

UI performance specs

type (OC, OI, etc.)	part number														peak torque	static break torque		torsional stiffness		moment of inertia, (10 <sup>8</sup> )kgm <sup>2</sup>	mass, grams	maximum misalignment			max speed, rpm	maximum ambient temperature		
	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"	Nm		in-lb	Nm	in-lb	Nm/rad			in-lb/rad	inches	mm		degrees	inches	mm
UI 4	D	2	M	B	2	M	B	S	A	HUB	D	MID	0.08	0.73	0.82	7.26	14	124	0.27	0.43	0.002	0.05	5	0.001	0.03	6000	170	77
UI 6	D	2	F	B	3	F	T	S	A	HUB	D	MID	0.27	2.39	2.4	21.2	44	389	2.0	1.4	0.003	0.08	5	0.001	0.03	6000	170	77
UI 8	D	2	F	B	4	F	T	S	A	HUB	D	MID	0.65	5.8	4.6	40.7	75	664	8.1	3.3	0.004	0.10	5	0.001	0.03	5000	170	77
UI 10	D	6	M	B	4	F	B	S	A	HUB	D	MID	1.25	11.1	7.1	63	110	974	22.7	6.3	0.006	0.15	5	0.001	0.03	5000	170	77
UI 12	D	4	F	T	4	F	T	C	A	HUB	D	MID	2.2	19.5	11.7	104	145	1283	56.8	10.4	0.006	0.15	5	0.002	0.05	5000	170	77
UI 16	D	6	F	T	6	F	T	C	A	HUB	D	MID	5.1	45	18.9	167	255	2257	247	27	0.008	0.20	5	0.002	0.05	4500	170	77
UI 21	D	8	F	T	8	F	T	S	A	HUB	D	MID	11.2	99	52	456	775	6859	1271	84	0.008	0.20	5	0.003	0.08	4500	170	77
UI 26	D	8	F	T	8	F	T	S	A	HUB	D	MID	21.6	191	66	586	1600	14161	3084	135	0.01	0.25	5	0.003	0.08	4500	170	77
UI 32	D	8	F	T	10	F	T	C	A	HUB	D	MID	40	354	109	965	1750	15489	8605	252	0.01	0.25	5	0.004	0.10	4000	170	77
UI 36	D	8	F	T	10	F	T	S	A	HUB	D	MID	58	513	173	1531	3200	28322	18496	432	0.012	0.30	5	0.004	0.10	4000	170	77
UI 4	D	2	M	B	2	M	B	S	A	HUB	T	MID	0.09	0.76	0.85	7.52	15	133	0.27	0.43	0.002	0.05	5	0.001	0.03	6000	430	221
UI 6	D	2	F	B	3	F	T	S	A	HUB	T	MID	0.28	2.48	2.5	22.1	46	407	2.0	1.4	0.003	0.08	5	0.001	0.03	6000	430	221
UI 8	D	2	F	B	4	F	T	S	A	HUB	T	MID	0.66	5.8	4.7	41.6	77	682	8.1	3.3	0.004	0.10	5	0.001	0.03	5000	430	221
UI 10	D	6	M	B	4	F	B	S	A	HUB	T	MID	1.28	11.3	7.2	64	115	1018	22.7	6.3	0.006	0.15	5	0.001	0.03	5000	430	221
UI 12	D	4	F	T	4	F	T	C	A	HUB	T	MID	2.3	20	11.8	104	150	1328	56.8	10.4	0.006	0.15	5	0.002	0.05	5000	430	221
UI 16	D	6	F	T	6	F	T	C	A	HUB	T	MID	5.2	46	19	168	260	2301	247	27	0.008	0.20	5	0.002	0.05	4500	430	221
UI 21	D	8	F	T	8	F	T	S	A	HUB	T	MID	11.4	101	52	460	790	6992	1271	84	0.008	0.20	5	0.003	0.08	4500	430	221
UI 26	D	8	F	T	8	F	T	S	A	HUB	T	MID	22	193	67	593	1630	14427	3084	135	0.01	0.25	5	0.003	0.08	4500	430	221
UI 32	D	8	F	T	10	F	T	C	A	HUB	T	MID	41	358	115	1018	1800	15931	8605	252	0.01	0.25	5	0.004	0.10	4000	430	221
UI 36	D	8	F	T	10	F	T	S	A	HUB	T	MID	59	520	178	1575	3260	28853	18496	432	0.012	0.30	5	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 UI vary with outer diameter and midsection material.

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