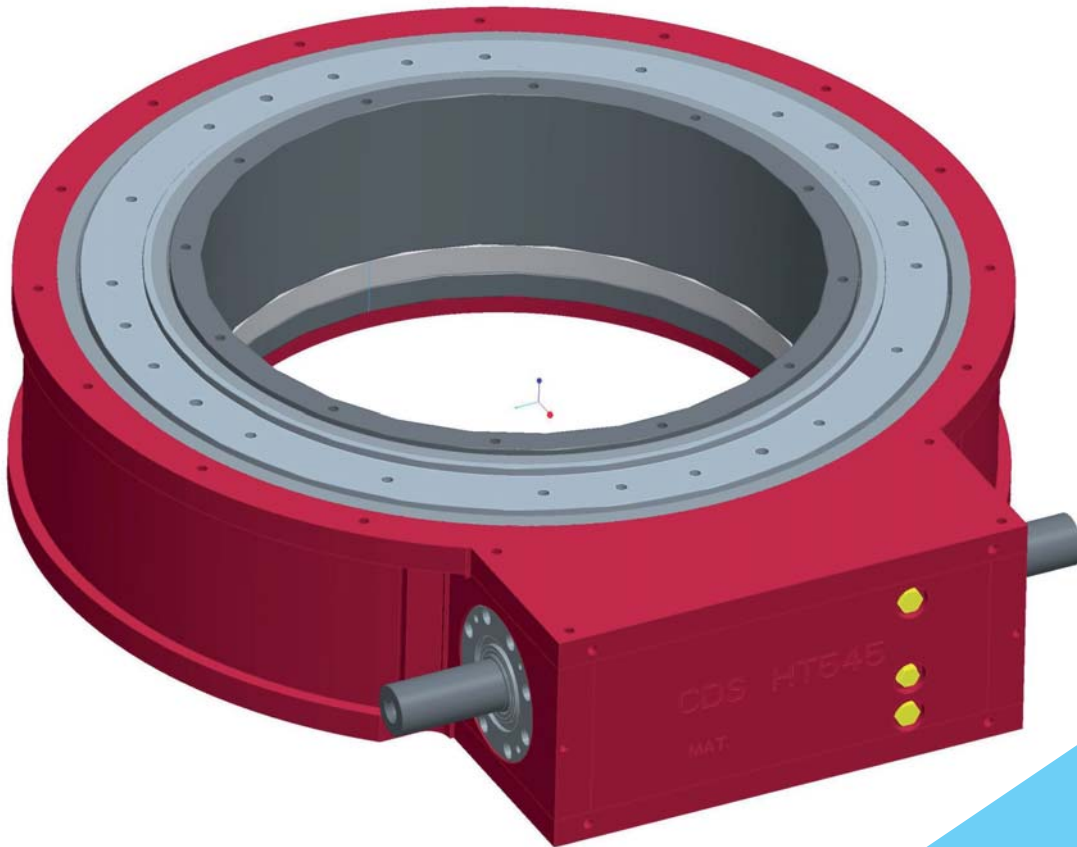


RING TABLE
HT SERIES



HT SERIES
meeting a new challenge!

