

Safety Coupling – Model CTS-4

with conical bushing and metal bellow

- with conical bushing and metal bellow
- 5 - 2.700 Nm
- low moment of inertia
- low residual friction after disengagement
- compensation of shaft misalignment
- infinitely variable torque
- exact torque limitation
- temperature range -30° to 100°
- special designs such as sealed versions, welded versions or stainless steel on request



properties	unit	unit symbol	15	30	60	150	200	300	500	800	1500	2500
360°/60° adjustment range 1 from - to	(Nm)	T _{KN}	5-15	5-15	10-30	20-70	40-100	80-200	80-200	350-650	500-900	1000-1500
360°/60° adjustment range 2 from - to	(Nm)	T _{KN}	8-20	10-30	25-80	50-150	60-160	150-250	200-400	500-800	700-1200	1400-2200
360°/60° adjustment range 3 from - to	(Nm)	T _{KN}					120-240	200-320	250-500		1000-1800	2000-2800
360°/60° adjustment range 4 from - to	(Nm)	T _{KN}										
actuation distance *	(mm)		1,4	1,4	1,7	1,9	2,2	2,2	2,2	2,2	3	3
(F) adjustment range 1 from - to	(Nm)	T _{FKN}	7-15	8-20	15-30	40-80	50-100	60-180	80-150	200-400	700-1000	1000-1500
(F) adjustment range 2 from - to	(Nm)	T _{FKN}		15-30	30-60	80-150	80-140	160-300	100-250	400-650	1000-1250	1400-2200
(F) adjustment range 3 from - to	(Nm)	T _{FKN}					130-200		150-300	450-850	1250-1500	1800-2700
(F) adjustment range 4 from - to	(Nm)	T _{FKN}							250-500			
overall length	(mm)	A ⁻²	62 69	72 80	83 93	93 105	100 112	115 129	124 138	152 --	175 --	250 --
overall length (F)		AF ⁻²	62 69	72 80	83 93	93 105	103 115	118 132	129 143	154 --	183 --	256 --
actuation ring Ø	(mm)	B	56	66	74	93	100	121,5	136	153,5	175	244
actuation ring (F) Ø	(mm)	BF	61,5	71	84	99	118	133	156	176	188	259
clamping fit length	(mm)	C ₁ /C ₂	19	21,5	27,5	32	32	41,5	41,5	49	61	80,5
inner diameter from Ø-Ø H7	(mm)	D ₁	10-22	12-23	12-29	15-37	20-44	25-56	25-60	30-60	35-70	50-100
inner diameter from Ø-Ø H7	(mm)	D ₂	10-22	12-23	12-29	15-37	20-44	25-56	25-60	30-60	35-70	50-100
diameter	(mm)	E	44,5	50	61	74	83	103	114	116	141	181
diameter	(mm)	F	49	55	66,5	81	90	110	123	132	157	199
approximate weight	(kg)		0,3	0,4	1,2	2,2	3	5	6,5	9	16	34
												CT-S4-24-02

Series 0015-2500 with conical clamping hubs

The actual weight is determined by the size of the fitting (D).

Up to series 300 the couplings are glued, from series 500 they are welded.

* = Switching distances generally apply to the middle setting range and may slightly deviate downwards or upwards.

