Ruch
servomotor

다이렉트 드라이브 모터

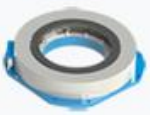
Ruch servomotor

System Catalogue





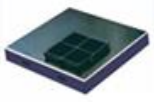
RM24 RM36
Rotor Stator



RT24 RT36
Standard Type



RSMR24 RSMR36
High Speed Slim Type



LINEAR PLANAR STEP MOTOR
Dual Axes XY Stepping Motors

[주] 인텍 오토메이션
INTECH AUTOMATION Inc.

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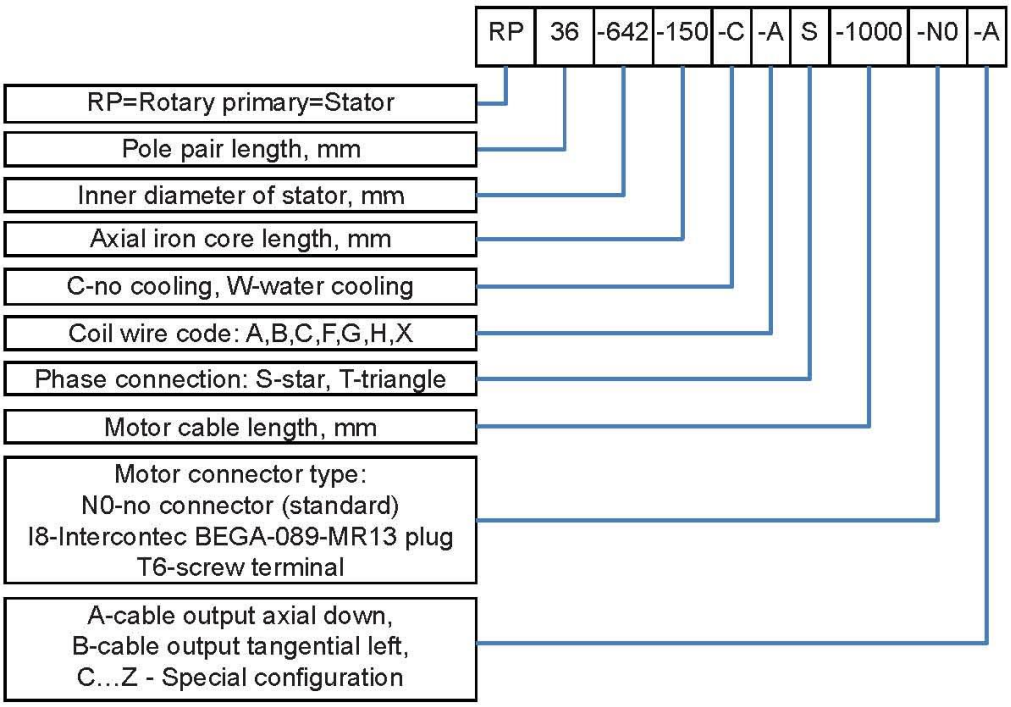
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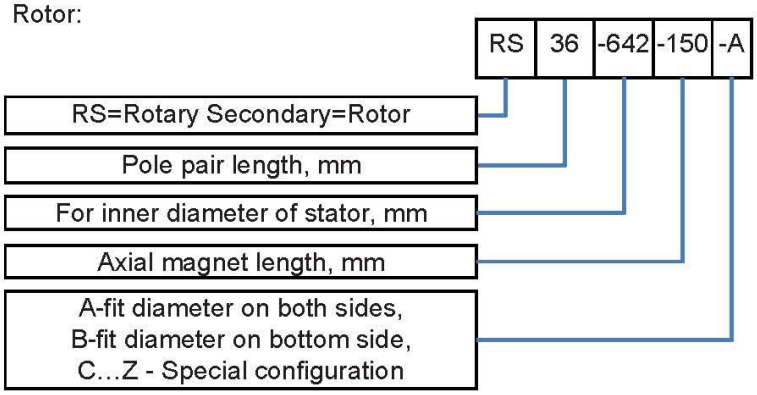
Ordering information (RM24, RM36)

각 모터는 기본적으로 Stator 및 Rotor 으로 구성 되어 있습니다.
아래와 같은 코드를 사용하여 적절한 DD Motor 모델을 선택 하여 주십시오.

Order key for rotary synchronous motors
Stator (iron core with windings and cable):



Rotor:



Order example :
Stator : RP36-642-150-C-AS-3000-N0-A
Rotor : RS36-642-150-A

INTECH Automation INC.

2-1504, Ace Hitech City 55-20, Mullae-Dong 3 – Gae
Youngdeungpo-Gu, Seoul, 150-972, KOREA
mail: intech@intechautomation.co.kr http://www.intechautomation.co.kr

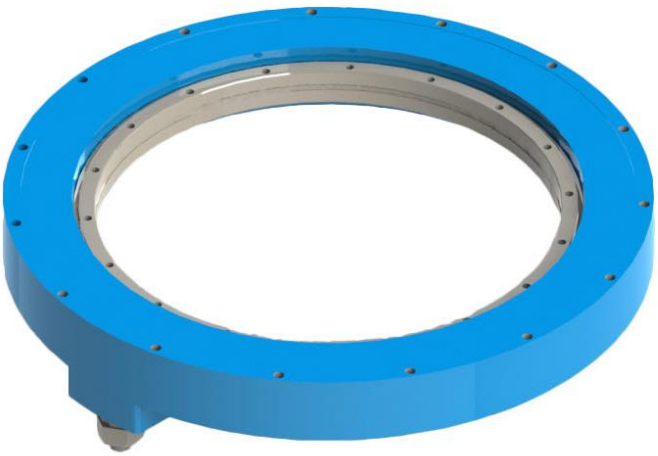
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Page of Inquiry / Order No_____

업 체	
담 당 자	
Tel / fax	
E-mail	

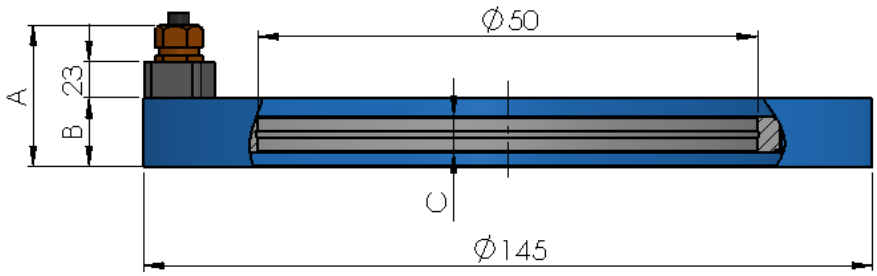
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Angle	degree
Load	Kg
Resolution	arc-sec
Accuracy	arc-sec
Repeatability	arc-sec
Max velocity	rpm
Max acceleration	sec
Flatness	arc-sec
Straightness	arc-sec

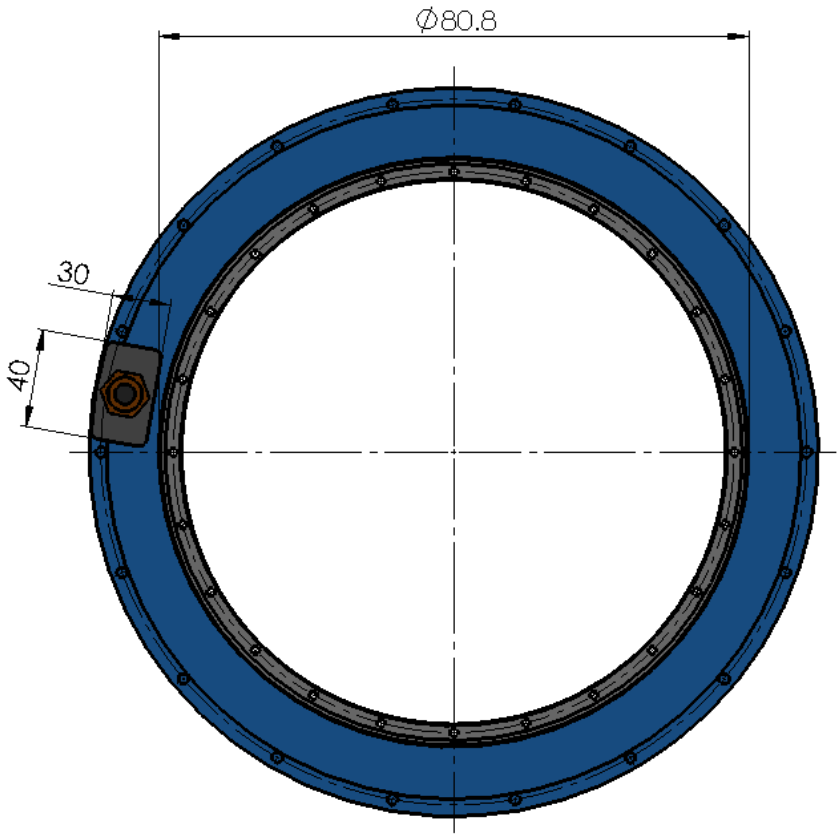
RM Series



Ruch servomotor

RM-24-81-...





Parameter	A, mm	B, mm	C, mm	Stator, Kg	Rotor, Kg
RM-24-81-25	101	50	30	1.96	0.6
RM-24-81-50	126	75	55	3.7	1.12
RM-24-81-75	151	100	80	5.2	1.7
RM-24-81-100	176	125	105	6.6	2.2
RM-24-81-125	201	150	130	8	2.8
RM-24-81-150	226	157	155	8.9	3.3

RM-24-81-...

Performance

Parameter	Unit	RM-24-81-25		RM-24-81-50		RM-24-81-75	
Rotor inertia	kgm²	0.001		0.001		0.002	
Peak torque	Nm	18		36.1		54.1	
Continuous torque	Nm	4.7		9.4		14.7	
Bearing friction torque	Nm	1		1		1	
Detent torque	Nm	0		1		1	
3 phases winding combination	**unit**	**HS**	**HT**	**HS**	**HT**	**GS**	**GT**
Maximum velocity at Mp	rpm	425	840	152	376	317	628
Maximum velocity at Mw	rpm	709	1278	323	623	523	951
Maximum velocity at Ma	rpm	815	1436	389	713	605	1074
Motor constant	Nm/W	1	1	1	1	2	2

Electrical

Parameter	Unit	RM-24-81-25		RM-24-81-50		RM-24-81-75	
3 phases winding combination	**Unit**	**HS**	**HT**	**HS**	**HT**	**GS**	**GT**
Peak current at Mp and N=0	Arms	5.8	10.1	5.8	10.1	5.8	10.1
Continuous current	Arms	1.5	2.6	1.5	2.6	3.4	5.9
supply voltage AC	V	~ 310DC					
Electrical resistance	Ohm	10.25	3.42	16.92	5.64	4.62	1.54
Electrical inductance	mH	48.9	16.3	97.8	32.6	29.8	9.9
Back EMF constant	V/(rad/s)	2.6	1.5	5.2	3.	3.5	2

RM-24-81-...

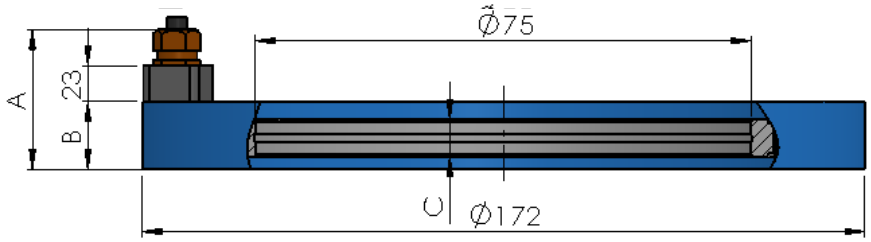
Performance

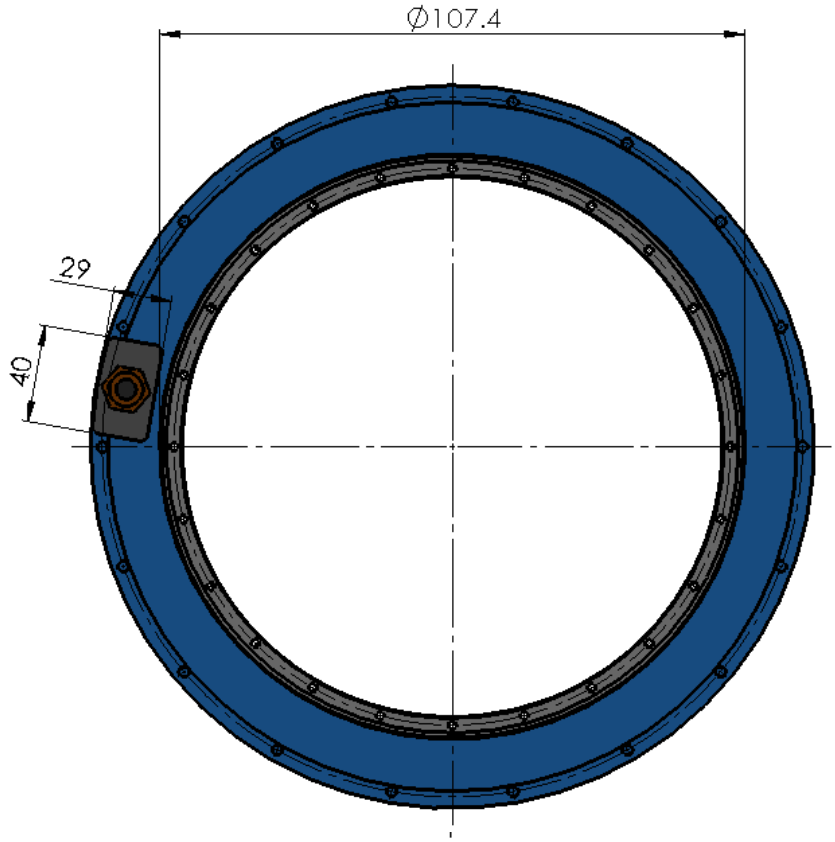
Parameter	Unit	RM-24-81-100		RM-24-81-125		RM-24-81-150	
Rotor inertia	kgm²	0.003		0.003		0.004	
Peak torque	Nm	72.2		90.2		108.3	
Continuous torque	Nm	19.5		24.4		29.3	
Bearing friction torque	Nm	1		1		1	
Detent torque	Nm	1		1		2	
3 phases winding combination	**unit**	**GS**	**GT**	**GS**	**GT**	**GS**	**GT**
Maximum velocity at Mp	rpm	210	450	143	341	97	267
Maximum velocity at Mw	rpm	376	703	287	552	227	450
Maximum velocity at Ma	rpm	444	801	346	634	280	522
Motor constant	Nm/W	2	2	2	2	2	2

Electrical

Parameter	Unit	RM-24-81-100		RM-24-81-125		RM-24-81-150	
3 phases winding combination	**Unit**	**GS**	**GT**	**GS**	**GT**	**GS**	**GT**
Peak current at Mp and N=0	Arms	13	22.5	13	22.5	13	22.5
Continuous current	Arms	3.4	5.9	3.4	5.9	3.4	5.9
supply voltage AC	V	~ 310 DC					
Electrical resistance	Ohm	5.92	1.97	7.23	2.41	8.54	2.85
Electrical inductance	mH	39.8	13.3	49.7	16.6	59.6	19.9
Back EMF constant	V/(rad/s)	4.7	2.7	5.9	3.4	7	4.1

RM-24-107-...





Parameter	A, mm	B, mm	C, mm	Stator, Kg	Rotor, Kg
RM-24-107-25	101	50	30	2.85	0.9
RM-24-107-50	126	75	55	4.8	1.7
RM-24-107-75	151	100	80	6.8	2.5
RM-24-107-100	176	125	105	8.45	3.4
RM-24-107-125	201	150	130	10.4	4.2
RM-24-107-150	226	175	155	12.2	5

RM-24-107-...

Performance

Parameter	Unit	RM-24-107-25		RM-24-107-50		RM-24-107-75	
Rotor inertia	kgm²	0.002		0.004		0.006	
Peak torque	Nm	32		64		95.9	
Continuous torque	Nm	8.3		17.3		26	
Bearing friction torque	Nm	1		1		1	
Detent torque	Nm	1		1		2	
3 phases winding combination	**unit**	**HS**	**HT**	**HS**	**HT**	**GS**	**GT**
Maximum velocity at Mp	rpm	209	455	275	541	155	340
Maximum velocity at Mw	rpm	384	716	447	809	282	530
Maximum velocity at Ma	rpm	450	810	514	910	333	603
Motor constant	Nm/W	1	1	2	2	3	3

Electrical

Parameter	Unit	RM-24-107-25		RM-24-107-50		RM-24-107-75	
3 phases winding combination	**Unit**	**HS**	**HT**	**HS**	**HT**	**GS**	**GT**
Peak current at Mp and N=0	Arms	5.8	10.1	13	22.5	13	22.5
Continuous current	Arms	1.5	2.6	3.4	5.9	3.4	5.9
supply voltage AC	V	~ 310 DC					
Electrical resistance	Ohm	13.66	4.55	4.42	1.47	6.16	2.05
Electrical inductance	mH	65.2	21.7	26.5	8.8	39.8	13.3
Back EMF constant	V/(rad/s)	4.6	2.7	4.2	2.4	6.2	3.6

RM-24-107-...

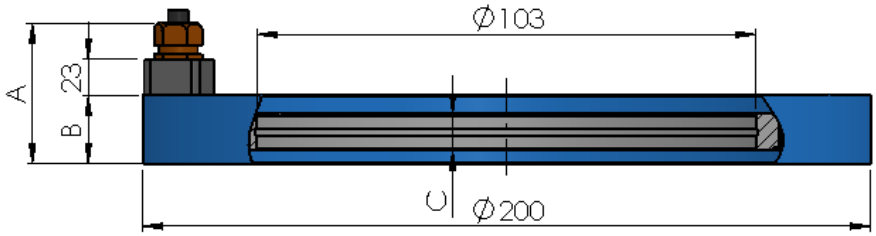
Performance

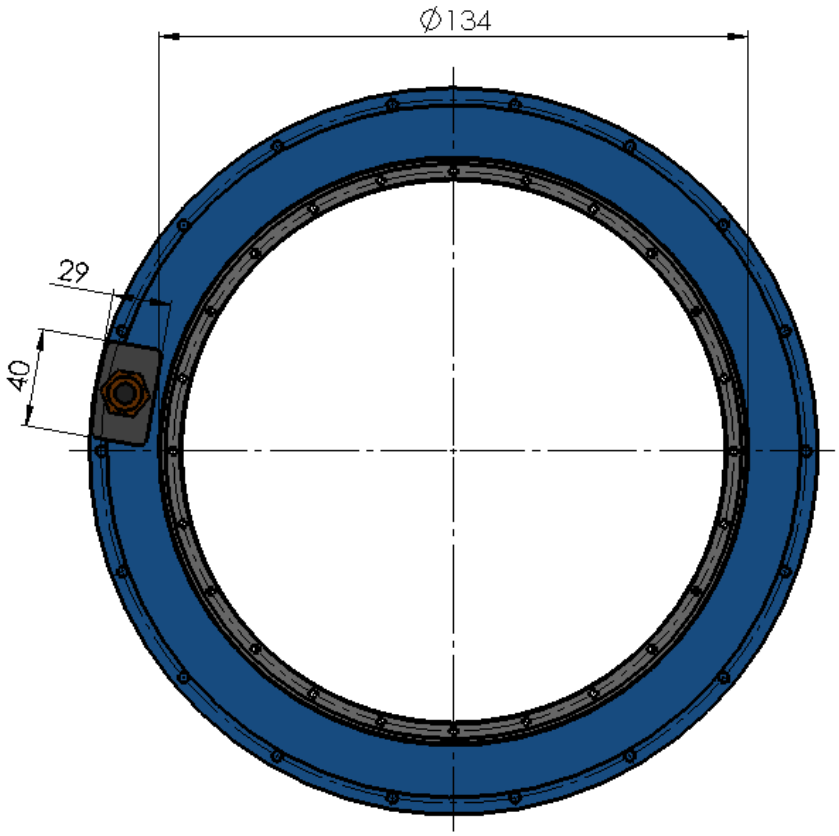
Parameter	Unit	RM-24-107-100		RM-24-107-125		RM-24-107-150	
Rotor inertia	kgm²	0.008		0.009		0.011	
Peak torque	Nm	127.9		159.9		191.9	
Continuous torque	Nm	34.6		43.3		51.9	
Bearing friction torque	Nm	1		1		1	
Detent torque	Nm	2		3		3	
3 phases winding combination	**unit**	**GS**	**GT**	**GS**	**GT**	**GS**	**GT**
Maximum velocity at Mp	rpm	92	236	51	172	21	128
Maximum velocity at Mw	rpm	198	387	147	300	113	241
Maximum velocity at Ma	rpm	241	446	185	351	148	286
Motor constant	Nm/W	3	3	3	3	4	4

Electrical

Parameter	Unit	RM-24-107-100		RM-24-107-125		RM-24-107-150	
3 phases winding combination	**Unit**	**GS**	**GT**	**GS**	**GT**	**GS**	**GT**
Peak current at Mp and N=0	Arms	13	22.5	13	22.5	13	22.5
Continuous current	Arms	3.4	5.9	3.4	5.9	3.4	5.9
supply voltage AC	V	~ 310 DC					
Electrical resistance	Ohm	7.9	2.63	9.64	3.21	11.38	3.79
Electrical inductance	mH	53	17.7	66.3	22.1	79.5	26.5
Back EMF constant	V/(rad/s)	8.3	4.8	10.4	6	12.5	7.2

RM-24-134-...





Parameter	A, mm	B, mm	C, mm	Stator, Kg	Rotor, Kg
RM-24-134-25	101	50	30	3.5	1.12
RM-24-134-50	126	75	55	5.8	2.1
RM-24-134-75	151	100	80	8.3	3.12
RM-24-134-100	176	125	105	10.5	4.13
RM-24-134-125	201	150	130	12.8	5.14
RM-24-134-150	226	175	155	15.2	6.15

RM-24-134-...

Performance

Parameter	Unit	RM-24-134-25		RM-24-134-50		RM-24-134-75	
Rotor inertia	kgm²	0.004		0.008		0.012	
Peak torque	Nm	50		100		150	
Continuous torque	Nm	13		27		40.5	
Bearing friction torque	Nm	1		1		1	
Detent torque	Nm	1		2		2	
3 phases winding combination	**unit**	**HS**	**HT**	**HS**	**HT**	**GS**	**GT**
Maximum velocity at Mp	rpm	110	275	161	337	82	205
Maximum velocity at Mw	rpm	234	451	278	515	171	333
Maximum velocity at Ma	rpm	280	515	324	582	207	382
Motor constant	Nm/W	2	2	3	3	4	4

Electrical

Parameter	Unit	RM-24-134-25		RM-24-134-50		RM-24-134-75	
3 phases winding combination	**Unit**	**HS**	**HT**	**HS**	**HT**	**GS**	**GT**
Peak current at Mp and N=0	Arms	5.8	10.1	13	22.5	13	22.5
Continuous current	Arms	1.5	2.6	3.4	5.9	3.4	5.9
supply voltage AC	V	~ 310 DC					
Electrical resistance	Ohm	17.08	5.69	5.52	1.84	7.7	2.57
Electrical inductance	mH	81.5	27.2	33.1	11	49.7	16.6
Back EMF constant	V/(rad/s)	7.2	4.1	6.5	3.7	9.7	5.6

RM-24-134-...

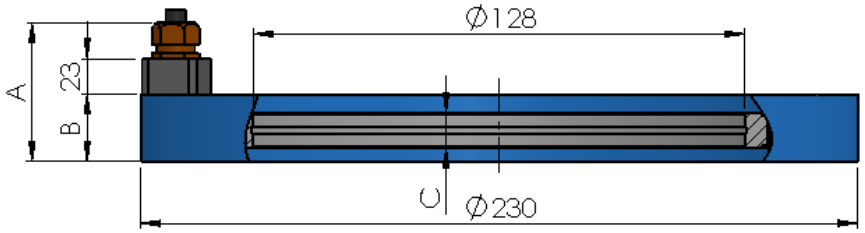
Performance

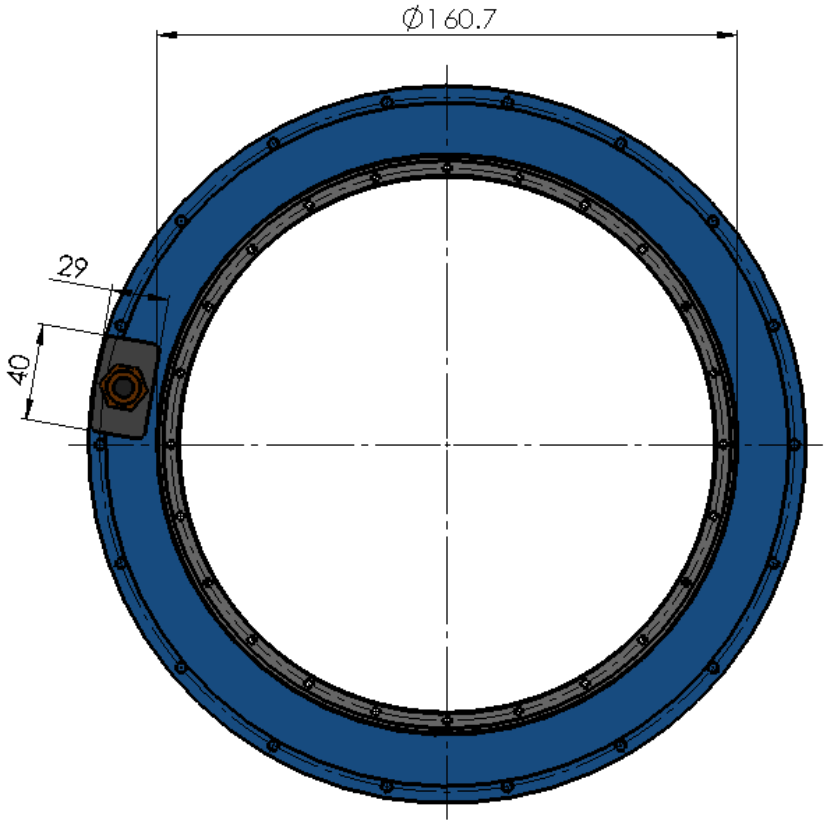
Parameter	Unit	RM-24-134-100		RM-24-134-125		RM-24-134-150	
Rotor inertia	kgm²	0.016		0.020		0.024	
Peak torque	Nm	200		249		299	
Continuous torque	Nm	54		67.5		99.3	
Bearing friction torque	Nm	1		1		1	
Detent torque	Nm	3		4		5	
3 phases winding combination	**unit**	**GS**	**GT**	**GS**	**GT**	**GS**	**GT**
Maximum velocity at Mp	rpm	39	137	9	95	130	265
Maximum velocity at Mw	rpm	117	240	84	183	200	374
Maximum velocity at Ma	rpm	148	281	112	219	241	437
Motor constant	Nm/W	4	4	5	5	6	6

Electrical

Parameter	Unit	RM-24-134-100		RM-24-134-125		RM-24-134-150	
3 phases winding combination	**Unit**	**GS**	**GT**	**GS**	**GT**	**GS**	**GT**
Peak current at Mp and N=0	Arms	13	22.5	13	22.5	29.8	51.6
Continuous current	Arms	3.4	5.9	3.4	5.9	9.6	16.6
supply voltage AC	V	~ 310 DC					
Electrical resistance	Ohm	9.87	329	12.05	4.02	2.19	0.73
Electrical inductance	mH	66.3	22.1	82.8	27.6	18.8	6.3
Back EMF constant	V/(rad/s)	13.5	7.5	16.2	9.3	8.4	4.9

RM-24-161-...





Parameter	A, mm	B, mm	C, mm	Stator, Kg	Rotor, Kg
RM-24-161-25	101	50	30	4.3	1.5
RM-24-161-50	126	75	55	7.2	2.8
RM-24-161-75	151	100	80	10.1	4.1
RM-24-161-100	176	125	105	12.8	5.4
RM-24-161-125	201	150	130	15.6	6.6
RM-24-161-150	226	175	155	18.5	8

RM-24-161-...