November 08

C014eng/0



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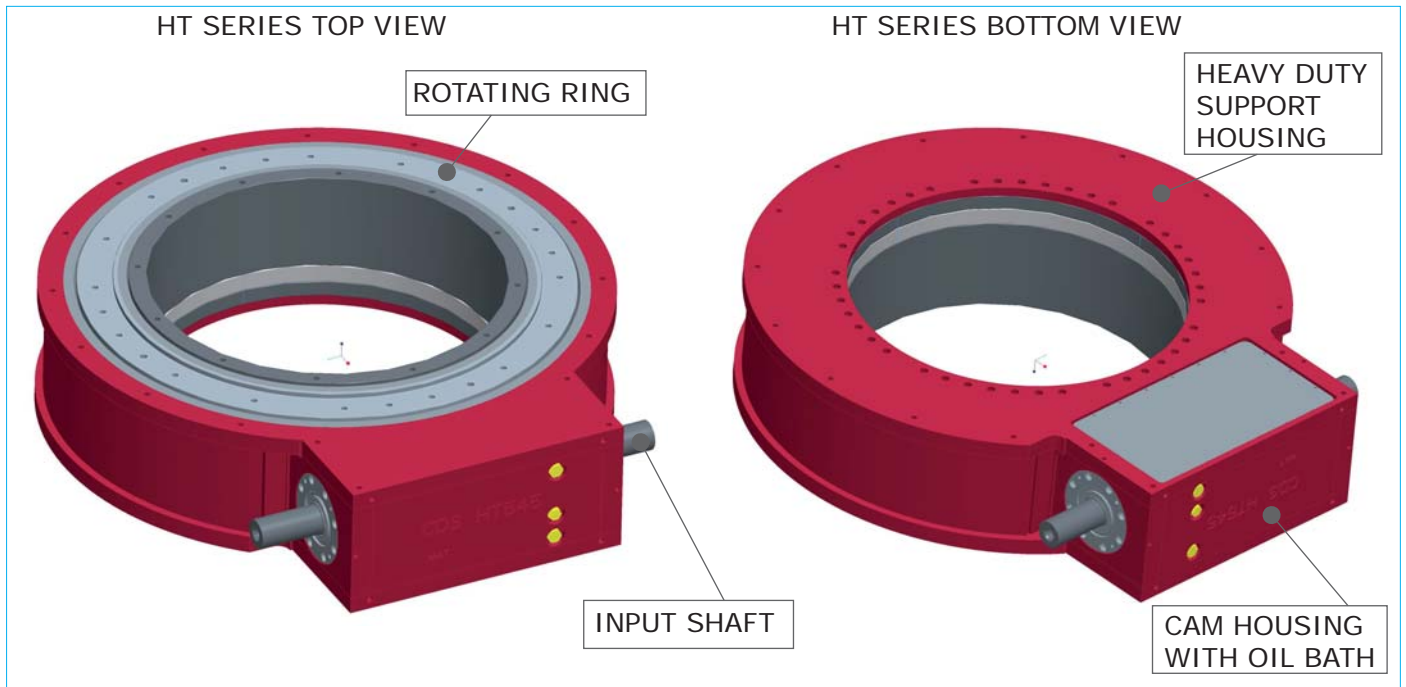
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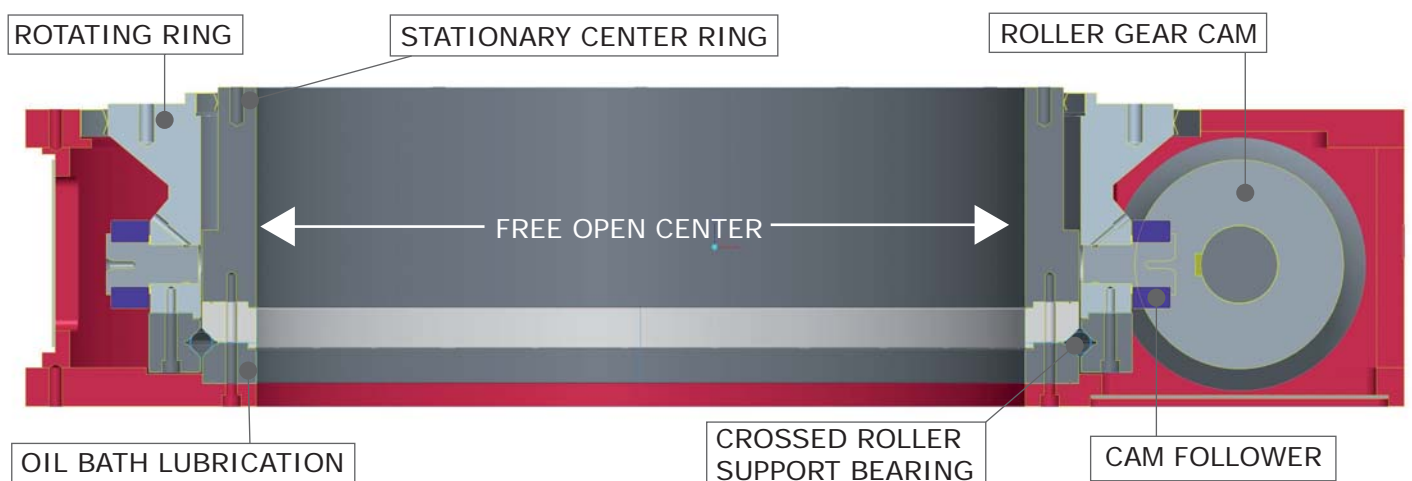
HT series ring tables are driven by globe-shaped, roller gear cams and were developed for specific industrial automation market segments requiring the following features:

- large central hole
- high number of stations or programmable positioning
- greater precision in controlling positioning and motions
- "zero backlash"
- resistance to high loads and large overturning moments



HT series ring tables are very rugged as well as extremely precise. This combination of robust construction and high precision make them especially well suited for automation equipment requiring heavy-duty load capacity and also positional accuracy. For example, they can be used as the main rotational axis that supports industrial Cartesian robots.

