

OC performance specs

part number													
type (OC, OI, etc.)	outer diameter, in 16ths of an inch	placeholder, D	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"	midsection material (see chart at right)	placeholder, "MID"
OC 4	D	2	M	B	2	M	B	S	A	HUB	D	MID	
OC 6	D	2	F	B	3	F	T	S	A	HUB	D	MID	
OC 8	D	2	F	B	4	F	T	S	A	HUB	D	MID	
OC 10	D	6	M	B	4	F	B	S	A	HUB	D	MID	
OC 12	D	4	F	T	4	F	T	C	A	HUB	D	MID	
OC 16	D	6	F	T	6	F	T	C	A	HUB	D	MID	
OC 21	D	8	F	T	8	F	T	S	A	HUB	D	MID	
OC 26	D	8	F	T	8	F	T	S	A	HUB	D	MID	
OC 32	D	8	F	T	10	F	T	C	A	HUB	D	MID	
OC 36	D	8	F	T	10	F	T	S	A	HUB	D	MID	
OC 4	D	2	M	B	2	M	B	S	A	HUB	T	MID	
OC 6	D	2	F	B	3	F	T	S	A	HUB	T	MID	
OC 8	D	2	F	B	4	F	T	S	A	HUB	T	MID	
OC 10	D	6	M	B	4	F	B	S	A	HUB	T	MID	
OC 12	D	4	F	T	4	F	T	C	A	HUB	T	MID	
OC 16	D	6	F	T	6	F	T	C	A	HUB	T	MID	
OC 21	D	8	F	T	8	F	T	S	A	HUB	T	MID	
OC 26	D	8	F	T	8	F	T	S	A	HUB	T	MID	
OC 32	D	8	F	T	10	F	T	C	A	HUB	T	MID	
OC 36	D	8	F	T	10	F	T	S	A	HUB	T	MID	

HUB materials	
code	material
A	aluminum
B	brass
S	stainless steel

MID materials	
code	material
D	Delrin
T	high-temp plastic
U	Urethane

Physical specifications of OC 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 <sup>8</sup> )kgm <sup>4</sup>	mass, grams	maximum misalignment			max speed, rpm	maximum ambient				
	Nm	in-lb	Nm/rad	in-lb/rad			radial		angular		axial	deg F	deg C		
							inches	mm	degrees					inches	mm
0.08	0.7	0.83	7.3	14.9	132	0.28	0.45	0.003	0.08	0.5	0.002	0.05	6000	170	77
0.28	2.5	2.5	22.1	44.9	397.5	2.1	1.5	0.004	0.10	0.5	0.002	0.05	6000	170	77
0.67	5.9	4.9	43	78.0	690	8.54	3.44	0.005	0.13	0.5	0.002	0.05	5000	170	77
1.31	11.6	7.5	66.5	113.0	1005	23.82	6.57	0.008	0.20	0.5	0.003	0.08	5000	170	77
2.26	20.0	12.2	108	149.0	1322.1	59.6	10.8	0.01	0.25	0.5	0.004	0.10	5000	170	77
5.35	47.3	20.5	181	266.0	2358.2	259	28.22	0.015	0.38	0.5	0.004	0.10	4500	170	77
12.1	107	54.0	477	799.0	7075.5	1334	87.5	0.016	0.41	0.5	0.006	0.15	4500	170	77
22.9	203	69.5	615	1559.0	13806	3236	140	0.02	0.51	0.5	0.006	0.15	4500	170	77
42.8	378	116.7	1033	1787.0	15821	9029	262	0.03	0.76	0.5	0.008	0.20	4000	170	77
60.9	539	184.1	1629	3392.0	30030	19408	450	0.035	0.89	0.5	0.008	0.20	4000	170	77
0.10	0.85	0.9	7.5	17.2	152	0.284	0.45	0.003	0.08	0.5	0.002	0.05	6000	430	221
0.33	2.88	2.5	22.2	51.9	459	2.1	1.5	0.004	0.10	0.5	0.002	0.05	6000	430	221
0.77	6.83	4.9	43.3	90.0	796	8.54	3.44	0.005	0.13	0.5	0.002	0.05	5000	430	221
1.51	13.30	7.6	67.2	131	1160	23.82	6.57	0.008	0.20	0.5	0.003	0.08	5000	430	221
2.6	23.1	12.3	108	173	1526	59.6	10.8	0.01	0.25	0.5	0.004	0.10	5000	430	221
6.2	54.7	20.8	184	308	2723	259	28.22	0.015	0.38	0.5	0.004	0.10	4500	430	221
14.0	123.6	55	486	923	8171	1334	87.5	0.016	0.41	0.5	0.006	0.15	4500	430	221
26.5	234.6	70	619	1801	15944	3236	140	0.02	0.51	0.5	0.006	0.15	4500	430	221
49.4	437.4	118	1044	2064	18271	9029	262	0.03	0.76	0.5	0.008	0.20	4000	430	221
70.4	622.8	186	1646	3918	34680	19408	450	0.035	0.89	0.5	0.008	0.20	4000	430	221