

BC 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"
BC 4	D	4	D	3	M	B	3	M	B	S	A	HUB	D	MID
BC 6	D	6	D	3	M	B	3	M	B	S	A	HUB	D	MID
BC 8	D	8	D	4	M	T	4	M	T	S	A	HUB	D	MID
BC 10	D	10	D	4	M	T	4	M	T	S	A	HUB	D	MID
BC 12	D	12	D	4	M	T	4	M	T	S	A	HUB	D	MID
BC 16	D	16	D	6	M	T	6	M	T	S	A	HUB	D	MID
BC 21	D	21	D	6	M	T	6	M	T	S	A	HUB	D	MID
BC 26	D	26	D	6	M	T	6	M	T	S	A	HUB	D	MID
BC 32	D	32	D	6	M	T	10	M	T	C	A	HUB	D	MID
BC 36	D	36	D	6	M	T	10	M	T	C	A	HUB	D	MID
BC 4	D	4	D	3	M	B	3	M	B	S	A	HUB	T	MID
BC 6	D	6	D	3	M	B	3	M	B	S	A	HUB	T	MID
BC 8	D	8	D	4	M	T	4	M	T	S	A	HUB	T	MID
BC 10	D	10	D	4	M	T	4	M	T	S	A	HUB	T	MID
BC 12	D	12	D	4	M	T	4	M	T	S	A	HUB	T	MID
BC 16	D	16	D	6	M	T	6	M	T	S	A	HUB	T	MID
BC 21	D	21	D	6	M	T	6	M	T	S	A	HUB	T	MID
BC 26	D	26	D	6	M	T	6	M	T	S	A	HUB	T	MID
BC 32	D	32	D	6	M	T	10	M	T	C	A	HUB	T	MID
BC 36	D	36	D	6	M	T	10	M	T	C	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 BC 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^	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		
BC 4	0.08	0.73	0.98	8.7	15	133	0.30	0.49	0.002	0.05	0.3	0.003	0.08	5000	170	77	
BC 6	0.28	2.48	2.9	25.7	45	398	2.27	1.64	0.003	0.08	0.3	0.003	0.08	5000	170	77	
BC 8	0.66	5.8	5.6	49.6	79	699	9.37	3.96	0.005	0.13	0.3	0.003	0.08	4000	170	77	
BC 10	1.3	11.5	8.6	76.1	115	1018	25.9	7.4	0.008	0.20	0.3	0.003	0.08	4000	170	77	
BC 12	2.25	19.9	14	124	155	1372	64.2	12.0	0.01	0.25	0.3	0.004	0.10	3600	170	77	
BC 16	5.3	46.9	23.5	208	270	2390	277	31	0.015	0.38	0.3	0.004	0.10	3600	170	77	
BC 21	12	106	63	558	810	7169	1416	95	0.016	0.41	0.3	0.006	0.15	3000	170	77	
BC 26	22.8	202	80	708	1570	13896	3483	154	0.02	0.51	0.3	0.006	0.15	3000	170	77	
BC 32	42.6	377	134	1186	1800	15931	9674	286	0.03	0.76	0.3	0.01	0.25	2500	170	77	
BC 36	60.7	537	210	1859	3400	30093	20560	484	0.035	0.89	0.3	0.01	0.25	2500	170	77	
BC 4	0.08	0.74	1.02	9.0	16	142	0.30	0.49	0.002	0.05	0.3	0.003	0.08	5000	430	221	
BC 6	0.29	2.57	3	26.6	50	443	2.27	1.64	0.003	0.08	0.3	0.003	0.08	5000	430	221	
BC 8	0.67	5.9	5.7	50.4	85	752	9.37	3.96	0.005	0.13	0.3	0.003	0.08	4000	430	221	
BC 10	1.32	11.7	8.75	77.4	120	1062	25.9	7.4	0.008	0.20	0.3	0.003	0.08	4000	430	221	
BC 12	2.27	20.1	14.2	126	160	1416	64.2	12.0	0.01	0.25	0.3	0.004	0.10	3600	430	221	
BC 16	5.35	47.4	23.9	212	280	2478	277	31	0.015	0.38	0.3	0.004	0.10	3600	430	221	
BC 21	12.1	107	64.5	571	830	7346	1416	95	0.016	0.41	0.3	0.006	0.15	3000	430	221	
BC 26	22.9	203	82	726	1600	14161	3483	154	0.02	0.51	0.3	0.006	0.15	3000	430	221	
BC 32	42.8	379	137	1213	1830	16197	9674	286	0.03	0.76	0.3	0.01	0.25	2500	430	221	
BC 36	61	540	215	1903	3450	30535	20560	484	0.035	0.89	0.3	0.01	0.25	2500	430	221	

BC physical dimensions

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"
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BC 6	D	6	D	3	M	B	3	M	B	S	A	HUB	T	MID
BC 8	D	8	D	4	M	T	4	M	T	S	A	HUB	D	MID
BC 10	D	10	D	4	M	T	4	M	T	S	A	HUB	D	MID
BC 12	D	12	D	4	M	T	4	M	T	S	A	HUB	D	MID
BC 16	D	16	D	6	M	T	6	M	T	S	A	HUB	T	MID
BC 21	D	21	D	6	M	T	6	M	T	S	A	HUB	D	MID
BC 26	D	26	D	6	M	T	6	M	T	S	A	HUB	D	MID
BC 32	D	32	D	6	M	T	10	M	T	C	A	HUB	D	MID
BC 36	D	36	D	6	M	T	10	M	T	C	A	HUB	D	MID

physical dimensions, inches												
	A	B	C		D		E			min bore for this OD	max bore for this OD	
			blind bore	thru bore	blind bore	thru bore	two blind bores	one blind, one thru	two thru bores			
BC 4	0.35	0.25	0.099	0.114	0.099	0.114	0.152	0.137	0.122	0.079	0.125	
BC 6	0.5	0.375	0.135	0.16	0.135	0.16	0.23	0.205	0.18	0.118	0.197	
BC 8	0.63	0.5	0.165	0.2	0.165	0.2	0.3	0.265	0.23	0.118	0.25	
BC 10	0.71	0.625	0.198	0.233	0.198	0.233	0.314	0.279	0.244	0.125	0.315	
BC 12	0.87	0.75	0.263	0.298	0.263	0.298	0.344	0.309	0.274	0.157	0.313	
BC 16	1.12	1	0.353	0.393	0.353	0.393	0.414	0.374	0.334	0.236	0.472	
BC 21	1.89	1.313	0.619	0.659	0.619	0.659	0.652	0.612	0.572	0.25	0.63	
BC 26	2	1.625	0.61	0.66	0.61	0.66	0.78	0.73	0.68	0.25	0.787	
BC 32	2.35	2	0.759	0.809	0.759	0.809	0.832	0.782	0.732	0.25	1	
BC 36	3.07	2.25	1.038	1.098	1.038	1.098	0.994	0.934	0.874	0.25	1.181	



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