TECHNICAL DESCRIPTION: HT SERIES SECTION VIEW



The section view of the HT series ring tables shows the main design features of the table. In fact, the geometric features like the large center through hole are immediately noticeable. Further, the bearings on the external diameter of the output ring are precision crossed rollers for supporting high loads and large moments and still maintaining precise positioning.

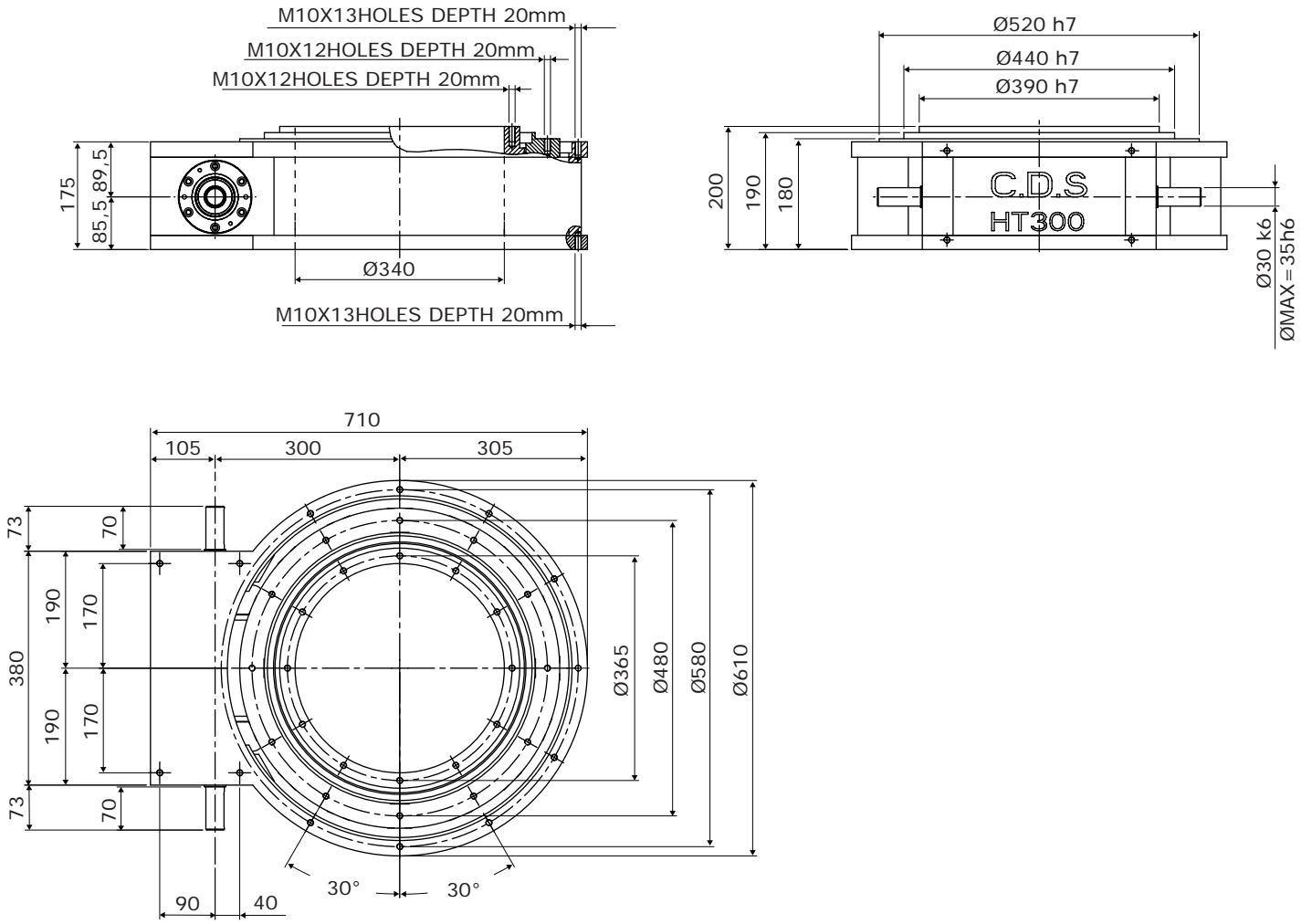
TECHNICAL DATA - HT 365

N° of Stops/ Index Angle	Cycle time (sec)	Mt s (Nm)	Mt d (Nm)	J (Kgm ²)	Mt in max (Nm)	Ca	Ø Roller	N° Roller
4/300°-60°	0,5	2400	1000	20	300	5,53	30	16
	1	2400	1000	80	300	5,53	30	16
	1,5	2400	1000	180	300	5,53	30	16
4/330°-30°	0,5	2400	1000	24	280	5,53	30	16
	1	2400	1000	96	280	5,53	30	16
	1,5	2400	1000	216	280	5,53	30	16
4/360°-0°	0,5	2500	2500	88	950	SCREW	40	16
	1	2500	2500	352	950	SCREW	40	16
	1,5	2500	2500	792	950	SCREW	40	16
6/270°-90°	0,5	3500	1700	40	370	5,53	35	18
