



BC3 – Bellows coupling

			Series																		
			15		30		60		150		200		300		500		800	1500	4000	6000	10000
Length options (see ordering code)			A	B	A	B	A	B	A	B	A	B	A	B	A	A	A	A	A	A	
Rated torque	T_{KV}	Nm in.lb	15	30	60	150	200	300	500	800	1500	4000	6000	10000							
			133	266	531	1328	1770	2655	4425	7080	13275	35400	53100	88500							
Overall length without screw head	A	mm	48	55	57	65	66	76	75	87	78	90	89	103	97	110	114	141	195	210	217
Outer diameter	B	mm	49	55	66	81	90	110	124	133	157	200	253	303							
Fit length	C	mm	19	22	27	32	32	41	41	50	61	80	85	92							
Inner diameter from \emptyset to \emptyset H7	D_1/D_2	mm	10–22	12–23	12–29	15–38	15–44	24–56	24–60	30–60	35–70	50–100	60–140	70–180							
6x fastening screws to ISO 4017	E		M4	M5	M5	M6	M6	M8	M8	M10	M12	M16	M16	8xM16							
Tightening torque of fastening screws	E	Nm in.lb	4	6	8	12	14	18	25	40	70	120	150	160							
			36	54	71	107	124	160	222	354	620	1062	1328	1416							
3 x jack screws to ISO 4017	F		M4	M4	M5	M5	M6	M6	M6	M6	6xM8	6xM10	6xM10	8xM10							
Outer diameter of hub	G	mm	49	55	66	81	90	110	122	116	135	180	246	295							
Moment of inertia	J	10^{-3}kgm^2 $10^{-3} \text{in.} \cdot \text{lb.} \cdot \text{s}^2$	0.12	0.59	0.3	0.34	0.54	0.73	1.2	1.6	1.7	2.5	5.1	5.9	9.1	9.9	13.2	34.9	85.5	254	629
			0.1082	0.5222	0.2655	0.3009	0.4779	0.6461	1.06	1.41	1.50	2.21	4.51	5.22	8.05	8.76	11.7	30.9	75.7	224.8	556.7
Approx. weight		kg lb	0.25	0.4	0.8	1.2	1.8	3	4.2	5.6	8.2	23	32.6	45.5							
			0.551	0.882	1.76	2.65	3.97	6.61	9.33	12.3	18.1	50.7	71.9	100.3							
Torsional rigidity	C_T	10^3Nm/rad	20	15	39	28	76	55	175	110	191	140	450	350	510	500	780	1304	3400	5700	10950
Axial misalignment 	<i>max. values</i>	mm	1	2	1	2	1.5	2	2	3	2	3	2.5	3.5	2.5	3.5	3.5	3.5	3.5	3	3
Lateral misalignment 	<i>max. values</i>	mm	0.15	0.2	0.2	0.25	0.2	0.25	0.2	0.25	0.25	0.3	0.25	0.3	0.3	0.35	0.35	0.35	0.4	0.4	0.4
Axial spring stiffness	C_a	N/mm	25	15	50	30	72	48	82	52	90	60	105	71	70	48	100	320	565	1030	985
Lateral spring stiffness	C_r	N/mm	475	137	900	270	1200	420	1500	435	2040	610	3750	1050	2500	840	2000	3600	6070	19200	21800

Max. angular misalignment 1.5°