

## NC-rotary tables / Swivelling rotary table

Type		RTA 2 300	RTA 3 400	RTA 3 520	RTA 3 630		RTA 4 520	RTA 4 630	RTA 4 800	RTA 4 1000	RTA 5 800
<b>Base</b>											
Face plate	[mm]	300	400	520	630	[mm]	520	630	800	1000	800
Weight	[kg]	165	320	360	410	[kg]	470	540	660	780	840
Centre height (horizontal rotation axis)	[mm]	200	250	280	330	[mm]	280	330	-	-	420
Overall height (vertical rotation axis)	[mm]	240	280	280	280	[mm]	295	295	295	295	295
Max. table inside diameter	[mm]	100 <sup>4</sup>	140 <sup>4</sup>	140 <sup>4</sup>	140 <sup>4</sup>	[mm]	200 <sup>4</sup>	200 <sup>4</sup>	200 <sup>4</sup>	200 <sup>4</sup>	200 <sup>3</sup>
Permitted mass moment of inertia (consisting of workpiece, equipment and face plate <sup>2</sup> )	[kgm <sup>2</sup> ]	10	40	40	40	[kgm <sup>2</sup> ]	150	150	150	150	400
Accuracy measuring system <sup>5</sup> (direct / indirect)	["]	± 5 / ± 15	± 5 / ± 15	± 5 / ± 15	± 5 / ± 15	["]	± 5 / ± 15	± 5 / ± 15	± 5 / ± 15	± 5 / ± 15	± 5 / -
Max. operating pressure	[bar]	63	63	63	63	[bar]	63	63	63	63	63
<b>Torque</b>											
Max. torque (by main drive)	[Nm]	300	900	900	900	[Nm]	1600	1600	1600	1600	2200
Max. tangential moment (by hydraulic clamping)	[Nm]	2800	6000	6000	6000	[Nm]	10000	10000	10000	10000	10000
<b>Transport weight</b>											
Max. loading (with vertical rotation axis <sup>1</sup> )	[kg]	1000	1500	1500	1500	[kg]	3000	3000	3000	3000	6000
Max. loading (with horizontal rotation axis <sup>1</sup> )	[kg]	300	500	500	500	[kg]	1200	1200	-	-	1600
<b>Speed range</b>											
Max. rapid speed range (intermittent duty mode)	[rpm]	11,0	8,0	8,0	8,0	[rpm]	6,7	6,7	6,7	6,7	5,0
Max. permanent speed range (constant operation with low stress)	[rpm]	2,0	2,0	2,0	2,0	[rpm]	2,0	2,0	2,0	2,0	1,0

<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

<sup>3</sup> Optional with special measuring system

<sup>4</sup> Only with indirect measuring system or with special measuring system

For all specifications centred, balanced loading is required!

<sup>5</sup> Other measuring system accuracies on request!

## NC-rotary tables / Swivelling rotary table

Type		RTA 5 1000	RTA 5 1100x1100	RTA 6 1500		RTA 8 2300	RTA 8 2800	SRTA 2 300
<b>Base</b>								
Face plate	[mm]	1000	1100 x 1100	1500	[mm]	2300	2800	300
Weight	[kg]	1000	1650	2700	[kg]	6500	8000	350
Centre height (horizontal rotation axis)	[mm]	-	-	-	[mm]	-	-	200
Overall height (vertical rotation axis)	[mm]	295	370	380	[mm]	460	500	328
Max. table inside diameter	[mm]	200 <sup>3</sup>	200 <sup>3</sup>	370 <sup>3</sup>	[mm]	370 <sup>3</sup>	370 <sup>3</sup>	100 <sup>4</sup>
Permitted mass moment of inertia (consisting of workpiece, equipment and face plate <sup>2</sup> )	[kgm <sup>2</sup> ]	400	400	2000	[kgm <sup>2</sup> ]	8000	8000	n.i.
Accuracy measuring system <sup>5</sup> (direct / indirect)	["]	± 5 / -	± 5 / -	± 5 / -	["]	± 2,5 / -	± 2,5 / -	± 5 / ± 15
Max. operating pressure	[bar]	63	63	63	[bar]	63	63	120
<b>Torque</b>								
Max. torque (by main drive)	[Nm]	2200	2200	3500	[Nm]	7500	7500	n.i.
Max. tangential moment (by hydraulic clamping)	[Nm]	10000	10000	18000	[Nm]	40000	40000	2800
<b>Transport weight</b>								
Max. loading (with vertical rotation axis <sup>1</sup> )	[kg]	6000	6000	10000	[kg]	18000	18000	1000
Max. loading (with horizontal rotation axis <sup>1</sup> )	[kg]	-	-	-	[kg]	-	-	200
<b>Speed range</b>								
Max. rapid speed range (intermittent duty mode)	[rpm]	5,0	5,0	6,0	[rpm]	4,5	4,5	11,0
Max. permanent speed range (constant operation with low stress)	[rpm]	1,0	1,0	1,0	[rpm]	1,0	1,0	2,0

<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

<sup>3</sup> Optional with special measuring system

<sup>4</sup> Only with indirect measuring system or with special measuring system

For all specifications centred, balanced loading is required!

<sup>5</sup> Other measuring system accuracies on request!