	1	3500	1700	160	370	5,53	35	18
	1,5	3500	1700	360	370	5,53	35	18
6/330°-30°	0,5	4500	2500	90	450	5,53	40	18
	1	4500	2500	340	450	5,53	40	18
	1,5	4500	2500	810	450	5,53	40	18
6/360°-0°	0,5	4000	4000	210	1000	SCREW	50	18
	1	4000	4000	840	1000	SCREW	50	18
	1,5	4000	4000	1890	1000	SCREW	50	18
8/220°-140°	0,5	4500	2400	51	490	5,53	40	16
	1	4500	2400	204	490	5,53	40	16
	1,5	4500	2400	459	490	5,53	40	16
8/330°-30°	0,5	7200	4500	220	620	5,53	50	16
	1	7200	4500	880	620	5,53	50	16
	1,5	7200	4500	1980	620	5,53	50	16
8/360°-0°	0,5	6800	6800	480	1300	SCREW	60	16
	1	6800	6800	1920	1300	SCREW	60	16
	1,5	6800	6800	4320	1300	SCREW	60	16
16/120°-240°	0,5	4500	2000	25	380	5,53	40	16
	1	4500	2000	100	380	5,53	40	16
	1,5	4500	2000	225	380	5,53	40	16
16/330°-30°	0,5	10000	7000	680	470	5,53	60	16
	1	10000	7000	2720	470	5,53	60	16
	1,5	10000	7000	6120	470	5,53	60	16
16/360°-0°	0,5	7500	7500	1060	700	SCREW	60	16
	1	7500	7500	4240	700	SCREW	60	16
	1,5	7500	7500	9540	700	SCREW	60	16

