

## Compensating Coupling – Model CTA-BB-E

Material: Stainless Steel

- ✔ one-piece compact design
- ✔ slotted structure
- ✔ suitable for frequent load changes
- ✔ high torsional stiffness and concentricity
- ✔ fast assembly
- ✔ suitable for shaft diameters 3-55 mm



properties	unit	unit symbol	20	25	30	40	50	60	70	80	100
rated torque	(Nm)	$T_{KN}$	10	14	18	30	60	110	190	240	400
overall length	(mm)	$A^{\pm 2}$	28	28	40	48	65	80	95	100	118
diameter	(mm)	B	20	25	30	40	50	60	70	80	100
clamping fit length	(mm)	C	8	8	11	11	19	25	25	25	30
inner diameter from $\emptyset$ to $\emptyset$ H7	(mm)	D1	4-8	6-12	6-14	10-19	15-26	18-28	20-35	25-42	30-55
inner diameter from $\emptyset$ to $\emptyset$ H7	(mm)	D2	4-8	6-12	6-14	10-19	15-26	18-28	20-35	25-42	30-55
D1 pre-drilled	(mm)	D1	2,5	3,5	5,5	5,5	8,5	9,5	14,5	22	27,5
D2 pre-drilled	(mm)	D2	2,5	3,5	5,5	5,5	8,5	9,5	14,5	22	27,5
distance	(mm)	E	4	4	5,5	5,5	9,5	12,5	12,5	12,5	15
distance	(mm)	F	6,5	9	10,5	14	18,5	21	25	29	37
fastening threads		G	M2,5	M3	M4	M5	M6	M8	M8	M8	M10
tightening torque	(Nm)	G	1,57	1,88	4,3	8,45	14,5	35	35	35	70
approximate weight	(g)		45	75	140	320	650	1300	1850	3100	4200
torsional stiffness		$10^3 \text{ Nm/Rad}$	0,8	3,4	4,6	11	24	54	88	93	190
moment of inertia		$10^{-6} \text{ kgm}^2$	1,5	4,3	11	35	114	285	480	695	1060
misalignment angular			1	2	1,7	1,7	1	1	1	1	1
misalignment lateral		mm	0,2	0,2	0,2	0,3	0,3	0,3	0,3	0,2	0,2
misalignment axial		mm	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
max. rotational speed		$(\text{min}^{-1})$	11500	10000	8000	7500	7000	6000	5000	4000	3500
											CT-AE-24-01

From size 40 also available with keyway on request.

Upper drawing:  $\emptyset$ 18 – 60

Lower drawing:  $\emptyset$ 70 – 100

