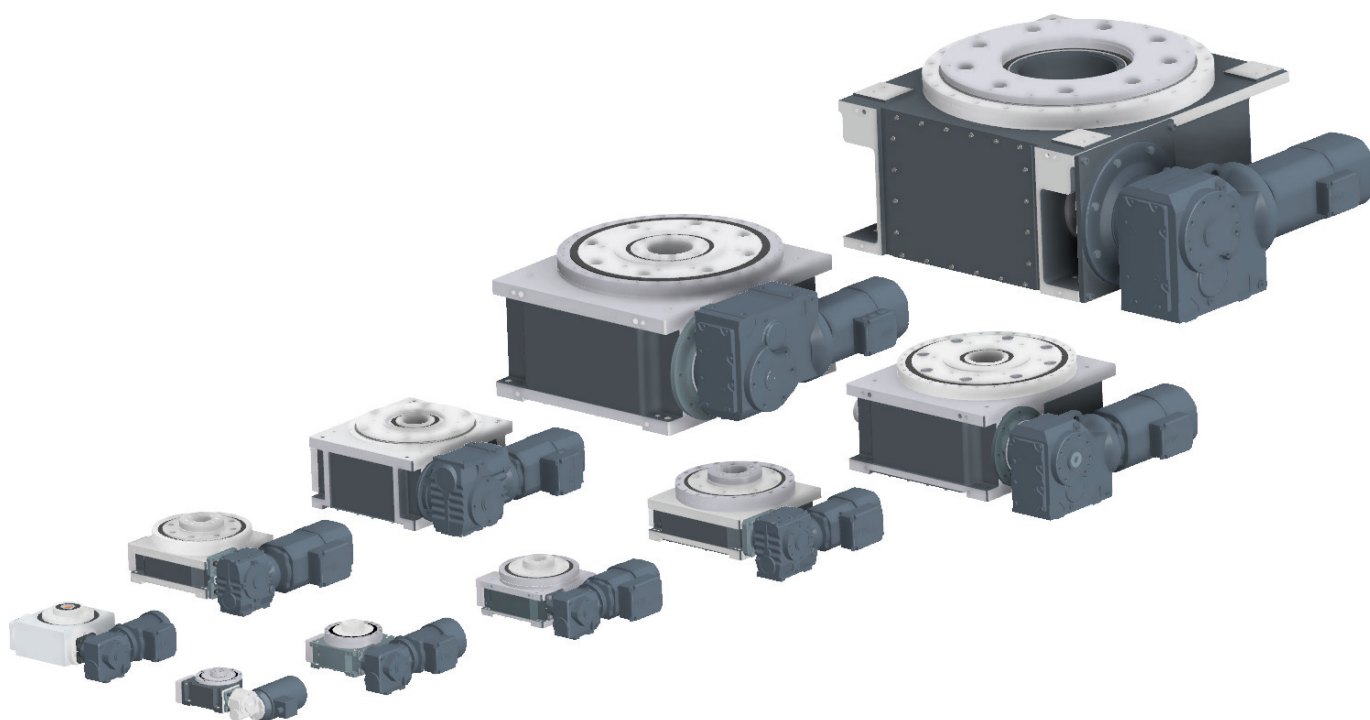


TAKTOMAT

passion for automation

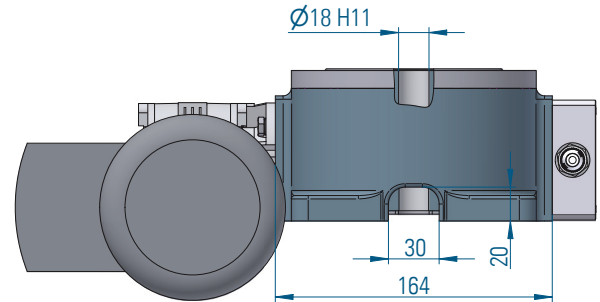
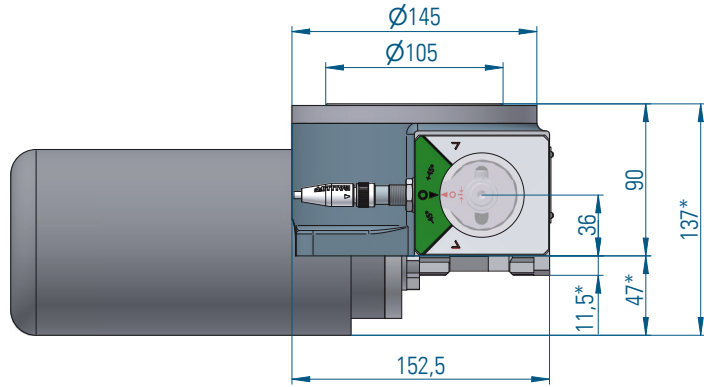


Rotary indexers

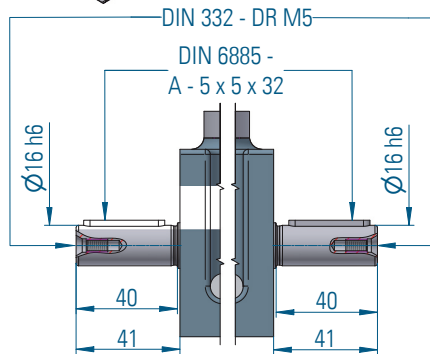
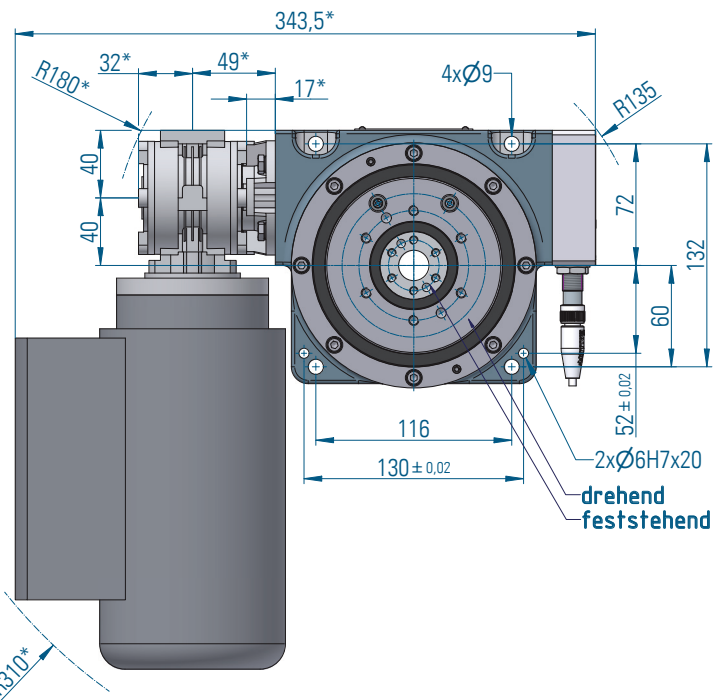
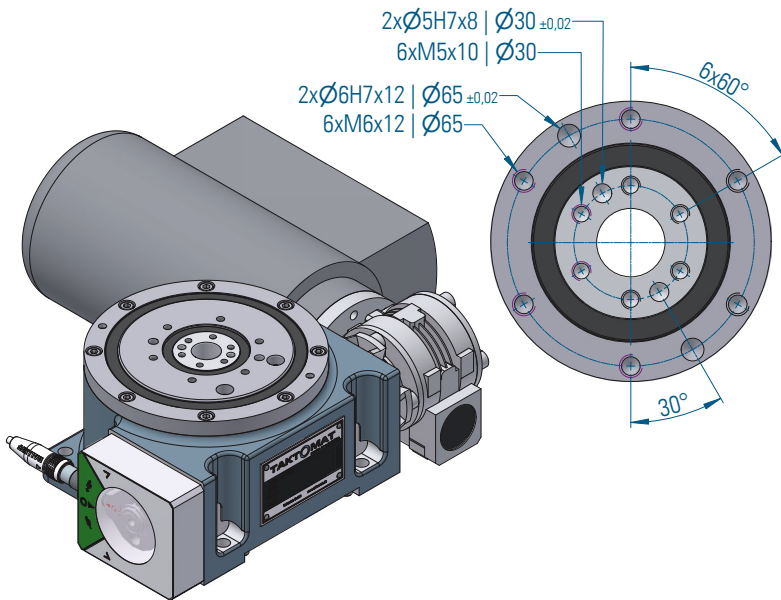
TYPE RTX

RTX350

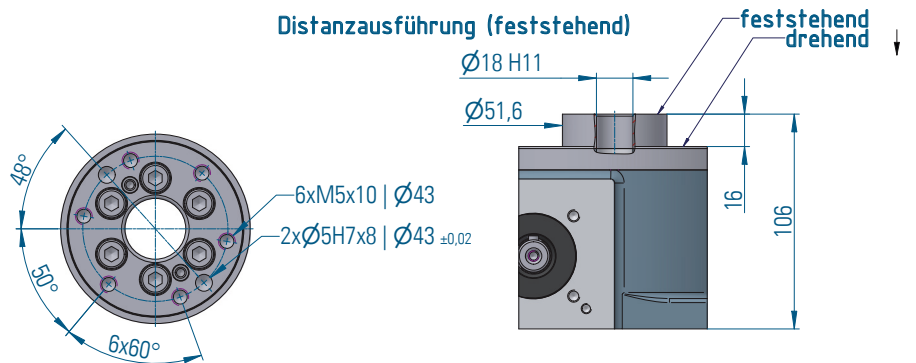
Main dimensions



Basisausführung



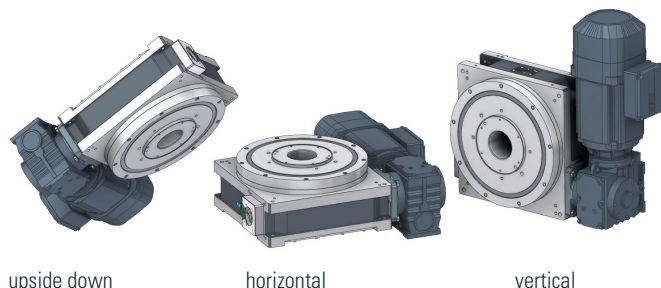
Distanzausführung (feststehend)



* Dimensions depend on the used drive

RTX350

Fitting position

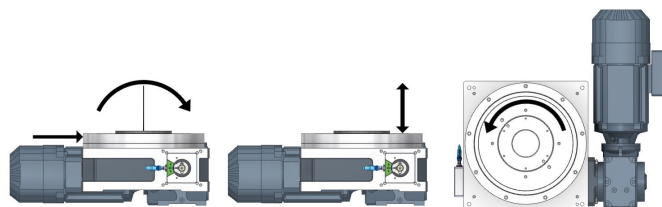


upside down

horizontal

vertical

Load on output flange



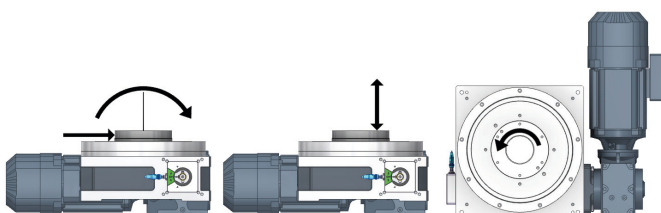
Radial force F_{rA} [kN] 10

Axial force F_{aA} [kN] 11

Torque on output flange [Nm] 376

Tilting moment M_{kA} [kNm] 0,6

Load on central column



Radial force F_{rM} [kN] 1,5

Axial force F_{aM} [kN] 7

Torque on output flange [Nm] 10

Tilting moment M_{kM} [kNm] 0,1

Precision

Axial runout on the output flange $\varnothing$ [mm]	0,01
Runout on the output flange $\varnothing$ [mm]	0,01
Indexing accuracy * in angular seconds ["]	± 45

* Increased indexing accuracy accessible through selected components
„From division 16, the division error due to multi-point locks on the drive cam is larger by a factor of 1.5“

Combined loads and possible process forces must be confirmed by TAKTOMAT.