Performance

Parameter	Unit	RM-24-161-25		RM-24-161-50		RM-24-161-75	
Rotor inertia	kgm²	0.007		0.014		0.022	
Peak torque	Nm	72		144		215	
Continuous torque	Nm	18.7		38.9		58.3	
Bearing friction torque	Nm	1		1		1	
Detent torque	Nm	1		2		3	
3 phases winding combination	**unit**	**HS**	**HT**	**HS**	**HT**	**GS**	**GT**
Maximum velocity at Mp	rpm	57	178	99	225	42	132
Maximum velocity at Mw	rpm	153	306	186	353	112	225
Maximum velocity at Ma	rpm	189	353	221	402	139	262
Motor constant	Nm/W	2	2	4	4	5	5

Electrical

Parameter	Unit	RM-24-161-25		RM-24-161-50		RM-24-161-75	
3 phases winding combination	**Unit**	**HS**	**HT**	**HS**	**HT**	**GS**	**GT**
Peak current at Mp and N=0	Arms	5.8	10.1	13	22.5	13	22.5
Continuous current	Arms	1.5	2.6	3.4	5.9	3.4	5.9
supply voltage AC	V	~ 310 DC					
Electrical resistance	Ohm	20.5	6.83	6.62	2.21	9.24	3.08
Electrical inductance	mH	97.8	32.6	39.8	13.3	59.3	19.9
Back EMF constant	V/(rad/s)	10.3	6	9.3	5.4	14	8.1

RM-24-161-...

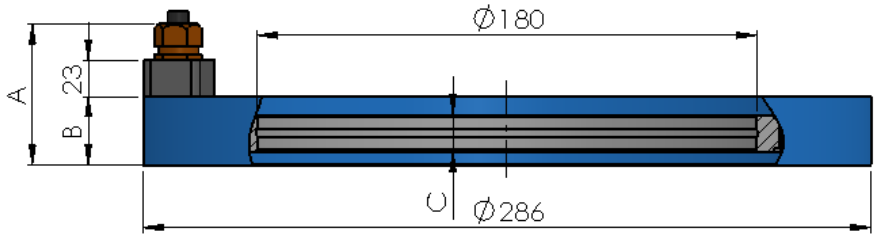
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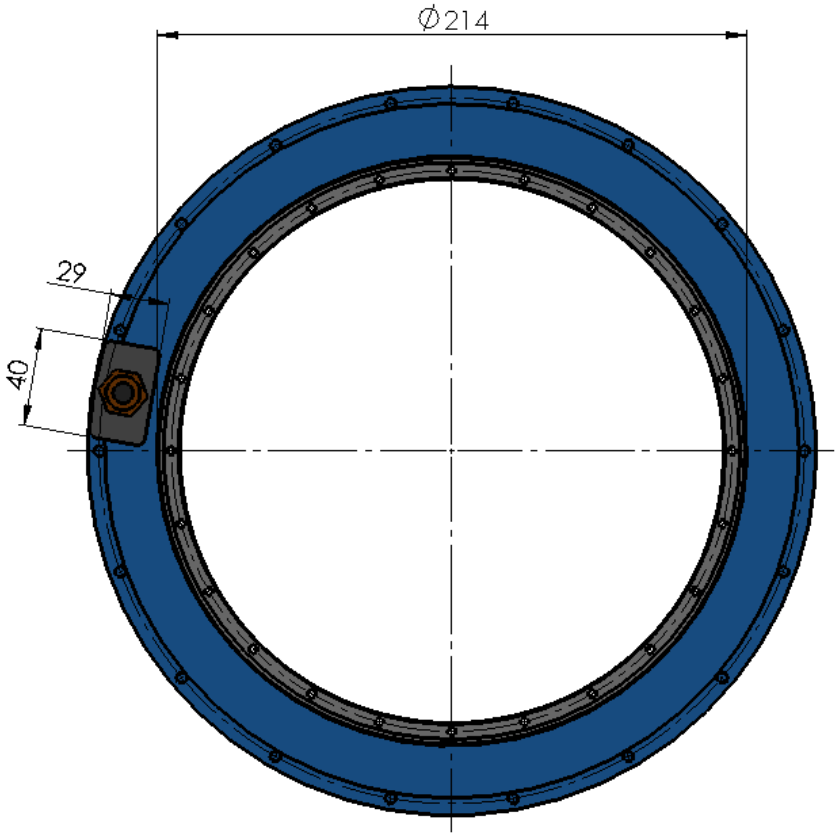
Parameter	Unit	RM-24-161-100		RM-24-161-125		RM-24-161-150	
Rotor inertia	kgm²	0.29		0.36		0.43	
Peak torque	Nm	287		359		431	
Continuous torque	Nm	77.7		119		142.8	
Bearing friction torque	Nm	1		1		1	
Detent torque	Nm	5		6		7	
3 phases winding combination	**unit**	**GS**	**GT**	**GS**	**GT**	**GS**	**GT**
Maximum velocity at Mp	rpm	10	87	108	221	82	178
Maximum velocity at Mw	rpm	74	160	166	313	133	256
Maximum velocity at Ma	rpm	98	191	201	365	164	301
Motor constant	Nm/W	5	5	7	7	7	7

Electrical

Parameter	Unit	RM-24-161-100		RM-24-161-125		RM-24-161-150	
3 phases winding combination	**Unit**	**GS**	**GT**	**GS**	**GT**	**GS**	**GT**
Peak current at Mp and N=0	Arms	13	22.5	29.8	51.6	29.8	51.6
Continuous current	Arms	3.4	5.9	9.6	16.6	9.6	16.6
supply voltage AC	V	~ 310 DC					
Electrical resistance	Ohm	11.85	3.95	2.23	0.74	2.63	0.88
Electrical inductance	mH	79.5	26.5	18.8	6.3	22.6	7.5
Back EMF constant	V/(rad/s)	18.6	10.8	10.1	5.8	12.1	7

RM-24-214-...





Parameter	A, mm	B, mm	C, mm	Stator, Kg	Rotor, Kg
RM-24-214-25	101	50	30	7.75	2.2
RM-24-214-50	126	75	55	9.6	4
RM-24-214-75	151	100	80	13.6	5.9
RM-24-214-100	176	125	105	17.1	7.7
RM-24-214-125	201	150	130	21.9	9.6
RM-24-214-150	226	175	155	24.5	11.5

RM-24-214-...

Performance

Parameter	Unit	RM-24-214-25		RM-24-214-50		RM-24-214-75	
Rotor inertia	kgm²	0.018		0.037		0.055	
Peak torque	Nm	128		255		383	
Continuous torque	Nm	35		69		127	
Bearing friction torque	Nm	1		1		1	
Detent torque	Nm	2		4		6	
3 phases winding combination	**unit**	**GS**	**GT**	**GS**	**GT**	**BS**	**BT**
Maximum velocity at Mp	rpm	129	267	39	115	109	214
Maximum velocity at Mw	rpm	218	402	96	192	161	298
Maximum velocity at Ma	rpm	253	454	119	222	192	344
Motor constant	Nm/W	4	4	6	6	8	8

Electrical

Parameter	Unit	RM-24-214-25		RM-24-214-50		RM-24-214-75	
3 phases winding combination	**Unit**	**GS**	**GT**	**GS**	**GT**	**BS**	**BT**
Peak current at Mp and N=0	Arms	13	22.5	13.	22.5	29.8	51.6
Continuous current	Arms	3.4	5.9	3.4	5.9	9.6	16.6
supply voltage AC	V	~ 540 DC					
Electrical resistance	Ohm	5.35	1.78	8.83	2.94	1.9	0.63
Electrical inductance	mH	26.5	8.8	53	17.7	15	5
Back EMF constant	V/(rad/s)	8.3	4.8	16.6	9.6	10.8	6.2

RM-24-214-...

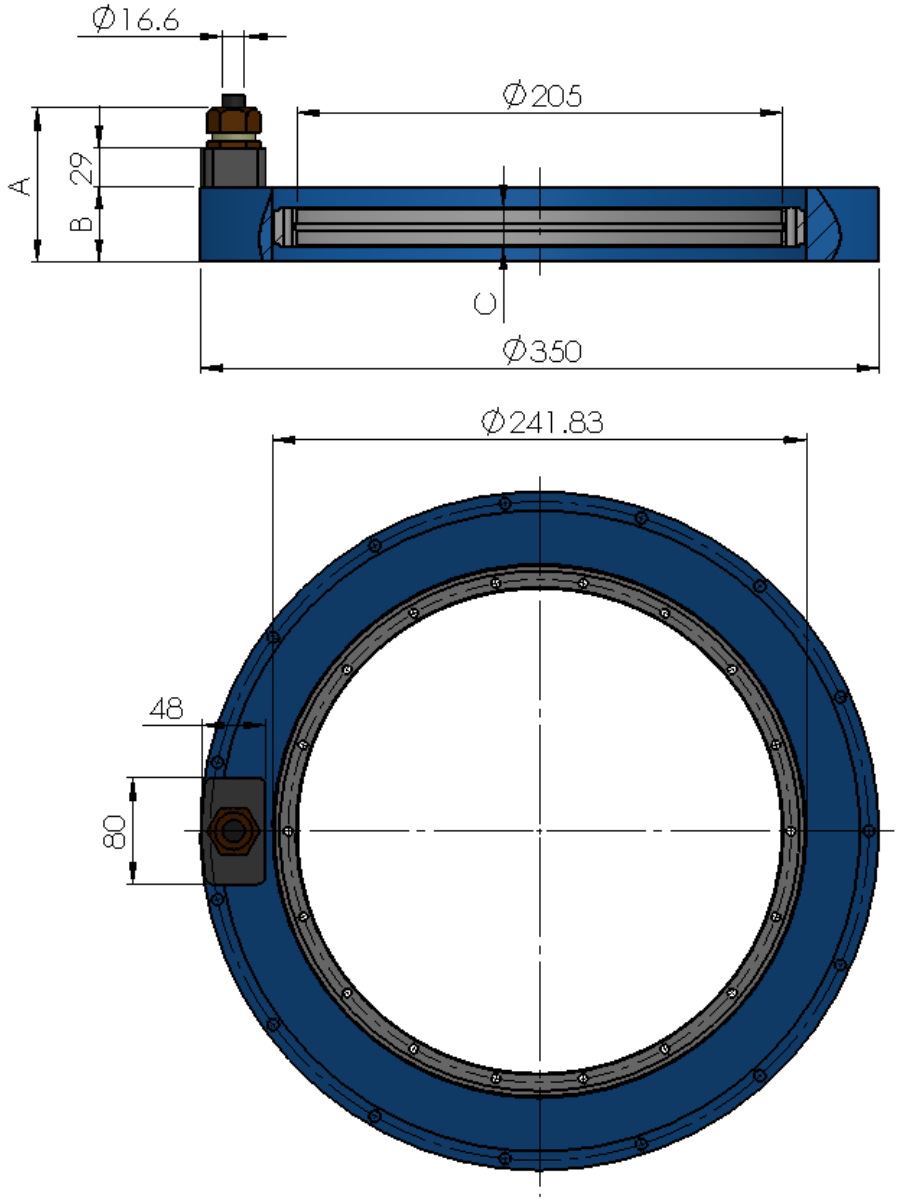
Performance

Parameter	Unit	RM-24-214-100		RM-24-214-125		RM-24-214-150	
Rotor inertia	kgm²	0.074		0.092		0.111	
Peak torque	Nm	510		638		765	
Continuous torque	Nm	169		211		254	
Bearing friction torque	Nm	1		1		1	
Detent torque	Nm	8		10		12	
3 phases winding combination	**unit**	**BS**	**BT**	**BS**	**BT**	**BS**	**BT**
Maximum velocity at Mp	rpm	73	154	50	117	35	92
Maximum velocity at Mw	rpm	115	219	87	171	68	138
Maximum velocity at Ma	rpm	140	256	109	202	87	166
Motor constant	Nm/W	9	9	10	10	12	12

Electrical

Parameter	Unit	RM-24-214-100		RM-24-214-125		RM-24-214-150	
3 phases winding combination	**Unit**	**BS**	**BT**	**BS**	**BT**	**BS**	**BT**
Peak current at Mp and N=0	Arms	29.8	51.6	29.8	51.6	29.8	51.6
Continuous current	Arms	9.6	16.6	9.6	16.6	9.6	16.6
supply voltage AC	V	~ 540 DC					
Electrical resistance	Ohm	2.44	0.81	2.97	0.99	3.51	1.17
Electrical inductance	mH	20	6.7	25.1	8.4	30.1	10
Back EMF constant	V/(rad/s)	14.4	8.3	18	10.4	21.6	12.5

RM-36-241-...



Parameter	A, mm	B, mm	C, mm	Stator, Kg	Rotor, Kg
RM-36-241-25	115	56	30	13	2.5
RM-36-241-50	141	82	55	20	6
RM-36-241-75	165	106	80	28	7
RM-36-241-100	191	132	105	35	9
RM-36-241-125	241	182	155	49	14
RM-36-241-150	291	232	205	64	18

RM-36-241-...

Performance

Parameter	Unit	RM-36-241-25		RM-36-241-50		RM-36-241-75	
Rotor inertia	kgm²	0.0		0.1		0.1	
Peak torque	Nm	178		356		535	
Continuous torque	Nm	66		131		187	
Bearing friction torque	Nm	12		12		12	
Detent torque	Nm	2		3		5	
3 phases winding combination	**unit**	**FS**	**FT**	**FS**	**FT**	**BS**	**BT**
Maximum velocity at Mp	rpm	200	400	84	187	150	294
Maximum velocity at Mw	rpm	278	520	128	251	209	385
Maximum velocity at Ma	rpm	325	589	156	289	240	431
Motor constant	Nm/W	4	4	7	7	9	9

Electrical

Parameter	Unit	RM-36-241-25		RM-36-241-50		RM-36-241-75	
3 phases winding combination	**Unit**	**FS**	**FT**	**FS**	**FT**	**BS**	**BT**
Peak current at Mp and N=0	Arms	14	24	14	24	30	51
Continuous current	Arms	5	8	5	8	5	8
supply voltage AC	V	~ 540 DC					
Electrical resistance	Ohm	7.1	2.37	9.92	3.31	2.91	0.97
Electrical inductance	mH	35.6	11.9	71.3	23.8	23.2	7.7
Back EMF constant	V/(rad/s)	11.4	6.6	22.7	13.1	15.9	9.2

RM-36-241-...

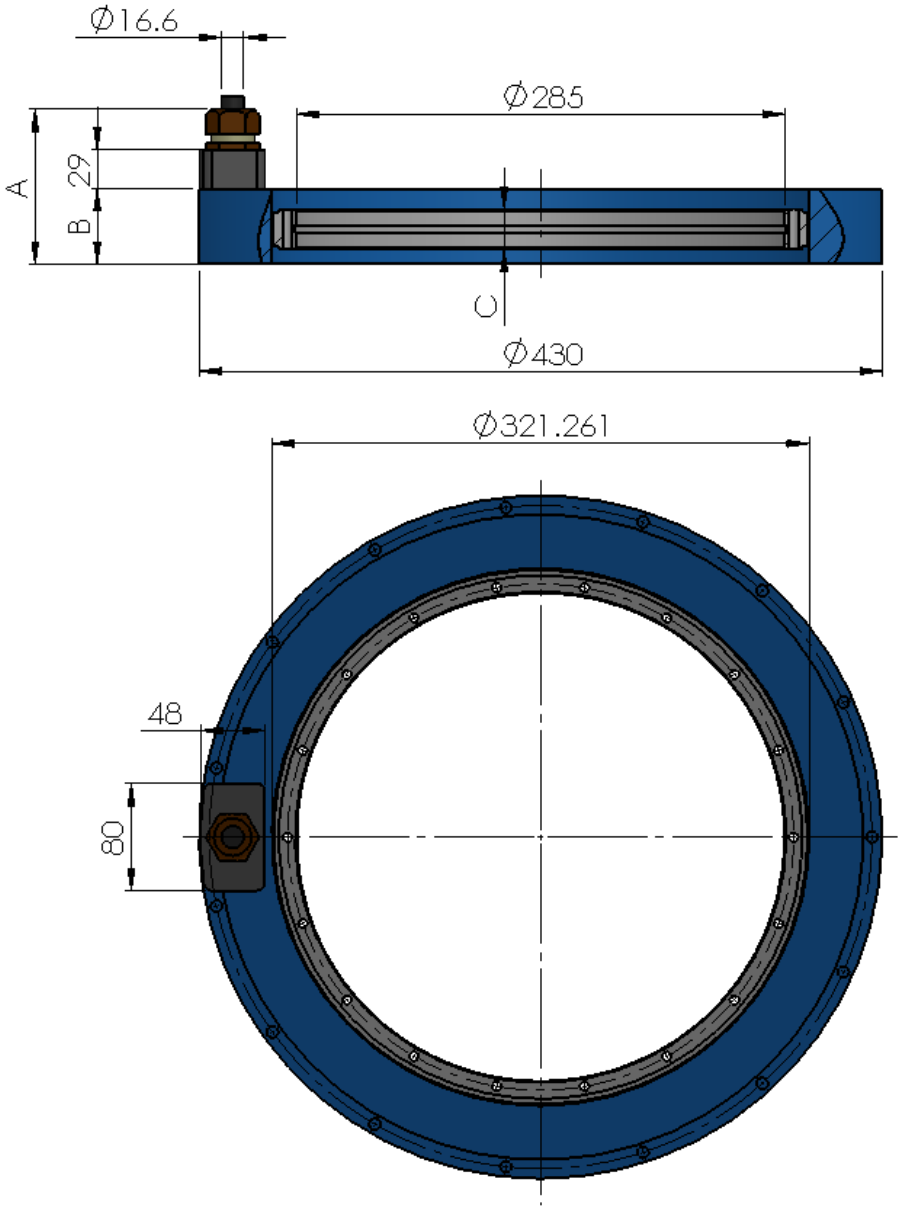
Performance

Parameter	Unit	RM-36-241-100		RM-36-241-125		RM-36-241-150	
Rotor inertia	kgm²	0.2		0.2		0.3	
Peak torque	Nm	713		891		1069	
Continuous torque	Nm	249		312		374	
Bearing friction torque	Nm	12		12		12	
Detent torque	Nm	7		9		10	
3 phases winding combination	**unit**	**BS**	**BT**	**BS**	**BT**	**BS**	**BT**
Maximum velocity at Mp	rpm	105	214	77	165	58	132
Maximum velocity at Mw	rpm	151	284	116	223	93	182
Maximum velocity at Ma	rpm	176	320	138	253	112	209
Motor constant	Nm/W	11	11	13	13	14	14

Electrical

Parameter	Unit	RM-36-241-100		RM-36-241-125		RM-36-241-150	
3 phases winding combination	**Unit**	**BS**	**BT**	**BS**	**BT**	**BS**	**BT**
Peak current at Mp and N=0	Arms	30	51	30	51	30	51
Continuous current	Arms	10	17	10	17	10	17
supply voltage AC	V	~ 540 DC					
Electrical resistance	Ohm	3.56	1.19	4.20	1.4	4.85	1.62
Electrical inductance	mH	31	10.3	38.7	12.9	46.4	15.5
Back EMF constant	V/(rad/s)	21.2	12.2	26.5	15.3	31.8	18.4

RM-36-321-...



Parameter	A, mm	B, mm	C, mm	Stator, Kg	Rotor, Kg
RM-36-321-25	115	56	30	16.5	3.5
RM-36-321-50	141	82	55	30	6.5
RM-36-321-75	165	106	80	35	10
RM-36-321-100	191	132	105	45	13
RM-36-321-125	241	182	155	49	14
RM-36-321-150	291	232	205	84	24

RM-36-321-...

Performance

Parameter	Unit	RM-36-321-25		RM-36-321-50		RM-36-321-75	
Rotor inertia	kgm²	0.1		0.3		0.4	
Peak torque	Nm	317		633		950	
Continuous torque	Nm	117		233		332	
Bearing friction torque	Nm	12		12		12	
Detent torque	Nm	3		6		9	
3 phases winding combination	**unit**	**FS**	**FT**	**FS**	**FT**	**BS**	**BT**
Maximum velocity at Mp	rpm	91	213	35	95	75	158
Maximum velocity at Mw	rpm	146	284	64	134	111	212
Maximum velocity at Ma	rpm	176	326	82	158	131	239
Motor constant	Nm/W	7	7	11	11	14	14

Electrical

Parameter	Unit	RM-36-321-25		RM-36-321-50		RM-36-321-75	
3 phases winding combination	**Unit**	**FS**	**FT**	**FS**	**FT**	**BS**	**BT**
Peak current at Mp and N=0	Arms	14	24	14	24	30	51
Continuous current	Arms	5	8	5	8	10	17
supply voltage AC	V	~ 540 DC					
Electrical resistance	Ohm	9.47	3.16	13.22	4.41	3.88	1.29
Electrical inductance	mH	47.5	15.8	95.1	31.7	31	10.3
Back EMF constant	V/(rad/s)	20.2	11.7	40.4	23.3	28.2	16.3

RM-36-321-...

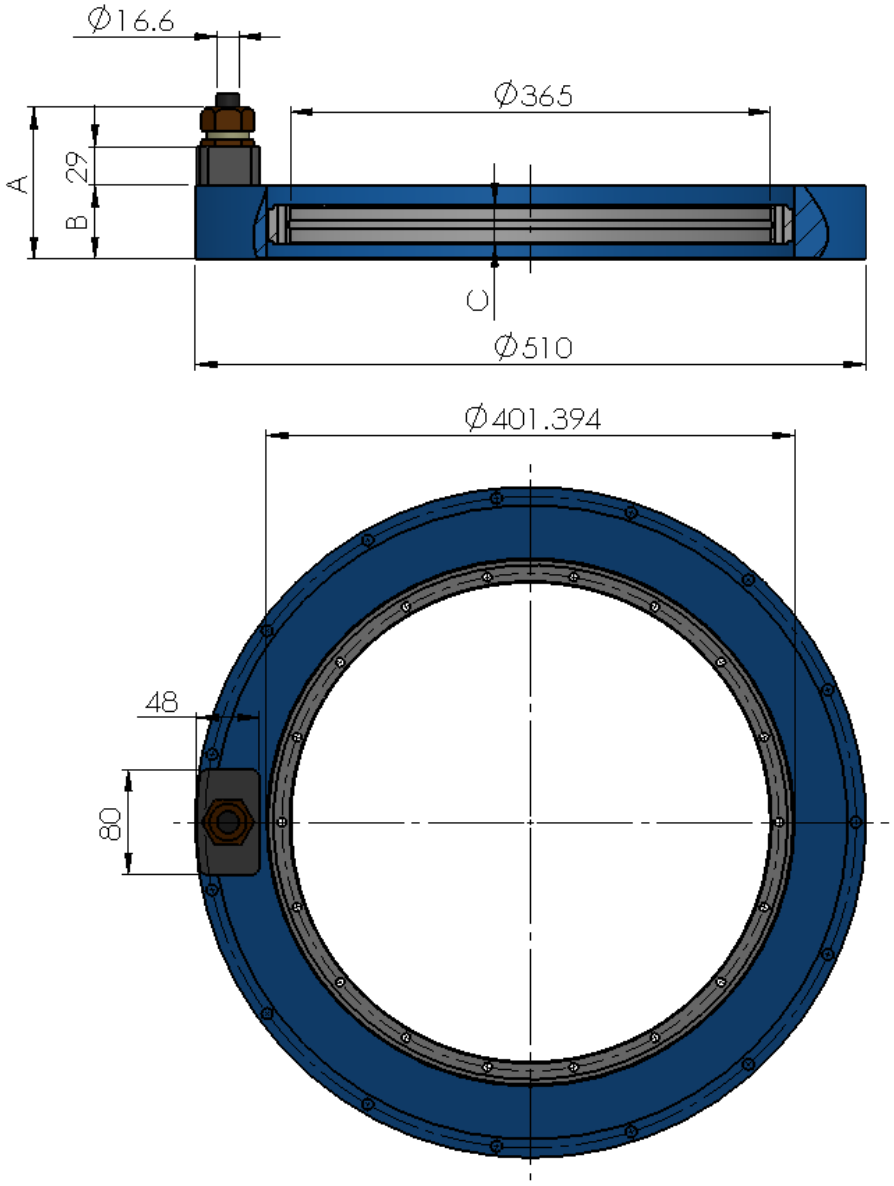
Performance

Parameter	Unit	RM-36-321-100		RM-36-321-125		RM-36-321-150	
Rotor inertia	kgm²	0.5		0.6		0.8	
Peak torque	Nm	1266		1583		1899	
Continuous torque	Nm	443		554		664	
Bearing friction torque	Nm	12		12		12	
Detent torque	Nm	12		15		19	
3 phases winding combination	**unit**	**BS**	**BT**	**BS**	**BT**	**BS**	**BT**
Maximum velocity at Mp	rpm	50	113	34	85	23	67
Maximum velocity at Mw	rpm	79	155	60	120	47	97
Maximum velocity at Ma	rpm	95	177	74	139	59	114
Motor constant	Nm/W	17	17	20	20	22	22

Electrical

Parameter	Unit	RM-36-321-100		RM-36-321-125		RM-36-321-150	
3 phases winding combination	**Unit**	**BS**	**BT**	**BS**	**BT**	**BS**	**BT**
Peak current at Mp and N=0	Arms	30	51	30	51	30	51
Continuous current	Arms	10	17	10	17	10	17
supply voltage AC	V	~ 540 DC					
Electrical resistance	Ohm	4.74	1.58	5.6	1.87	6.46	2.15
Electrical inductance	mH	43.1	13.8	51.6	17.2	61.9	20.6
Back EMF constant	V/(rad/s)	37.7	21.7	47.1	27.2	56.5	32.6

RM-36-401-...



Parameter	A, mm	B, mm	C, mm	Stator, Kg	Rotor, Kg
RM-36-401-25	115	56	30	20	5
RM-36-401-50	141	82	55	32	8
RM-36-401-75	165	106	80	43.6	11.6
RM-36-401-100	191	132	105	56	16
RM-36-401-125	241	182	155	79.1	23.5
RM-36-401-150	291	232	205	97	31.6

RM-36-401-...

Performance

Parameter	Unit	RM-36-401-25		RM-36-401-50		RM-36-401-75	
Rotor inertia	kgm²	0.3		0.5		0.8	
Peak torque	Nm	494		989		1483	
Continuous torque	Nm	182		346		519	
Bearing friction torque	Nm	12		12		12	
Detent torque	Nm	5		10		14	
3 phases winding combination	**unit**	**FS**	**FT**	**FS**	**FT**	**BS**	**BT**
Maximum velocity at Mp	rpm	52	128	74	153	42	96
Maximum velocity at Mw	rpm	86	176	108	204	67	132
Maximum velocity at Ma	rpm	108	204	126	230	81	150
Motor constant	Nm/W	9	9	15	15	20	20

Electrical

Parameter	Unit	RM-36-401-25		RM-36-401-50		RM-36-401-75	
3 phases winding combination	**Unit**	**FS**	**FT**	**FS**	**FT**	**BS**	**BT**
Peak current at Mp and N=0	Arms	14	24	30	51	30	51
Continuous current	Arms	5	8	10	17	10	17
supply voltage AC	V	~ 540 DC					
Electrical resistance	Ohm	11.83	3.94	3.78	1.26	4.85	1.62
Electrical inductance	mH	59.4	19.8	25.8	8.6	38.7	12.9
Back EMF constant	V/(rad/s)	31.5	18.2	29.4	17	44.1	25.5

RM-36-401-...

