

		A-Axis	C-Axis
Faceplate diameter min.	mm		320
Axis of rotation	./.	horiz.	vertik.
Load capacity	kg		500
Max. revolutions per minute	U/min.	18	32
Bearing diameter	mm	385 x 260	300 x 200
Worm gear ratio	./.	90	90
Max. center bore diameter	mm		80
Drive torque	Nm	18	15
Unit weight komplett	kg	1.250	
Max. tilting moment at the axis of rotation	Nm		2.600
Max. axial load	N		5.000
Max. mass moment of inertia	kgm ²		54
Max. tangential torque with clamping actuated	Nm	9.200	3.000
Max. tangential torque without clamping	Nm	2.000	1.700
Clamping type	./.	hyd.	hyd.
Max. clamping pressure	bar ü	63	63
Dividing accuracy at the worm drive	''	+/- 10	+/- 10
Dividing accuracy with direct mounted encoder	''	+/- 3	+/- 3
Repeatability	''	+/- 1	+/- 1
Concentricity of the pilot diameter	mm		0,01
Plain parallelism including wobble	mm		0,01
Table height	mm		360
Center height	mm	350	

		A-Axis	C-Axis
Faceplate diameter min.	mm		400
Axis of rotation	./.	horiz.	vertik.
Load capacity	kg		800
Max. revolutions per minute	U/min.	16	32
Bearing diameter	mm	300 x 200	385 x 260
Worm gear ratio	./.	90	72
Max. center bore diameter	mm		100
Drive torque	Nm	18	15
Unit weight komplett	kg	1.250	
Max. tilting moment at the axis of rotation	Nm		3.200
Max. axial load	N		6.000
Max. mass moment of inertia	kgm ²		330
Max. tangential torque with clamping actuated	Nm	6.000	4.600
Max. tangential torque without clamping	Nm	1.700	2.000
Clamping type	./.	hyd.	hyd.
Max. clamping pressure	bar ü	63	63
Dividing accuracy at the worm drive	"	+/- 10	+/- 10
Dividing accuracy with direct mounted encoder	"	+/- 3	+/- 3
Repeatability	"	+/- 1	+/- 1
Concentricity of the pilot diameter	mm		0,01
Plain parallelism including wobble	mm		0,01
Table height	mm		365
Center height	mm	515	

		A-Axis	C-Axis
Faceplate diameter min.	mm		520
Axis of rotation	./.	horiz.	vertik.
Load capacity	kg		1.000
Max. revolutions per minute	U/min.	12	12
Bearing diameter	mm	450 x 325	420 x 325
Worm gear ratio	./.	180	180
Max. center bore diameter	mm		200
Drive torque	Nm	27	18
Unit weight komplett	kg	3.550	
Max. tilting moment at the axis of rotation	Nm		6.400
Max. axial load	N		12.000
Max. mass moment of inertia	kgm ²		760
Max. tangential torque with clamping actuated	Nm	12.000	5.000
Max. tangential torque without clamping	Nm	3.400	3.400
Clamping type	./.	hyd.	hyd.
Max. clamping pressure	bar ü	63	63
Dividing accuracy at the worm drive	"	+/- 10	+/- 10
Dividing accuracy with direct mounted encoder	"	+/- 3	+/- 3
Repeatability	"	+/- 1	+/- 1
Concentricity of the pilot diameter	mm		0,01
Plain parallelism including wobble	mm		0,01
Table height	mm		348
Center height	mm	374	

		A-Axis	C-Axis
Faceplate diameter min.	mm		670
Axis of rotation	./.	horiz.	vertik.
Load capacity	kg		1.300
Max. revolutions per minute	U/min.	8	12
Bearing diameter	mm	600 x 460	525 x 395
Worm gear ratio	./.	180	180
Max. center bore diameter	mm		290
Drive torque	Nm	27	18
Unit weight komplett	kg	4.150	
Max. tilting moment at the axis of rotation	Nm		8.000
Max. axial load	N		20.000
Max. mass moment of inertia	kgm ²		1.300
Max. tangential torque with clamping actuated	Nm	31.000	12.000
Max. tangential torque without clamping	Nm	7.000	5.400
Clamping type	./.	hyd.	hyd.
Max. clamping pressure	bar ü	63	63
Dividing accuracy at the worm drive	''	+/- 10	+/- 10
Dividing accuracy with direct mounted encoder	''	+/- 3	+/- 3
Repeatability	''	+/- 1	+/- 1
Concentricity of the pilot diameter	mm		0,01
Plain parallelism including wobble	mm		0,02
Table height	mm		580
Center height	mm	390	