Dimensions

Output flange $\varnothing$	[mm]	105
Overall height (output flange screw-on surface)	[mm]	90
Center opening $\varnothing$	[mm]	18
Recommended max. size of rotating plate $\varnothing$	[mm]	600
Index table weight	[kg]	15
Number of indexes Other numbers on request	n	2, 3, 4, 6, 8, 10, 12, 16, 20, 24, 30, 36

Standard drive

Motor size		IEC56
Gear size (Center distance)		28
Voltage (other voltages on request)	[V]	230 / 400
Power	[kW]	0,06 - 0,18

RTX350 Load table



n = Number of stops / 360°
revolution of output flange
t = Step time in [s]

J_{Max} = Mass moment of inertia
(base plate + fixtures and parts) in [Kgm²]
Without motor and lifetime

J_L = Mass moment of inertia by life time
(base plate + fixtures and parts) in [Kgm²]

J = Mass moment of inertia with motor
(base plate + fixtures and parts) in [Kgm²]

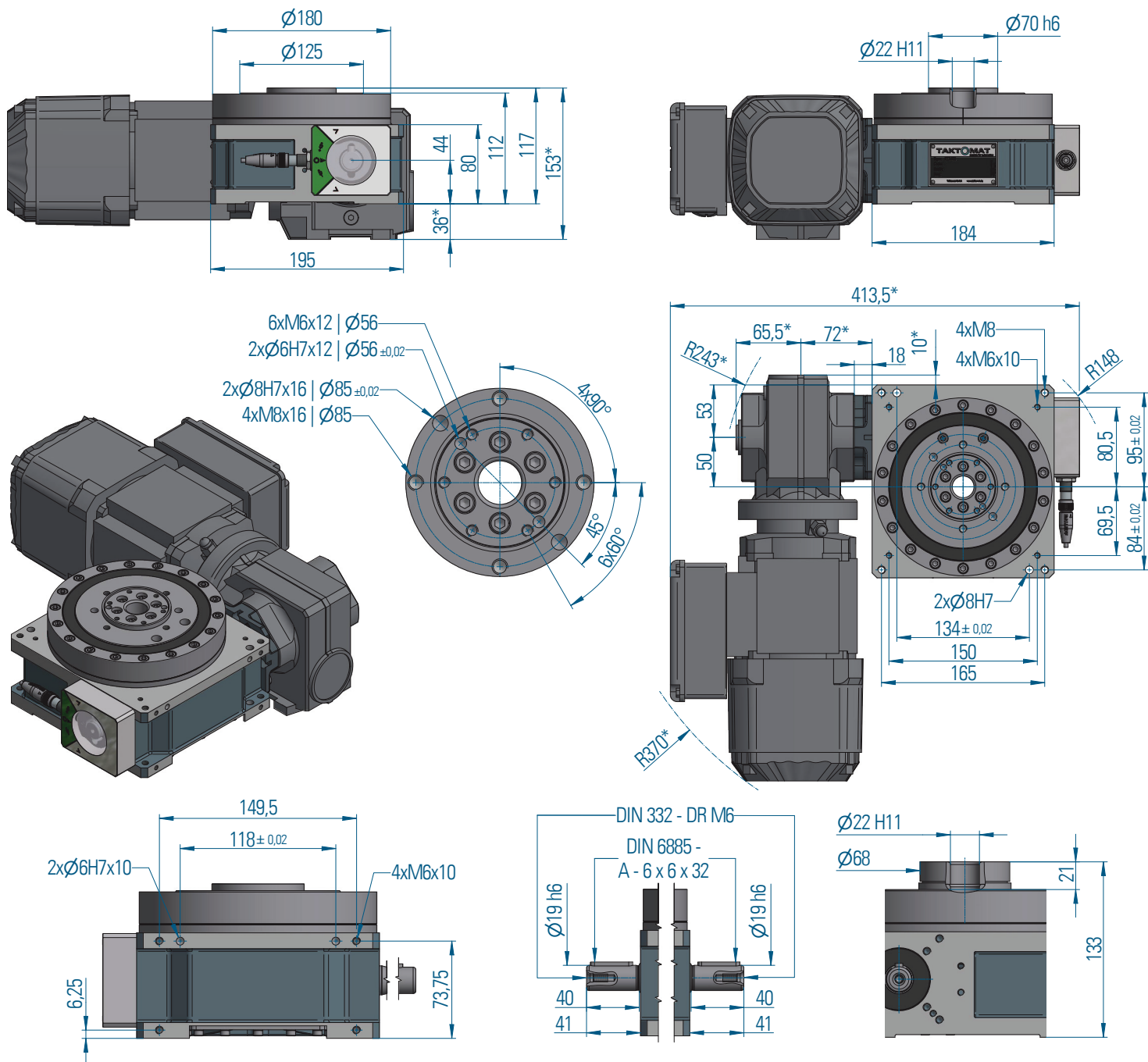
From n=16 The output flange steps
2 times per cam revolution

From n=36 The output flange steps
3 times per cam revolution

Speed	Step	1	2	3	4	5	6	7	8	9	10	11	12	13
n														
2	t			0,38	0,57	0,76	1,07	1,52	1,87	2,18	2,73	3,11		
	J_{Max}			2,50	5,63	10,02	19,65	40,11	60,20	82,11	128,30	167,57		
	J_L			0,75	1,91	3,70	8,04	18,26	29,13	41,63	69,56	94,57		
	J			0,09	0,39	0,34	0,99	3,10	5,47	4,48	8,11	12,79		
3	t			0,38	0,57	0,76	1,07	1,52	1,87	2,18	2,73	3,11		
	J_{Max}			4,16	9,37	16,66	32,66	66,66	100,04	136,45	213,21	278,48		
	J_L			1,44	3,67	7,11	15,43	35,06	55,92	79,91	133,50	181,50		
	J			0,24	0,91	0,83	2,33	7,20	12,62	10,53	18,93	29,67		
4	t			0,36	0,54	0,71	1,00	1,43	1,75	2,04	2,56	2,92		
	J_{Max}			4,98	11,22	19,95	39,11	79,83	119,80	163,41	255,33	333,49		
	J_L			1,95	4,97	9,65	20,92	47,53	75,80	108,33	180,98	246,05		
	J			0,37	1,38	1,29	3,56	10,84	18,93	16,02	28,65	44,66		
5	t			0,36	0,54	0,71	1,00	1,43	1,75	2,04	2,56	2,92		
	J_{Max}			5,36	12,08	21,48	42,11	85,94	128,97	175,92	274,88	359,02		
	J_L			2,52	6,42	12,44	26,99	61,31	97,78	139,73	233,45	317,38		
	J			0,58	2,13	2,04	5,53	16,64	28,94	24,80	44,18	68,54		
6	t			0,36	0,54	0,71	1,00	1,43	1,75	2,04	2,56	2,92		
	J_{Max}			8,21	18,49	32,88	64,46	131,55	197,42	269,27	420,74	549,54		
	J_L			3,60	9,15	17,74	38,48	87,41	139,40	199,20	332,81	452,46		
	J			0,85	3,09	3,02	8,08	24,08	41,77	36,18	64,22	99,24		
8	t			0,36	0,54	0,71	1,00	1,43	1,75	2,04	2,56	2,92		
	J_{Max}			11,02	24,81	44,12	86,48	176,50	264,86	361,26	564,48	737,28		
	J_L			5,36	13,62	26,41	57,26	130,07	207,45	296,44	495,26	673,31		
	J			1,62	5,73	5,76	15,15	44,39	76,64	67,56	119,23	183,02		
10	t			0,36	0,54	0,71	1,00	1,43	1,75	2,04	2,56	2,92		
	J_{Max}			13,82	31,10	55,29	108,38	221,19	331,92	452,73	707,40	923,95		
	J_L			7,25	18,43	35,72	77,46	175,94	280,60	400,97	669,89	910,73		
	J			2,67	9,25	9,54	24,71	71,49	122,93	109,91	193,08	294,83		
12	t			0,36	0,54	0,71	1,00	1,43	1,75	2,04	2,56	2,92		
	J_{Max}			16,60	37,37	66,44	130,23	265,78	398,84	544,00	850,00	1110,20		
	J_L			8,90	22,64	43,88	95,16	216,14	344,71	492,58	822,95	1110,20		
	J			4,01	13,68	14,38	36,84	105,51	180,86	163,51	286,21	435,24		
16	t	0,16	0,24	0,33	0,46	0,64	0,79	0,92	1,15	1,31				
	J_{Max}	4,45	10,02	18,62	36,50	71,33	107,05	146,01	228,14	297,99				
	J_L	3,39	8,64	17,61	36,50	71,33	107,05	146,01	228,14	297,99				
	J	0,68	2,28	2,64	6,67	17,60	30,05	27,60	48,07	72,67				
20	t	0,16	0,24	0,33	0,46	0,64	0,79	0,92	1,15	1,31				
	J_{Max}	5,58	12,57	23,35	45,78	89,47	134,26	183,13	286,14	373,73				
	J_L	4,60	11,69	23,35	45,78	89,47	134,26	183,13	286,14	373,73				
	J	1,11	3,67	4,31	10,78	28,21	48,00	44,55	77,34	116,47				
24	t	0,16	0,24	0,33	0,46	0,64	0,79	0,92	1,15	1,31				
	J_{Max}	6,71	15,12	28,07	55,03	107,56	161,41	220,15	344,00	449,30				
	J_L	5,65	14,36	28,07	55,03	107,56	161,41	220,15	344,00	449,30				
	J	1,64	5,39	6,40	15,89	41,34	70,20	65,63	113,68	170,72				
30	t	0,16	0,24	0,33	0,46	0,64	0,79	0,92	1,15	1,31				
	J_{Max}	3,89	8,76	16,27	31,90	62,35	93,56	127,62	199,41	260,46				
	J_L	3,36	8,55	16,27	31,90	62,35	93,56	127,62	199,41	260,46				
	J	2,64	8,55	10,29	25,39	62,35	93,56	104,78	181,10	260,46				
36	t	0,16	0,22	0,31	0,44	0,61	0,77	0,88						
	J_{Max}	10,08	18,71	36,68	74,87	146,76	229,31	299,51						
	J_L	10,08	18,71	36,68	74,87	146,76	229,31	299,51						
	J	3,67	4,43	10,91	30,03	45,00	77,68	116,21						