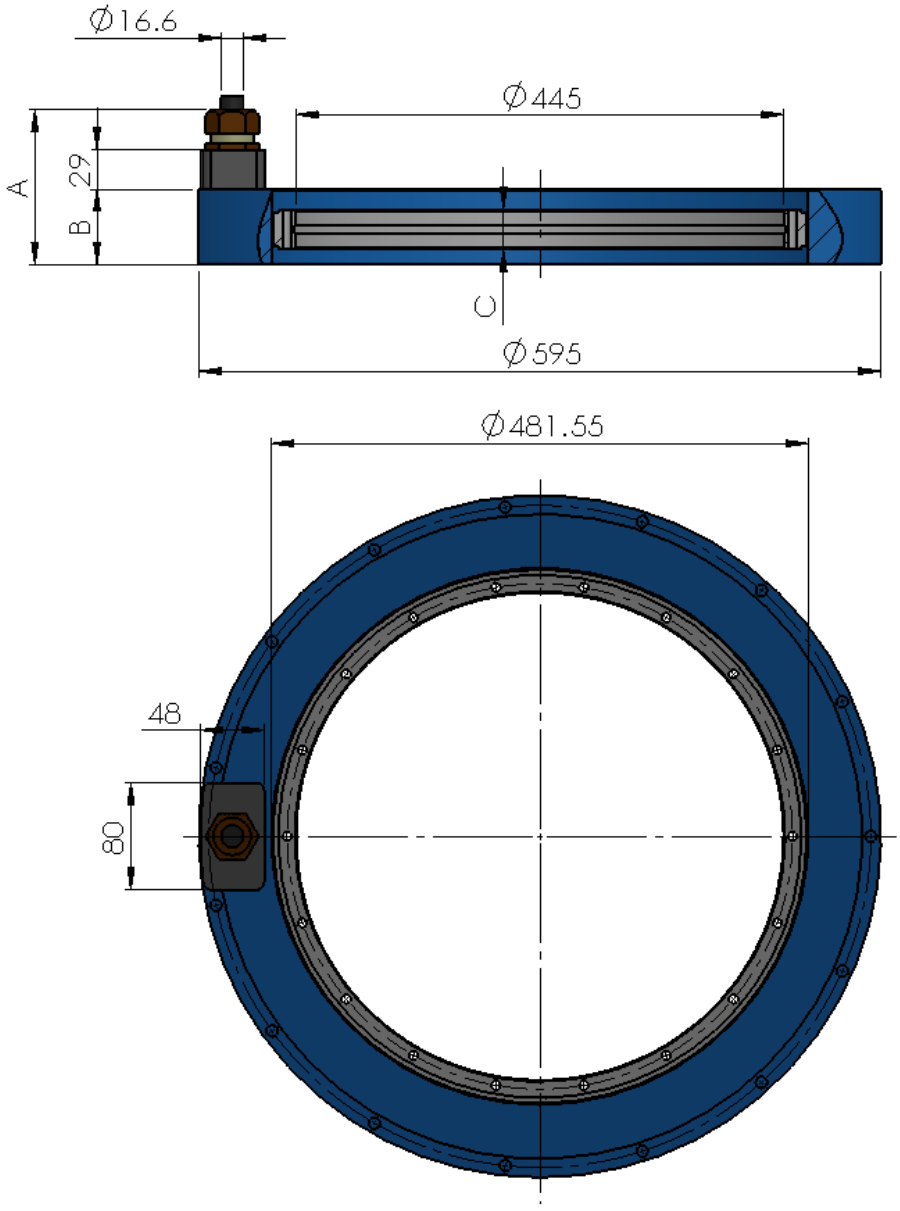
Performance

Parameter	Unit	RM-36-401-100		RM-36-401-125		RM-36-401-150	
Rotor inertia	kgm²	1.1		1.3		1.6	
Peak torque	Nm	1978		2472		2966	
Continuous torque	Nm	692		864		1037	
Bearing friction torque	Nm	12		12		12	
Detent torque	Nm	19		24		29	
3 phases winding combination	**unit**	**BS**	**BT**	**BS**	**BT**	**AS**	**AT**
Maximum velocity at Mp	rpm	25	67	15	49	29	70
Maximum velocity at Mw	rpm	47	95	34	73	48	97
Maximum velocity at Ma	rpm	58	111	45	87	60	112
Motor constant	Nm/W	24	24	28	28	31	31

Electrical

Parameter	Unit	RM-36-401-100		RM-36-401-125		RM-36-401-150	
3 phases winding combination	**Unit**	**BS**	**BT**	**BS**	**BT**	**AS**	**AT**
Peak current at Mp and N=0	Arms	30	51	30	51	45	77
Continuous current	Arms	10	17	10	17	14	25
supply voltage AC	V	~ 540 DC					
Electrical resistance	Ohm	5.93	1.98	7	2.33	3.59	1.2
Electrical inductance	mH	51.6	17.2	64.5	21.5	34.4	11.5
Back EMF constant	V/(rad/s)	58.8	34	73.5	42.5	58.8	34

RM-36-482-...



Parameter	A, mm	B, mm	C, mm	Stator, Kg	Rotor, Kg
RM-36-482-25	115	56	30	24.5	5.2
RM-36-482-50	141	82	55	39	9.7
RM-36-482-75	165	106	80	53.1	14.3
RM-36-482-100	191	132	105	97	28
RM-36-482-125	241	182	155	96.5	28
RM-36-482-150	291	232	205	125	37.2

RM-36-482-...

Performance

Parameter	Unit	RM-36-482-25		RM-36-482-50		RM-36-482-75	
Rotor inertia	kgm²	0.5		1		1.4	
Peak torque	Nm	712		1423		2135	
Continuous torque	Nm	262		498		747	
Bearing friction torque	Nm	12		12		12	
Detent torque	Nm	7		14		21	
3 phases winding combination	**unit**	**FS**	**FT**	**BS**	**BT**	**BS**	**BT**
Maximum velocity at Mp	rpm	28	82	46	102	26	62
Maximum velocity at Mw	rpm	55	117	71	139	43	89
Maximum velocity at Ma	rpm	72	139	85	158	54	103
Motor constant	Nm/W	12	12	20	20	26	26

Electrical

Parameter	Unit	RM-36-482-25		RM-36-482-50		RM-36-482-75	
3 phases winding combination	**Unit**	**FS**	**FT**	**BS**	**BT**	**BS**	**BT**
Peak current at Mp and N=0	Arms	14	24	30	51	30	51
Continuous current	Arms	5	8	10	17	10	17
supply voltage AC	V	~ 540 DC					
Electrical resistance	Ohm	14.2	4.73	4.54	1.51	5.83	1.94
Electrical inductance	mH	71.3	23.8	31	10.3	46.4	15.5
Back EMF constant	V/(rad/s)	45.4	26.2	42.3	24.4	63.5	36.7

RM-36-482-...

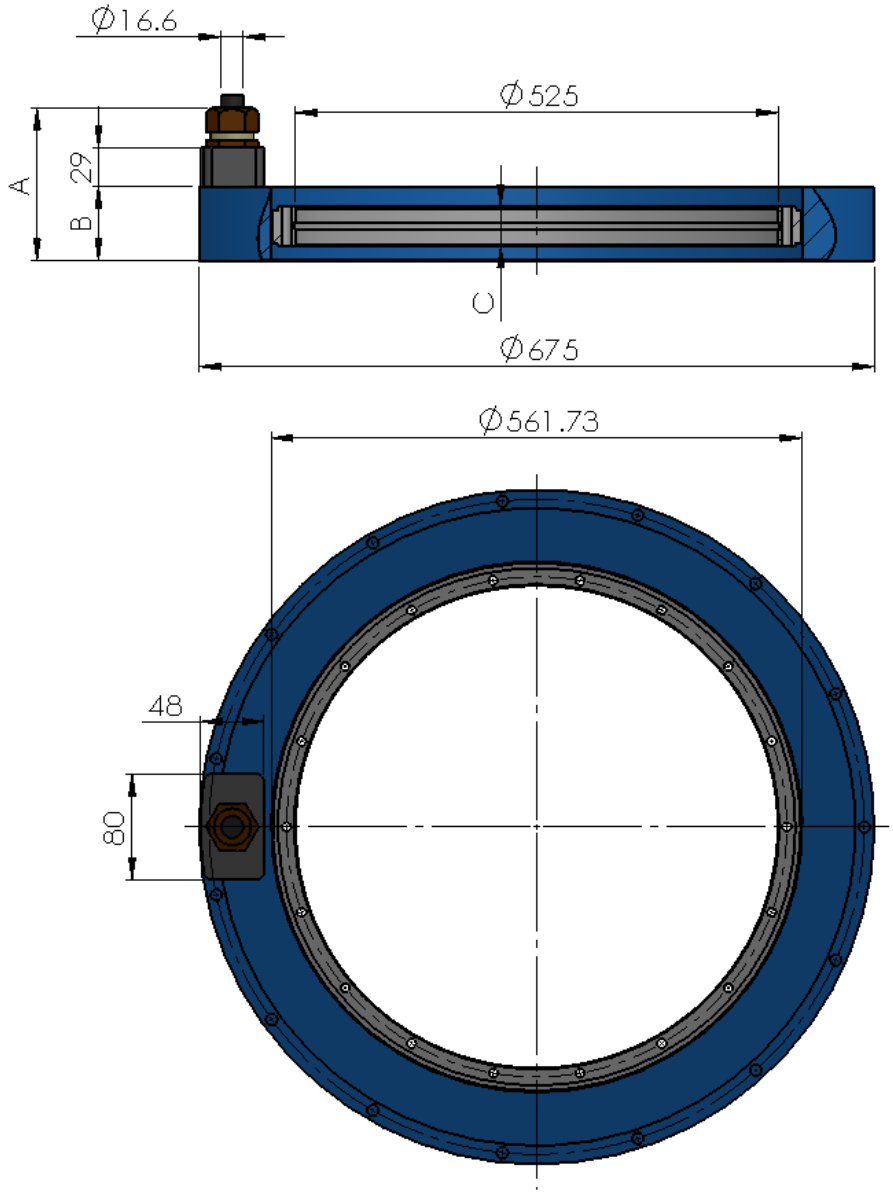
Performance

Parameter	Unit	RM-36-482-100		RM-36-482-125		RM-36-482-150	
Rotor inertia	kgm²	1.9		2.4		2.9	
Peak torque	Nm	2847		3559		4270	
Continuous torque	Nm	996		1245		1493	
Bearing friction torque	Nm	12		12		12	
Detent torque	Nm	28		35		42	
3 phases winding combination	**unit**	**BS**	**BT**	**AS**	**AT**	**AS**	**AT**
Maximum velocity at Mp	rpm	13	42	23	57	16	45
Maximum velocity at Mw	rpm	29	64	40	81	31	65
Maximum velocity at Ma	rpm	39	75	49	93	40	76
Motor constant	Nm/W	32	32	37	37	41	41

Electrical

Parameter	Unit	RM-36-482-100		RM-36-482-125		RM-36-482-150	
3 phases winding combination	**Unit**	**BS**	**BT**	**AS**	**AT**	**AS**	**AT**
Peak current at Mp and N=0	Arms	30	51	45	77	45	77
Continuous current	Arms	10	17	14	25	14	25
supply voltage AC	V	~ 540 DC					
Electrical resistance	Ohm	7.11	2.37	3.73	1.24	4.31	1.44
Electrical inductance	mH	61.9	20.6	34.4	11.5	41.3	13.8
Back EMF constant	V/(rad/s)	84.7	48.9	70.6	40.7	84.7	48.9

RM-36-562-...



Parameter	A, mm	B, mm	C, mm	Stator, Kg	Rotor, Kg
RM-36-562-25	115	56	30	46.3	6
RM-36-562-50	141	82	55	45	12
RM-36-562-75	165	106	80	61.5	16.7
RM-36-562-100	191	132	105	78.4	22
RM-36-562-125	241	182	155	111.8	32.8
RM-36-562-150	291	232	205	145	44

RM-36-562-...

Performance

Parameter	Unit	RM-36-562-25		RM-36-562-50		RM-36-562-75	
Rotor inertia	kgm²	0.8		1.6		2.3	
Peak torque	Nm	969		1937		2906	
Continuous torque	Nm	356		677		1016	
Bearing friction torque	Nm	12		12		12	
Detent torque	Nm	9		19		28	
3 phases winding combination	**unit**	**FS**	**FT**	**BS**	**BT**	**AS**	**AT**
Maximum velocity at Mp	rpm	14	55	30	71	34	75
Maximum velocity at Mw	rpm	37	83	50	99	52	102
Maximum velocity at Ma	rpm	50	100	61	114	63	116
Motor constant	Nm/W	15	15	25	25	33	33

Electrical

Parameter	Unit	RM-36-562-25		RM-36-562-50		RM-36-562-75	
3 phases winding combination	**Unit**	**FS**	**FT**	**BS**	**BT**	**AS**	**AT**
Peak current at Mp and N=0	Arms	14	24	30	51	45	77
Continuous current	Arms	5	8	10	17	14	25
supply voltage AC	V	~ 540 DC					
Electrical resistance	Ohm	16.56	5.52	5.29	1.76	3.02	1.01
Electrical inductance	mH	83.2	27.7	36.1	12	24.1	8
Back EMF constant	V/(rad/s)	61.8	35.7	57.6	33.3	57.6	33.3

RM-36-562-...

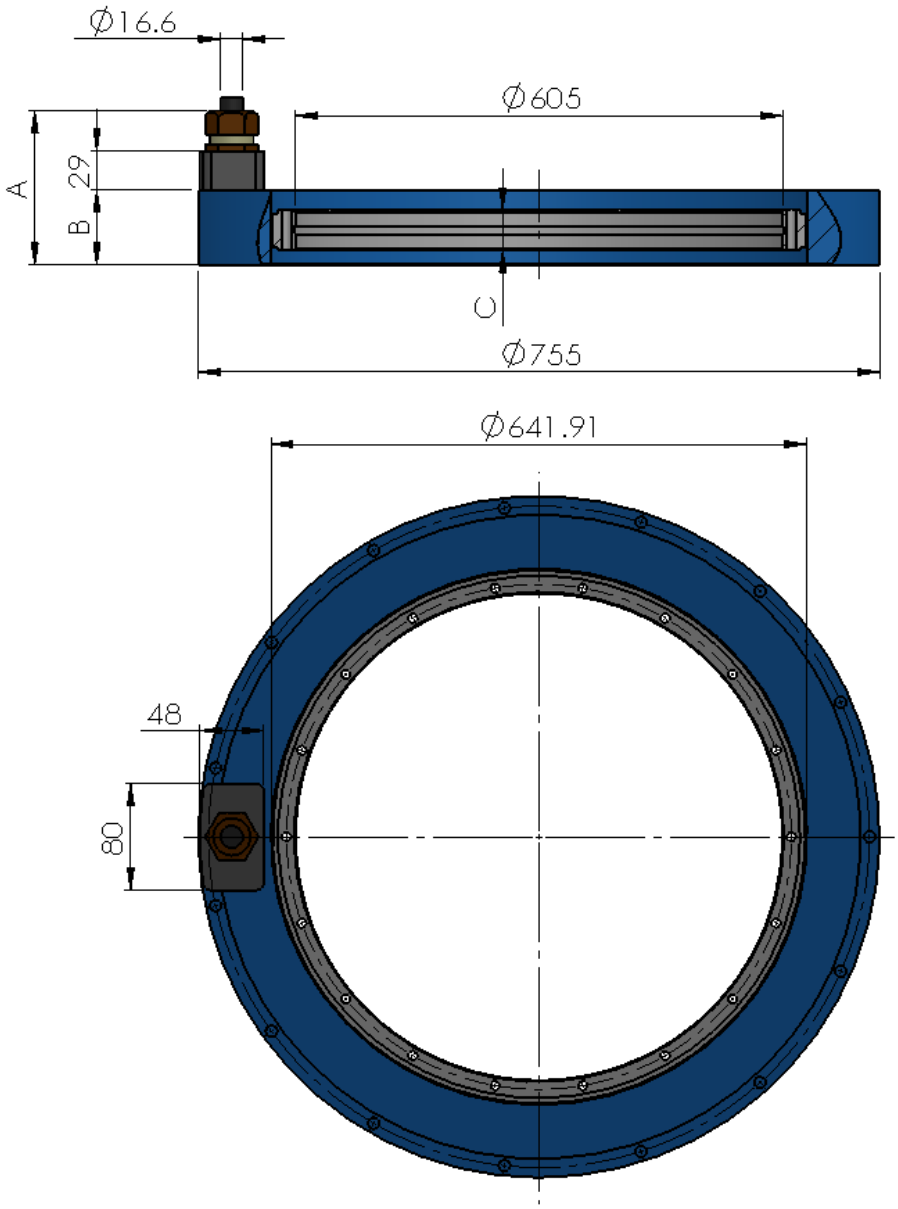
Performance

Parameter	Unit	RM-36-562-100		RM-36-562-125		RM-36-562-150	
Rotor inertia	kgm²	3.1		3.9		4.7	
Peak torque	Nm	3874		4843		5812	
Continuous torque	Nm	1355		1694		2032	
Bearing friction torque	Nm	12		12		12	
Detent torque	Nm	38		47		57	
3 phases winding combination	**unit**	**AS**	**AT**	**AS**	**AT**	**AS**	**AT**
Maximum velocity at Mp	rpm	21	53	13	39	8	30
Maximum velocity at Mw	rpm	37	74	27	57	21	46
Maximum velocity at Ma	rpm	45	85	35	67	28	55
Motor constant	Nm/W	40	40	46	46	51	51

Electrical

Parameter	Unit	RM-36-562-100		RM-36-562-125		RM-36-562-150	
3 phases winding combination	**Unit**	**AS**	**AT**	**AS**	**AT**	**AS**	**AT**
Peak current at Mp and N=0	Arms	45	77	45	77	45	77
Continuous current	Arms	14	25	14	25	14	25
supply voltage AC	V	~ 540 DC					
Electrical resistance	Ohm	3.69	1.23	4.36	1.45	5.03	1.68
Electrical inductance	mH	32.1	10.7	40.1	13.4	48.2	16.1
Back EMF constant	V/(rad/s)	76.4	44.4	96	55.4	115.2	66.5

RM-36-642-...



Parameter	A, mm	B, mm	C, mm	Stator, Kg	Rotor, Kg
RM-36-642-25	115	56	30	32	7
RM-36-642-50	141	82	55	51	13
RM-36-642-75	165	106	80	70	20
RM-36-642-100	191	132	105	90	26
RM-36-642-125	241	182	155	127	38
RM-36-642-150	291	232	205	165	51

RM-36-642-...

Performance

Parameter	Unit	RM-36-642-25		RM-36-642-50		RM-36-642-75	
Rotor inertia	kgm²	1.2		2.4		3.6	
Peak torque	Nm	1265		2530		3795	
Continuous torque	Nm	442		885		1327	
Bearing friction torque	Nm	12		12		12	
Detent torque	Nm	12		25		37	
3 phases winding combination	**unit**	**BS**	**BT**	**AS**	**AT**	**AS**	**AT**
Maximum velocity at Mp	rpm	53	116	42	89	23	55
Maximum velocity at Mw	rpm	81	156	62	119	38	77
Maximum velocity at Ma	rpm	96	177	73	134	47	88
Motor constant	Nm/W	18	18	31	31	41	41

Electrical

Parameter	Unit	RM-36-642-25		RM-36-642-50		RM-36-642-75	
3 phases winding combination	**Unit**	**BS**	**BT**	**AS**	**AT**	**AS**	**AT**
Peak current at Mp and N=0	Arms	30	51	45	77	45	77
Continuous current	Arms	10	17	14	25	14	25
supply voltage AC	V	~ 540 DC					
Electrical resistance	Ohm	4.33	1.44	2.69	0.9	3.45	1.15
Electrical inductance	mH	20.6	6.9	18.4	6.1	27.5	9.2
Back EMF constant	V/(rad/s)	37.6	21.7	50.2	29	75.3	43.4

RM-36-642-...

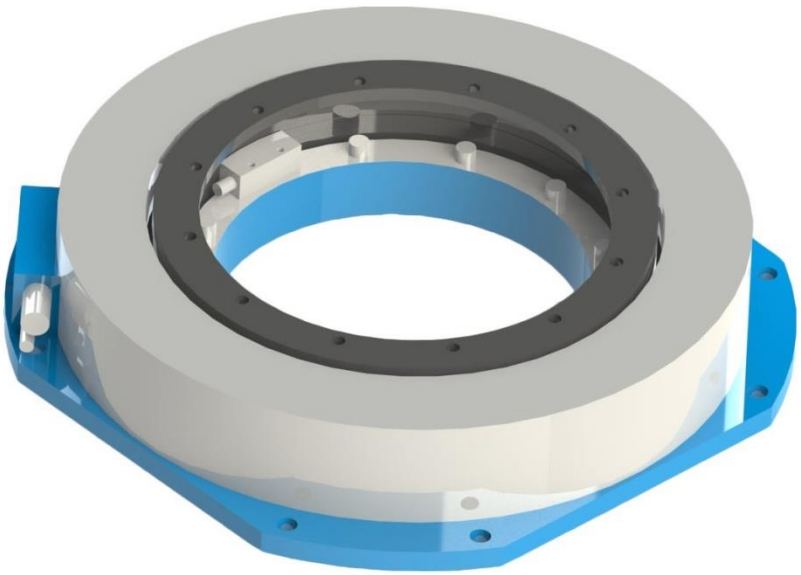
Performance

Parameter	Unit	RM-36-642-100		RM-36-642-125		RM-36-642-150	
Rotor inertia	kgm²	4.8		6		7.2	
Peak torque	Nm	5060		6325		7590	
Continuous torque	Nm	1770		2212		2654	
Bearing friction torque	Nm	12		12		12	
Detent torque	Nm	49		62		74	
3 phases winding combination	**unit**	**AS**	**AT**	**AS**	**AT**	**AS**	**AT**
Maximum velocity at Mp	rpm	14	38	8	28	3	21
Maximum velocity at Mw	rpm	27	55	19	42	14	34
Maximum velocity at Ma	rpm	34	64	26	50	20	41
Motor constant	Nm/W	49	49	56	56	63	63

Electrical

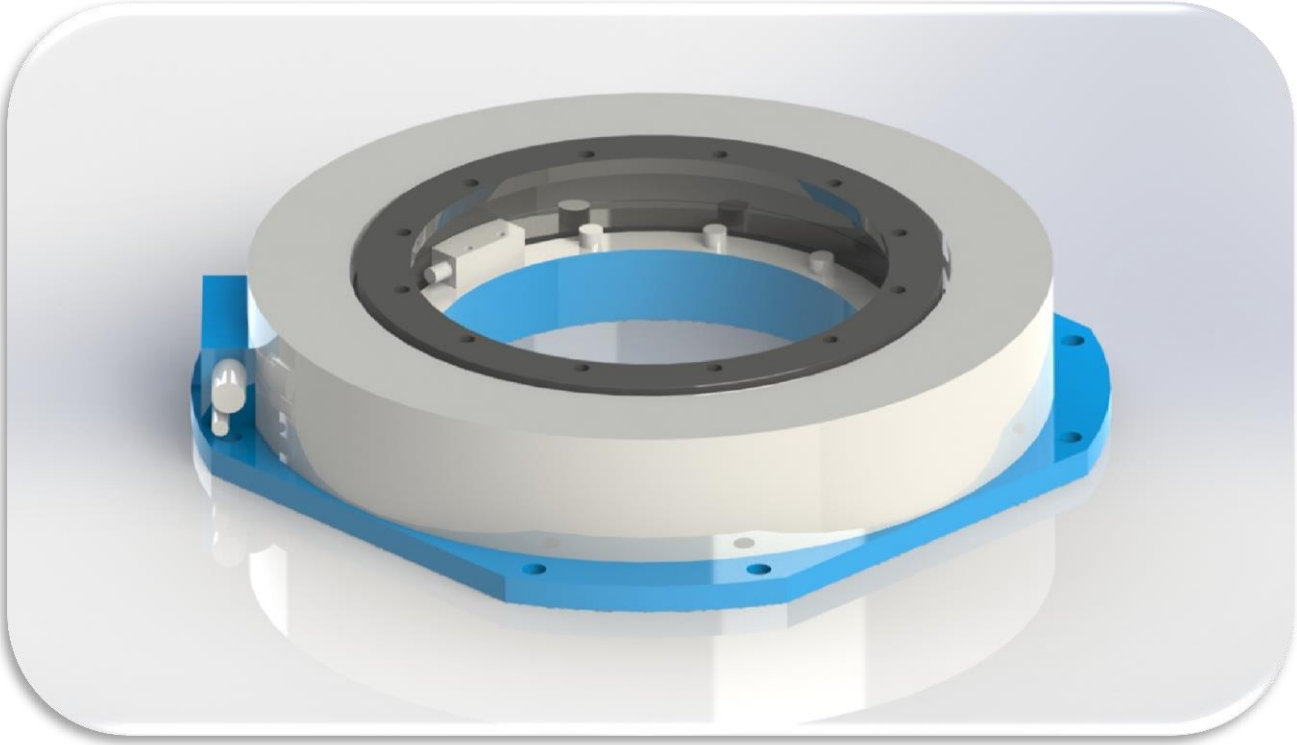
Parameter	Unit	RM-36-642-100		RM-36-642-125		RM-36-642-150	
3 phases winding combination	**Unit**	**AS**	**AT**	**AS**	**AT**	**AS**	**AT**
Peak current at Mp and N=0	Arms	45	77	45	77	45	77
Continuous current	Arms	14	25	14	25	14	25
supply voltage AC	V	~ 540 DC					
Electrical resistance	Ohm	4.22	1.41	4.98	1.66	5.74	1.91
Electrical inductance	mH	36.7	12.2	45.9	15.3	55.1	18.4
Back EMF constant	V/(rad/s)	100.3	57.9	125.4	72.4	150.5	86.9

RT Series



Ruch servomotor

RT-24-214..



Performance

Parameter	Unit	RT-24-214-25		RT-24-214-50		RT-24-214-75	
Rotor inertia	kgm²	0.02		0.04		0.06	
Peak torque	Nm	97		194		291	
Continuous torque	Nm	38		76		115	
Bearing friction torque	Nm	3		3		3	
Detent torque	Nm	2		4		6	
3 phases winding combination	**Unit**	**GS**	**GT**	**GS**	**GT**	**GS**	**GT**
Maximum velocity at Mp	rpm	82	244	9	96	1	44
Maximum velocity at Ma	rpm	226	426	103	203	62	129
Maximum velocity at Mb	rpm	277	483	139	242	93	162

RT-24-214..

