

Metal Bellow Coupling – Model CTB-2

with clamping hubs

- ✔ small installation space
- ✔ low moment of inertia
- ✔ easy to install
- ✔ wear and maintenance free
- ✔ hub material Series 2 - 150: aluminum
- ✔ hub material Series 150 - 1500: steel
- ✔ bellows: stainless steel
- ✔ special designs such as welded versions or stainless steel on request



properties	unit of measurement	unit symbol	2	5	10	15	30	60	150	300	500	800	1500
rated torque	(Nm)	T_{KN}	2	5	10	15	30	60	150	300	500	800	1500
overall length	(mm)	$A^{\pm 2}$	34 39	42 50	46 56	59 66	70 78	79 89	92 103	113 126	118 133	141	167
outside diameter	(mm)	B	24,5	32	40	49	56	66	81	110	124	132	157
clamping fit length	(mm)	C	12	14	14	22	27	29	34	43	43	35	45
inner-Ø H7	(mm)	$D_{1/2}$	4 - 12	6-16	6-24	8-28	10-32	14-35	19-40	25-60	35-62	40-75	50-80
distance	(mm)	E	4	5	5	8	8	11	12	15	15,5	17,5	22,5
distance	(mm)	F	8	11	15	18	20	24	27	40	43,5	48	55
fastening screws		G	M3	M4	M4	M5	M6	M8	M10	M12	M16	4 x M16	4 x M20
tightening torque	(Nm)	G	2	4	4	8,5	15	35	70	120	200	250	470
moment of inertia	(10^{-3}kgm^2)	J_{ges}	0,002 0,003	0,01 0,02	0,02 0,03	0,06 0,07	0,13 0,14	0,27 0,3	0,75 / 2,2 / 2,3 / 0,8	8,9 9,1	14,7 14,9	16,5	40
approximate weight	(kg)		0,03	0,06	0,1	0,2	0,4	0,6	2,4 / 1	5	6	8,5	14,5
													CT-B2-22-02

Bellows glued up to series 500 and welded as half-shell version from series 800.

properties	unit of measurement	2	5	10	15	30	60	150	300	500	800	1500
number of waves		4 7	5 8	5 8	4 6	4 6	4 6	4 6	4 6	4 6	6	5
torsional stiffness approx.	(10^3 Nm/rad)	1,3 1,3	7 6	8 7	22 22	39 35	93 53	177 107	535 405	400 300	480	1215
spring stiffness axial approx.	(N/mm)	14 25	40 29	33 55	38 18	52 32	76 52	86 65	112 74	72 48	110	322
spring stiffness lateral approx.	(N/mm)	170 95	200 108	355 130	460 137	1435 215	1400 260	1620 350	3860 1140	3010 840	2000	3600
axial misalignment	(mm ±)	0,5 0,5	1 1	1 1	1 2	1 2	1,5 2,0	2 3	2,5 3,5	2,5 3,5	3,5	3,5
lateral misalignment	(mm ±)	0,15 0,2	0,20 0,30	0,20 0,30	0,15 0,20	0,2 0,2	0,20 0,25	0,20 0,25	0,25 0,30	0,30 0,35	0,35	0,35
angular misalignment	(°)	1 1,5	1,5 2	2 2	1,0 1,5	1,0 1,5	1,0 1,5	1,0 1,5	1,0 1,5	1,0 1,5	1,5	1,5

Temperature range : -30°C to +100°C