RTX450

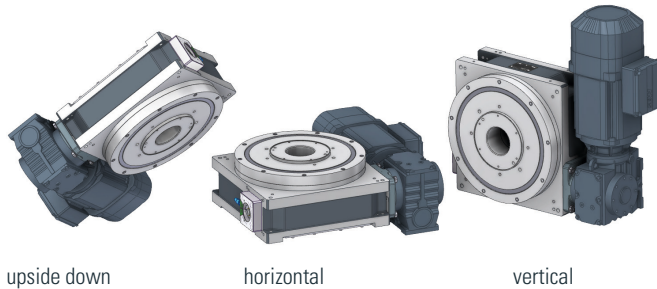
Main dimensions



* Dimensions depend on the used drive

RTX450

Fitting position

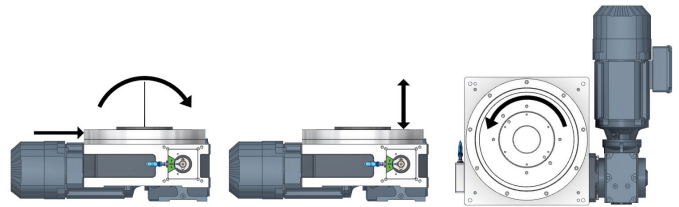


upside down

horizontal

vertical

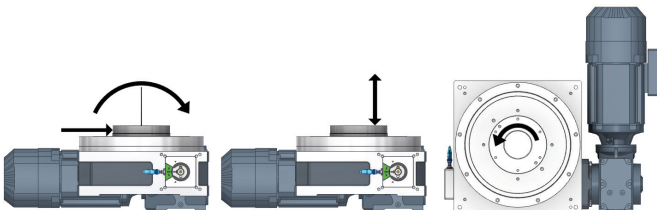
Load on output flange



Radial force F_{rA} [kN] 17,5 Axial force F_{aA} [kN] 20 Torque on output flange [Nm] 322

Tilting moment M_{kA} [kNm] 1,3

Load on central column



Radial force F_{rM} [kN] 2,7 Axial force F_{aM} [kN] 18 Torque on output flange [Nm] 77

Tilting moment M_{kM} [kNm] 0,36

Precision

Axial runout on the output flange $\varnothing$ [mm]	0,01
Runout on the output flange $\varnothing$ [mm]	0,01
Indexing accuracy * in angular seconds ["]	± 35

* Increased indexing accuracy accessible through selected components
„From division 16, the division error due to multi-point locks on the drive cam is larger by a factor of 1.5“

Combined loads and possible process forces must be confirmed by TAKTOMAT.

Dimensions

Output flange $\varnothing$	[mm]	125
Overall height (output flange screw-on surface)	[mm]	112
Center opening $\varnothing$	[mm]	22
Recommended max. size of rotating plate $\varnothing$	[mm]	800
Index table weight	[kg]	30
Number of indexes Other numbers on request	n	2, 3, 4, 6, 8, 10, 12, 16, 20, 24, 30, 36

Standard drive

Motor size		IEC63-71
Gear size (Center distance)		37 / 19
Voltage (other voltages on request)	[V]	230 / 400
Power	[kW]	0,12 – 1,5

RTX450

Load table

Speed	Step	1	2	3	4	5	6	7	8	9	10	11	12	13
n														
2	t		0,25	0,38	0,55	0,75	1,04	1,52	1,79	2,21	2,45	2,89	3,32	4,28
	J _{Max}		0,81	1,96	4,13	7,68	14,88	31,78	44,09	66,96	82,25	114,40	151,48	251,87
	J _L		0,21	0,59	1,4	2,86	6,14	14,7	21,41	34,63	43,87	64,11	88,55	158,9
	J		0,06	0,59	0,58	1,55	4,05	8,93	21,41	33,11	43,87	51,06	88,55	158,90
3	t		0,252	0,35	0,55	0,71	1,00	1,44	1,77	2,07	2,21	2,60	3,27	3,99
	J _{Max}		1,32	2,62	6,33	10,54	20,81	43,56	65,44	90,27	102,48	141,84	224,84	334,85
	J _L		0,43	0,94	2,61	4,69	10,26	24,01	38,33	55,49	64,21	93,31	158,5	250,58
	J		0,42	0,86	1,36	4,69	10,26	24,01	32,48	53,63	64,21	93,31	158,50	250,58
4	t		0,22	0,33	0,49	0,66	0,92	1,27	1,58	1,68	2,04	2,44	2,75	3,58
	J _{Max}		1,76	4,03	8,64	16,04	31,06	59,42	92,02	103,70	152,76	217,99	277,40	470,84
	J _L		0,59	1,53	3,68	7,51	16,07	33,89	56,04	64,3	100,39	151,11	199,37	366,34
	J		0,47	1,22	2,52	6,77	16,07	33,89	56,04	64,30	72,44	151,11	199,37	243,26
5	t		0,22	0,33	0,48	0,66	0,87	1,33	1,68	1,86	2,04	2,44	2,93	3,58
	J _{Max}		1,97	4,49	9,42	17,87	30,65	72,35	115,53	141,42	170,19	242,87	352,23	524,58
	J _L		0,67	1,75	4,1	8,57	15,94	42,81	73,33	92,53	114,49	172,34	264,28	417,83
	J		0,67	1,75	2,40	8,57	14,35	38,00	73,33	92,53	114,25	172,34	210,43	383,36
6	t		0,22	0,33	0,48	0,66	0,87	1,27	1,58	1,68	2,04	2,59	2,93	3,58
	J _{Max}		2,67	6,09	12,77	24,22	41,54	89,72	138,95	156,58	230,66	371,71	477,38	710,95
	J _L		1,04	2,69	6,3	13,16	24,47	59,33	98,11	112,56	175,74	304,21	405,64	641,3
	J		1,04	2,69	3,54	13,16	20,92	59,33	98,11	112,56	165,94	207,30	305,94	556,39
8	t	0,19	0,22	0,33	0,48	0,66	0,87	1,33	1,58	1,86	2,03	2,59	2,93	3,58
	J _{Max}	2,58	3,57	7,91	17,07	32,36	55,50	131,02	185,65	256,08	304,39	496,63	637,81	949,88
	J _L	1,05	1,53	3,83	9,29	19,39	36,07	96,85	144,6	209,31	255,34	448,34	597,81	945,12
	J	1,05	1,53	3,22	6,53	19,39	36,07	96,85	106,72	176,21	223,92	375,48	552,82	945,12
10	t	0,19	0,22	0,28	0,48	0,60	0,87	1,33	1,58	1,86	2,03	2,59	2,93	
	J _{Max}	3,16	4,38	7,00	21,36	33,08	69,44	163,93	232,28	320,40	380,84	621,36	798,00	
	J _L	1,38	2,02	3,46	12,51	20,7	48,57	130,42	194,71	281,86	343,83	603,71	798	
	J	1,38	2,02	3,46	10,53	20,70	48,57	130,42	170,20	280,10	343,83	595,92	798,00	
12	t	0,20	0,22	0,33	0,48	0,60	0,92	1,27	1,58	1,86	2,03	2,59	2,93	
	J _{Max}	3,74	4,76	10,54	22,75	35,23	83,52	159,75	247,41	341,26	405,64	661,82	849,97	
	J _L	1,66	2,19	5,47	13,26	21,93	59,19	124,78	206,36	298,71	364,38	639,8	849,97	
	J	1,54	2,19	5,47	13,26	21,93	47,15	124,78	206,36	298,71	364,38	639,80	849,97	
16	t			0,16	0,23	0,32	0,44	0,64	0,75	0,92	1,03	1,24	1,41	
	J _{Max}			3,60	7,95	15,57	28,58	61,05	82,13	124,73	157,96	226,51	293,74	
	J _L			2,79	6,95	15,06	28,58	61,05	82,13	124,73	157,96	226,51	293,74	
	J			0,98	3,30	3,91	20,66	45,31	71,13	112,56	157,96	226,51	254,11	
20	t			0,16	0,23	0,32	0,44	0,64	0,84	0,91	1,03	1,24	1,41	
	J _{Max}			4,51	9,95	19,49	35,77	76,41	129,73	154,20	197,71	283,51	367,66	
	J _L			3,76	9,36	19,49	35,77	76,41	129,73	154,2	197,71	283,51	367,66	
	J			1,58	5,28	6,35	32,72	71,72	106,69	135,00	162,11	283,51	367,66	
24	t			0,16	0,23	0,32	0,44	0,61	0,76	0,91	1,03	1,22	1,41	
	J _{Max}			4,80	10,60	20,77	38,11	74,47	112,90	164,27	210,62	292,94	391,66	
	J _L			3,99	9,9	20,77	38,11	74,47	112,9	164,27	210,62	292,94	391,66	
	J			2,34	7,74	9,40	38,11	63,28	112,90	164,27	210,62	292,94	391,66	
30	t			0,16	0,23	0,32	0,43	0,64	0,76	0,91	1,03	1,24	1,40	
	J _{Max}			6,01	13,26	25,97	46,23	101,80	141,19	205,44	263,40	377,71	485,08	
	J _L			5,35	13,26	25,97	46,23	101,8	141,19	205,44	263,4	377,71	485,08	
	J			3,75	12,29	15,05	46,23	101,80	141,19	205,44	263,40	377,71	485,08	
36	t			0,16	0,21	0,29	0,43	0,56	0,61	0,65	0,82	0,93		
	J _{Max}			7,96	14,34	28,64	61,17	103,86	124,99	139,12	226,99	291,52		
	J _L			7,96	14,34	28,64	61,17	103,86	124,99	139,12	226,99	291,52		
	J			5,25	9,03	28,64	61,17	103,86	124,99	139,12	226,99	291,52		

n = Number of stops / 360°
revolution of output flange
t = Step time in [s]

J_{Max} = Mass moment of inertia
(base plate + fixtures and parts) in [Kg·m²]
Without motor and lifetime

J_L = Mass moment of inertia by life time
(base plate + fixtures and parts) in [Kg·m²]