Electrical

Parameter	Unit	RT-24-214-25		RT-24-214-50		RT-24-214-75	
3 phases winding combination	**Unit**	**GS**	**GT**	**GS**	**GT**	**GS**	**GT**
Peak current at Mp and N=0	Arms	13	22.5	13	22.5	13	22.5
Continuous current	Arms	3.4	5.9	3.4	5.9	3.4	5.9
supply voltage AC	V	3 x ~220 V AC					
Electrical resistance	Ohm	8.8	2.9	12.3	4.1	15.8	5.3
Electrical inductance	mH	21	7	43	14	64	21

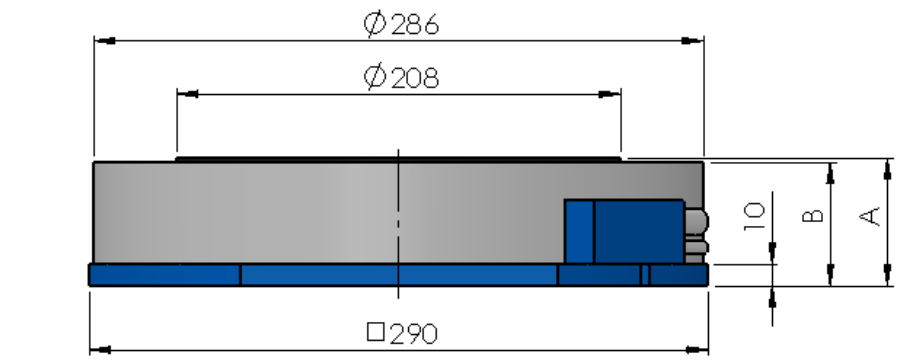
Precision

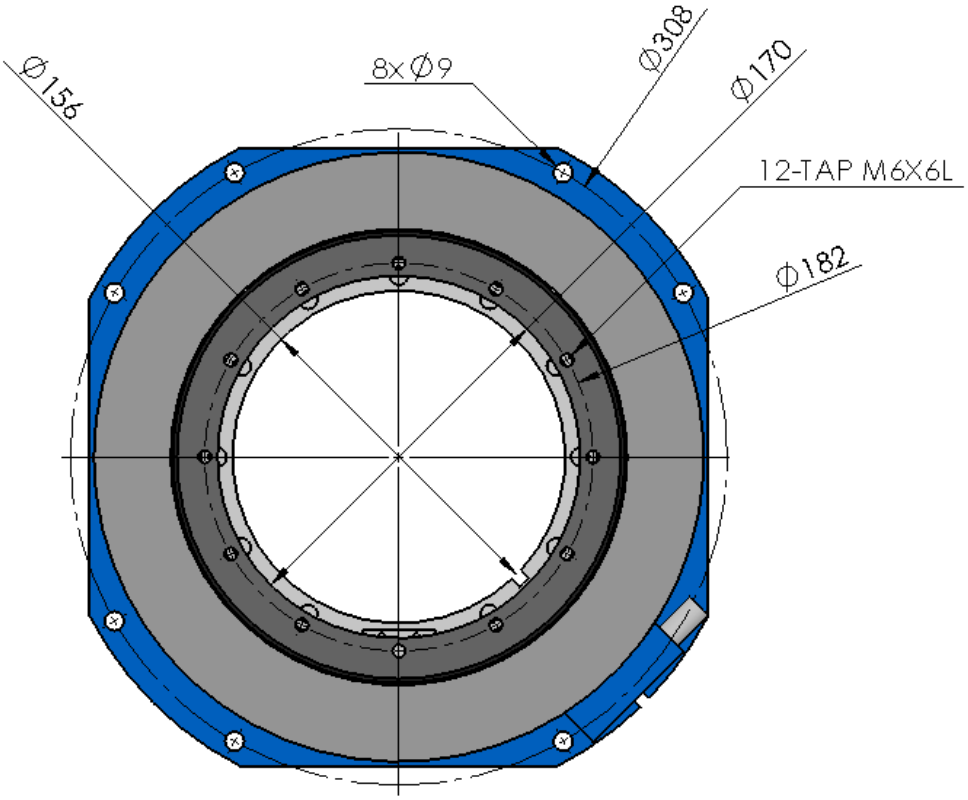
Parameter	Unit	RT-24-214-25	RT-24-214-50	RT-24-214-75
Axial run-out	micron	30		
radial run-out	micron	30		
Position accuracy	arc.sec	50		
Repeatability	arc.sec	5		
Number of encoder lines		600		
Resolution	arc.sec	2		

Load on output flange

Parameter	Unit	RT-24-214-25	RT-24-214-50	RT-24-214-75
Maximal axial payload	micron	70		
Maximal radial payload	micron	20		
Maximal payload tilting torque	arc.sec	50		

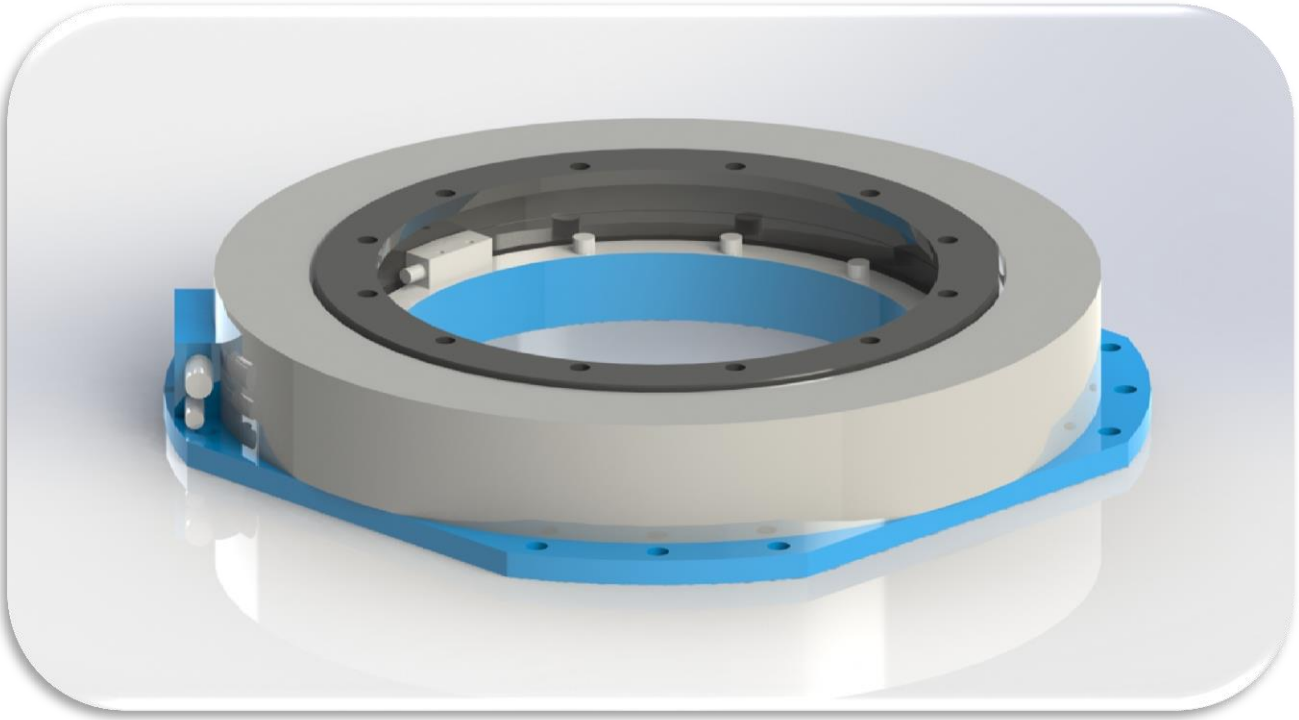
RT-24-214..





Parameter	A, mm	B, mm	Weight, Kg
RT-24-214-25	60	58	20
RT-24-214-50	85	83	27
RT-24-214-75	110	108	34

RT-24-268..



Performance

Parameter	Unit	RT-24-268-25		RT-24-268-50		RT-24-268-75	
Rotor inertia	kgm²	0.04		0.07		0.11	
Peak torque	Nm	199		398		597	
Continuous torque	Nm	54		108		162	
Bearing friction torque	Nm	4		4		4	
Detent torque	Nm	3		6		9	
3 phases winding combination	**Unit**	**GS**	**GT**	**GS**	**GT**	**GS**	**GT**
Maximum velocity at Mp	rpm	71	163	13	64	6	29
Maximum velocity at Ma	rpm	158	288	72	139	43	88
Maximum velocity at Mb	rpm	193	334	97	168	65	112

RT-24-268..

Electrical

Parameter	Unit	RT-24-268-25		RT-24-268-50		RT-24-268-75	
3 phases winding combination	**Unit**	**GS**	**GT**	**GS**	**GT**	**GS**	**GT**
Peak current at Mp and N=0	Arms	13	22.5	13	22.5	13	22.5
Continuous current	Arms	3.4	5.9	3.4	5.9	3.4	5.9
supply voltage AC	V	3 x ~220 V AC					
Electrical resistance	Ohm	6.7	2.2	11	3.7	15.4	5.1
Electrical inductance	mH	33	11	66	22	99	33

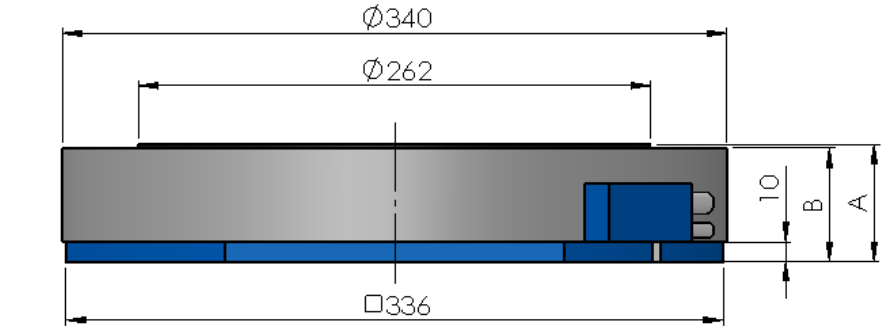
Precision

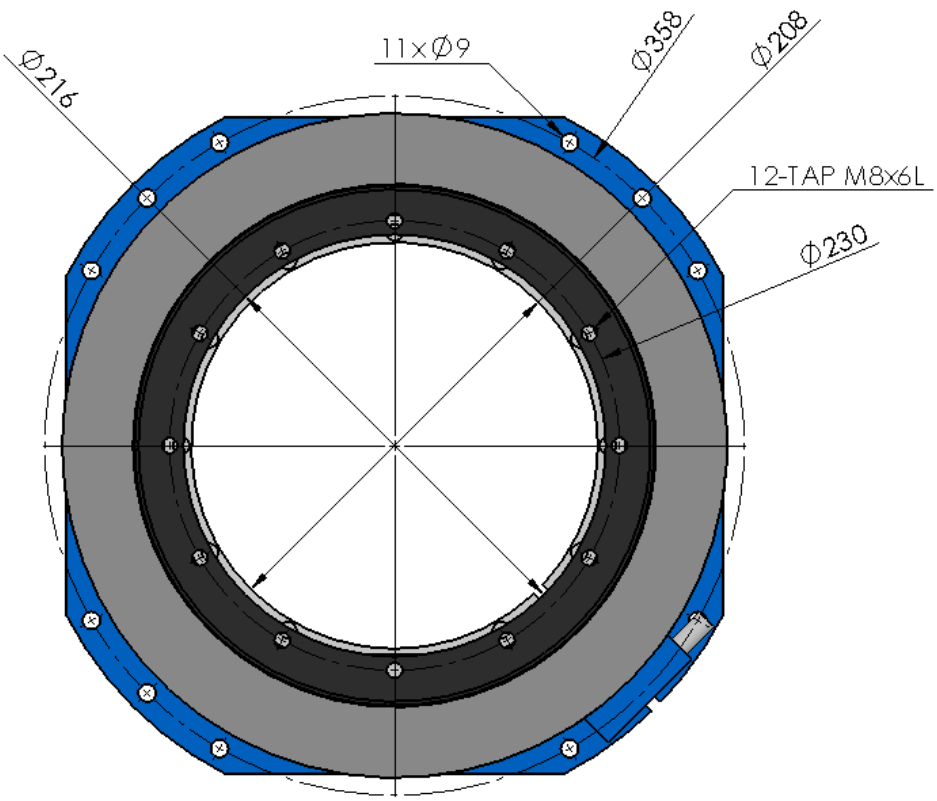
Parameter	Unit	RT-24-268-25	RT-24-268-50	RT-24-268-75
Axial run-out	micron	30		
radial run-out	micron	30		
Position accuracy	arc.sec.	50		
Repeatability	arc.sec.	5		
Number of encoder lines		740		
Resolution	arc.sec.	2		

Load on output flange

Parameter	Unit	RT-24-268-25	RT-24-268-50	RT-24-268-75
Maximal axial payload	micron	100		
Maximal radial payload	micron	30		
Maximal payload tilting torque	arc.sec.	70		

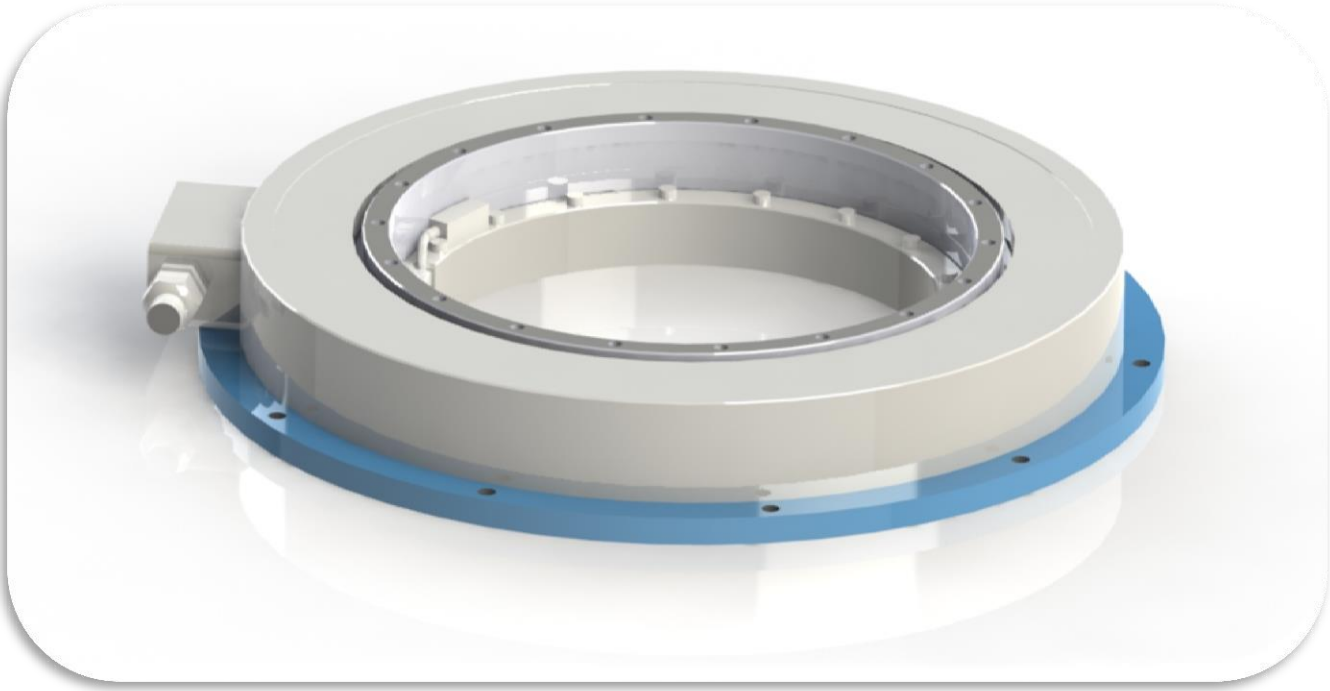
RT-24-268..





Parameter	A, mm	B, mm	Weight, Kg
RT-24-268-25	60	58	25
RT-24-268-50	85	83	34
RT-24-268-75	110	108	42

RT-36-321..



Performance

Parameter	Unit	RT-36-321-25		RT-36-321-50		RT-36-321-75	
Rotor inertia	kgm²	0.1		0.2		0.3	
Peak torque	Nm	214		429		643	
Continuous torque	Nm	109		219		313	
Bearing friction torque	Nm	5		5		5	
Detent torque	Nm	3		6		9	
3 phases winding combination	**Unit**	**FS**	**FT**	**FS**	**FT**	**BS**	**BT**
Maximum velocity at Mp	rpm	117	246	46	111	88	180
Maximum velocity at Ma	rpm	191	353	89	170	140	257
Maximum velocity at Mb	rpm	237	410	118	205	169	292

RT-36-321..

Electrical

Parameter	Unit	RT-36-321-25		RT-36-321-50		RT-36-321-75	
3 phases winding combination	**Unit**	**FS**	**FT**	**FS**	**FT**	**BS**	**BT**
Peak current at Mp and N=0	Arms	12.2	21.1	12.2	21.1	26.1	45.1
Continuous current	Arms	4.7	8.2	4.7	8.2	9.6	16.6
supply voltage AC	V	3 x ~380 V AC					
Electrical resistance	Ohm	9.3	3.1	13.0	4.3	3.8	1.3
Electrical inductance	mH	48	16	95	32	31	11

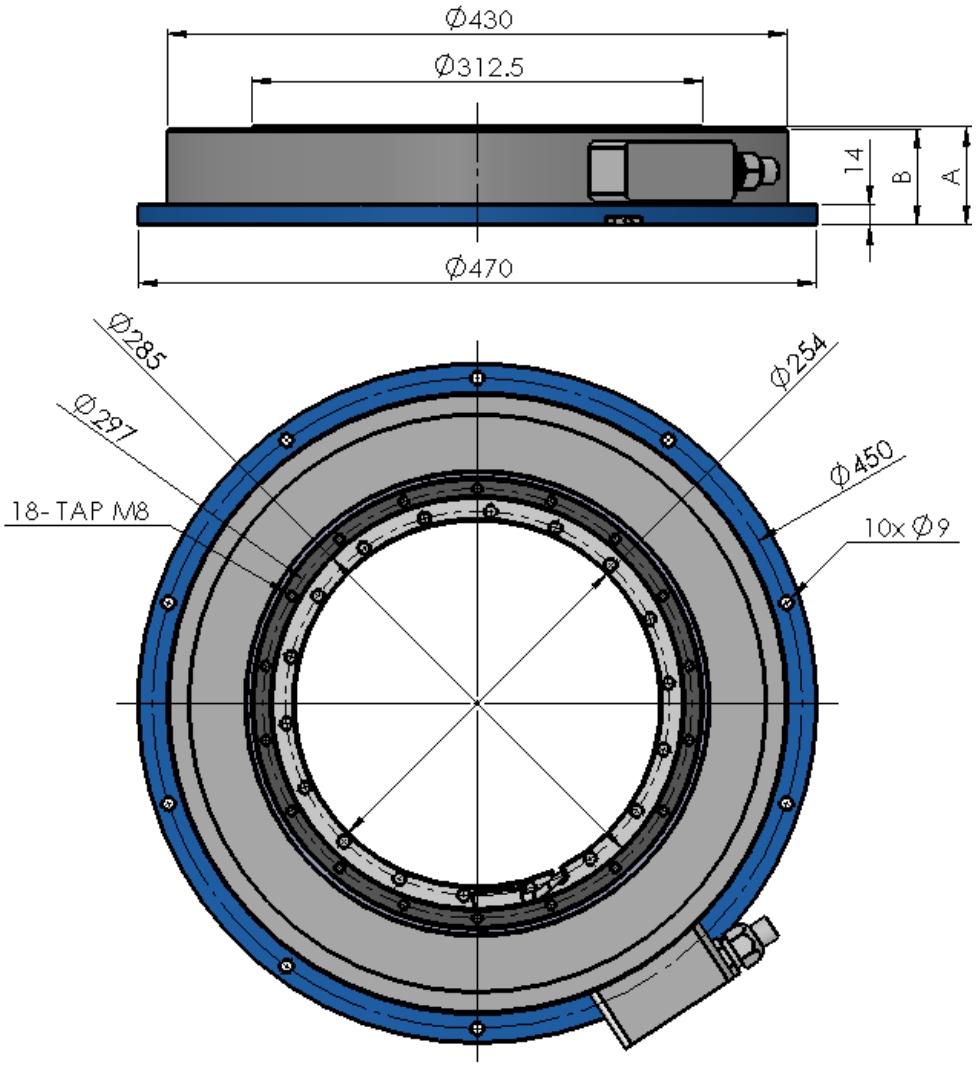
Precision

Parameter	Unit	RT-36-321-25	RT-36-321-50	RT-36-321-75
Axial run-out	micron	40		
radial run-out	micron	40		
Position accuracy	arc.sec.	50		
Repeatability	arc.sec.	5		
Number of encoder lines		900		
Resolution	arc.sec.	1		

Load on output flange

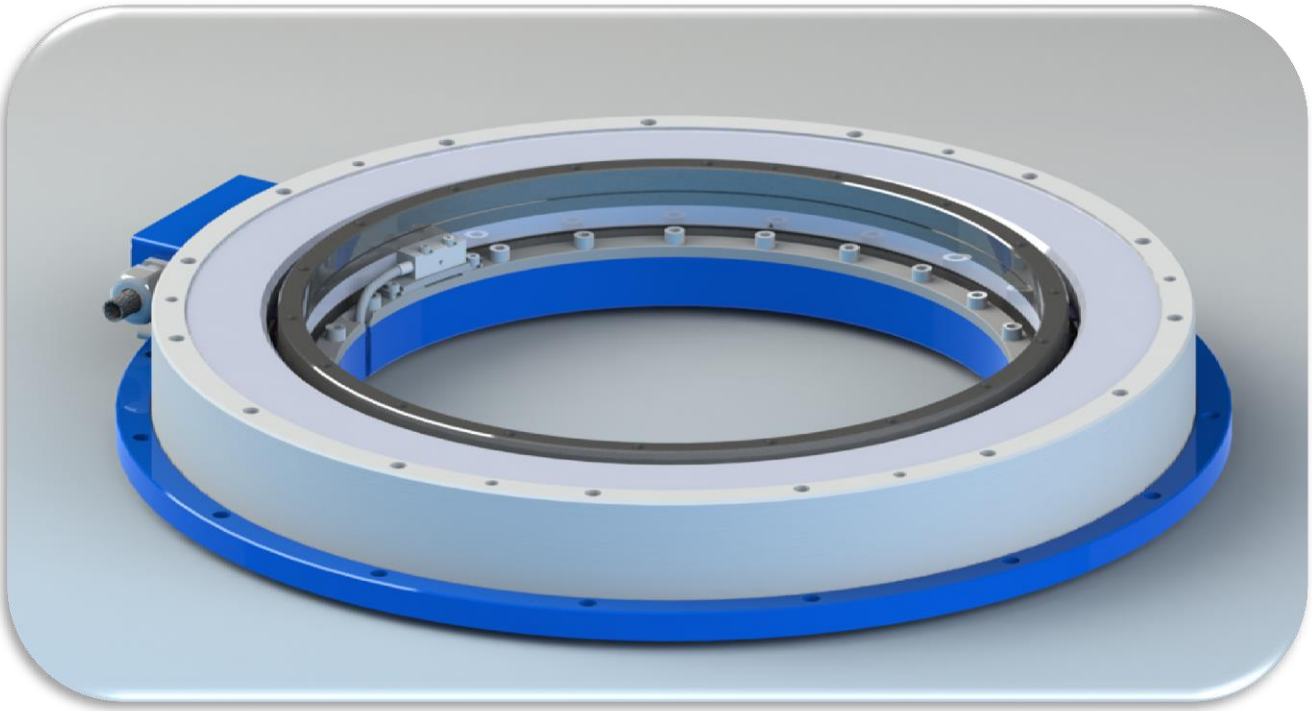
Parameter	Unit	RT-36-321-25	RT-36-321-50	RT-36-321-75
Maximal axial payload	micron	300		
Maximal radial payload	micron	100		
Maximal payload tilting torque	arc.sec.	200		

RT-36-321..



Parameter	A, mm	B, mm	Weight, Kg
RT-36-321-25	68.4	66.4	42
RT-36-321-50	93.4	91.4	55
RT-36-321-75	118.4	116.4	68

RT-36-401..



Performance

Parameter	Unit	RT-36-401-25		RT-36-401-50		RT-36-401-75	
Rotor inertia	kgm²	0.16		0.32		0.48	
Peak torque	Nm	335		669		1004	
Continuous torque	Nm	171		326		489	
Bearing friction torque	Nm	5		5		5	
Detent torque	Nm	5		10		14	
3 phases winding combination	**Unit**	**FS**	**FT**	**BS**	**BT**	**BS**	**BT**
Maximum velocity at Mp	rpm	65	148	86	173	50	109
Maximum velocity at Ma	rpm	117	221	135	247	87	161
Maximum velocity at Mb	rpm	152	262	161	280	108	187

RT-36-401..

Electrical

Parameter	Unit	RT-36-401-25		RT-36-401-50		RT-36-401-75	
3 phases winding combination	**Unit**	**FS**	**FT**	**BS**	**BT**	**BS**	**BT**
Peak current at Mp and N=0	Arms	12.2	21.1	26.1	45.1	26.1	45.1
Continuous current	Arms	4.7	8.2	9.6	16.6	9.6	16.6
supply voltage AC	V	3 x ~380 V AC					
Electrical resistance	Ohm	16	5	3.8	1.3	4.9	1.6
Electrical inductance	mH	60	20	26	9	39	13

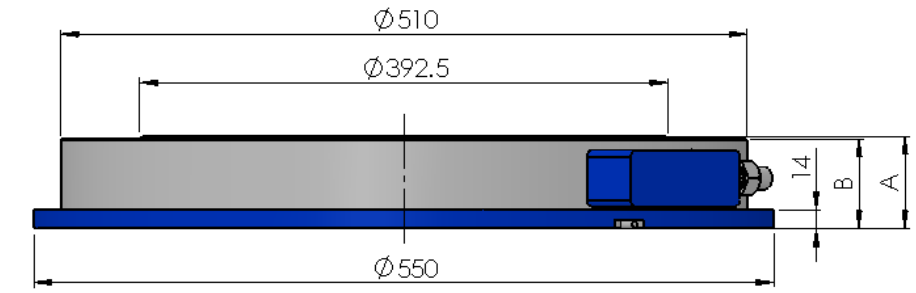
Precision

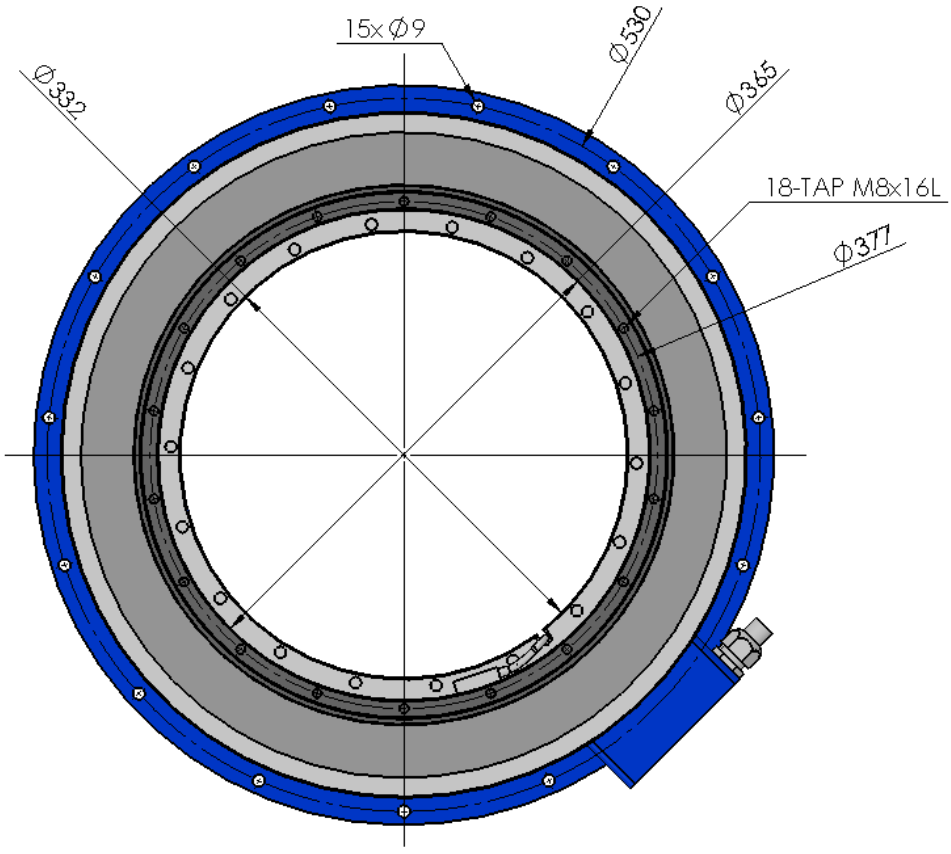
Parameter	Unit	RT-36-401-25	RT-36-401-50	RT-36-401-75
Axial run-out	micron	40		
radial run-out	micron	40		
Position accuracy	arc.sec.	50		
Repeatability	arc.sec.	5		
Number of encoder lines		1152		
Resolution	arc.sec.	1		

Load on output flange

Parameter	Unit	RT-36-401-25	RT-36-401-50	RT-36-401-75
Maximal axial payload	micron	370		
Maximal radial payload	micron	120		
Maximal payload tilting torque	arc.sec.	250		

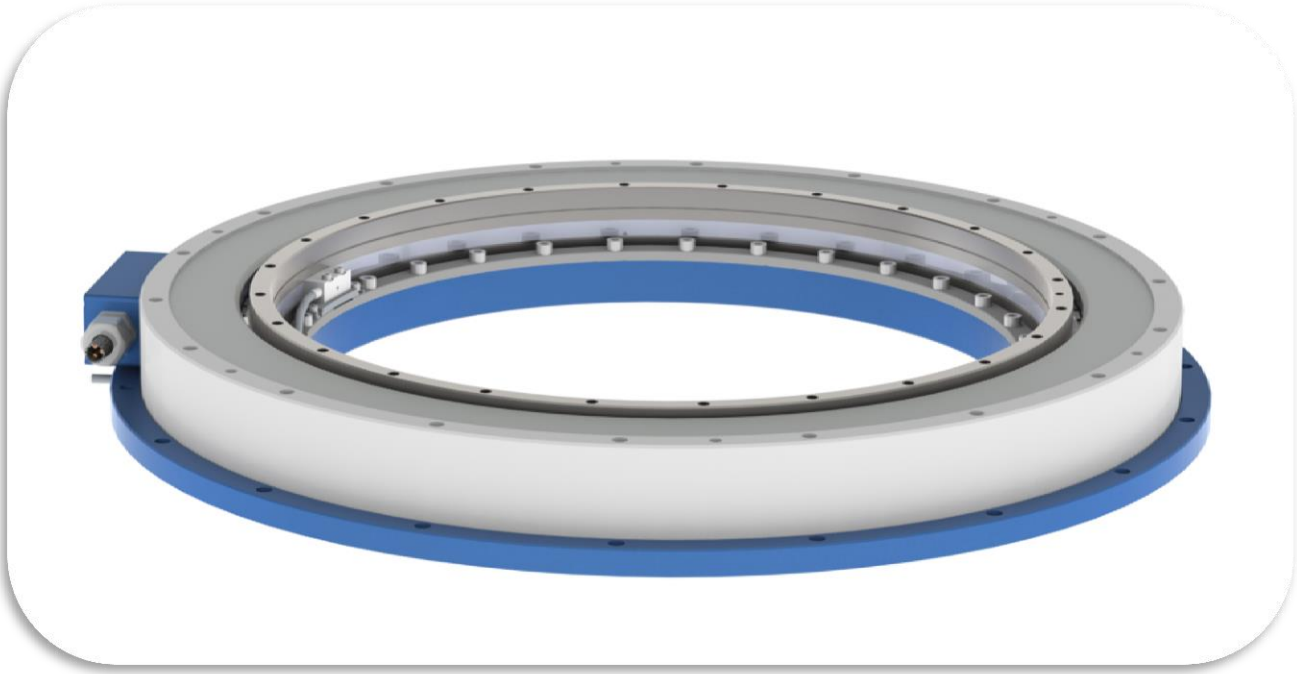
RT-36-401..





