

# NC-rotary tables fast turning for milling applications

Type		RTA 4TF 520	RTA 4TF 630	RTA 4TF 800	RTA 4TF 1000		RTA 5TF 850	RTA 5TF 1000	RTA 5TF 1250	RTA 6TF 1600	RTA 6TF 1800
<b>Base</b>											
Face plate	[mm]	520	630	800	1000	[mm]	850	1000	1250	1600	1800
Weight	[kg]	530	595	595	885	[kg]	840	1000	1650	4210	4610
Centre height (horizontal rotation axis)	[mm]	280	330	-	-	[mm]	450	-	-	-	-
Overall height (vertical rotation axis)	[mm]	380	380	380	380	[mm]	470	470	470	590	590
Max. table inside diameter	[mm]	110	110	110	110	[mm]	200	200	200	200	200
Accuracy measuring system <sup>3</sup> (absolute)	["]	± 5	± 5	± 5	± 5	["]	± 5	± 5	± 5	± 2,5	± 2,5
Max. operating pressure	[bar]	40	40	40	40	[bar]	40	40	40	60	60
<b>Torque</b>											
Max. torque (by main drive)	[Nm]	700	700	700	700	[Nm]	2000	2000	2000	3200	3200
<b>Torque curve</b>											
For 0 rpm	[Nm]	-	-	-	-	[Nm]	-	-	-	-	-
For 300 rpm	[Nm]	-	-	-	-	[Nm]	-	-	-	-	-
For 500 rpm	[Nm]	-	-	-	-	[Nm]	-	-	-	-	-
For 0 rpm	[Nm]	-	-	-	-	[Nm]	-	-	-	-	-
For 300 rpm	[Nm]	-	-	-	-	[Nm]	-	-	-	-	-
For 350 rpm	[Nm]	-	-	-	-	[Nm]	-	-	-	-	-
From 0 to 150 rpm	[Nm]	-	-	-	-	[Nm]	-	-	-	-	-
For 250 rpm	[Nm]	-	-	-	-	[Nm]	-	-	-	-	-
For 300 rpm	[Nm]	-	-	-	-	[Nm]	-	-	-	-	-
Max. tangential moment (by hydraulic clamping)	[Nm]	6000	6000	6000	6000	[Nm]	10000	10000	10000	10000	10000
<b>Positioning operation</b>											
Max. loading (with vertical rotation axis <sup>1</sup> )	[kg]	2000	2000	2000	2000	[kg]	5000	5000	5000	6000	6000
Max. loading (with horizontal rotation axis <sup>1</sup> )	[kg]	800	800	-	-	[kg]	1500	-	-	-	-
Permitted mass moment of inertia (consisting of workpiece, equipment and face plate <sup>2</sup> )	[kgm <sup>2</sup> ]	300	300	300	300	[kgm <sup>2</sup> ]	1000	1000	1000	2500	2500
Max. speed range	[rpm]	20	20	20	20	[rpm]	20	20	20	10	10
<b>Turning operation</b>											
Max. loading (with vertical rotation axis <sup>1</sup> )	[kg]	-	-	-	-	[kg]	-	-	-	-	-
Max. loading (with horizontal rotation axis <sup>1</sup> )	[kg]	-	-	-	-	[kg]	-	-	-	-	-
Permitted mass moment of inertia (consisting of workpiece, equipment and face plate <sup>2</sup> )	[kgm <sup>2</sup> ]	-	-	-	-	[kgm <sup>2</sup> ]	-	-	-	-	-
Max. speed range	[rpm]	-	-	-	-	[rpm]	-	-	-	-	-

<sup>1</sup> Permitted transport weight also limited by installation situation, machine and kind of application

<sup>2</sup> Adaptation of acceleration and speed parameter dependent on mass moment of inertia

For all specifications centred, balanced loading is required!

<sup>3</sup> Other measuring system accuracies on request!