

UC 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"															
	4	6	8	10	12	16	21	26	32	36	4	6	8	10	12	16	21	26	32	36									
	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D				
UC	4	D	2	M	B	2	M	B	S	A	HUB	D	MID	0.08	0.66	0.78	6.9	13.5	119	0.27	0.46	0.002	0.05	6	0.001	0.03	6000	170	77
UC	6	D	2	E	B	3	E	T	S	A	HUB	D	MID	0.25	2.21	2.3	20.4	42	372	2.00	1.52	0.003	0.08	6	0.001	0.03	6000	170	77
UC	8	D	2	E	B	4	E	T	S	A	HUB	D	MID	0.6	5.3	4.4	38.9	73.2	648	8.1	3.5	0.005	0.13	6	0.001	0.03	5000	170	77
UC	10	D	6	M	B	4	E	B	S	A	HUB	D	MID	1.2	10.2	6.8	60.2	107	947	22.7	6.7	0.008	0.20	5.9	0.001	0.03	5000	170	77
UC	12	D	4	E	T	4	E	T	C	A	HUB	D	MID	2.0	17.7	11	97.4	142.3	1259	56.7	11.0	0.01	0.25	5.8	0.002	0.05	5000	170	77
UC	16	D	6	E	T	6	E	T	C	A	HUB	D	MID	4.8	42.5	18	159	250	2213	246	29	0.015	0.38	5.6	0.002	0.05	4500	170	77
UC	21	D	8	E	T	8	E	T	S	A	HUB	D	MID	10.5	92.9	49	434	771	6824	1269	89	0.016	0.41	5.5	0.003	0.08	4500	170	77
UC	26	D	8	E	T	8	E	T	S	A	HUB	D	MID	20.5	181	63	558	1450	12834	3079	143	0.02	0.51	5.4	0.003	0.08	4500	170	77
UC	32	D	8	E	T	10	E	T	C	A	HUB	D	MID	38	336	104	920	1720	15223	8590	267	0.03	0.76	5.4	0.004	0.10	4000	170	77
UC	36	D	8	E	T	10	E	T	S	A	HUB	D	MID	55	487	165	1460	3170	28057	18464	457	0.035	0.89	5.3	0.004	0.10	4000	170	77
UC	4	D	2	M	B	2	M	B	S	A	HUB	T	MID	0.08	0.71	0.8	7.1	14	124	0.27	0.46	0.002	0.05	6	0.001	0.03	6000	430	221
UC	6	D	2	E	B	3	E	T	S	A	HUB	T	MID	0.26	2.3	2.4	21.2	43	381	2.00	1.52	0.003	0.08	6	0.001	0.03	6000	430	221
UC	8	D	2	E	B	4	E	T	S	A	HUB	T	MID	0.62	5.5	4.5	39.8	75	664	8.1	3.5	0.005	0.13	6	0.001	0.03	5000	430	221
UC	10	D	6	M	B	4	E	B	S	A	HUB	T	MID	1.2	10.6	6.9	61	110	974	22.7	6.7	0.008	0.20	5.9	0.001	0.03	5000	430	221
UC	12	D	4	E	T	4	E	T	C	A	HUB	T	MID	2.1	18.6	11.1	98	145	1283	57	11	0.01	0.25	5.8	0.002	0.05	5000	430	221
UC	16	D	6	E	T	6	E	T	C	A	HUB	T	MID	4.9	43.4	18.2	161	260	2301	246	29	0.015	0.38	5.6	0.002	0.05	4500	430	221
UC	21	D	8	E	T	8	E	T	S	A	HUB	T	MID	10.6	93.8	50	443	780	6904	1269	89	0.016	0.41	5.5	0.003	0.08	4500	430	221
UC	26	D	8	E	T	8	E	T	S	A	HUB	T	MID	20.7	183	65	575	1500	13276	3079	143	0.02	0.51	5.4	0.003	0.08	4500	430	221
UC	32	D	8	E	T	10	E	T	C	A	HUB	T	MID	38.3	339	108	956	1760	15577	8590	267	0.03	0.76	5.4	0.004	0.10	4000	430	221
UC	36	D	8	E	T	10	E	T	S	A	HUB	T	MID	55.8	494	170	1505	3200	28322	18464	457	0.035	0.89	5.3	0.004	0.10	4000	430	221

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 UC 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			
	Nm	in-lb	Nm	in-lb			Nm/rad	in-lb/rad	radial		angular		axial		deg F	deg C
									inches	mm	degrees		inches	mm		
0.08	0.66	0.78	6.9	13.5	119	0.27	0.46	0.002	0.05	6	0.001	0.03	6000	170	77	
0.25	2.21	2.3	20.4	42	372	2.00	1.52	0.003	0.08	6	0.001	0.03	6000	170	77	
0.6	5.3	4.4	38.9	73.2	648	8.1	3.5	0.005	0.13	6	0.001	0.03	5000	170	77	
1.2	10.2	6.8	60.2	107	947	22.7	6.7	0.008	0.20	5.9	0.001	0.03	5000	170	77	
2.0	17.7	11	97.4	142.3	1259	56.7	11.0	0.01	0.25	5.8	0.002	0.05	5000	170	77	
4.8	42.5	18	159	250	2213	246	29	0.015	0.38	5.6	0.002	0.05	4500	170	77	
10.5	92.9	49	434	771	6824	1269	89	0.016	0.41	5.5	0.003	0.08	4500	170	77	
20.5	181	63	558	1450	12834	3079	143	0.02	0.51	5.4	0.003	0.08	4500	170	77	
38	336	104	920	1720	15223	8590	267	0.03	0.76	5.4	0.004	0.10	4000	170	77	
55	487	165	1460	3170	28057	18464	457	0.035	0.89	5.3	0.004	0.10	4000	170	77	
0.08	0.71	0.8	7.1	14	124	0.27	0.46	0.002	0.05	6	0.001	0.03	6000	430	221	
0.26	2.3	2.4	21.2	43	381	2.00	1.52	0.003	0.08	6	0.001	0.03	6000	430	221	
0.62	5.5	4.5	39.8	75	664	8.1	3.5	0.005	0.13	6	0.001	0.03	5000	430	221	
1.2	10.6	6.9	61	110	974	22.7	6.7	0.008	0.20	5.9	0.001	0.03	5000	430	221	
2.1	18.6	11.1	98	145	1283	57	11	0.01	0.25	5.8	0.002	0.05	5000	430	221	
4.9	43.4	18.2	161	260	2301	246	29	0.015	0.38	5.6	0.002	0.05	4500	430	221	
10.6	93.8	50	443	780	6904	1269	89	0.016	0.41	5.5	0.003	0.08	4500	430	221	
20.7	183	65	575	1500	13276	3079	143	0.02	0.51	5.4	0.003	0.08	4500	430	221	
38.3	339	108	956	1760	15577	8590	267	0.03	0.76	5.4	0.004	0.10	4000	430	221	
55.8	494	170	1505	3200	28322	18464	457	0.035	0.89	5.3	0.004	0.10	4000	430	221	