Parameter	A, mm	B, mm	Weight, Kg
RT-36-401-25	68.4	66.4	47
RT-36-401-50	93.4	91.4	62
RT-36-401-75	118.4	116.4	77

RT-36-482..



Performance

Parameter	Unit	RT-36-482-25		RT-36-482-50		RT-36-482-75	
Rotor inertia	kgm²	0.3		0.6		0.9	
Peak torque	Nm	482		964		1446	
Continuous torque	Nm	246		469		704	
Bearing friction torque	Nm	8		8		8	
Detent torque	Nm	7		14		21	
3 phases winding combination	**Unit**	**FS**	**FT**	**BS**	**BT**	**BS**	**BT**
Maximum velocity at Mp	rpm	38	96	55	116	31	72
Maximum velocity at Ma	rpm	78	150	91	169	58	110
Maximum velocity at Mb	rpm	105	182	112	195	75	130

RT-36-482..

Electrical

Parameter	Unit	RT-36-482-25		RT-36-482-50		RT-36-482-75	
3 phases winding combination	**Unit**	**FS**	**FT**	**BS**	**BT**	**BS**	**BT**
Peak current at Mp and N=0	Arms	12.2	21.1	26.1	45.1	26.1	45.1
Continuous current	Arms	4.7	8.2	9.6	16.6	9.6	16.6
supply voltage AC	V	3 x ~380 V AC					
Electrical resistance	Ohm	14	5	4.5	1.5	6	2
Electrical inductance	mH	72	24	31	10	46	16

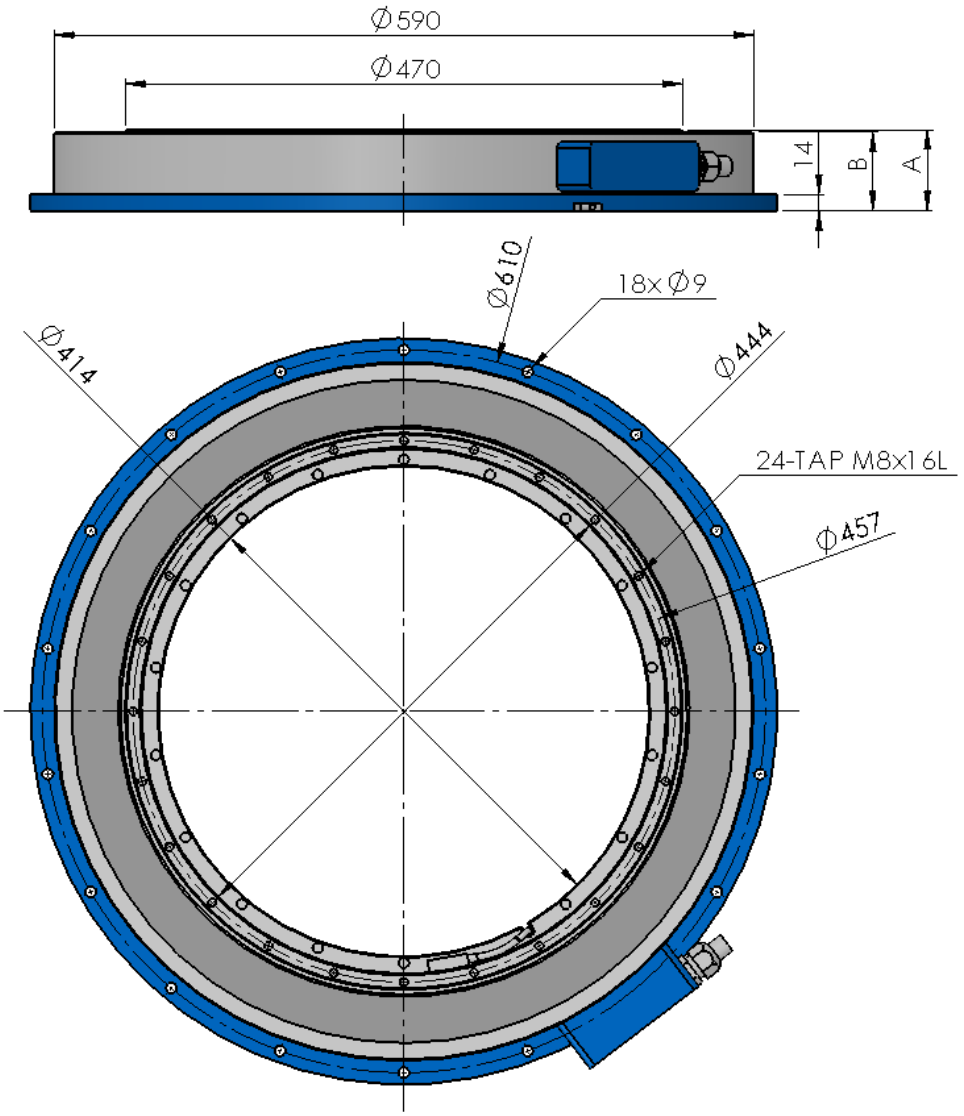
Precision

Parameter	Unit	RT-36-482-25	RT-36-482-50	RT-36-482-75
Axial run-out	micron	40		
radial run-out	micron	40		
Position accuracy	arc.sec.	40		
Repeatability	arc.sec.	4		
Number of encoder lines		1400		
Resolution	arc.sec.	1		

Load on output flange

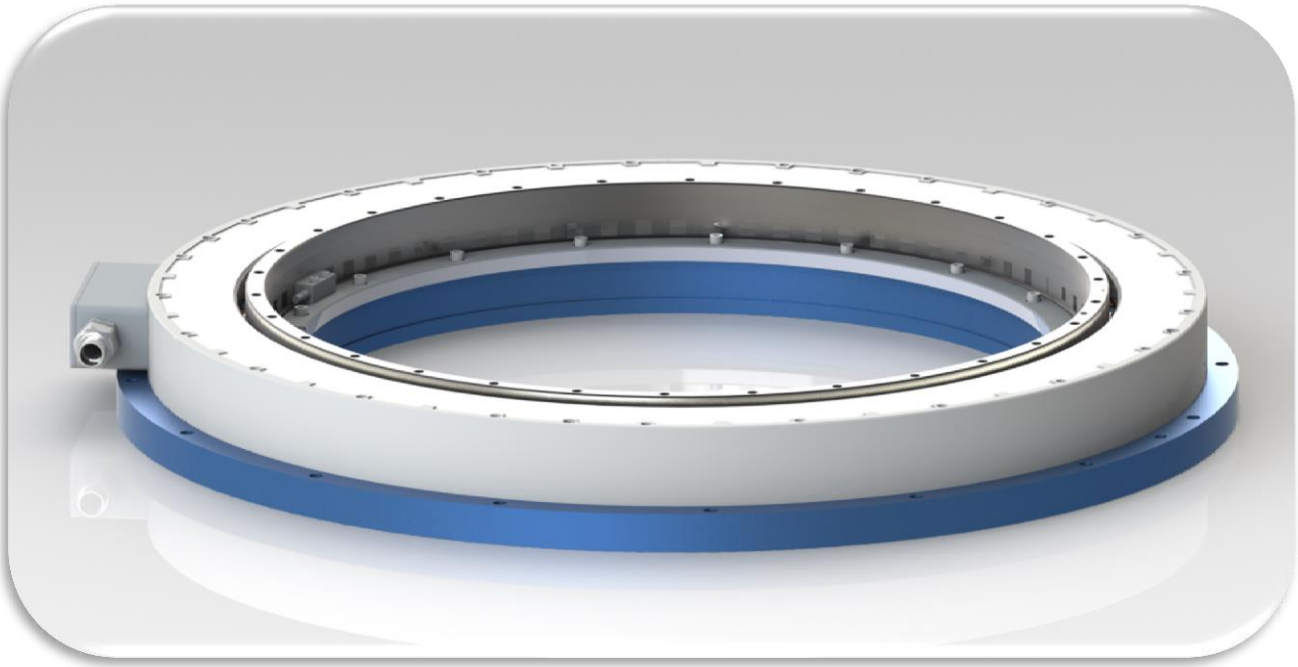
Parameter	Unit	RT-36-482-25	RT-36-482-50	RT-36-482-75
Maximal axial payload	micron	450		
Maximal radial payload	micron	150		
Maximal payload tilting torque	arc.sec.	300		

RT-36-482..



Parameter	A, mm	B, mm	Weight, Kg
RT-36-482-25	68.4	66.4	56
RT-36-482-50	93.4	91.4	74
RT-36-482-75	118.4	116.4	92

RT-36-562..



Performance

Parameter	Unit	RT-36-562-25		RT-36-562-50		RT-36-562-75	
Rotor inertia	kgm²	0.5		1		1.5	
Peak torque	Nm	656		1312		1967	
Continuous torque	Nm	335		638		958	
Bearing friction torque	Nm	12		12		12	
Detent torque	Nm	9		19		28	
3 phases winding combination	**Unit**	**FS**	**FT**	**BS**	**BT**	**BS**	**BT**
Maximum velocity at Mp	rpm	22	66	36	82	19	50
Maximum velocity at Ma	rpm	54	108	65	122	41	79
Maximum velocity at Mb	rpm	77	134	83	143	55	95

RT-36-562..

Electrical

Parameter	Unit	RT-36-562-25		RT-36-562-50		RT-36-562-75	
3 phases winding combination	Unit	FS	FT	BS	BT	BS	BT
Peak current at Mp and N=0	Arms	12.2	21.1	26.1	45.1	26.1	45.1
Continuous current	Arms	4.7	8.2	9.6	16.6	9.6	16.6
supply voltage AC	V	3 x ~380 V AC					
Electrical resistance	Ohm	17	6	5	2	3	1
Electrical inductance	mH	83	28	36	12	24	8

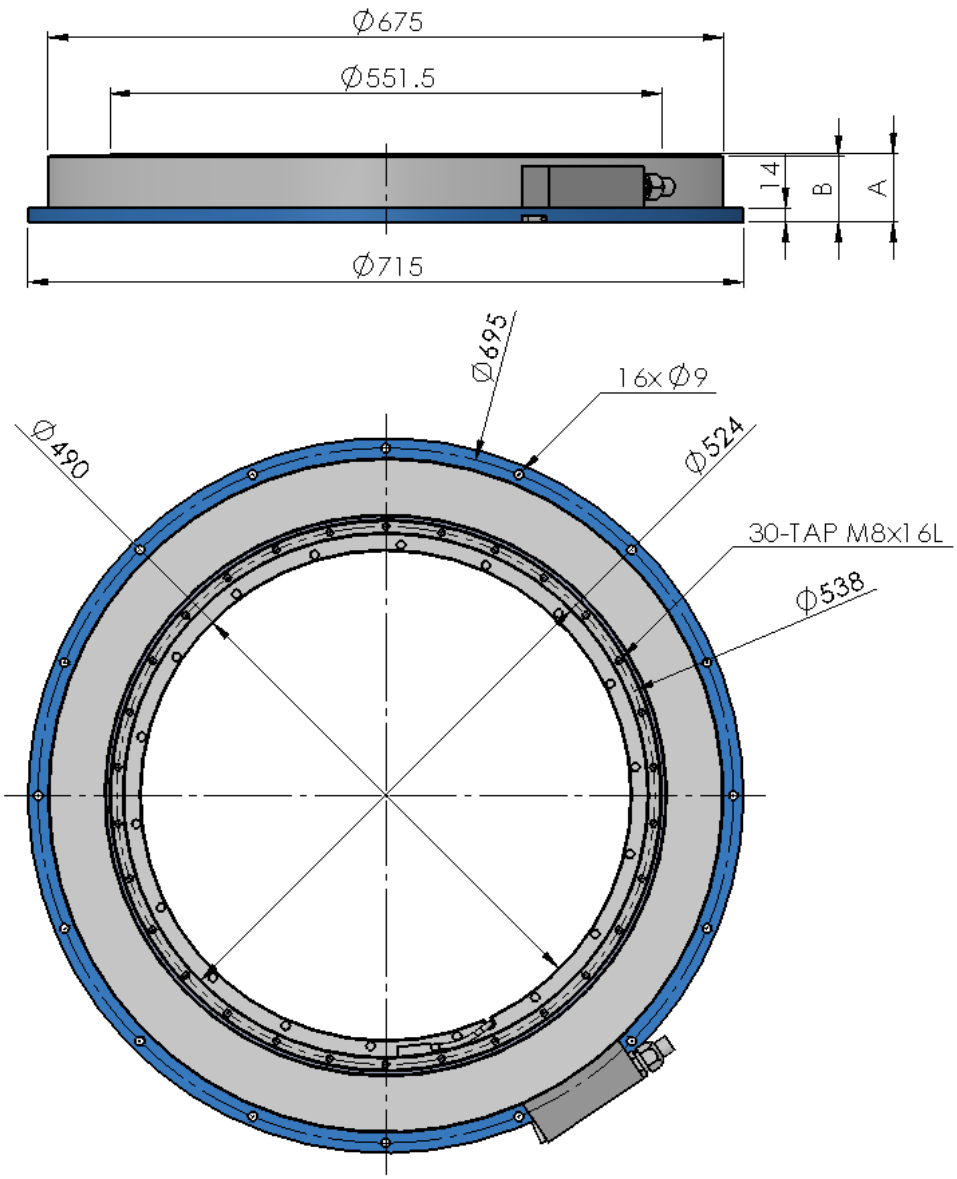
Precision

Parameter	Unit	RT-36-562-25	RT-36-562-50	RT-36-562-75
Axial run-out	micron	40		
radial run-out	micron	40		
Position accuracy	arc.sec.	30		
Repeatability	arc.sec.	3		
Number of encoder lines		1656		
Resolution	arc.sec.	1		

Load on output flange

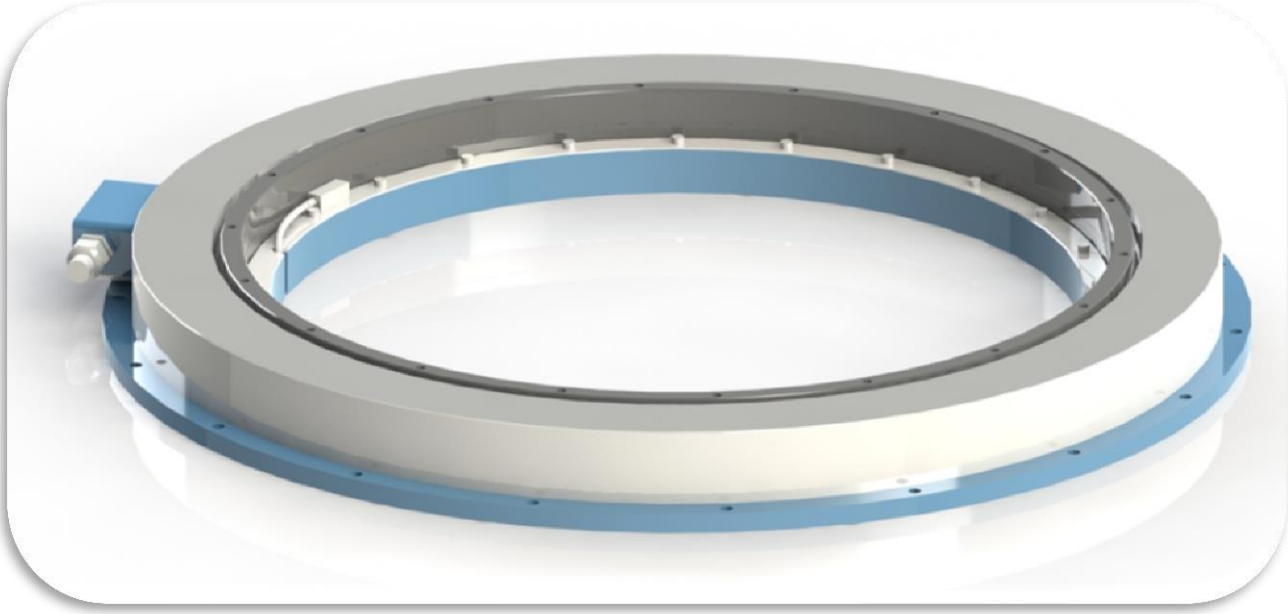
Parameter	Unit	RT-36-562-25	RT-36-562-50	RT-36-562-75
Maximal axial payload	micron	520		
Maximal radial payload	micron	170		
Maximal payload tilting torque	arc.sec.	350		

RT-36-562..



Parameter	A, mm	B, mm	Weight, Kg
RT-36-562-25	68.4	66.4	66
RT-36-562-50	93.4	91.4	91
RT-36-562-75	118.4	116.4	116

RT-36-642..



Performance

Parameter	Unit	RT-36-642-25		RT-36-642-50		RT-36-642-75	
Rotor inertia	kgm²	0.7		1.4		2.0	
Peak torque	Nm	856		1713		2569	
Continuous torque	Nm	417		829		1244	
Bearing friction torque	Nm	20		20		20	
Detent torque	Nm	12		25		37	
3 phases winding combination	**Unit**	**BS**	**BT**	**AS**	**AT**	**AS**	**AT**
Maximum velocity at Mp	rpm	63	132	49	101	28	63
Maximum velocity at Ma	rpm	103	191	79	146	50	94
Maximum velocity at Mb	rpm	127	219	95	165	64	110

RT-36-642..

Electrical

Parameter	Unit	RT-36-642-25		RT-36-642-50		RT-36-642-75	
3 phases winding combination	**Unit**	**BS**	**BT**	**AS**	**AT**	**AS**	**AT**
Peak current at Mp and N=0	Arms	26.1	45.1	39.3	68.0	39.3	68
Continuous current	Arms	9.6	16.6	14.4	24.9	14.4	24.9
supply voltage AC	V	3 x ~380 V AC					
Electrical resistance	Ohm	4.3	1.4	2.7	0.9	3.5	1.1
Electrical inductance	mH	21	7	18	6	27	9

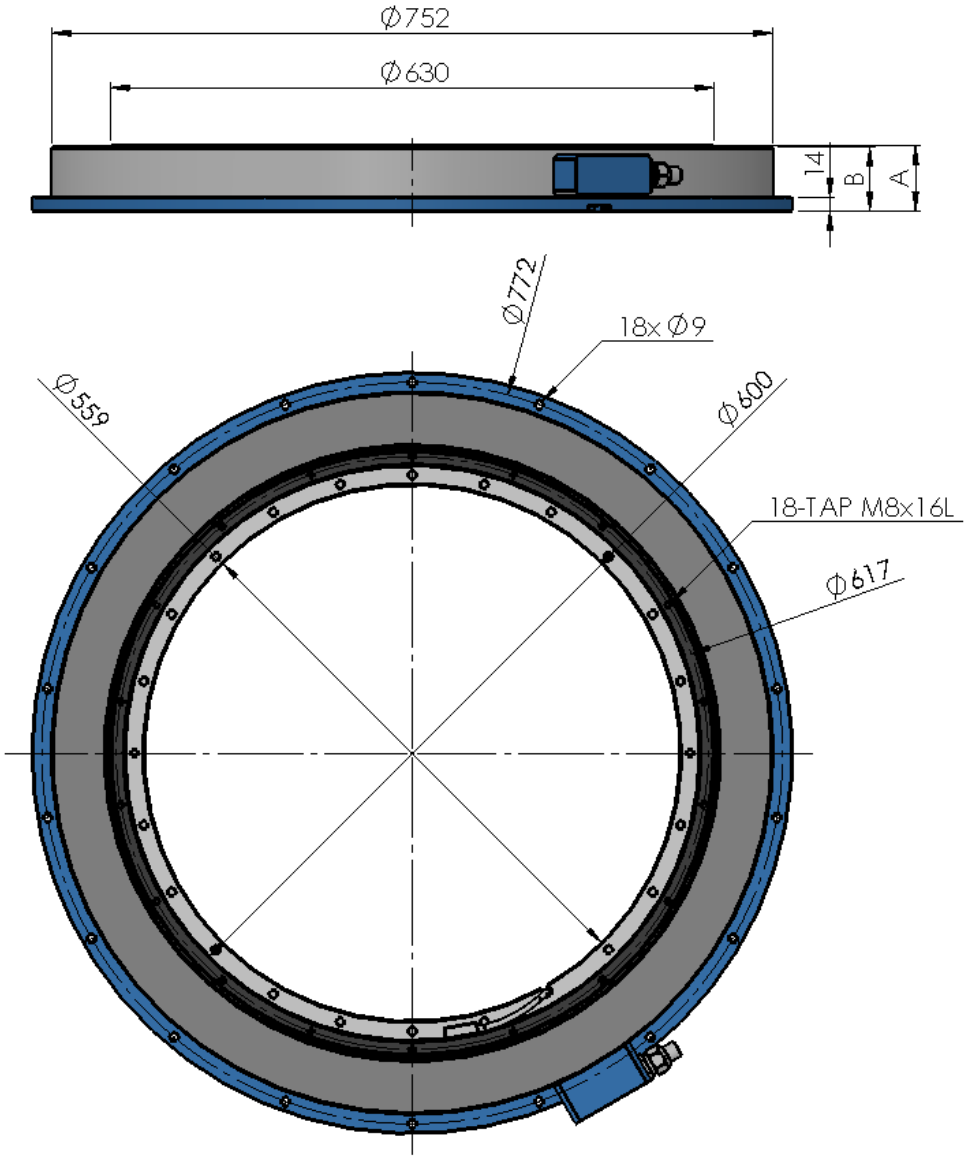
Precision

Parameter	Unit	RT-36-642-25	RT-36-642-50	RT-36-642-75
Axial run-out	micron	40		
radial run-out	micron	40		
Position accuracy	arc.sec.	30		
Repeatability	arc.sec.	3		
Number of encoder lines		1888		
Resolution	arc.sec.	1		

Load on output flange

Parameter	Unit	RT-36-642-25	RT-36-642-50	RT-36-642-75
Maximal axial payload	micron	600		
Maximal radial payload	micron	200		
Maximal payload tilting torque	arc.sec.	400		

RT-36-642..



Parameter	A, mm	B, mm	Weight, Kg
RT-36-642-25	68.4	66.4	74
RT-36-642-50	93.4	91.4	98
RT-36-642-75	118.4	116.4	122

RT-36-1123..



Performance

Parameter	Unit	RT-36-1123-25		RT-36-1123-50		RT-36-1123-75	
Rotor inertia	kgm²	4		8		12	
Peak torque	Nm	2622		5245		7867	
Continuous torque	Nm	1270		2540		3809	
Bearing friction torque	Nm	40		40		40	
Detent torque	Nm	38		75		113	
3 phases winding combination	**Unit**	**AS**	**AT**	**AS**	**AT**	**AS**	**AT**
Maximum velocity at Mp	rpm	28	62	10	28	4	16
Maximum velocity at Ma	rpm	50	93	23	45	14	28
Maximum velocity at Mb	rpm	62	108	31	54	21	36

RT-36-1123..

Electrical

Parameter	Unit	RT-36-1123-25		RT-36-1123-50		RT-36-1123-75	
3 phases winding combination	Unit	AS	AT	AS	AT	AS	AT
Peak current at Mp and N=0	Arms	39.3	68.0	39.3	68.0	39.3	68.0
Continuous current	Arms	14.4	24.9	14.4	24.9	14.4	24.9
supply voltage AC	V	3 x ~330 V AC					
Electrical resistance	Ohm	3.4	1.1	4.7	1.6	6.1	2.0
Electrical inductance	mH	16	5	32	11	48	16

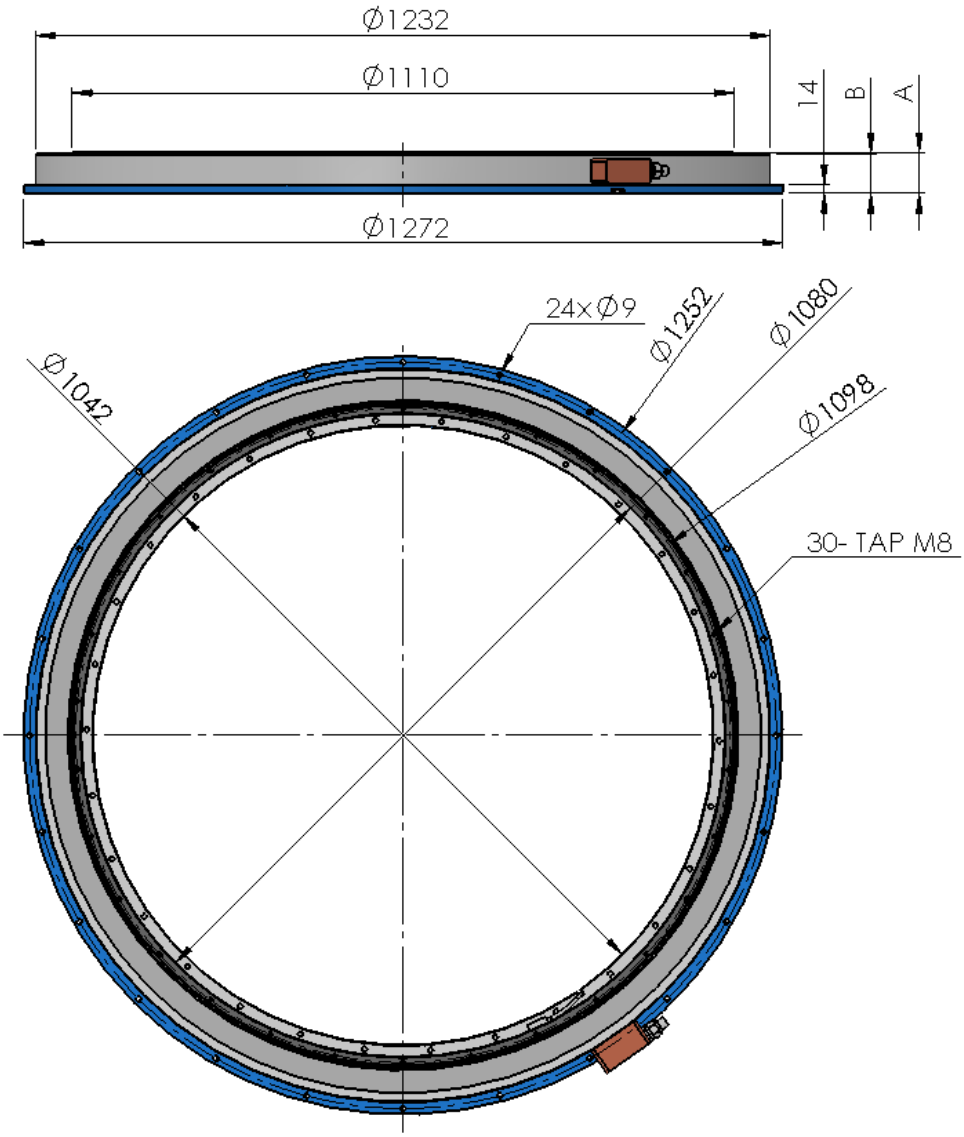
Precision

Parameter	Unit	RT-36-1123-25	RT-36-1123-50	RT-36-1123-75
Axial run-out	micron	40		
radial run-out	micron	40		
Position accuracy	arc.sec.	30		
Repeatability	arc.sec.	3		
Number of encoder lines		3400		
Resolution	arc.sec.	1		

Load on output flange

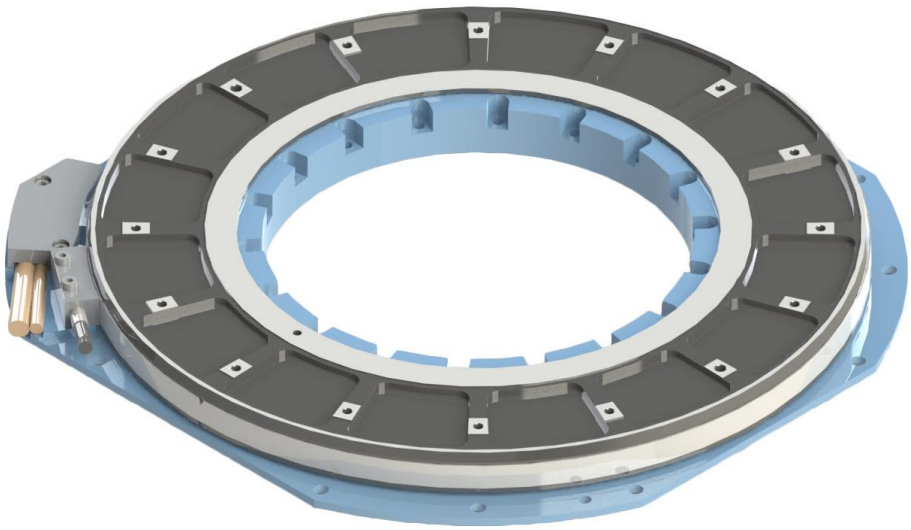
Parameter	Unit	RT-36-1123-25	RT-36-1123-50	RT-36-1123-75
Maximal axial payload	micron	1000		
Maximal radial payload	micron	350		
Maximal payload tilting torque	arc.sec.	700		

RT-36-1123..