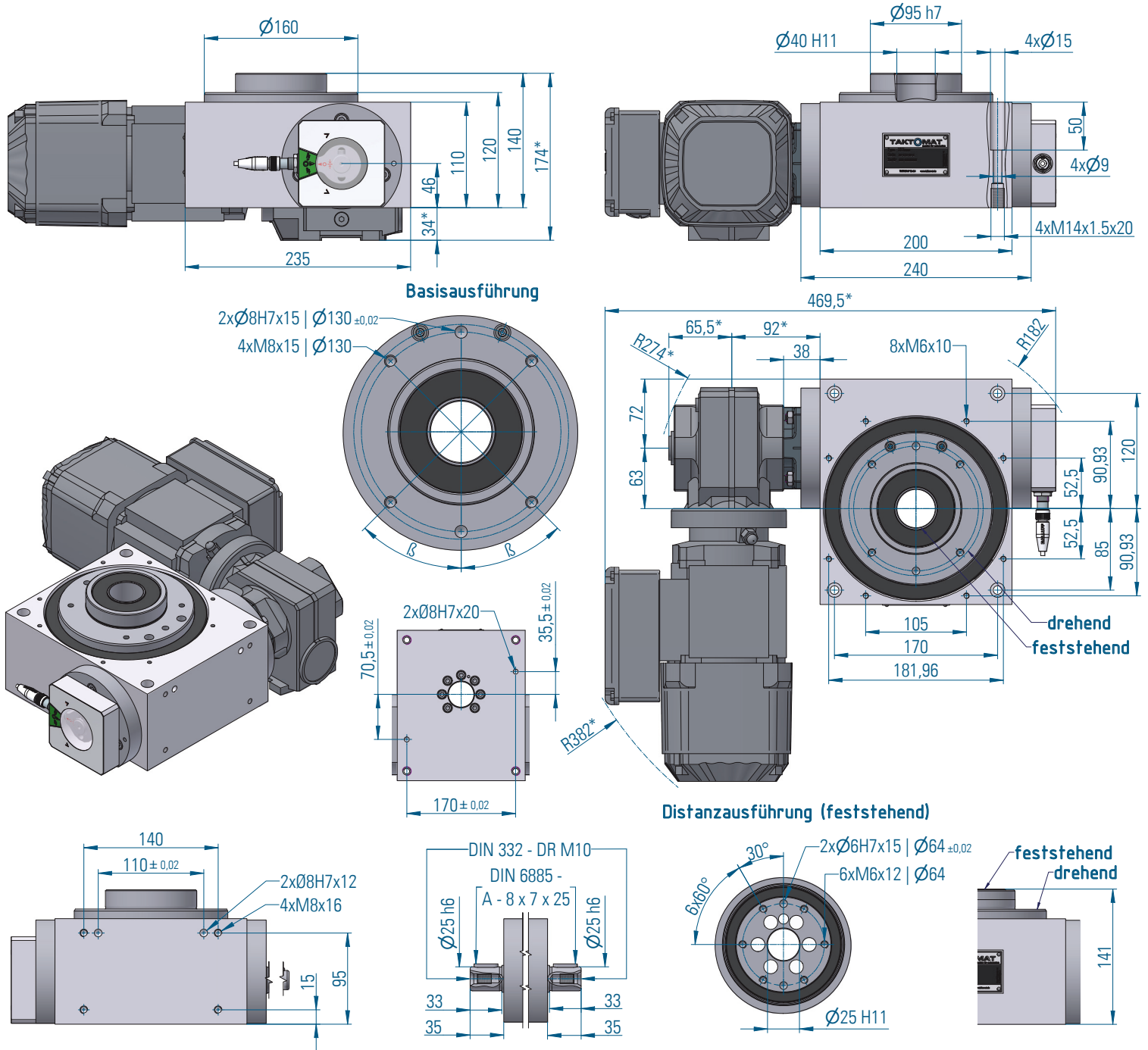
J = Mass moment of inertia with motor
(base plate + fixtures and parts) in [Kg·m²]

From n=16 The output flange steps
2 times per cam revolution

From n=36 The output flange steps
3 times per cam revolution

RTX550

Main dimensions



Position of the hole pattern in the output flange

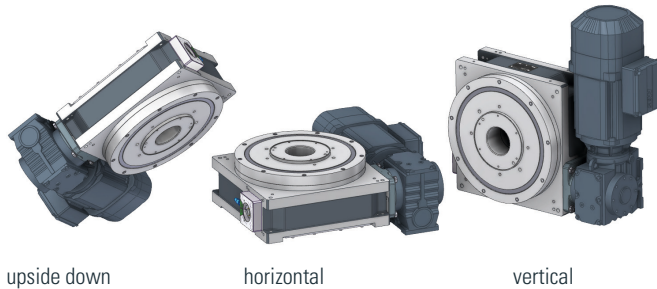
Stop number	Quantity bolts	Angle β	Torsion fitting holes
2; 4; 6; 8; 16	6-8	45°	—
3	9	30°	one-sided 10°CCW
5; 10	10	36°	—
12; 36	12	30°	—

Further stop numbers you can find in the RTF/RTX550 dimension sheet at our website.

* Dimensions depend on the used drive

RTX550

Fitting position

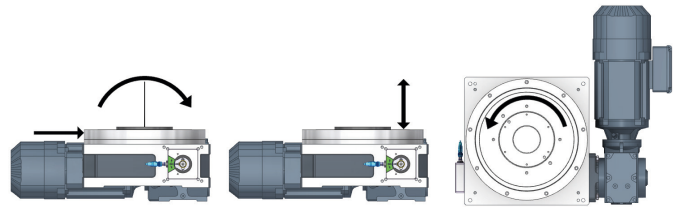


upside down

horizontal

vertical

Load on output flange



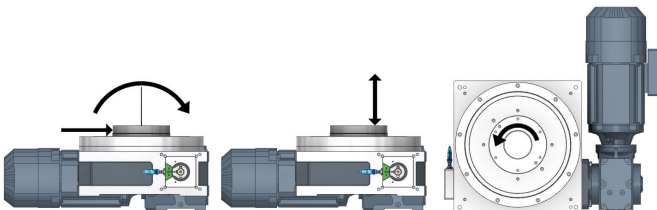
Radial force F_{rA} [kN] 23

Axial force F_{aA} [kN] 18,4

Torque on output flange [Nm] 508

Tilting moment M_{kA} [kNm] 1,0

Load on central column



Radial force F_{rM} [kN] 2,7

Axial force F_{aM} [kN] 18

Torque on output flange [Nm] 77

Tilting moment M_{kM} [kNm] 0,36

Precision

Axial runout on the output flange ϕ [mm]	0,015
Runout on the output flange ϕ [mm]	0,015
Indexing accuracy * in angular seconds ["]	± 30

* Increased indexing accuracy accessible through selected components
„From division 16, the division error due to multi-point locks on the drive cam is larger by a factor of 1.5“

Combined loads and possible process forces must be confirmed by TAKTOMAT.

Dimensions

Output flange ϕ	[mm]	160
Overall height (output flange screw-on surface)	[mm]	120
Center opening ϕ	[mm]	40
Recommended max. size of rotating plate ϕ	[mm]	1000
Index table weight	[kg]	24
Number of indexes Other numbers on request	n	2, 3, 4, 6, 8, 10, 12, 16, 20, 24, 30, 36

Standard drive

Motor size		IEC63 - 71
Gear size (Center distance)		37 / 19
Voltage (other voltages on request)	[V]	230 / 400
Power	[kW]	0,12 – 1,5

RTX550 Load table



n = Number of stops / 360°
revolution of output flange
t = Step time in [s]

J_{Max} = Mass moment of inertia
(base plate + fixtures and parts) in [Kgm²]
Without motor and lifetime

J_L = Mass moment of inertia by life time
(base plate + fixtures and parts) in [Kgm²]

J = Mass moment of inertia with motor
(base plate + fixtures and parts) in [Kgm²]

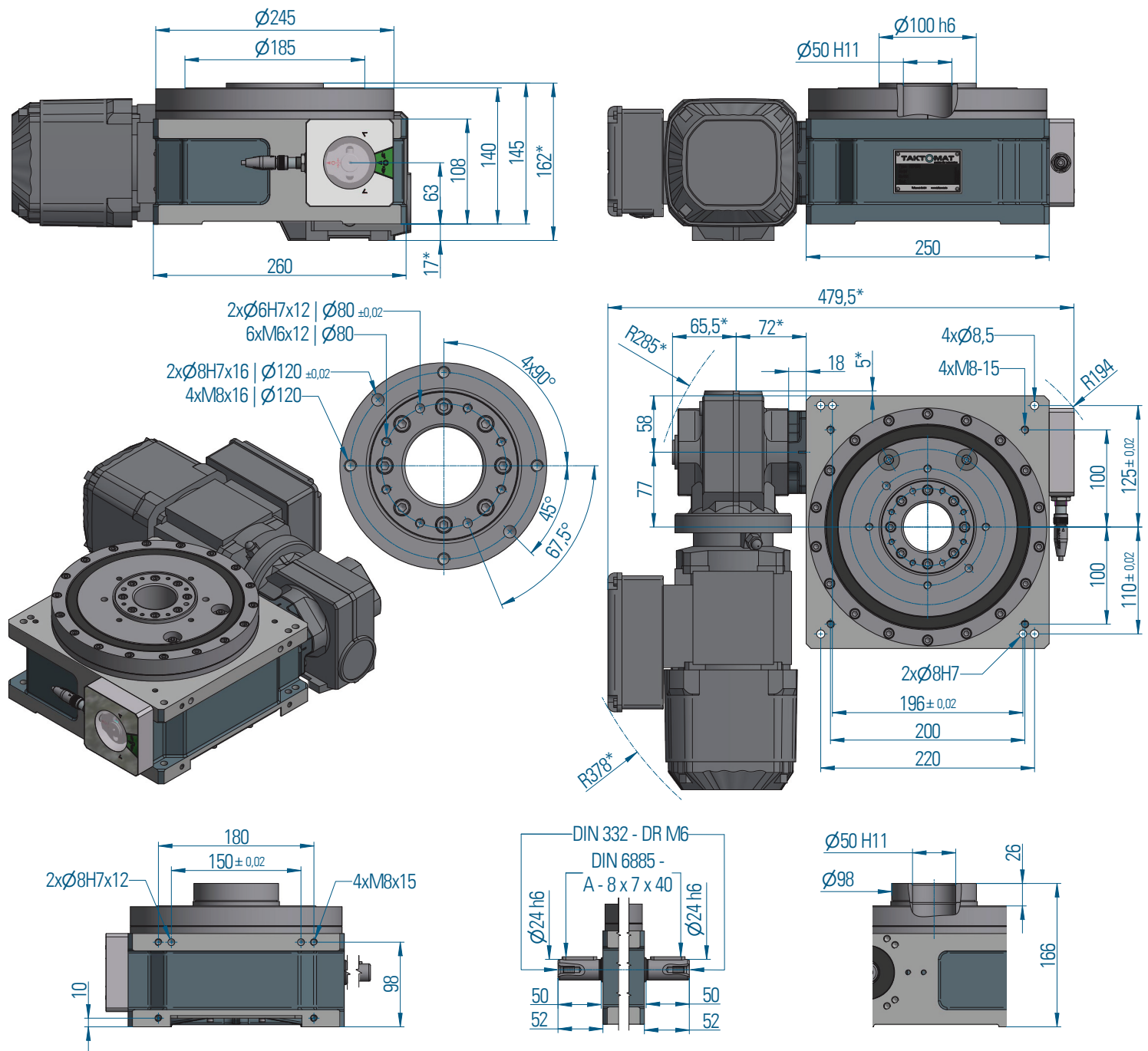
From n=16 The output flange steps
2 times per cam revolution

