

Technical data: NC-rotary tables fast turning

Type		RTA 3D 300	RTA 3D 400	RTA 3D 520	RTA 4D 520		RTA 4D 630	RTA 4D 800	RTA 5D 850	RTA 5D 1000	RTA 5D 1250
Base											
Face plate	[mm]	300	400	520	520	[mm]	630	800	850	1000	1250
Weight	[kg]	340	380	430	530	[kg]	595	725	840	1000	1650
Centre height (horizontal rotation axis)	[mm]	250	-	-	280	[mm]	-	-	-	-	-
Centre height (vertical rotation axis)	[mm]	335	335	335	360	[mm]	360	360	170 (from flange plate) / 470	170 (from flange plate) / 470	170 (from flange plate) / 470
Max. table inside diameter	[mm]	80	80	80	110	[mm]	110	110	200	200	200
Accuracy measuring system (absolute)	["]	± 5	± 5	± 5	± 5	["]	± 5	± 5	± 3	± 3	± 3
Max. operating pressure	[bar]	43	43	43	43	[bar]	43	43	43	43	43
Torque											
Max. torque (by main drive)	[Nm]	500	500	500	700	[Nm]	700	700	2000	2000	2000
Course of torque											
For 0 rpm	[Nm]	500	500	500	-	[Nm]	-	-	-	-	-
For 300 rpm	[Nm]	250	250	250	-	[Nm]	-	-	-	-	-
For 500 rpm	[Nm]	80	80	80	-	[Nm]	-	-	-	-	-
For 0 rpm	[Nm]	-	-	-	700	[Nm]	700	700	-	-	-
For 300 rpm	[Nm]	-	-	-	500	[Nm]	500	500	-	-	-
For 350 rpm	[Nm]	-	-	-	300	[Nm]	300	300	-	-	-
From 0 to 150 rpm	[Nm]	-	-	-	-	[Nm]	-	-	2000	2000	2000
For 300 rpm	[Nm]	-	-	-	-	[Nm]	-	-	1000	1000	1000
Max. tangential moment (by hydraulic clamping)	[Nm]	4000	4000	4000	6000	[Nm]	6000	6000	10000	10000	10000
Positioning operation											
Max. loading (with vertical rotation axis ¹)	[kg]	800	800	800	1500	[kg]	1500	1500	3000	3000	3000
Max. loading (with horizontal rotation axis ¹)	[kg]	300	-	-	800	[kg]	-	-	-	-	-
Permitted mass moment of inertia (consisting of workpiece, equipment and face plate ²)	[kgm ²]	80	80	80	300	[kgm ²]	300	300	1000	1000	1000
Max. speed range	[rpm]	20	20	20	20	[rpm]	20	20	20	20	20
Turning operation											
Max. loading (with vertical rotation axis ¹)	[kg]	250	250	250	500	[kg]	500	500	1500	1500	1500
Max. loading (with horizontal rotation axis ¹)	[kg]	150	-	-	250	[kg]	-	-	-	-	-
Permitted mass moment of inertia (consisting of workpiece, equipment and face plate ²)	[kgm ²]	20	20	20	80	[kgm ²]	80	80	300	300	300
Max. speed range	[rpm]	500	500	500	350	[rpm]	350	350	300	300	300

¹ Permitted transport weight also limited by installation situation / machine and kind of application

² Adaptation of acceleration and speed parameter dependent on mass moment of inertia

For all specifications centred, balanced loading is required!