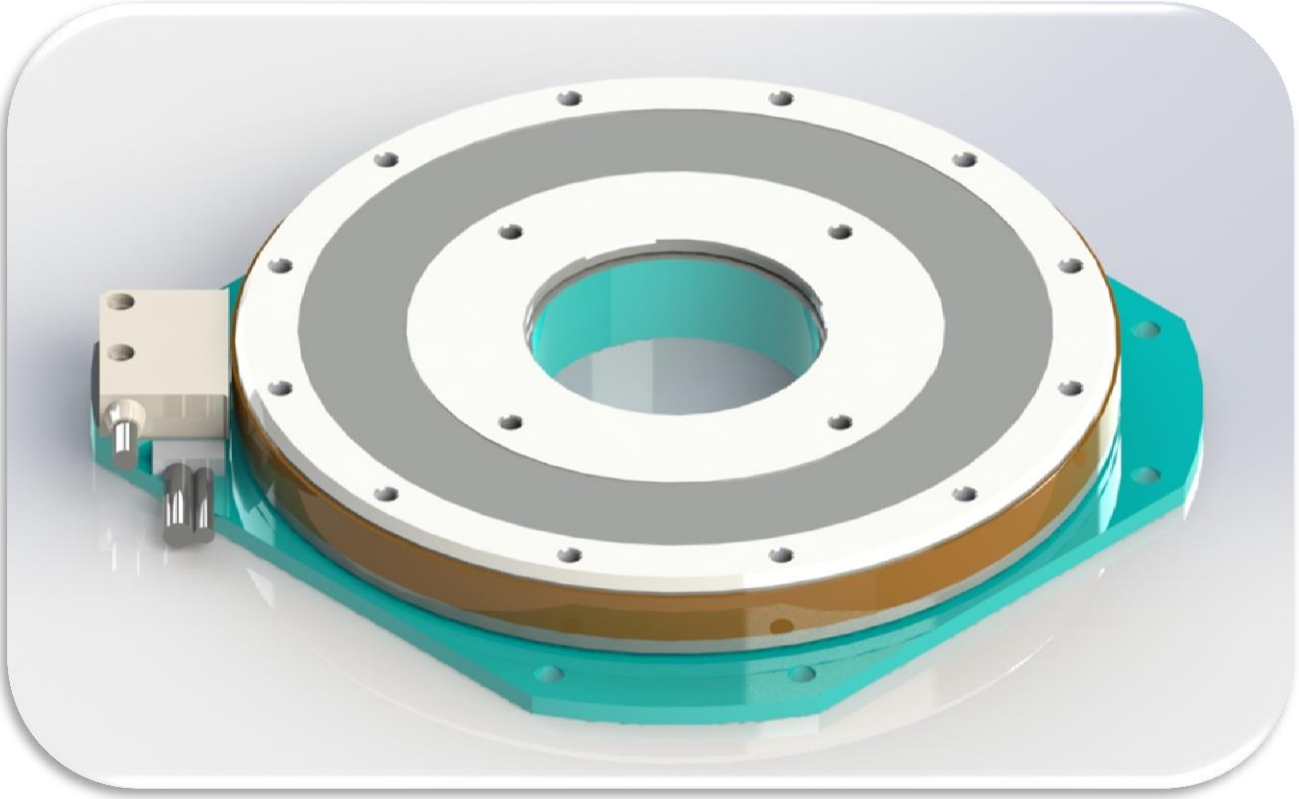
Parameter	A, mm	B, mm	Weight, Kg
RT-36-1123-25	68.4	66.4	140
RT-36-1123-50	93.4	91.4	190
RT-36-1123-75	118.4	116.4	240

RSMR Series



Ruch servomotor

RSMR-T-24-127-25



Performance

Parameter	Unit	RSMR-T-24-127-25
Rotor inertia	kgm²	0.005
Peak torque	Nm	28
Rated torque	Nm	7
Bearing friction torque	Nm	0.5
Cogging torque	Nm	0.2
Maximum velocity at Mp	rpm	500

RSMR-T-24-127-25

Electrical

Parameter	Unit	RSMR-T-24-127-25
Peak current at Mp and N=0	Arms	10
Rated current	Arms	2.4
supply voltage AC	V	~220 V AC
Electrical resistance	Ohm	5
Electrical inductance	mH	11

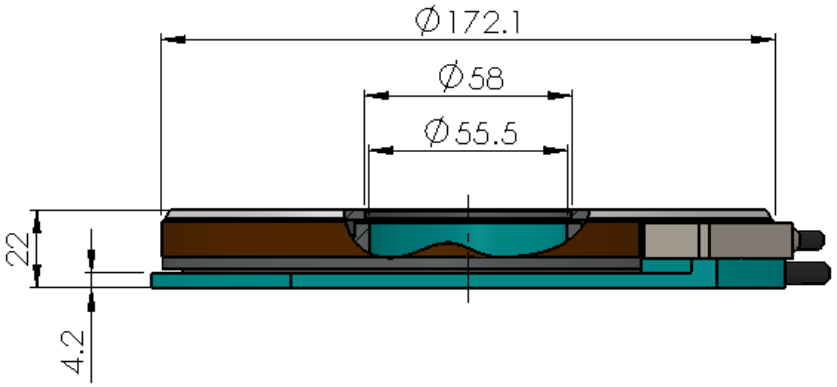
Precision

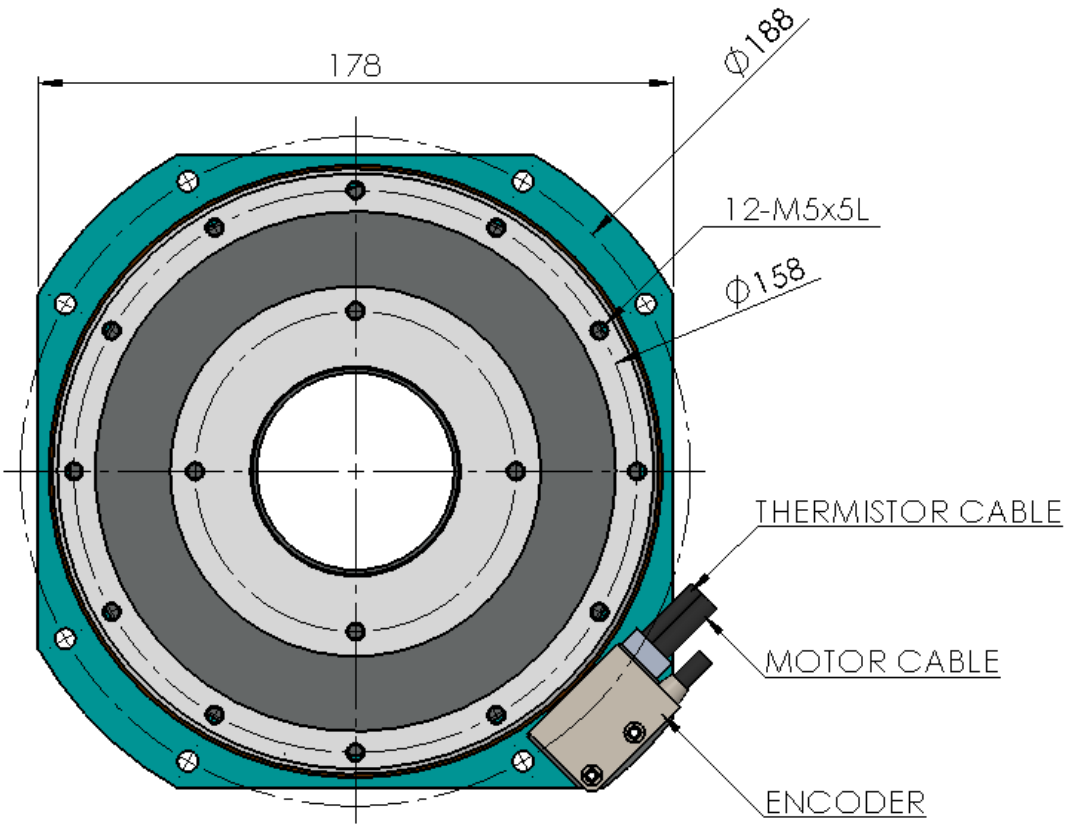
Parameter	Unit	RSMR-T-24-127-25
Axial run-out	micron	30
radial run-out	micron	30
Position accuracy	arc.sec.	360
Repeatability	arc.sec.	20
Number of encoder lines		540
Resolution	arc.sec.	5

Load on output flange

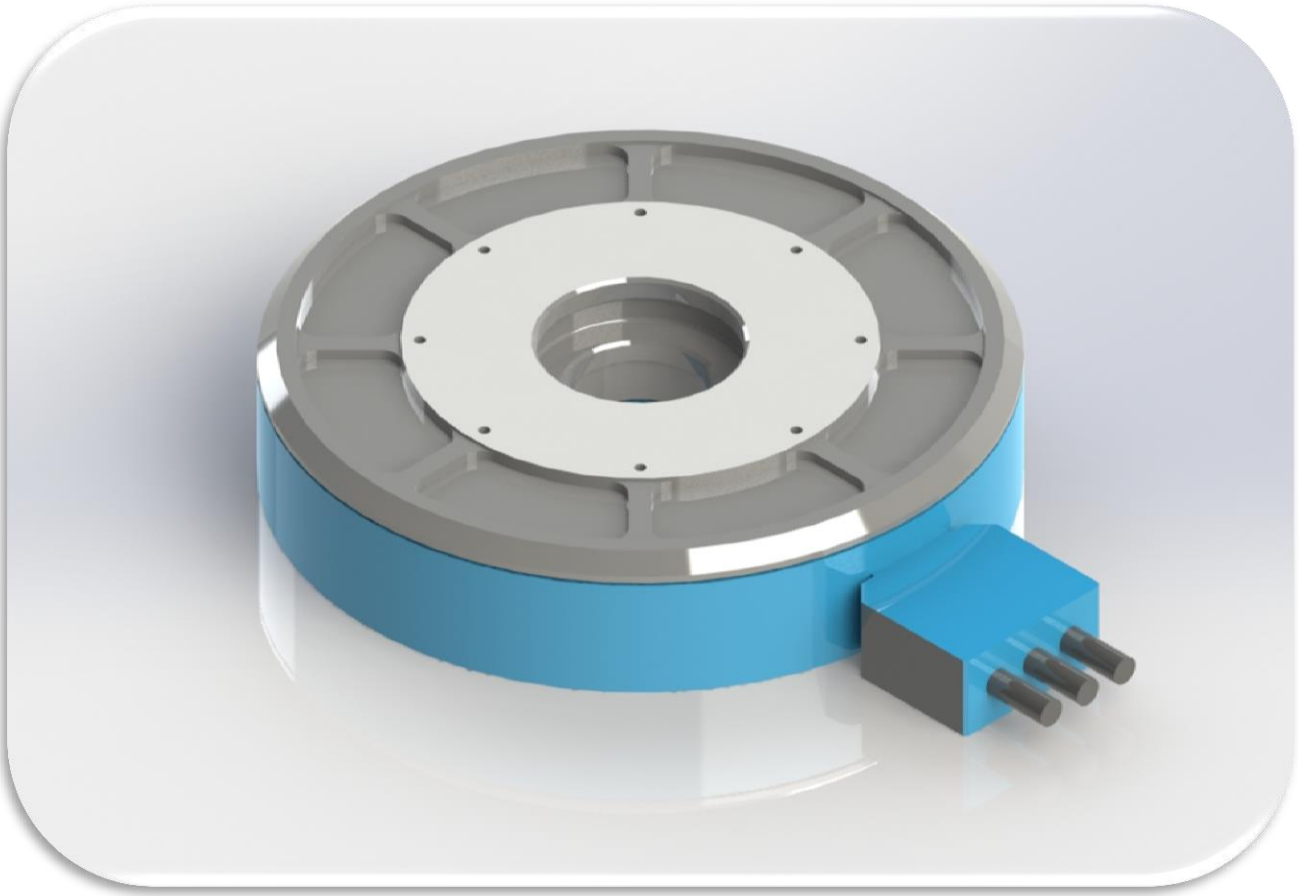
Parameter	Unit	RSMR-T-24-127-25
Maximal axial payload	micron	20
Maximal radial payload	micron	15
Maximal payload tilting torque	arc.sec.	12

RSMR-T-24-127-25





RSMR-T-24-145-25



Performance

Parameter	Unit	RSMR-T-24-145-25	
		GS	GT
Rotor inertia	kgm²	0.01	0.01
Peak torque	Nm	45	45
Continuous torque	Nm	17	17
Bearing friction torque	Nm	0.2	0.2
Detent torque	Nm	0.4	0.4
Maximum velocity at Mp	rpm	214	412
Maximum velocity at Ma	rpm	393	701
Maximum velocity at Mb	rpm	514	887

RSMR-T-24-145-25

Electrical

Parameter	Unit	RSMR-T-24-145-25	
3 phases winding combination	Unit	GS	GT
Peak current at Mp and N=0	Arms	14.0	24.2
Continuous current	Arms	5.1	8.7
Electrical resistance	Ohm	2.9	0.96
Electrical inductance	mH	15.2	5.1

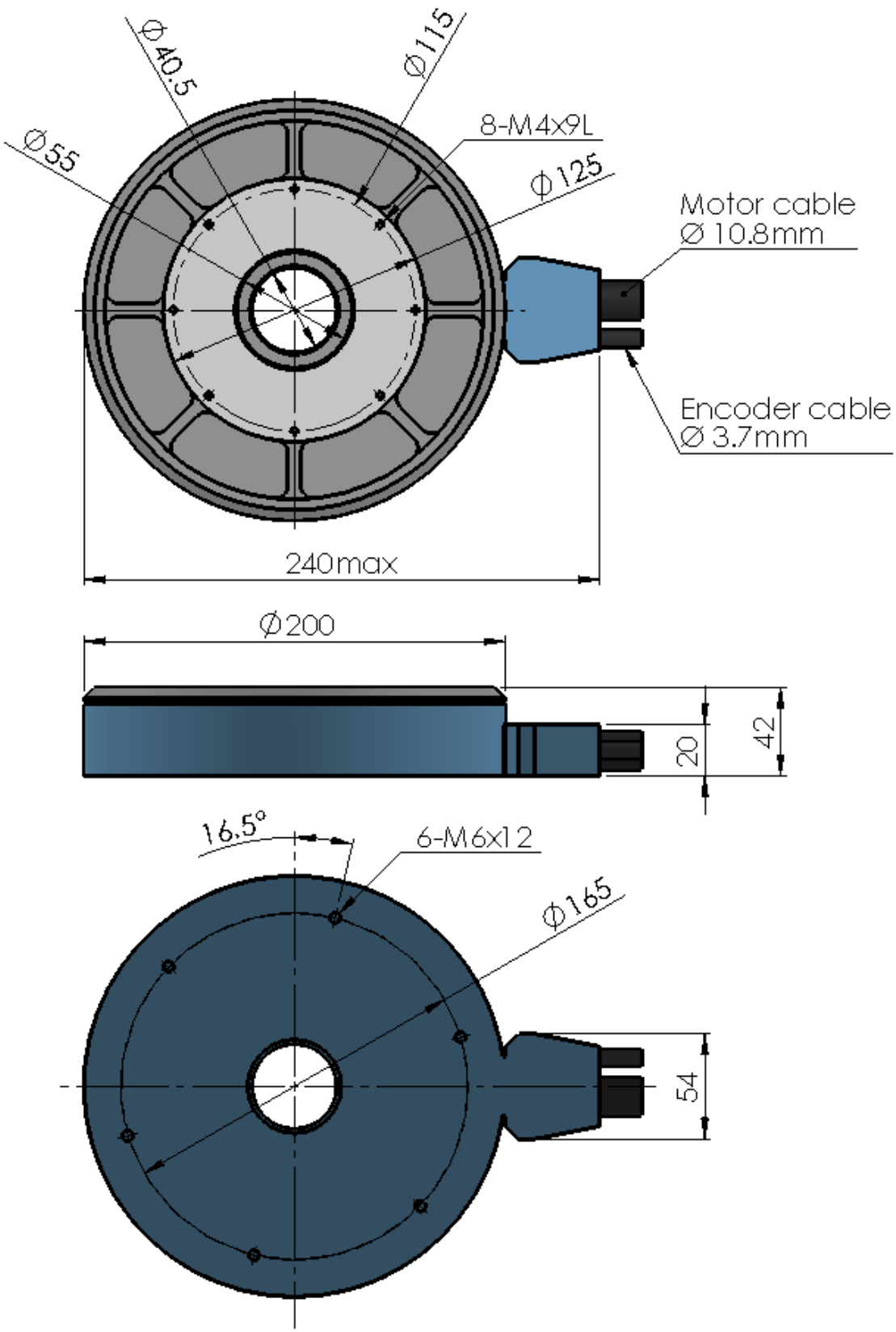
Precision

Parameter	Unit	RSMR-T-24-145-25
Axial run-out	micron	20
radial run-out	micron	20
Position accuracy	arc.sec.	30
Repeatability	arc.sec.	2
Number of encoder lines		2048
Resolution	arc.sec.	0.5

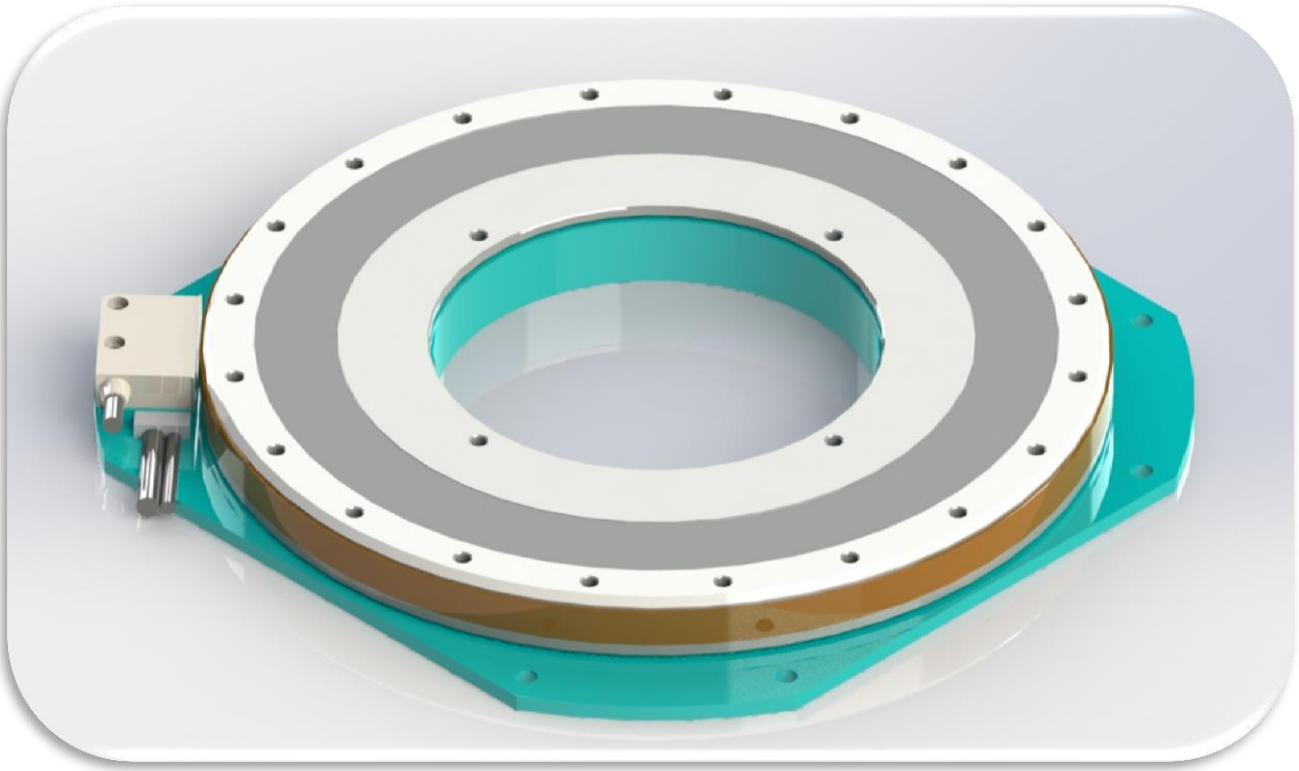
Load on output flange

Parameter	Unit	RSMR-T-24-145-25
Maximal axial payload	micron	25
Maximal radial payload	micron	10
Maximal payload tilting torque	arc.sec.	6

RSMR-T-24-145-25



RSMR-T-24-184-25



Performance

Parameter	Unit	RSMR-T-24-184-25-C-HS
Rotor inertia	kgm²	0.007
Peak torque	Nm	62
Rated torque	Nm	14
Bearing friction torque	Nm	0.7
Cogging torque	Nm	0.4
Maximum velocity at Mp	rpm	222

RSMR-T-24-184-25

Electrical

Parameter	Unit	RSMR-T-24-184-25
Peak current at Mp and N=0	Arms	9.7
Rated current	Arms	2.2
supply voltage AC	V	~220 AC
Electrical resistance	Ohm	8
Electrical inductance	mH	17

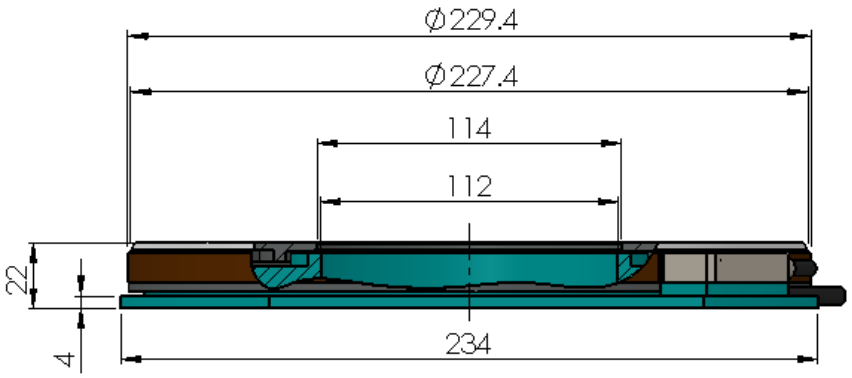
Precision

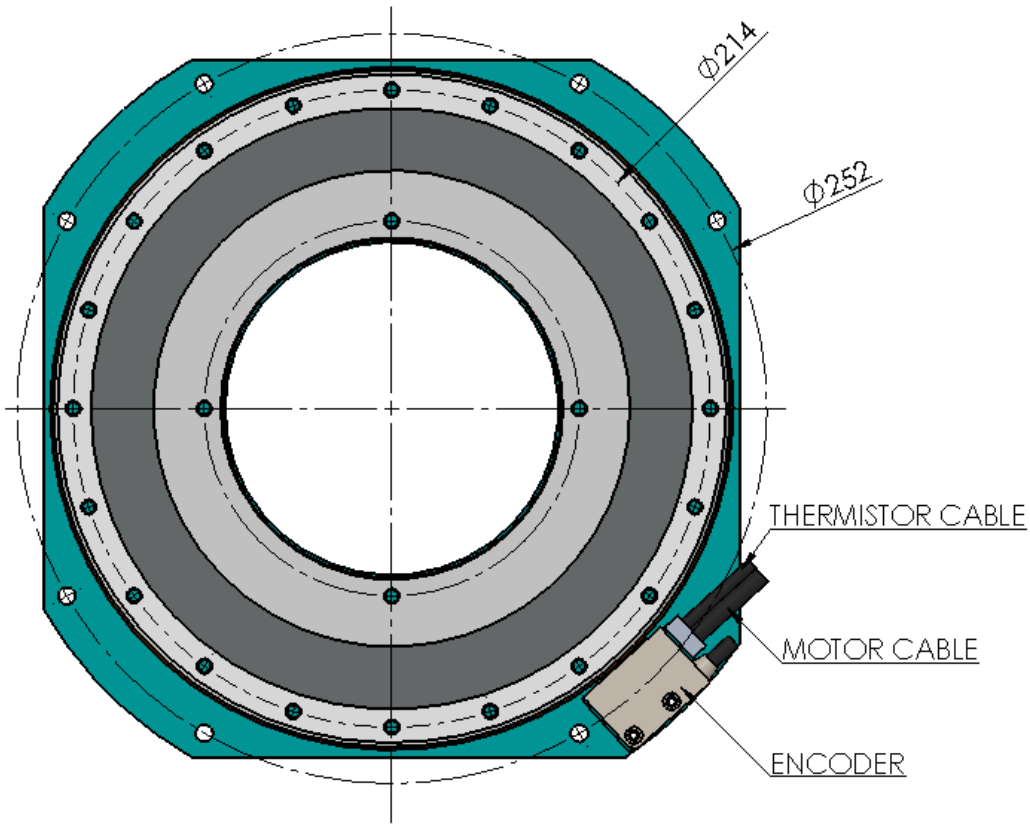
Parameter	Unit	RSMR-T-24-184-25
Axial run-out	micron	30
radial run-out	micron	30
Position accuracy	arc.sec.	300
Repeatability	arc.sec.	15
Number of encoder lines		720
Resolution	arc.sec.	3

Load on output flange

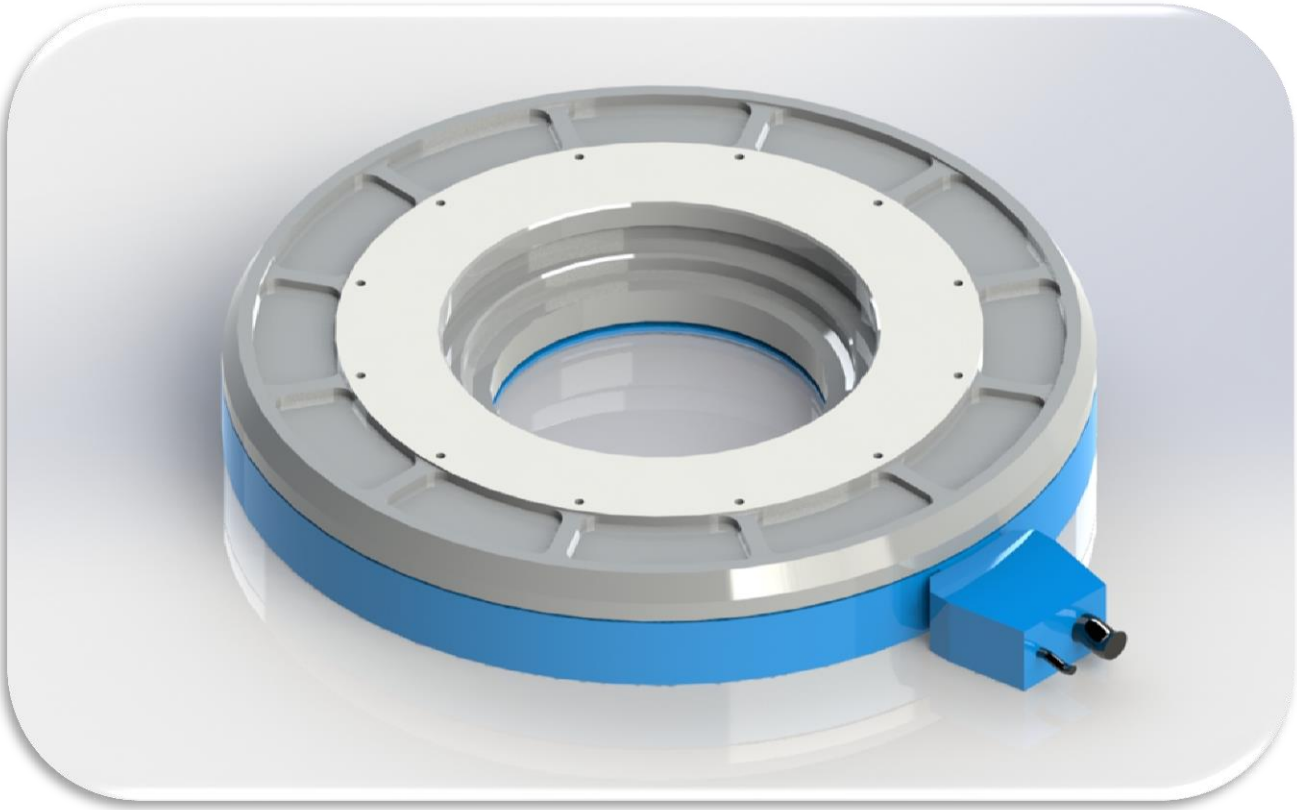
Parameter	Unit	RSMR-T-24-184-25-C-HS
Maximal axial payload	micron	30
Maximal radial payload	micron	20
Maximal payload tilting torque	arc.sec.	16