From n=36 The output flange steps
3 times per cam revolution

Speed	Step	1	2	3	4	5	6	7	8	9	10	11	12	13
n														
2	t			0,55	0,77	1,04	1,52	1,79	2,11	2,30	2,89	3,32		
	J_{Max}			5,46	10,70	19,66	42,00	58,26	80,37	95,54	151,19	200,20		
	J_L			1,71	3,73	7,51	18,01	26,25	38,00	46,37	78,62	108,58		
	J			0,36	2,28	3,30	7,33	19,76	31,58	41,58	45,47	105,27		
3	t			0,54	0,72	1,00	1,44	1,77	1,98	2,21	2,89			
	J_{Max}			8,89	15,55	30,13	63,09	94,78	119,62	148,42	253,57			
	J_L			3,00	5,72	12,26	28,70	45,83	59,90	76,78	142,15			
	J			0,32	5,72	12,26	21,42	26,52	59,90	64,55	98,52			
4	t		0,36	0,52	0,73	0,98	1,43	1,68	1,97	2,30	2,75			
	J_{Max}		5,38	11,33	22,45	40,76	87,08	120,79	166,61	225,34	323,14			
	J_L		2,20	5,20	11,42	22,69	54,34	79,16	114,60	162,18	245,49			
	J		2,01	1,45	2,43	11,69	25,86	67,45	107,25	162,18	239,92			
5	t		0,36	0,56	0,72	0,98	1,45	1,68	2,12	2,30	2,75			
	J_{Max}		6,76	16,99	27,89	51,19	112,73	151,66	241,19	282,94	405,73			
	J_L		3,00	8,69	15,37	30,91	76,64	107,79	183,79	220,82	334,25			
	J		3,00	5,83	12,80	18,82	67,79	106,98	149,62	220,82	334,25			
6	t		0,36	0,56	0,72	0,98	1,43	1,68	2,07	2,30	2,75			
	J_{Max}		11,02	27,69	45,43	83,37	178,07	246,99	375,13	460,77	660,73			
	J_L		5,15	14,86	26,28	52,83	126,45	184,21	297,88	377,35	571,17			
	J		4,48	8,15	17,75	26,23	57,87	147,27	222,49	377,35	520,14			
8	t		0,36	0,52	0,73	0,98	1,43	1,68	2,07					
	J_{Max}		14,74	31,01	61,42	111,48	238,11	330,26	501,59					
	J_L		7,62	17,93	39,35	78,12	186,97	272,37	440,44					
	J		7,62	6,81	11,75	48,72	107,33	267,99	404,90					
10	t		0,31	0,48	0,60	0,87	1,27	1,58	1,86					
	J_{Max}		14,34	33,72	52,23	109,66	236,85	366,81	505,97					
	J_L		7,69	20,57	34,03	79,87	193,64	320,23	463,55					
	J		7,69	8,71	18,39	54,47	73,29	150,52	252,95					
12	t		0,33	0,48	0,60	0,87	1,27	1,58						
	J_{Max}		15,01	32,40	50,18	105,35	227,55	352,40						
	J_L		8,12	19,69	32,57	76,44	185,32	306,47						
	J		6,61	13,35	27,72	76,44	111,12	225,39						
16	t	0,23	0,32	0,44	0,64	0,76	0,89	1,03						
	J_{Max}	12,54	24,57	45,10	96,33	133,62	184,31	249,28						
	J_L	11,41	24,57	45,10	96,33	133,62	184,31	249,28						
	J	3,00	12,91	19,61	43,08	102,90	161,35	249,28						
20	t	0,23	0,32	0,44	0,64	0,84	0,92	1,03						
	J_{Max}	12,56	23,32	45,18	96,51	163,86	197,20	249,74						
	J_L	11,54	23,32	45,18	96,51	163,86	197,20	249,74						
	J	4,96	12,49	31,56	69,27	102,54	172,78	249,74						
24	t	0,23	0,32	0,44	0,64	0,76	0,91	1,03						
	J_{Max}	15,09	28,02	54,27	115,92	160,79	233,95	299,96						
	J_L	14,71	28,02	54,27	115,92	160,79	233,95	299,96						
	J	7,40	18,48	46,38	101,73	160,79	191,29	299,96						
30	t	0,23	0,32	0,44	0,61	0,71	0,88	1,03						
	J_{Max}	18,88	35,05	67,89	132,67	178,48	271,08	375,21						
	J_L	18,88	35,05	67,89	132,67	178,48	271,08	375,21						
	J	11,98	29,62	67,89	98,10	148,04	234,82	366,41						
36	t	0,15	0,21	0,29	0,43	0,50	0,61	0,65	0,82					
	J_{Max}	9,75	18,11	36,17	77,28	107,19	155,97	175,76	286,77					
	J_L	9,75	18,11	36,17	77,28	107,19	155,97	175,76	286,77					
	J	3,38	8,88	31,69	69,46	107,19	130,89	175,76	286,77					

RTX650

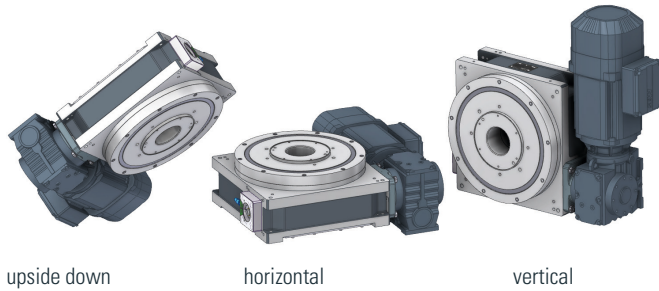
Main dimensions



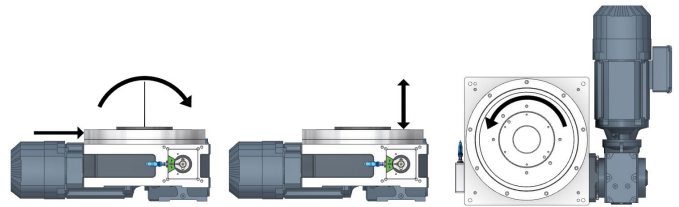
* Dimensions depend on the used drive

RTX650

Fitting position



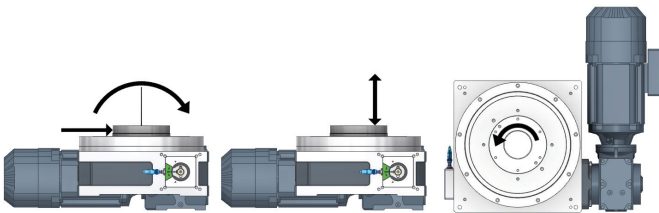
Load on output flange



Radial force F_{rA} [kN] 20 Axial force F_{aA} [kN] 22,5 Torque on output flange [Nm] 833

Tilting moment M_{kA} [kNm] 2,3

Load on central column



Radial force F_{rM} [kN] 4,1 Axial force F_{aM} [kN] 14 Torque on output flange [Nm] 170

Tilting moment M_{kM} [kNm] 0,85

Precision

Axial runout on the output flange σ [mm]	0,01
Runout on the output flange σ [mm]	0,01
Indexing accuracy * in angular seconds ["]	± 25

* Increased indexing accuracy accessible through selected components
„From division 16, the division error due to multi-point locks on the drive cam is larger by a factor of 1.5“

Combined loads and possible process forces must be confirmed by TAKTOMAT.

Dimensions

Output flange σ	[mm]	185
Overall height (output flange screw-on surface)	[mm]	140
Center opening σ	[mm]	50
Recommended max. size of rotating plate σ	[mm]	1300
Index table weight	[kg]	38
Number of indexes Other numbers on request	n	2, 3, 4, 6, 8, 10, 12, 16, 20, 24, 30, 36

Standard drive

Motor size		IEC71 / 80
Gear size (Center distance)		37 / 19
Voltage (other voltages on request)	[V]	230 / 400
Power	[kW]	0,12 – 1,5

RTX650

Load table

Speed	Step	1	2	3	4	5	6	7	8	9	10	11	12	13
n														
2	t		0,25	0,38	0,55	0,75	1,04	1,52	1,79	2,08	2,45	2,93	3,32	4,28
	J _{Max}		2,23	5,20	10,98	20,52	39,56	84,52	117,24	158,02	218,73	313,67	402,85	669,83
	J _L		0,65	1,77	4,22	8,68	18,49	44,31	64,56	91,01	132,28	200,24	267,00	479,16
	J		0,19	0,51	0,30	3,05	3,03	6,77	18,59	38,56	63,19	67,10	99,76	140,48
3	t		0,23	0,35	0,55	0,71	1,00	1,42	1,77	1,98	2,26	2,76	3,13	4,05
	J _{Max}		3,53	8,26	19,98	33,25	65,66	133,35	206,53	260,65	338,64	505,51	649,23	1089,56
	J _L		1,09	2,94	8,16	14,68	32,13	72,59	120,06	156,90	212,02	336,11	448,18	812,91
	J		0,40	0,63	0,83	8,91	17,97	13,74	27,40	95,60	61,93	51,41	78,82	426,00
4	t		0,22	0,31	0,49	0,66	0,92	1,33	1,66	1,94	2,12	2,44	2,93	3,58
	J _{Max}		3,05	6,23	15,01	28,18	54,04	113,00	175,02	241,42	286,97	379,36	550,19	819,40
	J _L		1,08	2,48	6,84	14,14	29,92	69,91	115,63	167,40	204,21	281,49	431,67	682,47
	J		0,35	1,27	2,03	13,24	15,60	20,89	41,29	69,98	92,59	171,50	119,05	224,80
5	t		0,22	0,31	0,49	0,66	0,92	1,33	1,66	1,94	2,12	2,44	2,75	3,58
	J _{Max}		4,16	8,48	21,02	37,91	73,43	153,55	237,82	328,05	389,94	515,47	655,96	1113,38
	J _L		1,48	3,39	9,66	19,06	40,78	95,28	157,59	228,13	278,29	383,61	506,13	930,03
	J		0,56	1,95	5,68	9,14	23,49	31,80	62,43	105,30	139,01	256,13	354,02	338,58
6	t		0,22	0,33	0,49	0,67	0,92	1,27	1,58	1,86	2,03	2,59	2,93	3,58
	J _{Max}		5,01	11,13	24,57	46,98	88,38	169,06	261,84	361,18	429,32	700,48	899,62	1339,79
	J _L		1,91	4,82	12,01	25,33	52,41	110,53	182,80	264,62	322,81	566,83	755,81	1194,93
	J		0,86	1,22	4,73	22,60	34,48	21,71	46,97	81,12	104,56	176,32	266,16	497,17
8	t	0,20	0,22	0,33	0,49	0,66	0,92	1,33	1,66	1,94	2,07	2,44	3,07	
	J _{Max}	5,27	6,71	14,89	32,86	61,00	118,15	247,03	382,58	527,71	599,07	829,19	1314,39	
	J _L	2,15	2,84	7,13	17,74	36,16	77,36	180,67	298,80	432,53	500,44	727,30	1235,35	
	J	0,33	1,67	2,45	8,98	25,08	63,31	87,98	169,95	283,51	400,91	677,60	895,26	
10	t	0,20	0,23	0,33	0,48	0,66	0,87	1,27	1,58	1,86	2,03	2,59	2,93	
	J _{Max}	6,61	9,16	18,64	40,26	76,35	130,95	282,85	438,05	604,24	718,23	1171,84	1504,97	
	J _L	2,90	4,24	9,62	23,34	48,74	90,64	219,77	363,45	526,11	641,80	1126,91	1502,62	
	J	0,65	1,21	4,19	8,42	40,55	53,55	71,32	147,48	248,76	318,30	535,18	797,63	
12	t	0,20	0,22	0,33	0,49	0,66	0,92	1,33	1,66	1,94	2,12	2,40	2,93	
	J _{Max}	7,94	10,11	22,39	49,39	91,69	177,55	371,20	574,88	792,97	942,58	1208,51	1807,03	
	J _L	3,71	4,90	12,26	30,48	62,09	132,77	310,07	512,77	742,26	905,46	1205,02	1807,03	
	J	1,09	4,19	6,44	22,18	60,04	132,77	212,45	404,82	668,83	874,78	1048,87	1180,64	
16	t			0,17	0,23	0,32	0,47	0,64	0,76	0,89	1,03	1,24	1,40	
	J _{Max}			7,73	14,96	29,34	61,38	115,06	159,60	220,15	297,75	426,98	548,37	
	J _L			6,05	12,94	28,06	61,38	115,06	159,60	220,15	297,75	426,98	548,37	
	J			1,60	2,94	12,81	36,93	42,74	102,43	160,70	297,75	355,27	519,99	
20	t			0,16	0,23	0,32	0,44	0,64	0,76	0,89	0,97	1,22	1,40	
	J _{Max}			8,48	18,74	34,81	67,44	144,06	199,83	275,64	327,65	518,51	686,57	
	J _L			7,01	17,44	34,81	67,44	144,06	199,83	275,64	327,65	518,51	686,57	
	J			1,39	4,89	12,39	31,37	68,88	162,95	255,10	327,65	381,81	686,57	
24	t			0,16	0,23	0,32	0,44	0,64	0,76	0,91	0,97	1,22	1,41	
	J _{Max}			10,20	22,52	44,13	81,00	173,02	239,99	349,20	393,50	622,72	832,59	
	J _L			8,93	22,21	44,13	81,00	173,02	239,99	349,20	393,50	622,72	832,59	
	J			2,14	7,34	30,18	46,19	101,33	237,62	190,50	393,50	557,49	568,89	
30	t			0,16	0,23	0,32	0,44	0,64	0,76	0,91	0,97	1,22	1,38	
	J _{Max}			12,76	28,17	55,20	101,32	216,42	300,18	436,77	492,19	778,89	1000,32	
	J _L			12,00	28,17	55,20	101,32	216,42	300,18	436,77	492,19	778,89	1000,32	
	J			3,56	11,91	48,01	73,73	161,64	300,18	304,31	492,19	778,89	1000,32	
36	t				0,16	0,21	0,29	0,44	0,50	0,59	0,69	0,82	0,93	1,21
	J _{Max}				15,00	27,87	53,99	118,92	160,00	220,71	298,50	428,05	549,75	914,08
	J _L				15,00	27,87	53,99	118,92	160,00	220,71	298,50	428,05	549,75	914,08
	J				5,14	12,70	31,63	104,04	160,00	220,71	157,11	428,05	549,75	914,08

