

## Safety Coupling – Model CTS-2

with keyway

- ✔ with keyway
- ✔ 0,2 - 3000 Nm
- ✔ high switching travel in case of overload
- ✔ fast switch-off in the millisecond range
- ✔ low moment of inertia
- ✔ temperature range -30° to 120°
- ✔ special designs such as sealed versions or stainless steel on request



properties	unit	unit symbol	2	5	10	15	30	60	150	200	300	500	800	1500	2500
360°/60° adjustment range 1 from - to	(Nm)	T <sub>KN</sub>	0,2-1,5	1-5	2-6	5-20	10-30	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 <sub>KN</sub>	0,5-2,2	3-10	4-12	15-40	20-60	25-80	50-150	80-200	150-250	200-400	500-800	700-1200	1400-2200
360°/60° adjustment range 3 from - to	(Nm)	T <sub>KN</sub>			7-15	30-60	30-90	50-100	100-225	150-280	200-440	250-500	650-950	1000-1800	2000-3000
360°/60° adjustment range 4 from - to	(Nm)	T <sub>KN</sub>							250-400			320-650			
actuation distance*	(mm)		0,8	0,8	1,2	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)	TF <sub>KN</sub>	--	--	2-5	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)	TF <sub>KN</sub>			4-10		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)	TF <sub>KN</sub>			8-15				130-200	280-400		150-300	450-850	1250-1500	1800-2700
(F) adjustment range 4 from - to	(Nm)	TF <sub>KN</sub>										250-500			2500-3000
overall length	(mm)	A	20	22	28	34	43	46	48,5	54	57,5	71,5	80	99	135
overall length (F)	(mm)	AF	--	--	28	34	43	46	48,5	57	60,5	75	91	110	141
actuation ring Ø	(mm)	B	30	36	46	56	66	74	93	100	121,5	136	153,5	175	244
actuation ring Ø		BF	--	--	51,5	61,5	71	84	99	118	133	156	176	188	259
inner diameter from Ø-Ø H7	(mm)	D	4-10**	5-12**	6-18**	8-20**	12-25,4	12-30**	15-38	20-44**	25-50	25-58	30-60	35-73	50-95
pilot diameter h7	(mm)	E	22	25	34	40	47	55	68	75	82	90	100	125	168
bolt-hole circle Ø ±0,2	(mm)	F	28	35	43	47	54	63	78	85	98	110	120	148	202
flange outs. Ø-0,2	(mm)	G	33	41	51	54	64	73	88	99	113	129	141	166	241
thread		H	4xM2,5	6xM2,5	6xM3	6xM4	6xM5	6xM5	6xM6	6xM6	6xM8	6xM8	6xM10	6xM12	6xM16
thread depth	(mm)		4	4	5	6	9	9	10	11	10	12	18	16	24
distance	(mm)	J	15	17	22	27	35	37	39	44	47	59	67	82	112
distance (F)		JF			24	27	37	39	41,5	47	51,5	62	75	94	120
distance	(mm)	K	6	8	11	8	11	11	12	12	15	21	19	25	34
approximate weight	(kg)		0,06	0,12	0,2	0,4	0,7	1	1	2	3	3,5	5	9	27

CT-S2-24-01

### Series 0002-2500 with keyway

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

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

\*\* = Largest specified diameter only possible with flat keyway.