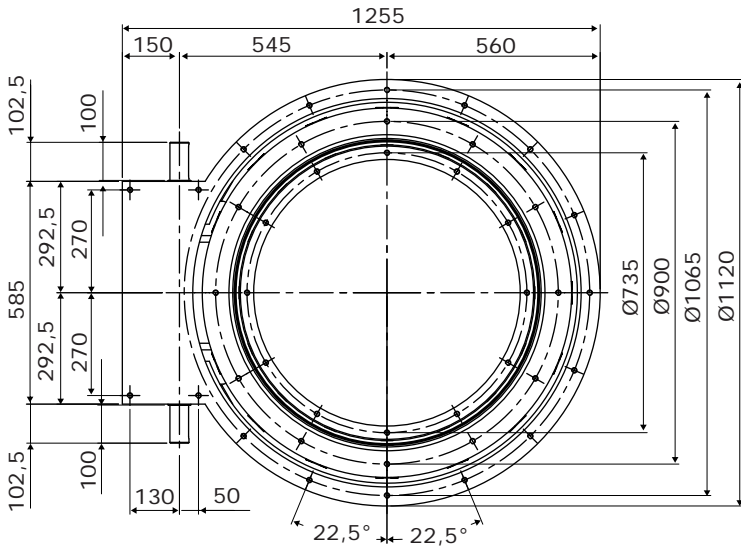
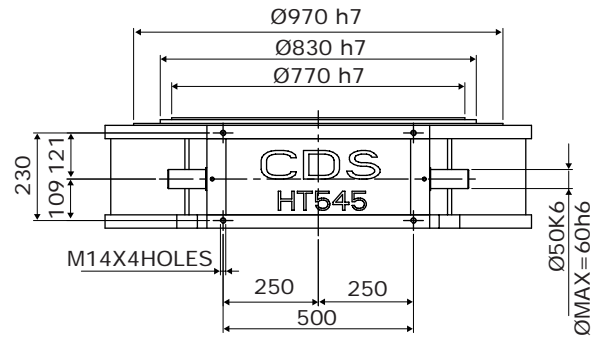
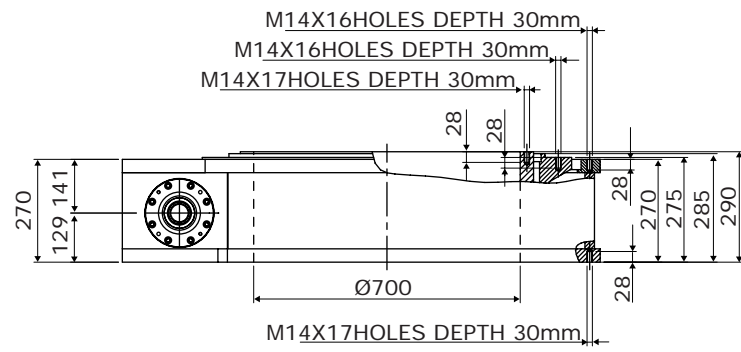
TECHNICAL DATA - HT 545

N° of Stops/ Index Angle	Cycle time (sec)	Mt s (Nm)	Mt d (Nm)	J (Kgm ²)	Mt in max (Nm)	Ca	Ø Roller	N° Roller
4/300°-60°	0,5	6800	2500	40	760	5,53	40	16
	1	6800	2500	160	760	5,53	40	16
	1,5	6800	2500	360	760	5,53	40	16
4/330°-30°	0,5	6800	2600	62	710	5,53	40	16
	1	6800	2600	248	710	5,53	40	16
	1,5	6800	2600	558	710	5,53	40	16
4/360°-0°	0,5	6500	6500	220	2400	SCREW	60	16
	1	6500	6500	880	2400	SCREW	60	16
	1,5	6500	6500	1980	2400	SCREW	60	16
6/270°-90°	0,5	6600	3200	75	700	5,53	40	18
	1	6600	3200	300	700	5,53	40	18
	1,5	6600	3200	675	700	5,53	40	18
6/330°-30°	0,5	10600	6000	210	1100	5,53	50	18
	1	10600	6000	840	1100	5,53	50	18
	1,5	10600	6000	1890	1100	5,53	50	18
6/360°-0°	0,5	13000	13000	680	3200	SCREW	80	18
	1	13000	13000	2720	3200	SCREW	80	18
	1,5	13000	13000	6120	3200	SCREW	80	18
8/220°-140°	0,5	10700	5400	110	1100	5,53	50	16
	1	10700	5400	440	1100	5,53	50	16
	1,5	10700	5400	990	1100	5,53	50	16
8/330°-30°	0,5	14600	8800	420	1200	5,53	60	16
	1	14600	8800	1680	1200	5,53	60	16
	1,5	14600	8800	3780	1200	5,53	60	16
8/360°-0°	0,5	13000	13000	910	2400	SCREW	80	16
	1	13000	13000	3640	2400	SCREW	80	16
	1,5	13000	13000	8190	2400	SCREW	80	16
16/120°-240°	0,5	14600	6000	73	1120	5,53	60	16
	1	14600	6000	292	1120	5,53	60	16
	1,5	14600	6000	657	1120	5,53	60	16
16/330°-30°	0,5	23600	15000	1400	1000	5,53	80	16
	1	23600	15000	5600	1000	5,53	80	16
	1,5	23600	15000	12600	1000	5,53	80	16
16/360°-0°	0,5	16000	16000	2260	1500	SCREW	80	16
	1	16000	16000	9040	1500	SCREW	80	16
	1,5	16000	16000	20340	1500	SCREW	80	16

OVERALL SIZE - HT 300



OVERALL SIZE - HT 545



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