

MRT ROTARY TABLE SYSTEMS



MRT020001



MRT020005



MRT030028



MRT040056



MRT060173

Mechanical specifications

Size		MRT020001	MRT020005	MRT030028	MRT040056	MRT060173
Torque motor data						
Maximum speed	rpm	2000	875	650	465	290
Ultimate torque	Nm	1.2	4.5	28.4	55.5	173
Continuous torque	Nm	0.5	2	10.8	19.7	58.5
Ultimate current	Arms	13.8	27.9	13.5	13.5	22
Continuous current	Arms	4.8	11	4.2	3.9	7.4
Power supply	Vdc	560	560	325	560	560
Height	mm	40	90	153	131	138
Mechanical specifications						
Max. axial load	N	159	817	1100	1575	5100
Max. radial load	N	70	355	490	695	2245
Max. moment load	Nm	17.29	145	230	382	2003
Inertia of rotor	kg·cm ²	0.14	1.96	22.1	26.6	185.0
Total weight	kg	0.8	1.9	4.5	6.2	11.9
External diameter	mm	102	112	122	152	230
Though-hole diameter	mm	-	20	42	60	125
Height	mm	40	90	153	131	138

MRT ORDER CODE

Type model

MRT - Compact rotary table with torque motor and hollow shaft.

MRT□□ - TT□□□□ - □□□□□□ - 00A - XXXXX - □ - SXX

Size

Size model:

02 - 020001
02 - 020005
03 - 030028
04 - 040056
06 - 060173

Motor / Carriage model

Ultimate torque

MRT	1.20Nm - 001
	4.50Nm - 005
	28.4Nm - 028
	55.5Nm - 056
	173Nm - 173

Motor winding:

N - Standard motor (N/A)
H - High-speed motor
X - Ohne Motor

Encoder

Technology:

0A - Inductive incremental
3A - Inductive absolute
XXXXX Without encoder

Reading head output:

* Incremental:

0 - 1 Vpp
4 - TTL

* Absolut:

E - Endat 2.2
D - Drivecliq

Measurement system:

4C - 40 μm
1U - 1 μm
2H - 0,25 μm
1S - 0,1 μm + Safety function
1Y - 1 μm + Safety function

Lubrication

Grease type:

S - Standard
C - Clean room
F - Food grade
L - Low temperature