

## Technical data: NC-rotary tables / Swivelling rotary table

Type		RTA 2 300	RTA 3 400	RTA 3 520	RTA 3 630		RTA 4L 520	RTA 4L 630	RTA 4L 800	RTA 4L 1000	RTA 4S 520	RTA 4S 630
<b>Base</b>												
Face plate	[mm]	300	400	520	630	[mm]	520	630	800	1000	520	630
Weight	[kg]	165	320	360	410	[kg]	460	530	650	770	470	540
Centre height (horizontal rotation axis)	[mm]	200	250	280	330	[mm]	280	330	-	-	280	330
Overall height (vertical rotation axis)	[mm]	240	280	280	280	[mm]	290	290	290	290	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>4</sup>	200 <sup>4</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	150	150
Accuracy measuring system (direct / indirect)	["]	± 5 / ± 15	± 5 / ± 15	± 5 / ± 15	± 5 / ± 15	["]	± 5 / ± 15	± 5 / ± 15	± 5 / ± 15	± 5 / ± 15	± 5 / ± 15	± 5 / ± 15
Max. operating pressure	[bar]	63	63	63	63	[bar]	63	63	63	63	63	63
<b>Torque</b>												
Max. torque (by main drive)	[Nm]	300	900	900	900	[Nm]	1600	1600	1600	1600	1600	1600
Max. tangential moment (by hydraulic clamping)	[Nm]	2800	6000	6000	6000	[Nm]	8000	8000	8000	8000	10000	10000
<b>Transport weight</b>												
Max. loading (with vertical rotation axis <sup>1</sup> )	[kg]	1000	1500	1500	1500	[kg]	2500	2500	2500	2500	3000	3000
Max. loading (with horizontal rotation axis <sup>1</sup> )	[kg]	300	500	500	500	[kg]	800	800	-	-	1200	1200
<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	6,7	6,7
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	2,0	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!

## Technical data: NC-rotary tables / Swivelling rotary table

Type		RTA 4S 800	RTA 4S 1000	RTA 5S 800	RTA 5S 1000		RTA 5S 1100x1100	RTA 6S 1500	RTA 8 2300	RTA 8 2800		SRTA 2 300
<b>Base</b>												
Face plate	[mm]	800	1000	800	1000		1100 x 1100	1500	2300	2800		300
Weight	[kg]	660	780	840	1000		1650	2700	6500	8000		350
Centre height (horizontal rotation axis)	[mm]	-	-	-	-		-	-	-	-		200
Overall height (vertical rotation axis)	[mm]	295	295	295	295		370	380	460	500		328
Max. table inside diameter	[mm]	200 <sup>4</sup>	200 <sup>4</sup>	200 <sup>3</sup>	200 <sup>3</sup>		200 <sup>3</sup>	370 <sup>3</sup>	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> ]	150	150	400	400		400	2000	8000	8000		n. s.
Accuracy measuring system (direct / indirect)	["]	± 5 / ± 15	± 5 / ± 15	± 5 / -	± 5 / -		± 5 / -	± 5 / -	± 5 / -	± 5 / -		± 5 / ± 15
Max. operating pressure	[bar]	63	63	63	63		63	63	63	63		120
<b>Torque</b>												
Max. torque (by main drive)	[Nm]	1600	1600	2200	2200		2200	3500	7500	7500		n. s.
Max. tangential moment (by hydraulic clamping)	[Nm]	10000	10000	10000	10000		10000	18000	40000	40000		2800
<b>Transport weight</b>												
Max. loading (with vertical rotation axis <sup>1</sup> )	[kg]	3000	3000	6000	6000		6000	10000	18000	18000		1000
Max. loading (with horizontal rotation axis <sup>1</sup> )	[kg]	-	-	-	-		-	-	-	-		200
<b>Speed range</b>												
Max. rapid speed range (intermittent duty mode)	[rpm]	6,7	6,7	5,0	5,0		5,0	6,0	4,5	4,5		11,0
Max. permanent speed range (constant operation with low stress)	[rpm]	2,0	2,0	1,0	1,0		1,0	1,0	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!