RSMR-T-24-184-25





RSMR-T-24-237-25



Performance

Parameter	Unit	RSMR-T-24-237-25	
		GS	GT
Rotor inertia	kgm²	0.07	0.07
Peak torque	Nm	111	111
Continuous torque	Nm	42	42
Bearing friction torque	Nm	0.3	0.3
Detent torque	Nm	0.8	0.8
Maximum velocity at Mp	rpm	180	330
Maximum velocity at Ma	rpm	325	565
Maximum velocity at Mb	rpm	428	734

RSMR-T-24-237-25

Electrical

Parameter	Unit	RSMR-T-24-237-25	
3 phases winding combination	Unit	GS	GT
Peak current at Mp and N=0	Arms	14.0	24.2
Continuous current	Arms	5.1	8.7
Electrical resistance	Ohm	4.3	1.4
Electrical inductance	mH	22.9	7.6

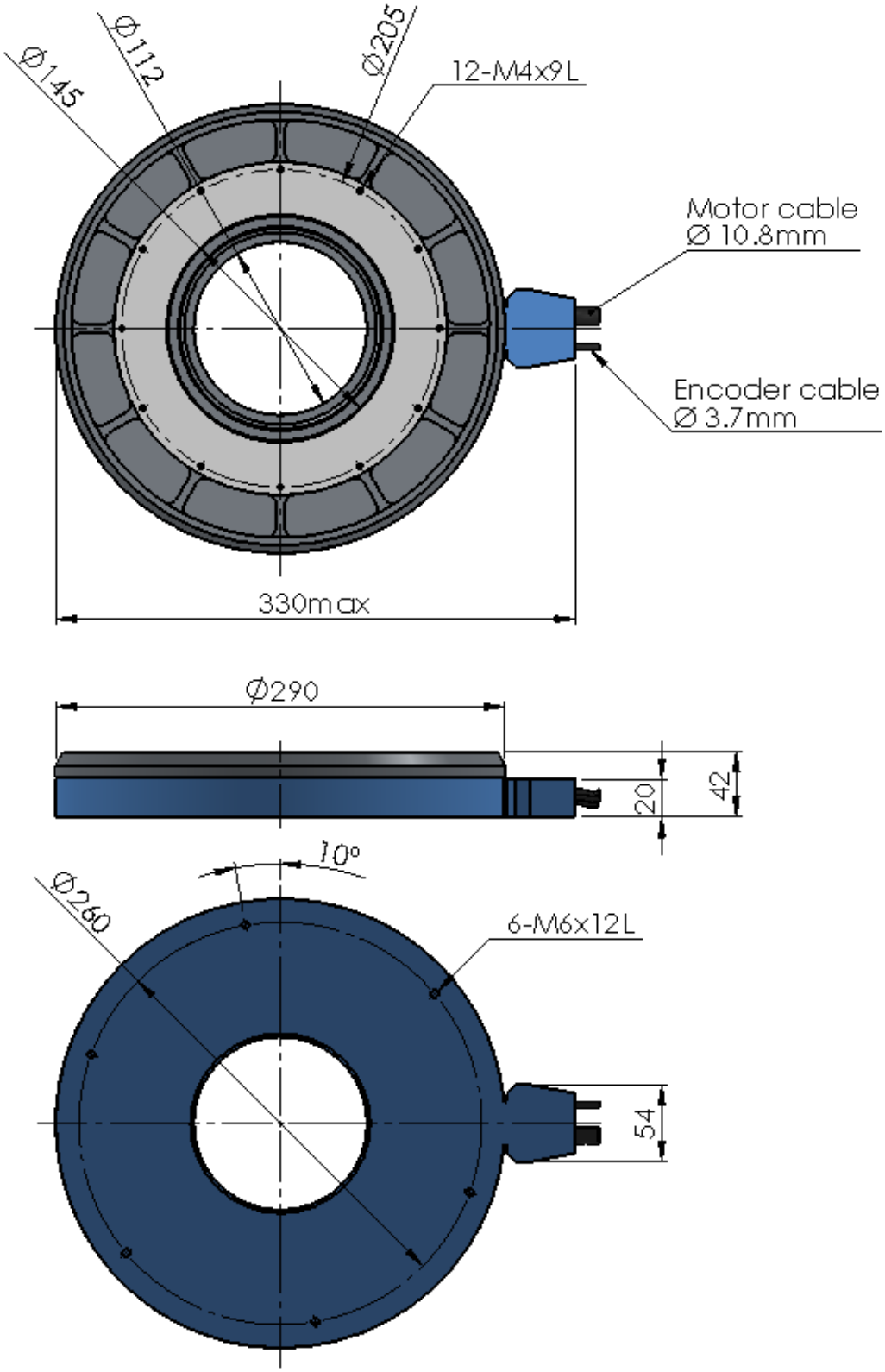
Precision

Parameter	Unit	RSMR-T-24-237-25
Axial run-out	micron	20
radial run-out	micron	20
Position accuracy	arc.sec.	30
Repeatability	arc.sec.	2
Number of encoder lines		5400
Resolution	arc.sec.	0.2

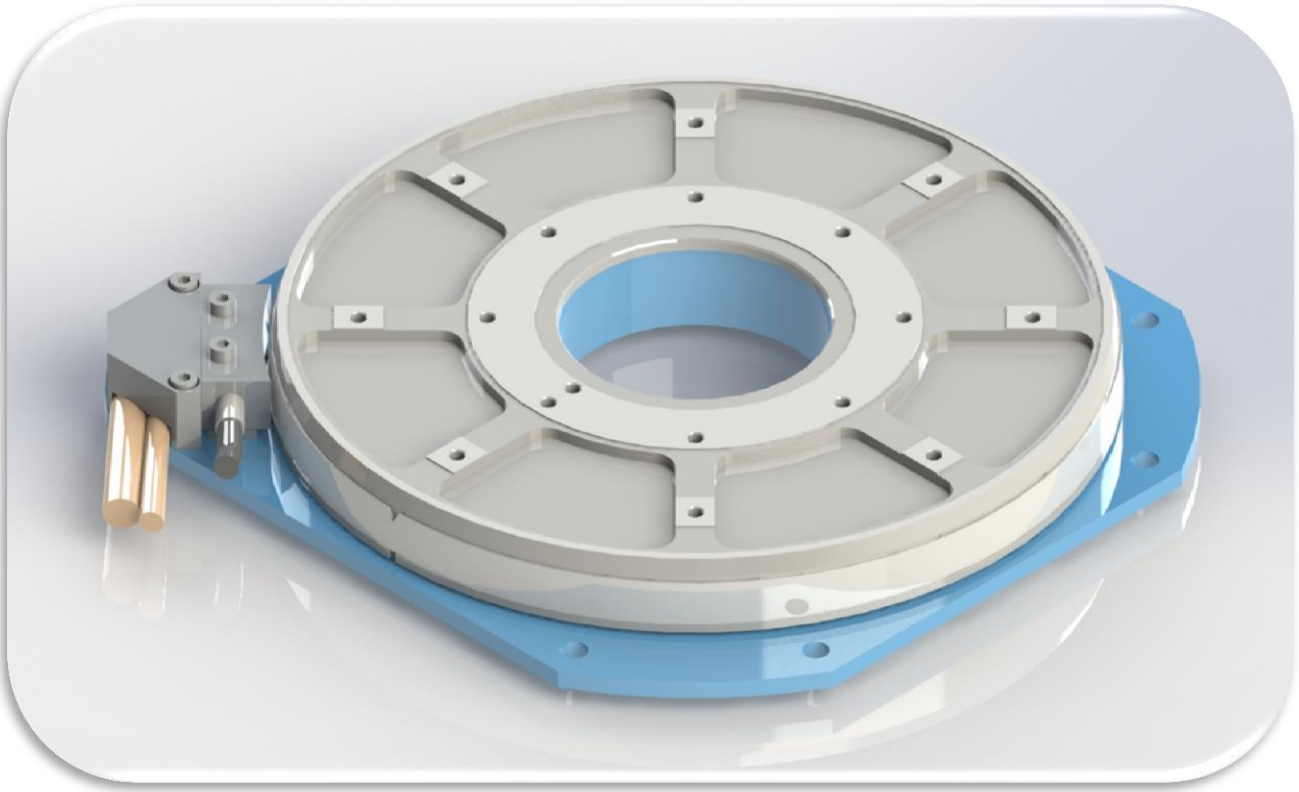
Load on output flange

Parameter	Unit	RSMR-T-24-237-25
Maximal axial payload	micron	65
Maximal radial payload	micron	30
Maximal payload tilting torque	arc.sec.	34

RSMR-T-24-237-25



RSMR-T-36-115-25



Performance

Parameter	Unit	RSMR-T-36-115-25-C-HS-KF-AM
Rotor inertia	kgm²	0.005
Peak torque	Nm	5.7
Rated torque	Nm	1.7
Bearing friction torque	Nm	0.3
Cogging torque	Nm	0.0
Maximum short-time velocity at Mp	rpm	1200
Maximum continuous no-load velocity	rpm	1200

RSMR-T-36-115-25

Electrical

Parameter	Unit	RSMR-T-36-115-2
Peak current at Mp and N=0	Arms	8.7
Rated current	Arms	2.6
supply voltage AC	V	~220 V AC
Electrical resistance	Ohm	5.5
Electrical inductance	mH	4

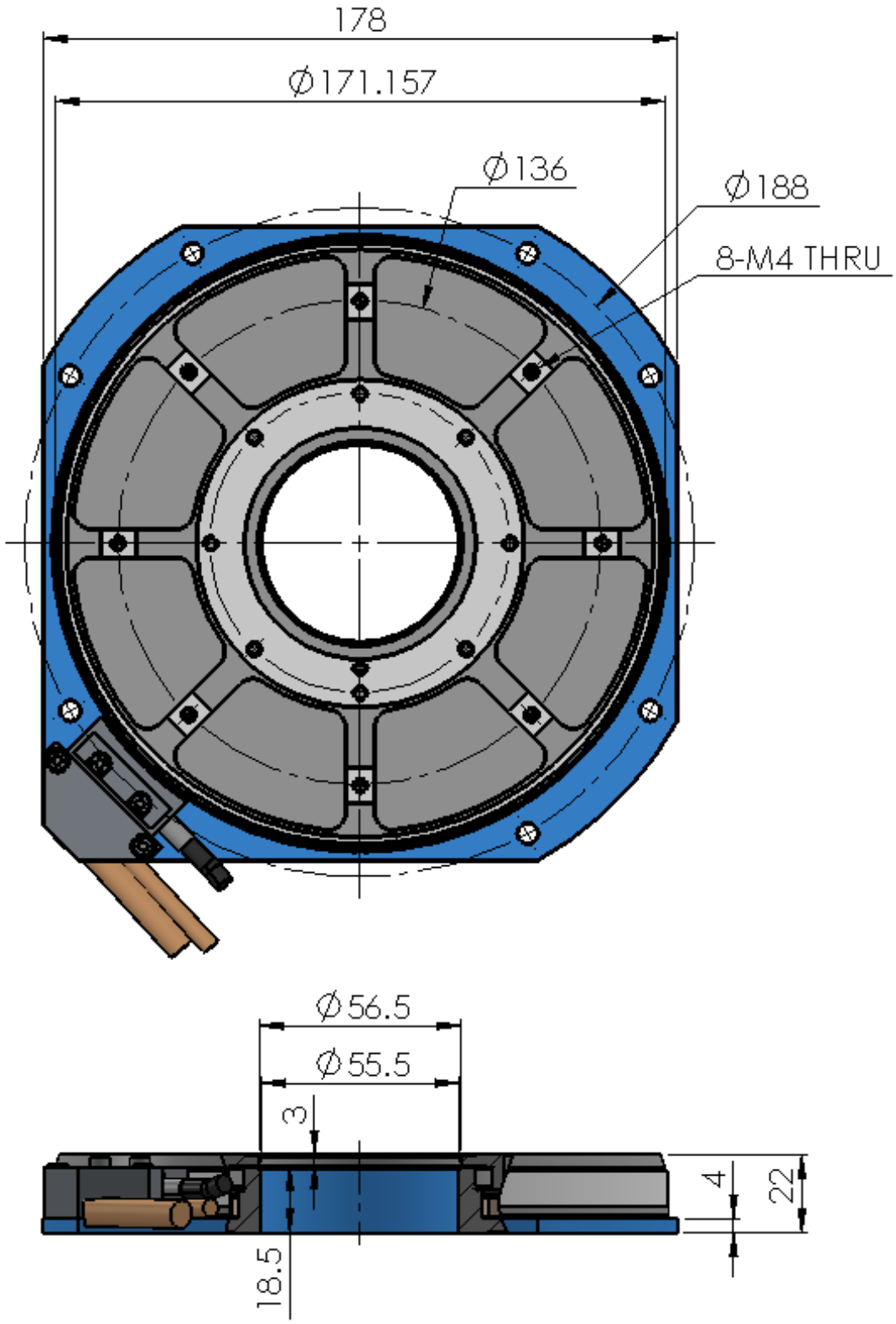
Precision

Parameter	Unit	RSMR-T-36-115-2
Axial run-out	micron	30
radial run-out	micron	30
Position accuracy	arc.sec.	50
Repeatability	arc.sec.	5
Number of encoder lines		540
Resolution	arc.sec.	2

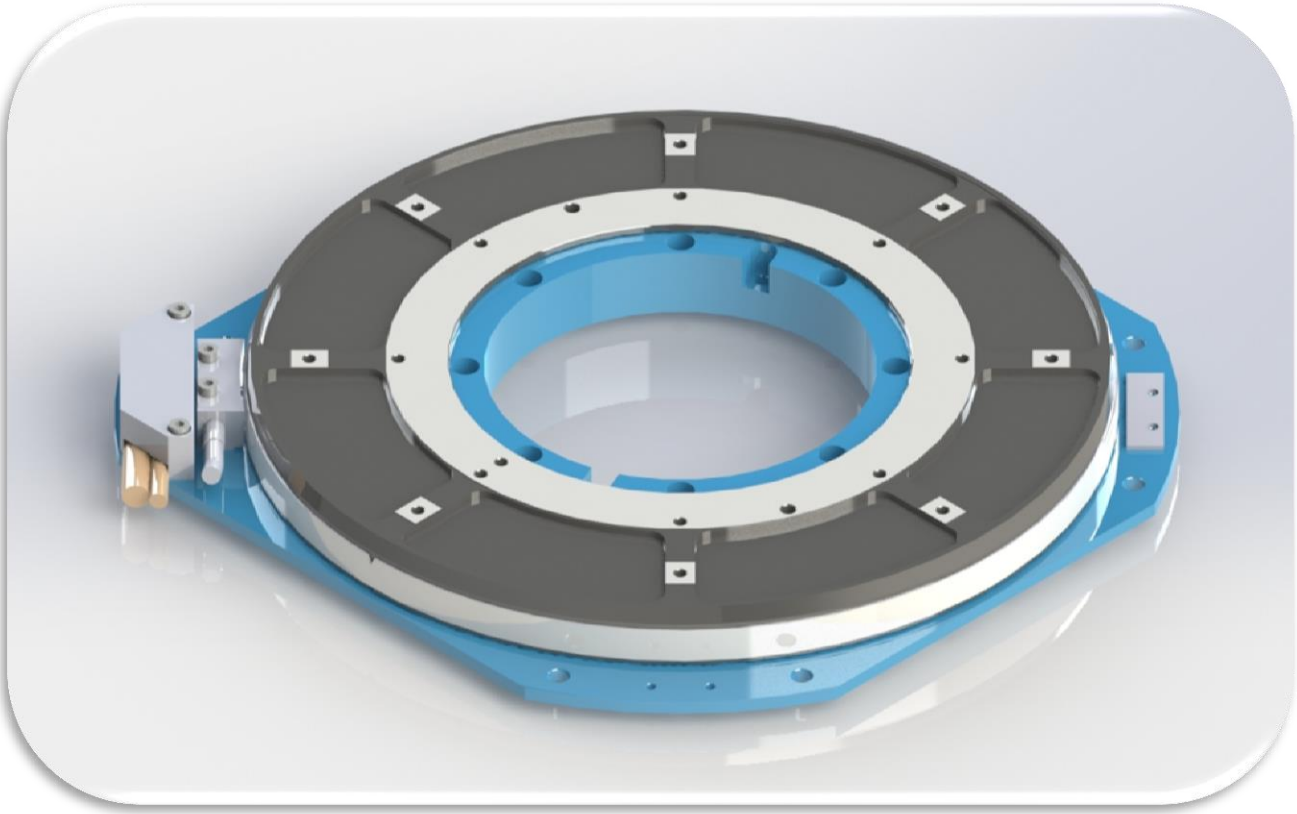
Load on output flange

Parameter	Unit	RSMR-T-36-115-2
Maximal axial payload	micron	12
Maximal radial payload	micron	12
Maximal payload tilting torque	arc.sec.	5

RSMR-T-36-115-25



RSMR-T-36-180-25



Performance

Parameter	Unit	RSMR-T-36-180-25	
		HS	HT
Rotor inertia	kgm²	0.02	
Peak torque	Nm	21.7	
Rated torque	Nm	6.4	
Bearing friction torque	Nm	0.4	
Cogging torque	Nm	0.0	
Maximum short-time velocity at Mp	rpm	600	600
Maximum short-time velocity at Ma	rpm	600	600
Maximum continuous no-load velocity	rpm	600	600

RSMR-T-36-180-25

Electrical

Parameter	Unit	RSMR-T-36-180-25	
		HS	HT
Peak current at Mp and N=0	Arms	8.7	15.1
Rated current	Arms	2.7	4.6
Electrical resistance	Ohm	8.3	2.8
Electrical inductance	MH	6	2

Precision

Parameter	Unit	RSMR-T-36-180-25
Axial run-out	micron	30
radial run-out	micron	20
Position accuracy	arc.sec.	40
Repeatability	arc.sec.	4
Number of encoder lines		740
Resolution	arc.sec.	1

Load on output flange

Parameter	Unit	RSMR-T-36-180-25
Maximal axial payload	micron	20
Maximal radial payload	micron	15
Maximal payload tilting torque	arc.sec.	8

RSMR-T-36-231-25

Electrical

Parameter	Unit	RSMR-T-36-231-25	
		HS	HT
Peak current at Mp and N=0	Arms	8.7	15.1
Rated current	Arms	2.6	4.5
supply voltage AC	V	~220 V AC	
Electrical resistance	Ohm	11.1	3.7

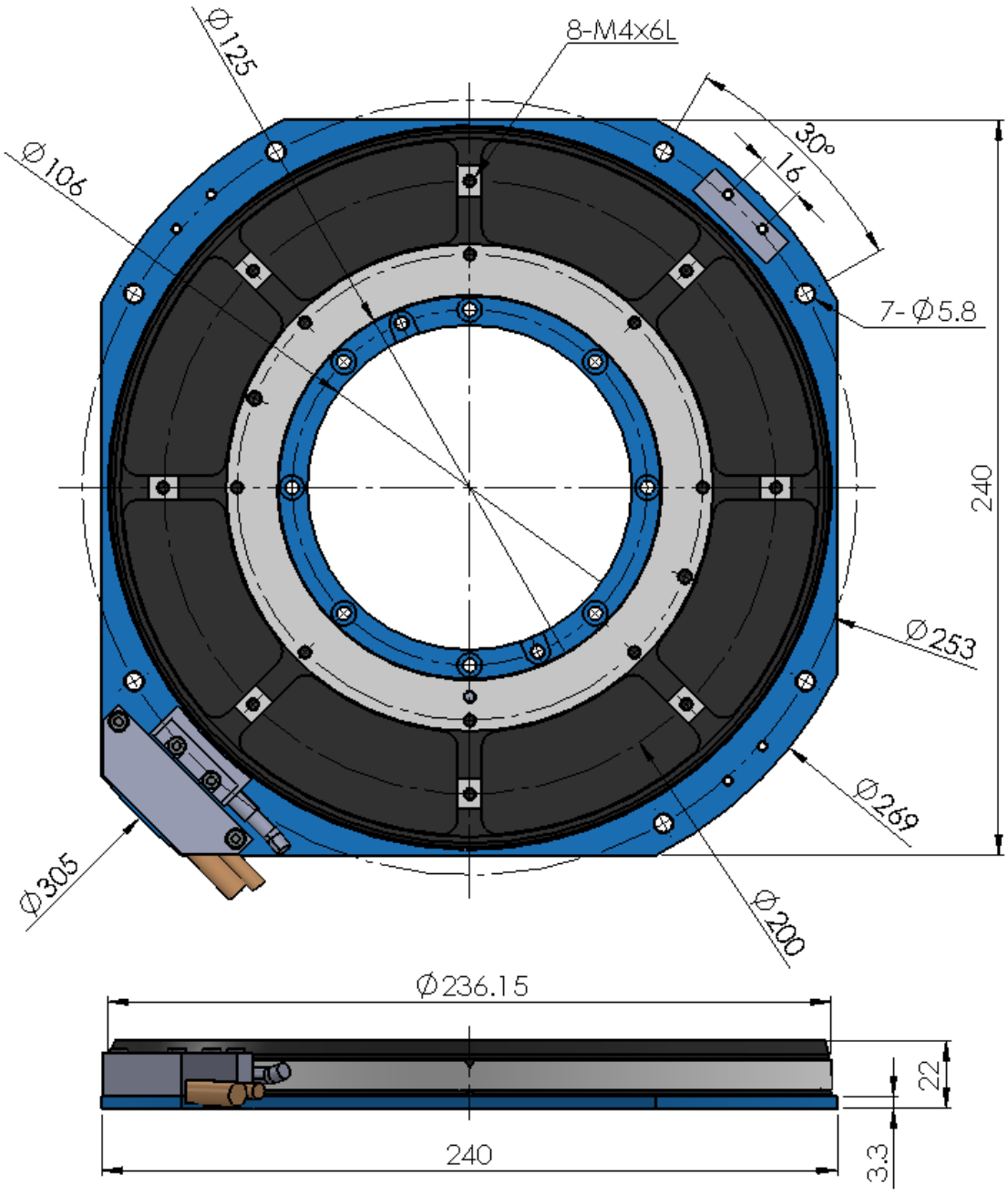
Precision

Parameter	Unit	RSMR-T-36-231-25
Axial run-out	micron	30
radial run-out	micron	20
Position accuracy	arc.sec.	40
Repeatability	arc.sec.	4
Number of encoder lines		900
Resolution	arc.sec.	1

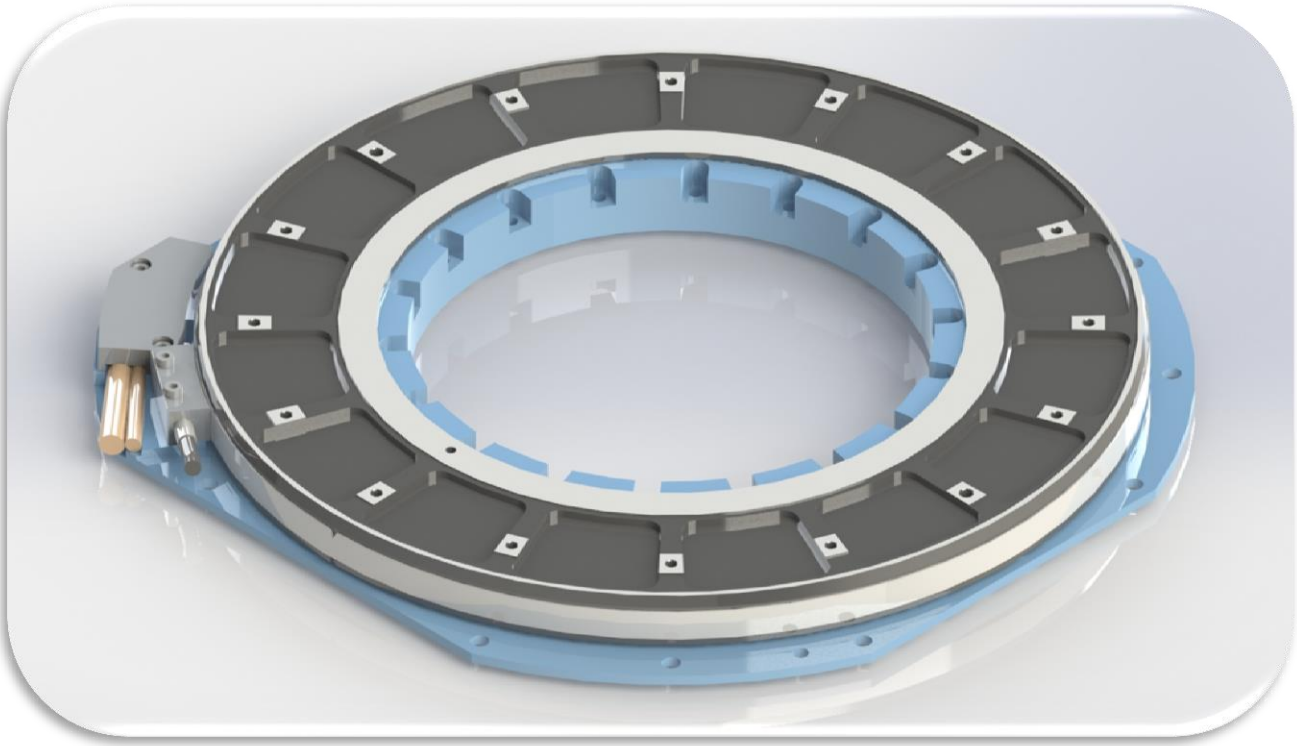
Load on output flange

Parameter	Unit	RSMR-T-36-231-25
Maximal axial payload	micron	25
Maximal radial payload	micron	24
Maximal payload tilting torque	arc.sec.	12

