

Compensating Coupling – Model CTA-BB-H

Material: Aluminum, Half Shell Version

- with removable clamping hubs
- easy assembly
- one-piece compact design
- slotted structure
- suitable for frequent load changes
- high torsional stiffness and runout accuracy
- suitable for shaft diameters 3-55 mm



properties	unit	unit symbol	30	40	50	60	70	80	100
rated torque	(Nm)	T_{KN}	8	18	30	65	120	170	300
overall length	(mm)	$A_{\pm 2}$	40	48	65	80	95	100	118
diameter	(mm)	B	30	40	50	60	70	80	100
clamping fit length	(mm)	C	11	11	19	25	25	25	30
inner diameter from \emptyset to \emptyset H7	(mm)	D1	6-14	10-19	15-26	18-28	20-35	25-42	30-55
inner diameter from \emptyset to \emptyset H7	(mm)	D2	6-14	10-19	15-26	18-28	20-35	25-42	30-55
D1 pre-drilled	(mm)	D1	5,5	5,5	8,5	9,5	14,5	22	27,5
D2 pre-drilled	(mm)	D2	5,5	5,5	8,5	9,5	14,5	22	27,5
distance	(mm)	E	5,5	5,5	9,5	12,5	12,5	12,5	15
distance	(mm)	F	10,5	14	18,5	21	25	29	37
fastening threads		G	M4	M5	M6	M8	M8	M8	M10
tightening torque	(Nm)	G	4,3	8,45	14,5	35	35	35	70
approximate weight	(g)		50	100	300	400	700	900	1500
torsional stiffness		10^3 Nm/Rad	4,6	11	24	54	88	93	190
moment of inertia		10^{-6} kgm^2	11	35	114	285	480	695	1060
misalignment angular			1,7	1,7	1,4	1,4	1,1	1,1	1,1
misalignment lateral		mm	0,2	0,3	0,3	0,3	0,3	0,3	0,3
misalignment axial		mm	0,2	0,2	0,2	0,3	0,3	0,3	0,3
max. rotational speed		(min^{-1})	8000	7500	7000	6000	5000	4000	3500
									CT-AH-24-01

From size 30 also available with keyway on request