		A-Axis	C-Axis
Faceplate diameter min.	mm		800
Axis of rotation	./.	horiz.	vertik.
Load capacity	kg		2.000
Max. revolutions per minute	U/min.	8	10
Bearing diameter	mm	750 x 580	600 x 460
Worm gear ratio	./.	180	180
Max. center bore diameter	mm		340
Drive torque	Nm	50	50
Unit weight komplett	kg	4.750	
Max. tilting moment at the axis of rotation	Nm		10.400
Max. axial load	N		50.000
Max. mass moment of inertia	kgm ²		1.700
Max. tangential torque with clamping actuated	Nm	50.000	16.000
Max. tangential torque without clamping	Nm	14.000	8.500
Clamping type	./.	hydrau.	hydrau.
Max. clamping pressure	bar ü	63	63
Dividing accuracy at the worm drive	"	+/- 10	+/- 10
Dividing accuracy with direct mounted encoder	"	+/- 3	+/- 3
Repeatability	"	+/- 1	+/- 1
Concentricity of the pilot diameter	mm		0,01
Plain parallelism including wobble	mm		0,02
Table height	mm		755
Center height	mm	755	755

		A-Axis	C-Axis
Faceplate diameter min.	mm		1.030
Axis of rotation	./.	horiz.	vertik.
Load capacity	kg		4.000
Max. revolutions per minute	U/min.	4	9
Bearing diameter	mm	750 x 580	870 x 650
Worm gear ratio	./.	180	36
Max. center bore diameter	mm		450
Drive torque	Nm	50	50
Unit weight komplett	kg	7.700	
Max. tilting moment at the axis of rotation	Nm		24.000
Max. axial load	N		80.000
Max. mass moment of inertia	kgm ²		5.400
Max. tangential torque with clamping actuated	Nm	50.000	27.500
Max. tangential torque without clamping	Nm	14.000	23.000
Clamping type	./.	hyd.	hyd.
Max. clamping pressure	bar ü	63	63
Dividing accuracy at the worm drive	"	+/- 10	+/- 10
Dividing accuracy with direct mounted encoder	"	+/- 3	+/- 3
Repeatability	"	+/- 1	+/- 1
Concentricity of the pilot diameter	mm		0,03
Plain parallelism including wobble	mm		0,01
Table height	mm		785
Center height	mm	785	

		A-Axis	C-Axis
Faceplate diameter min.	mm		1.270
Axis of rotation	./.	horiz.	vertik.
Load capacity	kg		6.000
Max. revolutions per minute	U/min.	4	9
Bearing diameter	mm	870 x 650	870 x 650
Worm gear ratio	./.	180	36
Max. center bore diameter	mm		450
Drive torque	Nm	50	50
Unit weight komplett	kg	8.000	
Max. tilting moment at the axis of rotation	Nm		32.000
Max. axial load	N		100.000
Max. mass moment of inertia	kgm ²		5.500
Max. tangential torque with clamping actuated	Nm	55.000	40.000
Max. tangential torque without clamping	Nm	23.000	36.000
Clamping type	./.	hyd.	hyd.
Max. clamping pressure	bar ü	63	63
Dividing accuracy at the worm drive	"	+/- 10	+/- 10
Dividing accuracy with direct mounted encoder	"	+/- 3	+/- 3
Repeatability	"	+/- 1	+/- 1
Concentricity of the pilot diameter	mm		0,03
Plain parallelism including wobble	mm		0,01
Table height	mm		820
Center height	mm	820	

		A-Axis	C-Axis
Faceplate diameter min.	mm		160
Axis of rotation	./.	horiz.	vertik.
Load capacity	kg		60
Max. revolutions per minute	U/min.	33	40
Bearing diameter	mm	190 x 130	146 x 80
Worm gear ratio	./.	72	90
Max. center bore diameter	mm		40
Drive torque	Nm	6	6
Unit weight komplett	kg	250	
Max. tilting moment at the axis of rotation	Nm		1.200
Max. axial load	N		2.000
Max. mass moment of inertia	kgm ²		4
Max. tangential torque with clamping actuated	Nm	2.200	800
Max. tangential torque without clamping	Nm	360	250
Clamping type	./.	hyd.	hyd.
Max. clamping pressure	bar ü	63	63
Dividing accuracy at the worm drive	"	+/- 15	+/- 15
Dividing accuracy with direct mounted encoder	"	+/- 3	+/- 3
Repeatability	"	+/- 1	+/- 1
Concentricity of the pilot diameter	mm		0,01
Plain parallelism including wobble	mm		0,01
Table height	mm		340
Center height	mm	290	