n = Number of stops / 360°
revolution of output flange
t = Step time in [s]

J_{Max} = Mass moment of inertia
(base plate + fixtures and parts) in [Kgm²]
Without motor and lifetime

J_L = Mass moment of inertia by life time
(base plate + fixtures and parts) in [Kgm²]

J = Mass moment of inertia with motor
(base plate + fixtures and parts) in [Kgm²]

From n=16 The output flange steps
2 times per cam revolution

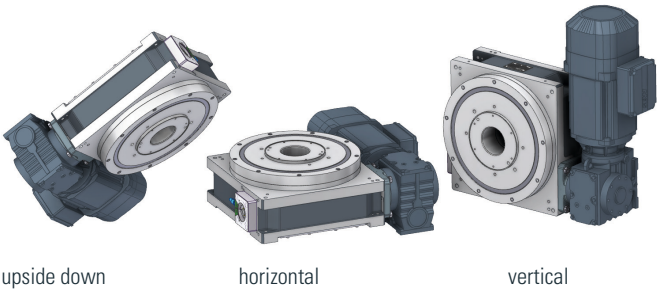
From n=36 The output flange steps
3 times per cam revolution

[illegible]

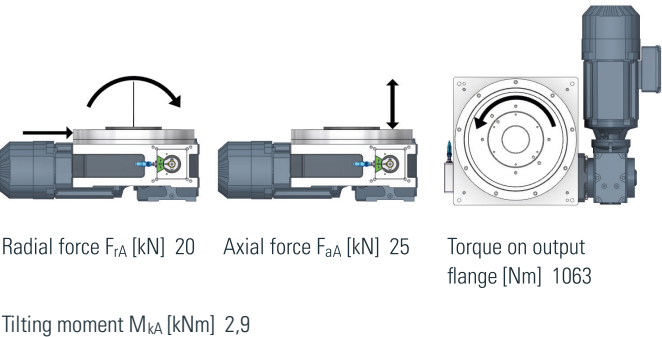
* Dimensions depend on the used drive

RTX750

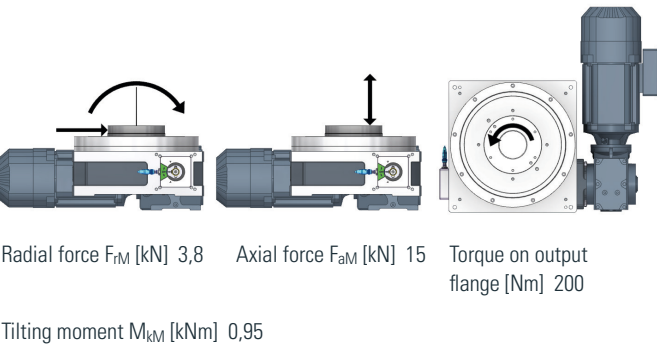
Fitting position



Load on output flange



Load on central column



Precision

Axial runout on the output flange $\varnothing$ [mm]	0,01
Runout on the output flange $\varnothing$ [mm]	0,01
Indexing accuracy * in angular seconds ["]	± 20

* Increased indexing accuracy accessible through selected components
„From division 16, the division error due to multi-point locks on the drive cam is larger by a factor of 1.5“

Combined loads and possible process forces must be confirmed by TAKTOMAT.

Dimensions

Output flange $\varnothing$	[mm]	240
Overall height (output flange screw-on surface)	[mm]	160
Center opening $\varnothing$	[mm]	60
Recommended max. size of rotating plate $\varnothing$	[mm]	1800
Index table weight	[kg]	85
Number of indexes Other numbers on request	n	2, 3, 4, 6, 8, 10, 12, 16, 20, 24, 30, 36

Standard drive

Motor size		IEC71 / 80
Gear size (Center distance)		47 / 57
Voltage (other voltages on request)	[V]	230 / 400
Power	[kW]	0,18 – 2,2

RTX750

Load table



n = Number of stops / 360°
revolution of output flange
t = Step time in [s]

J_{Max} = Mass moment of inertia
(base plate + fixtures and parts) in [Kgm²]
Without motor and lifetime

J_L = Mass moment of inertia by life time
(base plate + fixtures and parts) in [Kgm²]

J = Mass moment of inertia with motor
(base plate + fixtures and parts) in [Kgm²]

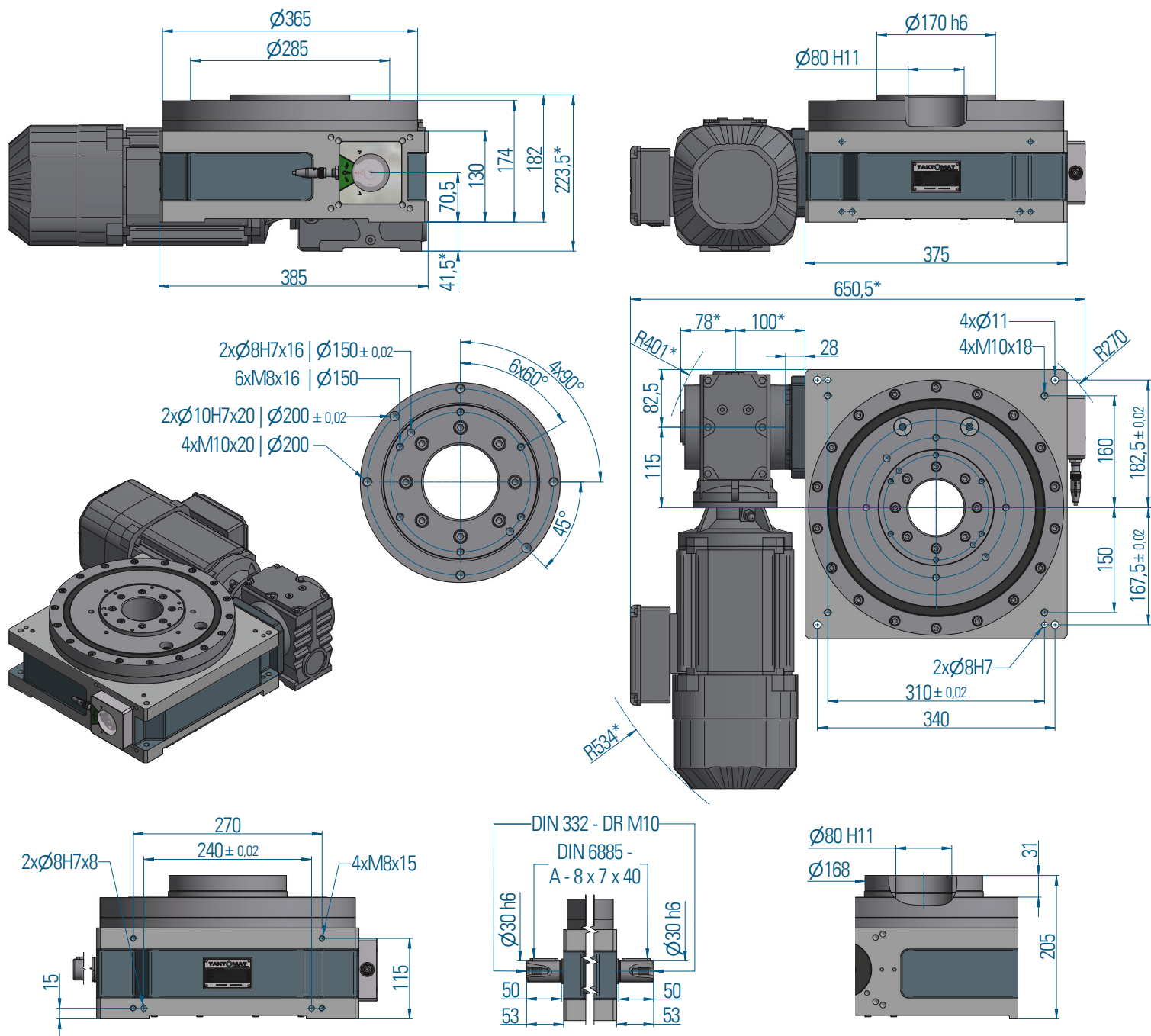
From n=16 The output flange steps
2 times per cam revolution

