUB	U	MID				
SC 6	D	2	E	B	3	E	T	S	A	HUB	U	MID				
SC 8	D	2	E	B	4	E	T	S	A	HUB	U	MID				
SC 10	D	6	M	B	4	E	B	S	A	HUB	U	MID				
SC 12	D	4	E	T	4	E	T	C	A	HUB	U	MID				
SC 16	D	6	E	T	6	E	T	C	A	HUB	U	MID				
SC 21	D	8	E	T	8	E	T	S	A	HUB	U	MID				
SC 26	D	8	E	T	8	E	T	S	A	HUB	U	MID				
SC 32	D	8	E	T	10	E	T	C	A	HUB	U	MID				
SC 36	D	8	E	T	10	E	T	S	A	HUB	U	MID				
SC 4	D	2	M	B	2	M	B	S	A	HUB	R	MID				
SC 6	D	2	E	B	3	E	T	S	A	HUB	R	MID				
SC 8	D	2	E	B	4	E	T	S	A	HUB	R	MID				
SC 10	D	6	M	B	4	E	B	S	A	HUB	R	MID				
SC 12	D	4	E	T	4	E	T	C	A	HUB	R	MID				
SC 16	D	6	E	T	6	E	T	C	A	HUB	R	MID				
SC 21	D	8	E	T	8	E	T	S	A	HUB	R	MID				
SC 26	D	8	E	T	8	E	T	S	A	HUB	R	MID				
SC 32	D	8	E	T	10	E	T	C	A	HUB	R	MID				
SC 36	D	8	E	T	10	E	T	S	A	HUB	R	MID				

HUB materials	
code	material
A	aluminum
F	alloy steel
S	stainless steel

MID materials	
code	material
R	high-temp rubber
U	Urethane

Physical specifications of SC vary with outer diameter and midsection material.

Moment of inertia and mass vary with hub material; this data is based on aluminum hubs.

peak torque	static break torque	torsional stiffness		moment of inertia, (10^8)kgm^2	mass, grams	maximum misalignment					max speed, rpm	maximum ambient temperature	
						radial		angular	axial			deg F	deg C
						inches	mm	degrees	inches	mm			
Nm	in-lb	Nm	in-lb	Nm/rad	in-lb/rad	inches	mm	degrees	inches	mm	rpm	deg F	deg C
0.13	1.15	2.1	18.6	1.8	15.9	0.002	0.05	1.5	0.01	0.25	8000	180	82
0.43	3.81	6.2	54.9	5.7	50.4	0.003	0.08	1.5	0.012	0.30	8000	180	82
1.0	8.9	11.5	102	9.9	87.6	0.004	0.10	1.5	0.014	0.36	6000	180	82
2.0	17.7	18	159	14.5	128	0.005	0.13	1.5	0.016	0.41	6000	180	82
5.0	44.3	28	248	16	142	0.006	0.15	1.5	0.018	0.46	5000	180	82
9.0	79.7	47	416	62	549	0.007	0.18	1.5	0.02	0.51	5000	180	82
13.0	115	126	1115	88	779	0.008	0.20	1.5	0.024	0.61	5000	180	82
16.5	146	160	1416	315	2788	0.009	0.23	1.5	0.03	0.76	4000	180	82
32.0	283	264	2337	810	7169	0.01	0.25	1.5	0.035	0.89	4000	180	82
65.0	575	420	3717	930	8231	0.012	0.30	1.5	0.04	1.02	4000	180	82
0.16	1.38	2.1	18.6	2	17.7	0.002	0.05	1.5	0.01	0.25	8000	395	202
0.52	4.57	6.2	54.9	6	53.1	0.003	0.08	1.5	0.012	0.30	8000	395	202
1.2	10.6	11.5	102	10.5	92.9	0.004	0.10	1.5	0.014	0.36	6000	395	202
2.4	21.2	18	159	15	133	0.005	0.13	1.5	0.016	0.41	6000	395	202
6.0	53.1	28	248	17.5	155	0.006	0.15	1.5	0.018	0.46	5000	395	202
10.8	95.6	47	416	64	566	0.007	0.18	1.5	0.02	0.51	5000	395	202
15.6	138	126	1115	90	797	0.008	0.20	1.5	0.024	0.61	5000	395	202
19.8	175	160	1416	320	2832	0.009	0.23	1.5	0.03	0.76	4000	395	202
38.4	340	264	2337	820	7258	0.01	0.25	1.5	0.035	0.89	4000	395	202
78.0	690	420	3717	950	8408	0.012	0.30	1.5	0.04	1.02	4000	395	202