		A-Axis	C-Axis
Faceplate diameter min.	mm		200
Axis of rotation	./.	horiz.	vertik.
Load capacity	kg		100
Max. revolutions per minute	U/min.	24	33
Bearing diameter	mm	240 x 150	210 x 120
Worm gear ratio	./.	90	72
Max. center bore diameter	mm		40
Drive torque	Nm	10	10
Unit weight komplett	kg	400	
Max. tilting moment at the axis of rotation	Nm		1.500
Max. axial load	N		3.000
Max. mass moment of inertia	kgm ²		6
Max. tangential torque with clamping actuated	Nm	2.200	800
Max. tangential torque without clamping	Nm	700	500
Clamping type	./.	hyd.	hyd.
Max. clamping pressure	bar ü	63	63
Dividing accuracy at the worm drive	''	+/- 15	+/- 15
Dividing accuracy with direct mounted encoder	''	+/- 3	+/- 3
Repeatability	''	+/- 1	+/- 1
Concentricity of the pilot diameter	mm		0,01
Plain parallelism including wobble	mm		0,01
Table height	mm		370
Center height	mm	320	

		A-Axis	C-Axis
Faceplate diameter min.	mm		280
Axis of rotation	./.	horiz.	vertik.
Load capacity	kg		200
Max. revolutions per minute	U/min.	20	41
Bearing diameter	mm	280 x 180	210 x 120
Worm gear ratio	./.	90	72
Max. center bore diameter	mm		60
Drive torque	Nm	30	22
Unit weight komplett	kg	1.000	
Max. tilting moment at the axis of rotation	Nm		1.500
Max. axial load	N		4.000
Max. mass moment of inertia	kgm ²		22
Max. tangential torque with clamping actuated	Nm	2.200	2.100
Max. tangential torque without clamping	Nm	2.000	1.000
Clamping type	./.	hyd.	hyd.
Max. clamping pressure	bar ü	63	63
Dividing accuracy at the worm drive	''	+/- 10	+/- 15
Dividing accuracy with direct mounted encoder	''	+/- 3	+/- 3
Repeatability	''	+/- 1	+/- 1
Concentricity of the pilot diameter	mm		0,01
Plain parallelism including wobble	mm		0,01
Table height	mm		196
Center height	mm	270	

		A-Axis	C-Axis
Faceplate diameter min.	mm		160
Axis of rotation	./.	horiz.	vertik.
Load capacity	kg		60
Max. revolutions per minute	U/min.	33	33
Bearing diameter	mm	190 x 130	146 x 80
Worm gear ratio	./.	90	90
Max. center bore diameter	mm		40
Drive torque	Nm	10	10
Unit weight komplett	kg	350	
Max. tilting moment at the axis of rotation	Nm		1.200
Max. axial load	N		2.000
Max. mass moment of inertia	kgm ²		8
Max. tangential torque with clamping actuated	Nm	1.000	800
Max. tangential torque without clamping	Nm	360	250
Clamping type	./.	hyd.	hyd.
Max. clamping pressure	bar ü	63	63
Dividing accuracy at the worm drive	"	+/- 15	+/- 15
Dividing accuracy with direct mounted encoder	"	+/- 3	+/- 3
Repeatability	"	+/- 1	+/- 1
Concentricity of the pilot diameter	mm		0,01
Plain parallelism including wobble	mm		0,01
Table height	mm		299
Center height	mm	299	

		A-Axis	C-Axis
Faceplate diameter min.	mm		200
Axis of rotation	./.	horiz.	vertik.
Load capacity	kg		80
Max. revolutions per minute	U/min.	20	30
Bearing diameter	mm	280 x 180	210 x 120
Worm gear ratio	./.	90	72
Max. center bore diameter	mm		40
Drive torque	Nm	18	10
Unit weight komplett	kg	600	
Max. tilting moment at the axis of rotation	Nm		5.000
Max. axial load	N		3.000
Max. mass moment of inertia	kgm ²		10
Max. tangential torque with clamping actuated	Nm	6.000	1.200
Max. tangential torque without clamping	Nm	1.700	600
Clamping type	./.	hyd.	hyd.
Max. clamping pressure	bar ü	63	63
Dividing accuracy at the worm drive	"	+/- 15	+/- 15
Dividing accuracy with direct mounted encoder	"	+/- 3	+/- 3
Repeatability	"	+/- 1	+/- 1
Concentricity of the pilot diameter	mm		0,01
Plain parallelism including wobble	mm		0,01
Table height	mm		260
Center height	mm	360	