From n=36 The output flange steps
3 times per cam revolution

Speed	Step	1	2	3	4	5	6	7	8	9	10	11	12	13
n														
2	t			0,34	0,60	0,71	1,06	1,42	1,76	2,10	2,37	3,12	3,55	4,17
	J_{Max}			6,03	19,07	26,67	59,37	105,44	162,73	231,33	295,91	513,05	661,92	916,99
	J_L			1,66	6,47	9,55	24,08	46,68	76,94	115,33	153,09	288,31	386,48	562,26
	J			0,22	3,73	8,70	20,65	32,97	43,89	89,27	108,55	210,89	198,33	329,68
3	t			0,34	0,52	0,71	1,06	1,42	1,75	2,03	2,41	2,70	3,19	4,17
	J_{Max}			9,57	22,47	42,06	93,55	166,08	254,51	341,13	479,26	606,17	842,74	1443,88
	J_L			3,17	8,58	17,73	44,55	86,26	140,96	197,45	291,93	382,49	558,73	1037,84
	J			0,68	5,49	17,73	44,55	75,10	139,70	154,13	167,76	203,45	212,79	748,53
4	t			0,32	0,49	0,67	0,86	1,36	1,57	1,68	1,97	2,45	2,93	3,91
	J_{Max}			12,25	28,73	53,75	88,99	222,85	298,19	341,48	465,30	724,09	1031,78	1844,05
	J_L			4,26	11,47	23,64	42,27	121,59	169,99	198,68	283,59	471,62	708,72	1381,96
	J			1,05	7,76	23,64	27,21	30,17	48,30	60,40	282,02	296,01	665,27	1042,05
5	t			0,32	0,49	0,61	0,86	1,33	1,54	1,90	1,97	2,45	2,93	3,91
	J_{Max}			15,02	36,21	56,67	112,11	269,08	360,05	548,79	586,07	912,02	1299,55	2322,60
	J_L			5,68	15,76	26,42	57,97	158,75	221,93	360,36	388,66	646,32	971,21	1893,77
	J			4,42	12,38	15,84	43,16	118,23	181,14	338,61	388,66	467,27	971,21	1640,19
6	t			0,32	0,49	0,67	0,86	1,33	1,54	1,90	1,97	2,45	2,97	3,91
	J_{Max}			18,26	43,63	82,27	135,04	321,85	433,65	660,95	705,85	1098,40	1609,68	2797,22
	J_L			7,41	20,30	42,16	74,59	202,58	285,46	463,50	499,89	831,27	1290,10	2435,62
	J			4,51	18,12	42,16	62,98	202,58	263,35	463,50	499,89	679,15	1031,46	2377,78
8	t			0,32	0,50	0,62	0,90	1,36	1,61	1,72	1,99	2,44	2,99	3,94
	J_{Max}			25,16	60,05	94,63	198,18	452,28	631,86	723,57	963,02	1459,38	2184,00	3795,20
	J_L			11,36	31,01	52,35	122,57	316,65	465,14	543,60	755,20	1218,09	1936,54	3656,01
	J			3,41	14,90	18,82	20,70	134,09	148,00	184,92	285,13	444,50	1258,35	2867,23
10	t			0,32	0,50	0,62	0,88	1,18	1,61	1,72	1,99	2,44	2,99	
	J_{Max}			31,52	77,34	118,48	237,62	426,68	790,98	905,79	1205,53	1826,86	2733,93	
	J_L			15,35	43,20	70,59	157,20	308,23	626,85	732,58	1017,73	1641,50	2609,67	
	J			5,83	15,76	31,11	55,54	90,66	242,26	301,53	462,25	719,86	2004,02	
12	t			0,33	0,43	0,62	0,90	1,18	1,61	1,72	1,99	2,44	2,99	
	J_{Max}			39,52	67,05	142,31	297,97	512,43	949,92	1087,79	1447,75	2193,91	3283,21	
	J_L			20,57	37,82	89,95	210,46	392,63	798,47	933,14	1296,34	2090,86	3283,21	
	J			2,72	13,75	46,84	55,81	137,74	362,13	449,40	685,85	1067,19	2931,55	
16	t	0,17	0,23	0,33	0,46	0,63	0,77	0,89	1,02	1,34	1,50	2,04		
	J_{Max}	13,88	26,39	51,64	105,19	190,98	292,65	389,52	509,6	871,03	1092,65	2025,85		
	J_L	10,35	21,69	46,96	105,19	190,98	292,65	389,52	509,60	871,03	1092,65	2025,85		
	J	2,58	1,7	7,96	22,47	39,45	76,01	115,32	249,13	701,43	973,6	2025,85		
20	t	0,17	0,26	0,33	0,48	0,63	0,77	0,89	1,04	1,35	1,50	2,04		
	J_{Max}	17,42	42,42	64,7	137,6	239,22	363,92	484,37	661,64	1106,57	1368,56	2537,37		
	J_L	13,99	38,97	63,32	137,60	239,22	363,92	484,37	661,64	1106,57	1368,56	2537,37		
	J	4,3	6,95	13,24	26,75	64,43	76,6	116,31	196,99	767,59	1368,56	2537,37		
24	t	0,17	0,23	0,33	0,47	0,62	0,77	0,89	1,04	1,35	1,51	2,04		
	J_{Max}	20,94	39,48	77,75	164,13	285,32	437,2	581,89	794,85	1329,33	1667,55	3048,14		
	J_L	17,84	37,01	77,75	164,13	285,32	437,20	581,89	794,85	1329,33	1667,55	3048,14		
	J	6,45	3,01	19,87	27,01	59,93	114,59	173,16	291,39	1118,22	1526,05	3048,14		
30	t	0,15	0,23	0,33	0,48	0,62	0,77	0,89	1,04	1,32	1,51	2,04		
	J_{Max}	20,84	49,42	97,29	206,84	356,95	546,94	727,94	994,33	1594,13	2086,02	3813,07		
	J_L	18,41	49,42	97,29	206,84	356,95	546,94	727,94	994,33	1594,13	2086,02	3813,07		
	J	1,96	5,36	32,27	65,3	97,94	185,59	279,26	467,15	1594,13	2086,02	3813,07		
36	t	0,12	0,16	0,32	0,42	0,51	0,59	0,69	0,78	0,92	1,20	2,01		
	J_{Max}	15,18	26,47	109,38	190,18	291,43	387,89	529,87	675,06	925,29	1596,33	4446,48		
	J_L	15,18	26,47	109,38	190,18	291,43	387,89	529,87	675,06	925,29	1596,33	4446,48		
	J	1,46	3,61	19,5	42,53	80,27	120,54	201,03	353,4	550,44	802,71	3629,7		

RTX900

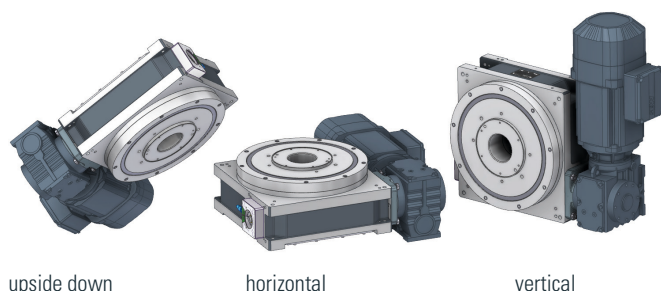
Main dimensions



* Dimensions depend on the used drive

RTX900

Fitting position

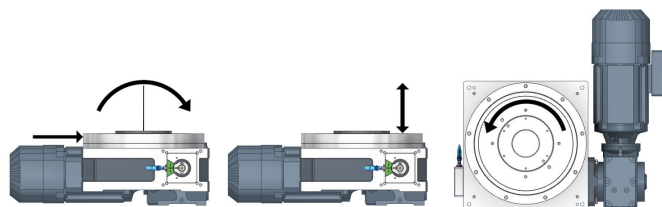


upside down

horizontal

vertical

Load on output flange



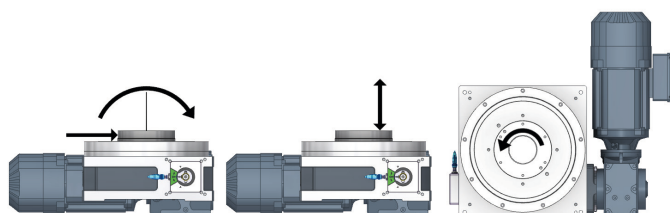
Radial force F_{rA} [kN] 22

Axial force F_{aA} [kN] 25

Torque on output flange [Nm] 1572

Tilting moment M_{kA} [kNm] 3,5

Load on central column



Radial force F_{rM} [kN] 7

Axial force F_{aM} [kN] 25

Torque on output flange [Nm] 450

Tilting moment M_{kM} [kNm] 2,2

Precision

Axial runout on the output flange ϕ [mm]	0,01
Runout on the output flange ϕ [mm]	0,01
Indexing accuracy * in angular seconds ["]	± 16

* Increased indexing accuracy accessible through selected components
„From division 16, the division error due to multi-point locks on the drive cam is larger by a factor of 1.5“

Combined loads and possible process forces must be confirmed by TAKTOMAT.

Dimensions

Output flange ϕ	[mm]	285
Overall height (output flange screw-on surface)	[mm]	174
Center opening ϕ	[mm]	80
Recommended max. size of rotating plate ϕ	[mm]	2200
Index table weight	[kg]	125
Number of indexes Other numbers on request	n	2, 3, 4, 6, 8, 10, 12, 16, 20, 24, 30, 36

Standard drive

Motor size		IEC71 / 90
Gear size (Center distance)		47 / 57
Voltage (other voltages on request)	[V]	230 / 400
Power	[kW]	0,25 – 3

RTX900 Load table

n = Number of stops / 360°
revolution of output flange
t = Step time in [s]

J_{Max} = Mass moment of inertia
(base plate + fixtures and parts) in [Kgm²]
Without motor and lifetime

J_L = Mass moment of inertia by life time
(base plate + fixtures and parts) in [Kgm²]

J = Mass moment of inertia with motor
(base plate + fixtures and parts) in [Kgm²]

From n=16 The output flange steps
2 times per cam revolution

From n=36 The output flange steps
3 times per cam revolution

Speed	Step	1	2	3	4	5	6	7	8	9	10	11	12	13
n														
2	t	0,48	0,56	0,75	1,07	1,50	1,86	2,14	2,46	3,11	3,48	4,34		
	J_{Max}	14,22	19,78	35,40	73,78	143,96	220,69	293,78	389,02	620,71	778,67	1209,43		
	J_L	4,27	6,31	12,47	29,20	63,15	103,29	143,57	198,34	339,51	440,68	731,27		
	J	0,14	0,61	6,58	12,60	25,14	49,80	76,57	198,34	284,24	390,54	539,37		
3	t	0,48	0,53	0,69	0,97	1,48	1,71	2,11	2,47	2,68	3,11	4,10		
	J_{Max}	22,93	28,38	48,88	96,83	224,32	300,20	457,63	625,16	739,55	995,41	1729,88		
	J_L	8,17	10,48	19,71	43,42	114,30	159,84	259,63	371,71	450,96	634,68	1198,38		
	J	0,72	2,63	4,28	13,66	31,27	51,61	102,68	173,68	224,32	634,68	1198,38		
4	t	0,32	0,49	0,61	0,91	1,33	1,63	1,74	2,01	2,47	2,92	4,01		
	J_{Max}	15,55	36,57	57,29	127,22	270,58	405,97	464,92	618,83	937,86	1307,20	2473,53		
	J_L	6,50	17,60	29,57	74,17	176,78	281,92	329,51	457,83	738,55	1081,99	2252,94		
	J	0,59	7,01	8,85	20,74	104,72	136,37	169,34	258,87	405,35	947,13	1081,23		
5	t	0,32	0,49	0,65	0,90	1,25	1,60	1,71	1,98	2,45	2,76	3,62		
	J_{Max}	22,74	54,45	93,63	179,92	348,82	573,92	657,24	874,78	1346,56	1703,12	2928,34		
	J_L	9,16	25,22	47,15	100,07	214,38	380,14	444,28	617,28	1013,74	1328,17	2477,09		
	J	1,12	6,59	10,60	17,03	28,68	118,41	148,04	232,18	276,64	333,49	794,00		
6	t	0,32	0,45	0,64	0,90	1,25	1,68	1,79	1,98	2,45	2,67	3,62		
	J_{Max}	27,47	53,14	109,68	216,98	420,62	756,37	866,17	1054,76	1623,57	1920,58	3530,68		
	J_L	11,89	25,54	58,91	129,22	276,74	543,50	635,19	796,70	1308,35	1587,20	3196,86		
	J	1,89	3,82	7,73	25,97	44,02	71,69	92,06	340,98	408,53	554,55	1165,34		
8	t	0,32	0,45	0,64	0,90	1,25	1,68	1,79	2,07	2,42	2,76	3,56		
	J_{Max}	36,20	71,22	146,93	290,59	563,25	1012,81	1159,82	1543,65	2108,54	2749,52	4585,24		
	J_L	17,37	37,96	87,43	191,66	410,34	805,79	941,71	1308,30	1872,65	2541,12	4575,57		
	J	2,14	7,99	16,05	50,55	86,57	142,25	180,58	285,15	490,78	916,40	1343,44		
10	t	0,32	0,45	0,64	0,89	1,25	1,68	1,82	1,98	2,45	2,76			
	J_{Max}	45,39	89,24	184,04	359,76	705,36	1268,30	1497,43	1768,57	2722,26	3443,02			
	J_L	23,53	51,34	118,14	255,46	554,15	1088,12	1317,11	1594,93	2619,06	3431,29			
	J	4,16	13,98	28,00	44,85	146,11	241,64	476,55	1006,27	1225,58	1484,27			
12	t	0,32	0,45	0,64	0,89	1,25	1,60	1,71	2,10	2,45	2,76			
	J_{Max}	54,56	107,24	221,10	432,18	847,29	1393,85	1596,16	2393,90	3269,89	4135,63			
	J_L	30,07	65,53	150,72	325,84	706,76	1252,83	1464,14	2333,56	3269,89	4135,63			
	J	6,93	21,88	43,82	71,31	223,47	777,15	961,41	1142,81	1815,01	2200,78			
16	t		0,25	0,31	0,45	0,65	0,81	0,93	1,09	1,24	1,39			
	J_{Max}		43,57	71,04	147,82	305,98	468,90	624,13	852,57	1111,79	1392,40			
	J_L		38,93	68,32	147,82	305,98	468,90	624,13	852,57	1111,79	1392,40			
	J		2,52	36,17	69,49	41,39	81,30	124,48	206,76	369,77	1172,11			
20	t		0,24	0,33	0,43	0,65	0,75	0,95	1,17	1,19	1,39			
	J_{Max}		53,00	99,04	165,84	383,46	513,12	806,38	1236,32	1272,96	1744,82			
	J_L		50,83	99,04	165,84	383,46	513,12	806,38	1236,32	1272,96	1744,82			
	J		2,94	20,97	27,74	69,59	108,70	311,54	751,28	1204,99	1744,82			
24	t		0,24	0,33	0,43	0,65	0,77	0,93	1,09	1,24	1,45			
	J_{Max}		63,73	119,05	199,31	460,81	635,74	939,85	1283,82	1674,11	2294,65			
	J_L		63,73	119,05	199,31	460,81	635,74	939,85	1283,82	1674,11	2294,65			
	J		5,01	8,01	42,17	105,20	240,76	304,40	498,33	875,07	1347,35			
30	t		0,24	0,32	0,45	0,63	0,78	0,89	1,04	1,24	1,43			
	J_{Max}		79,80	136,84	278,70	543,22	832,38	1075,99	1469,77	2094,81	2784,90			
	J_L		79,80	136,84	278,70	543,22	832,38	1075,99	1469,77	2094,81	2784,90			
	J		8,99	93,20	257,40	507,50	832,38	915,02	1469,77	1394,57	1530,10			
36	t			0,21	0,30	0,43	0,54	0,59	0,69	0,79	0,93	1,20		
	J_{Max}			72,80	148,38	307,13	470,67	573,16	782,97	1019,66	1397,65	2358,96		
	J_L			72,80	148,38	307,13	470,67	573,16	782,97	1019,66	1397,65	2358,96		
	J			39,84	109,95	74,69	141,04	391,48	634,29	1019,66	1397,65	2358,96		



RTX Inquiry and order form for rotary indexers type RTX (1) – V1

Firm _____

Contact person _____

Telephone / Fax _____

Projekt- / order.-no. _____

Offer-no. _____

Date _____

Index plate Diameter [mm] _____
Depth [mm] _____
Material or weight _____

Fixtures and workpieces Quantity _____
Mass/Station [kg] _____
Reference diameter [mm] _____

☐ Stop mode (fixed step time, variable dwell time)

☐ Continuous mode (fixed step and dwell time)

Required step time [s] _____

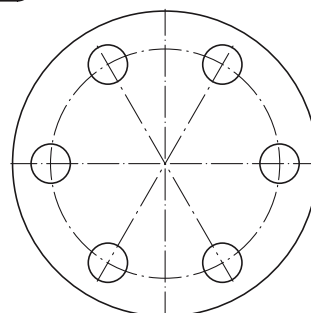
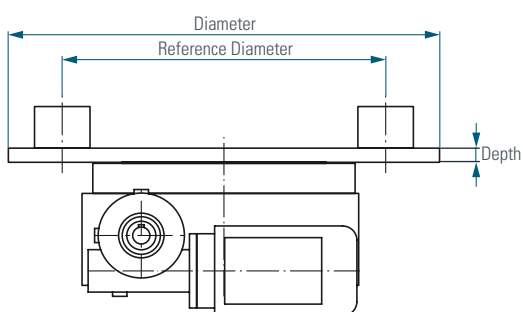
Required dwell time [s] (nur Durchlaufbetrieb) _____

Number of cycles [1/min] _____

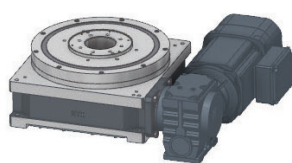
Required service life (actual cycle time, normal 12,000 h)

☐ Additional forces and loads (please give details)

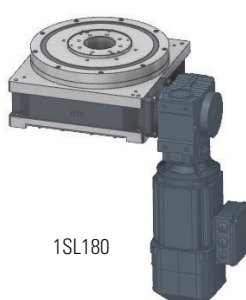
Please visit our website at www.taktomat.de where you can download a program for calculating the rotary table data!



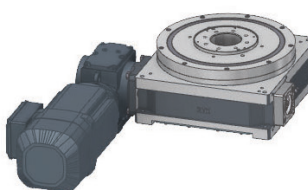
Possible mounting positions for the drive units



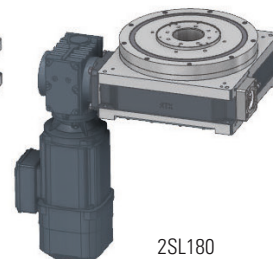
1SL90



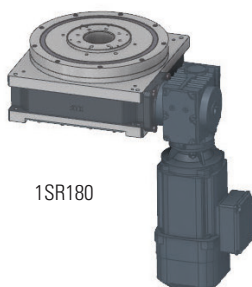
1SL180



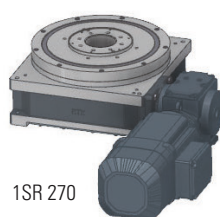
2SL90



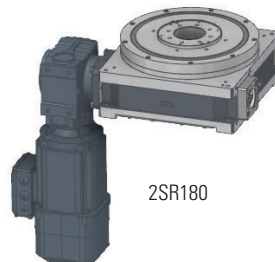
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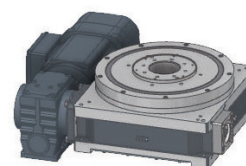
1SR180



1SR 270



2SR180

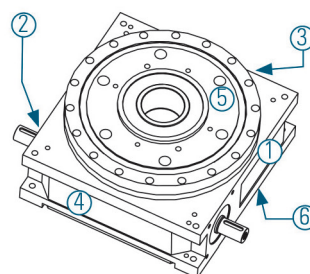


2SR270

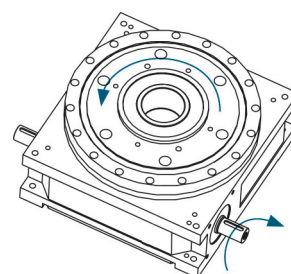
RTX Inquiry and order form for rotary indexers type (2) – V1

Rotary indexer

Type RTX (350-900) _____
Number of stops _____
Index angle other than standard (see load table) _____
Mounting position (underneath) no. _____
Direction of rotation of output flange
☐ Clockwise ☐ Counterclockwise ☐ Reverse
Cam lead ☐ Right (standard) ☐ Left
Standard central column ☐ Yes ☐ No
If No Extended by _____ mm
☐ Standard hole pattern
☐ Hole pattern as specified on drawing _____



possible mounting positions



Cam Lead Right (Standard)

Drive

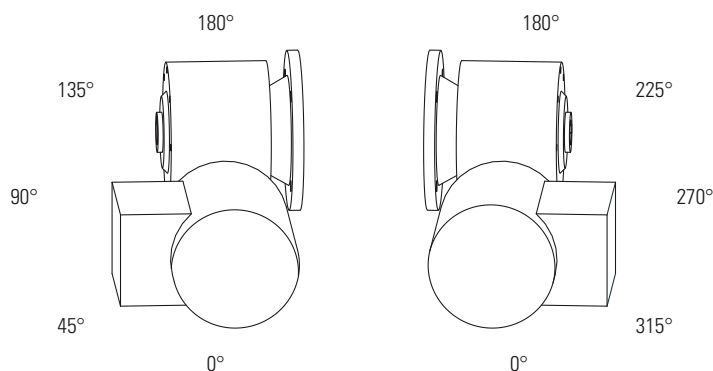
☐ With drive
Drive position (see page 1) _____
Terminal box position (see below) _____
Motor voltage ☐ 230/400-50 Hz
 Other voltage _____
Brake voltage ☐ 24V DC
 Other voltage _____
Manual release on brake ☐ Yes ☐ No
Motor Handwheel ☐ Yes ☐ No
Input Safety Clutch ☐ Yes ☐ No
Additional specifications (temperature sensor, connector assembly, brand...)

☐ Without drive
Direction of rotation of input shaft _____
Input shaft Ø _____ ; Length _____

Universal Controller TIC

Universal Controller TIC ☐ Yes ☐ No

Terminal box position



Accessories

Universal Controller TIC



Features and user benefits

An index table can be controlled in many different ways. We have developed this universal control to provide our customers with a user-friendly tool for operating the rotary table requiring minimal effort on the operator's part.

- Cycle time optimization through accurately stopping the drive in Dwell
- Minimizing installation and hardware expenses
- Easy integration through fieldbus connection (ProfiNet, EtherCAT, Ethernet / IP) and integration aids (step by step instructions and video tutorial)
- Motor protection switch and mechanical or electronic contactors can be eliminated. Only line protection necessary.
- Fast, gentle gear brakes with emergency stop
- Safety functions STO, SS1, SLS for max. PL e (SIL 3) at STO
- Soft restart or after emergency stop
- Machine gently jog also possible for large tables
- Oscillation or rotation reversal without additional hardware possible
- Simple change of speed possible
- No brake wear, the brake only closes after emergency stop
- Monitoring the engine temperature
- Compact, space-saving design

Common applications

The universal control is the ideal solution for all three-phase motor-driven gears:

- Rotary indexers type RT and TT
- Rotary indexer TSR
- Globoidal index drives TG
- Parallel gears XT, TP and SP
- Linear transfer system type LFA



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