RSMR-T-36-180-25



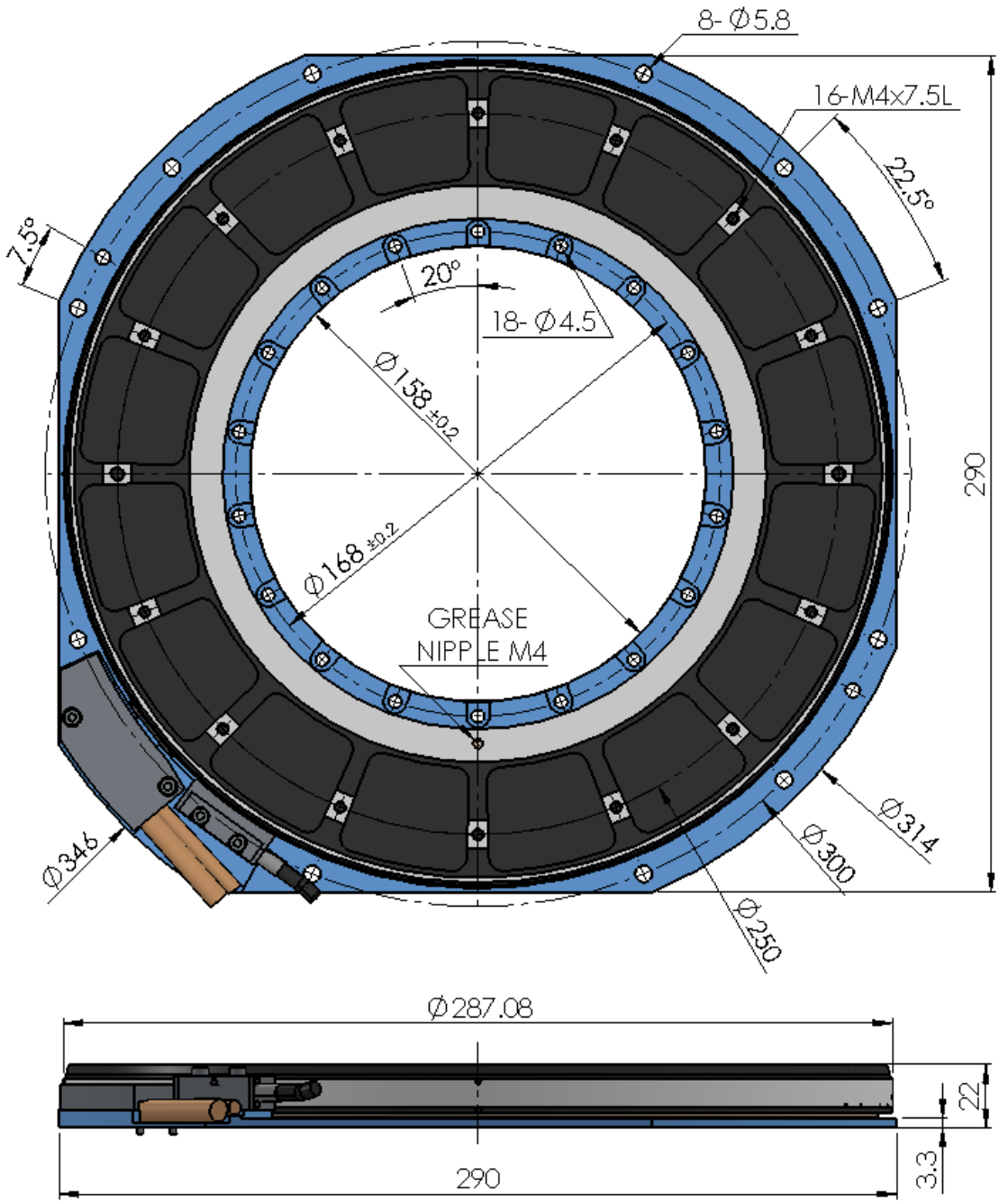
RSMR-T-36-231-25



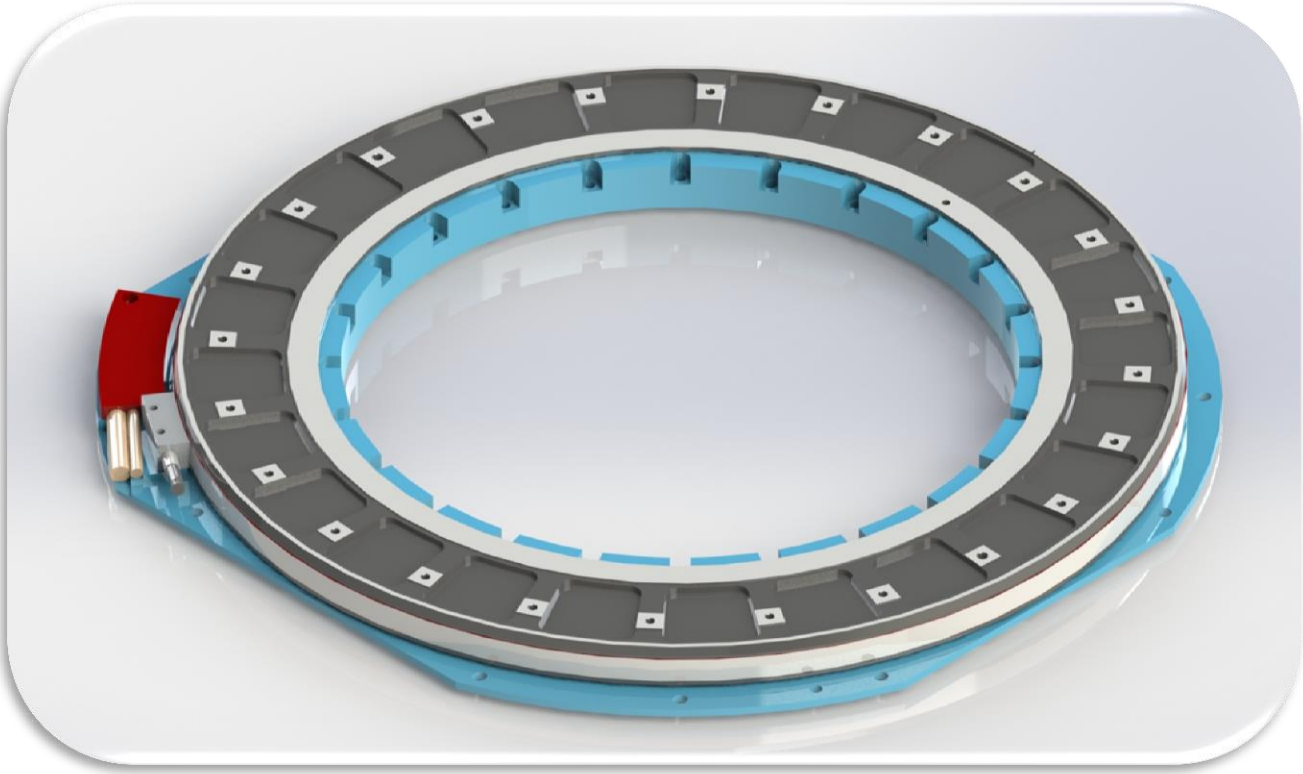
Performance

Parameter	Unit	RSMR-T-36-115-25
Rotor inertia	kgm²	0.005
Peak torque	Nm	5.7
Rated torque	Nm	1.7
Bearing friction torque	Nm	0.3
Cogging torque	Nm	0.0
Maximum short-time velocity at Mp	rpm	1200
Maximum continuous no-load velocity	rpm	1200

RSMR-T-36-231-25



RSMR-T-36-333-25



Performance

Parameter	Unit	RSMR-T-36-333-25	
		HS	HT
Rotor inertia	kgm²	0.08	
Peak torque	Nm	49.5	
Rated torque	Nm	14.5	
Bearing friction torque	Nm	1.0	
Cogging torque	Nm	0.0	
Maximum short-time velocity at Mp	rpm	48	290
Maximum short-time velocity at Ma		260	500
Maximum continuous no-load velocity	rpm	360	600

RSMR-T-36-333-25

Electrical

Parameter	Unit	RSMR-T-36-333-25	
		HS	HT
Peak current at Mp and N=0	Arms	8.7	15.1
Rated current	Arms	2.6	4.4
supply voltage AC	V	~220 V AC	
Electrical resistance	Ohm	17.6	5.6
Electrical inductance	mH	12	4.1

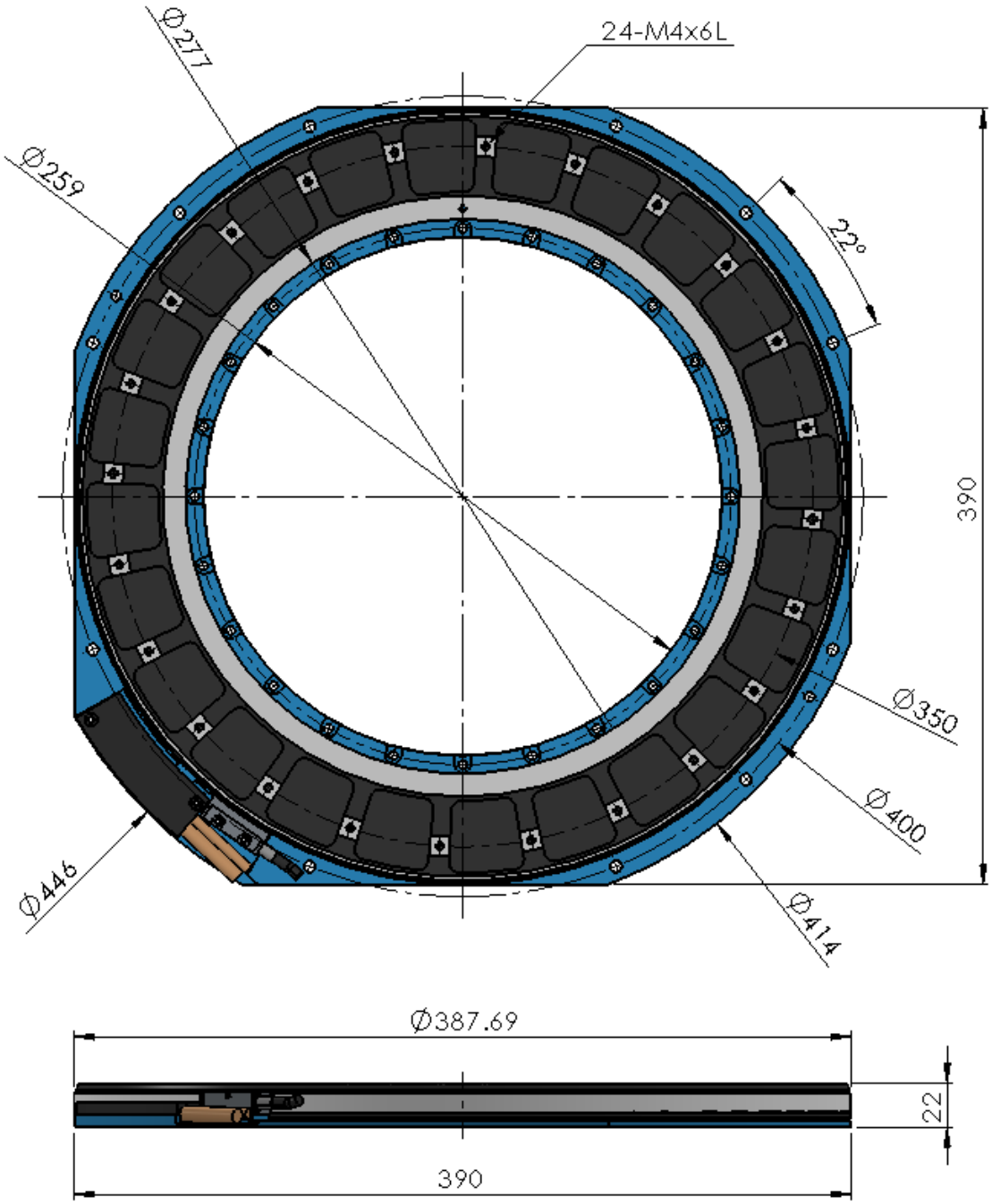
Precision

Parameter	Unit	RSMR-T-36-333-25
Axial run-out	micron	40
radial run-out	micron	30
Position accuracy	arc.sec.	30
Repeatability	arc.sec.	3
Number of encoder lines		1216
Resolution	arc.sec.	1

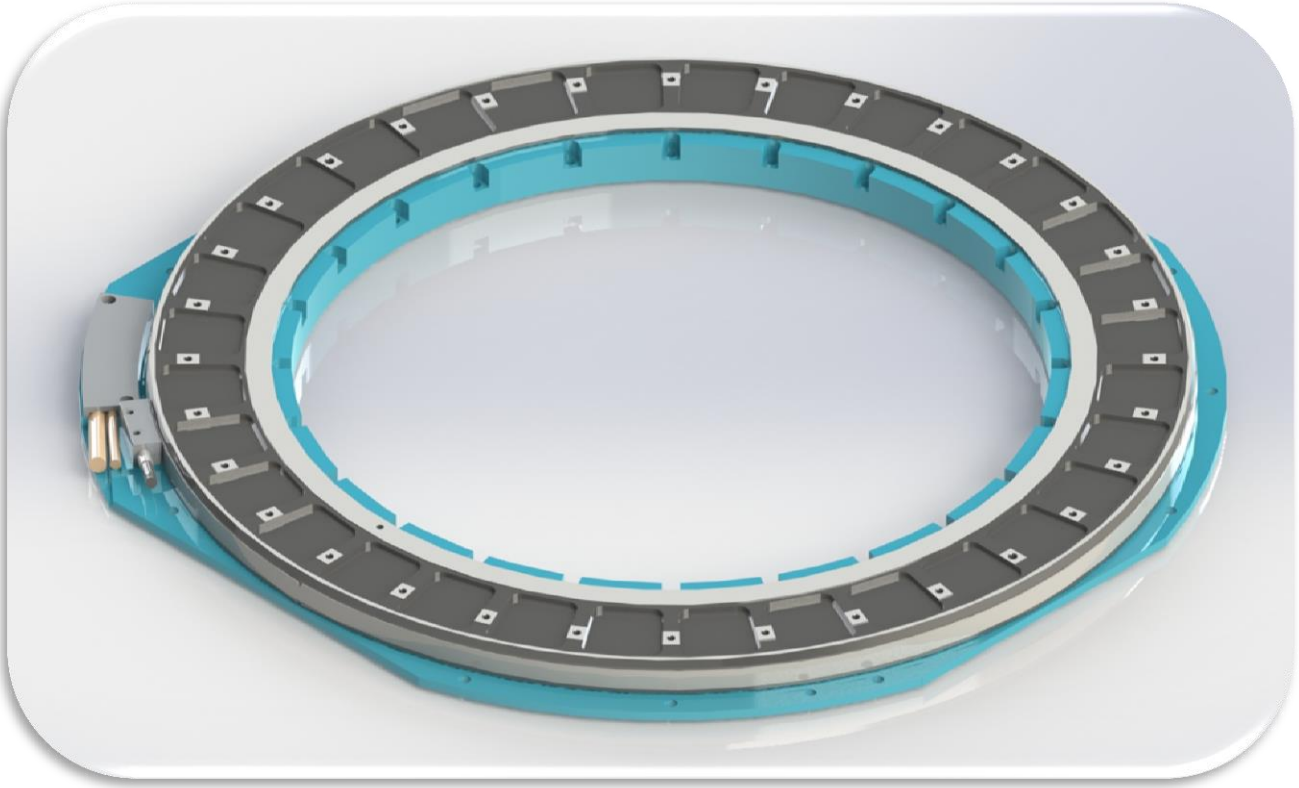
Load on output flange

Parameter	Unit	RSMR-T-36-333-25
Maximal axial payload	micron	38
Maximal radial payload	micron	38
Maximal payload tilting torque	arc.sec.	32

RSMR-T-36-333-25



RSMR-T-36-409-25



Performance

Parameter	Unit	RSMR-T-36-409-25-C-HS-KF-AM	
		HS	HT
Rotor inertia	kgm²	0.15	
Peak torque	Nm	100	
Rated torque	Nm	23	
Bearing friction torque	Nm	3.0	
Cogging torque	Nm	0.0	
Maximum short-time velocity at Mp	rpm	1	110
Maximum continuous no-load velocity	rpm	144	290
Motor constant	Nm/W	210	360

RSMR-T-36-409-25

Electrical

Parameter	Unit	RSMR-T-36-409-25	
		HS	HT
Peak current at Mp and N=0	Arms	8.7	15.1
Rated current	Arms	2.4	4.2
supply voltage AC	V	~220 V AC	
Electrical resistance	Ohm	22	7.4
Electrical inductance	mH	16	5.4

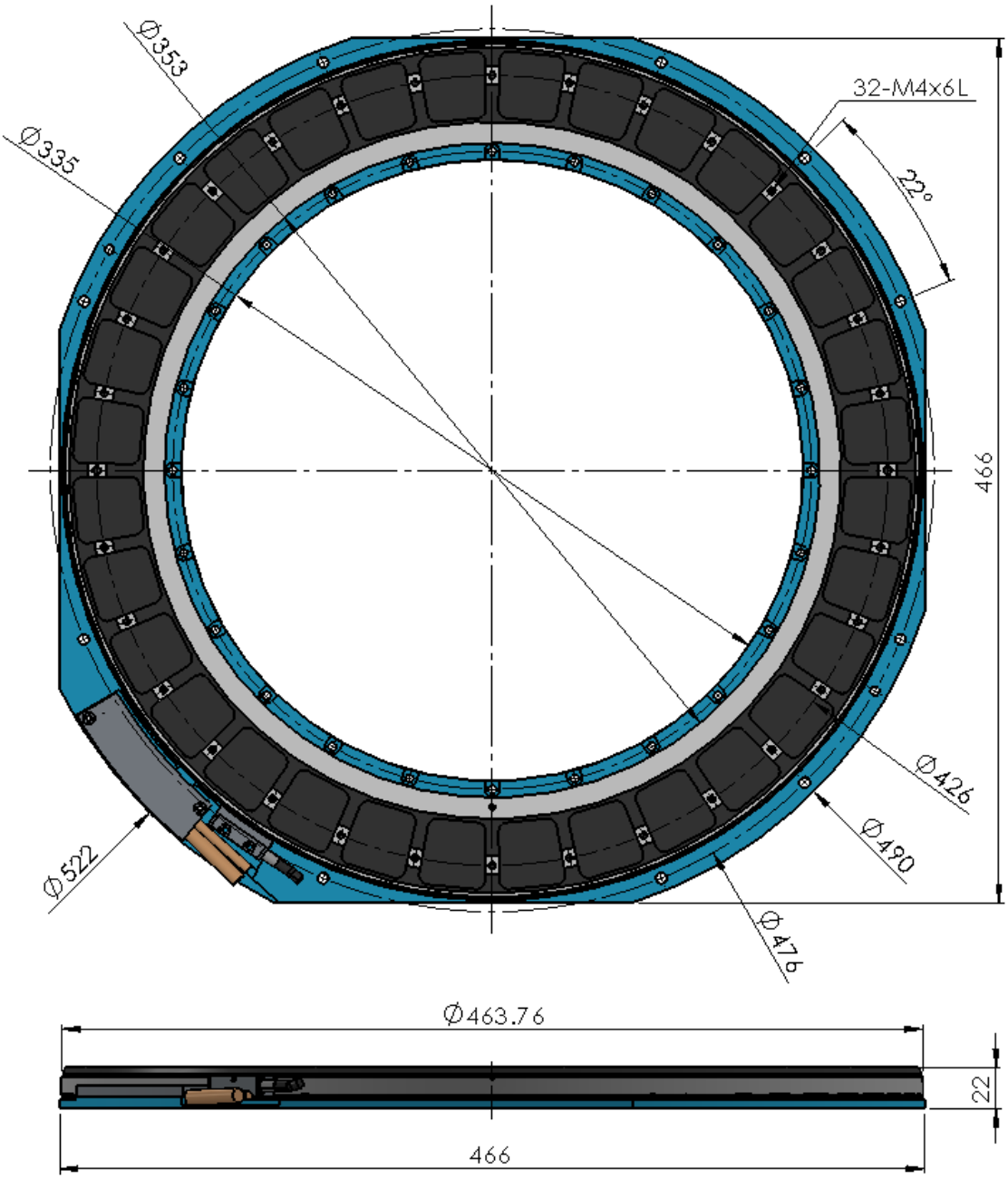
Precision

Parameter	Unit	RSMR-T-36-409-25
Axial run-out	micron	40
radial run-out	micron	30
Position accuracy	arc.sec.	20
Repeatability	arc.sec.	3
Number of encoder lines		1455
Resolution	arc.sec.	1

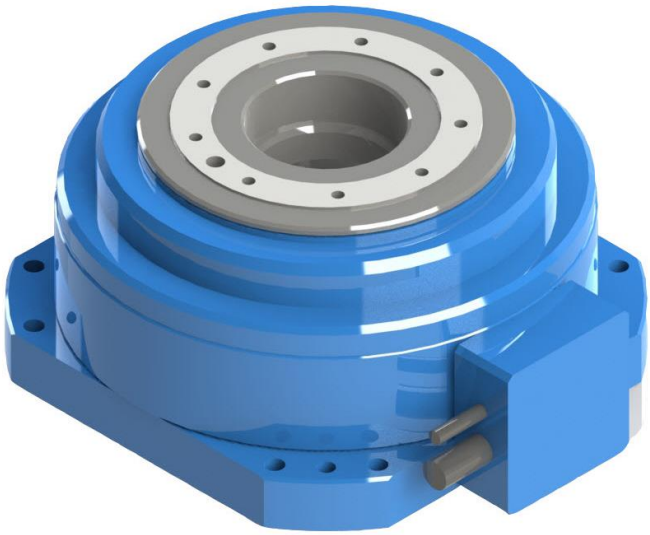
Load on output flange

Parameter	Unit	RSMR-T-36-409-25
Maximal axial payload	micron	45
Maximal radial payload	micron	45
Maximal payload tilting torque	arc.sec.	48

RSMR-T-36-409-25

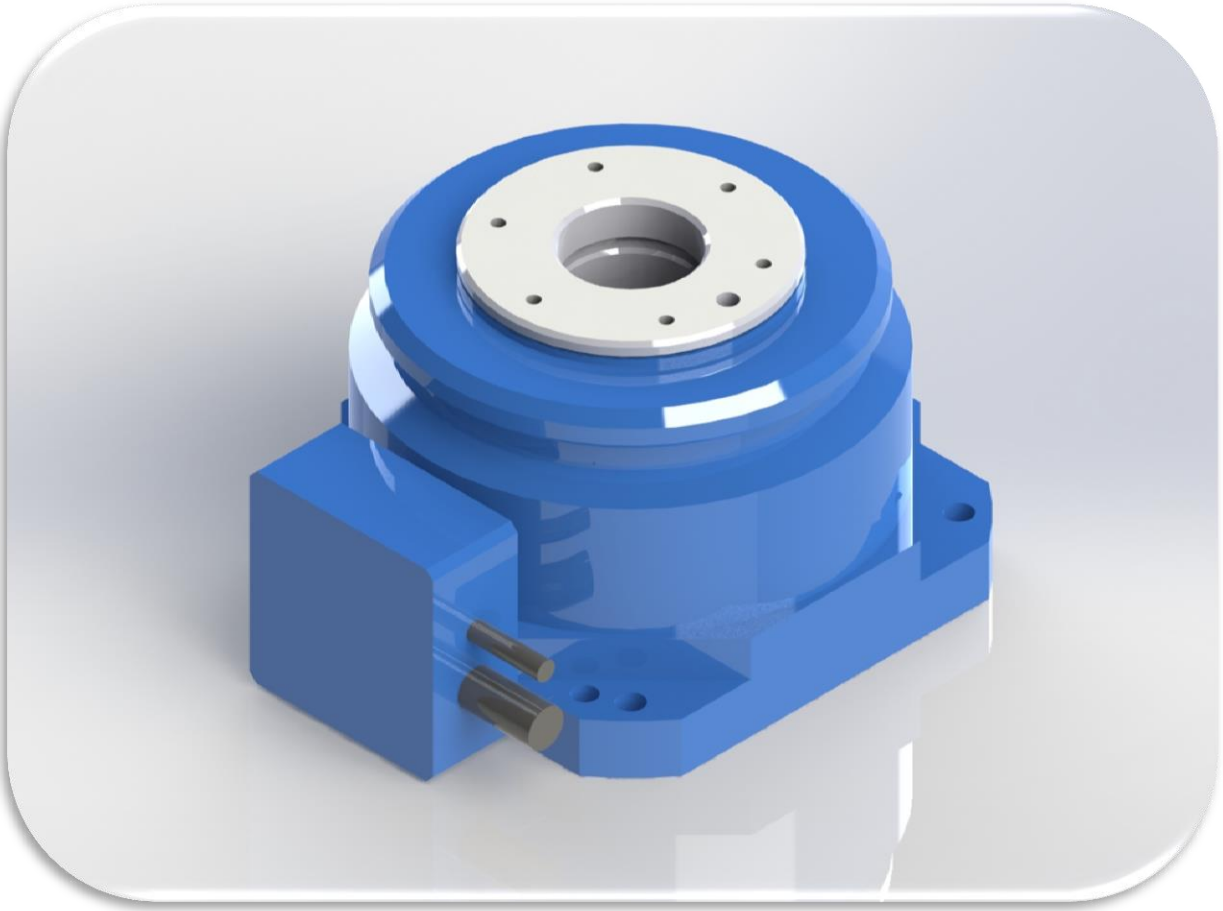


RSM Series



Ruch servomotor

RSM-T-24-62..



Performance

Parameter	Unit	RSM-T-24-62-25		RSM-T-24-62-50		RSM-T-24-62-75	
Rotor inertia	kgm²	0.001		0.002		0.003	
Peak torque	Nm	9.9		19.8		29.6	
Continuous torque	Nm	3.3		6.8		10.1	
Bearing friction torque	Nm	0.3		0.3		0.3	
Detent torque	Nm	0.1		0.2		0.3	
3 phases winding combination	**Unit**	**HS**	**HT**	**GS**	**GT**	**GS**	**GT**
Maximum velocity at Mp	rpm	600	600	600	600	600	600
Maximum velocity at Ma	rpm	600	600	600	600	600	600
Maximum velocity at Mb	rpm	600	600	600	600	600	600

RSM-T-24-62..

Electrical

Parameter	Unit	RSM-T-24-62-25		RSM-T-24-62-50		RSM-T-24-62-75	
3 phases winding combination	**Unit**	**GS**	**GT**	**GS**	**GT**	**GS**	**GT**
Peak current at Mp and N=0	Arms	6.7	11.7	15	26	15	26
Continuous current	Arms	2.2	3.8	5.0	8.6	5.0	8.6
supply voltage AC	V	3 x ~220 V AC					
Electrical resistance	Ohm	6.8	2.3	2.2	0.8	3	1
Electrical inductance	mH	33	11	13	5	20	7

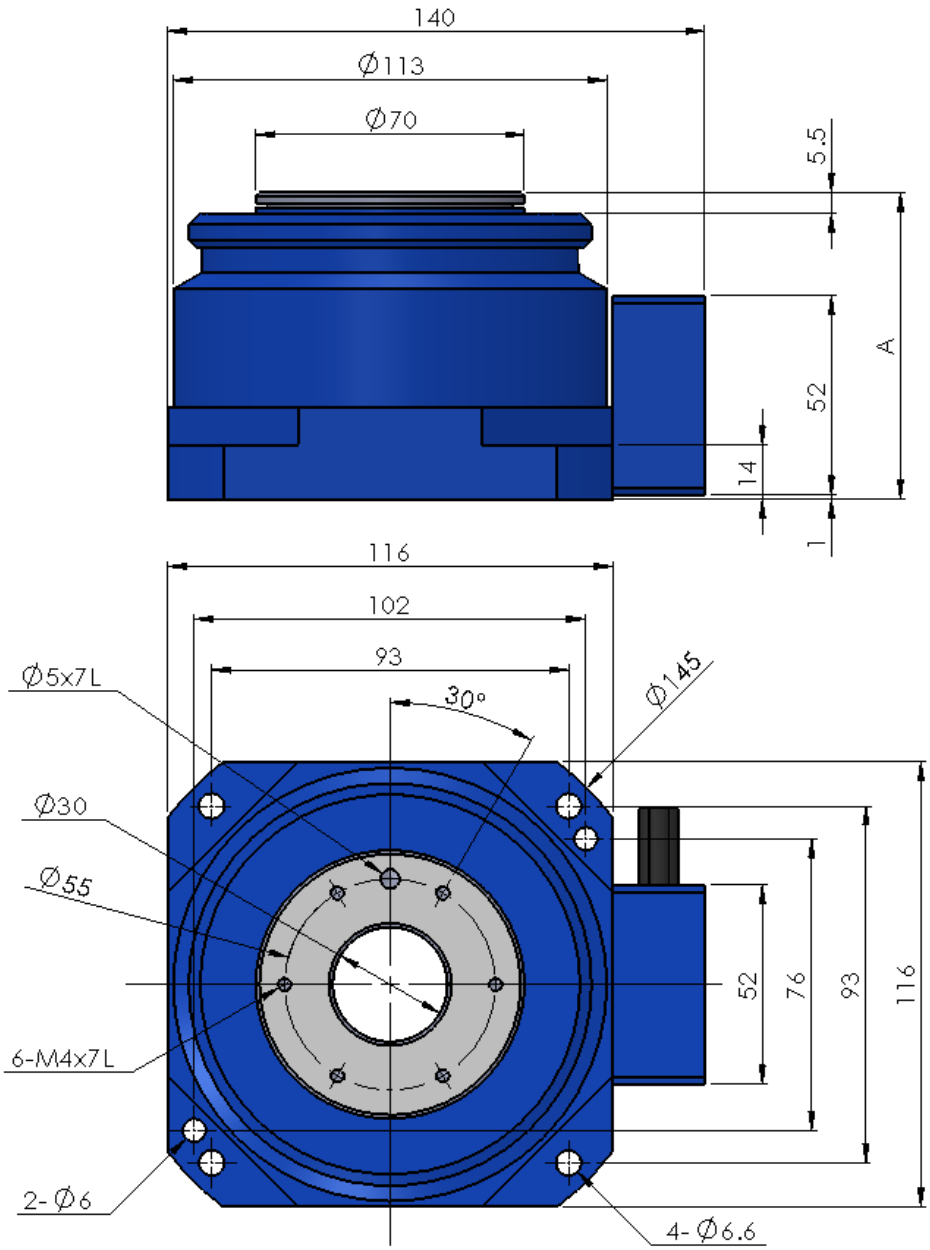
Precision

Parameter	Unit	RSM-T-24-62-25	RSM-T-24-62-50	RSM-T-24-62-75
Axial run-out	micron	15		
radial run-out	micron	30		
Position accuracy	arc.sec.	±30		
Repeatability	arc.sec.	5		
Number of encoder lines		2048		
Resolution	arc.sec.	1		

Load on output flange

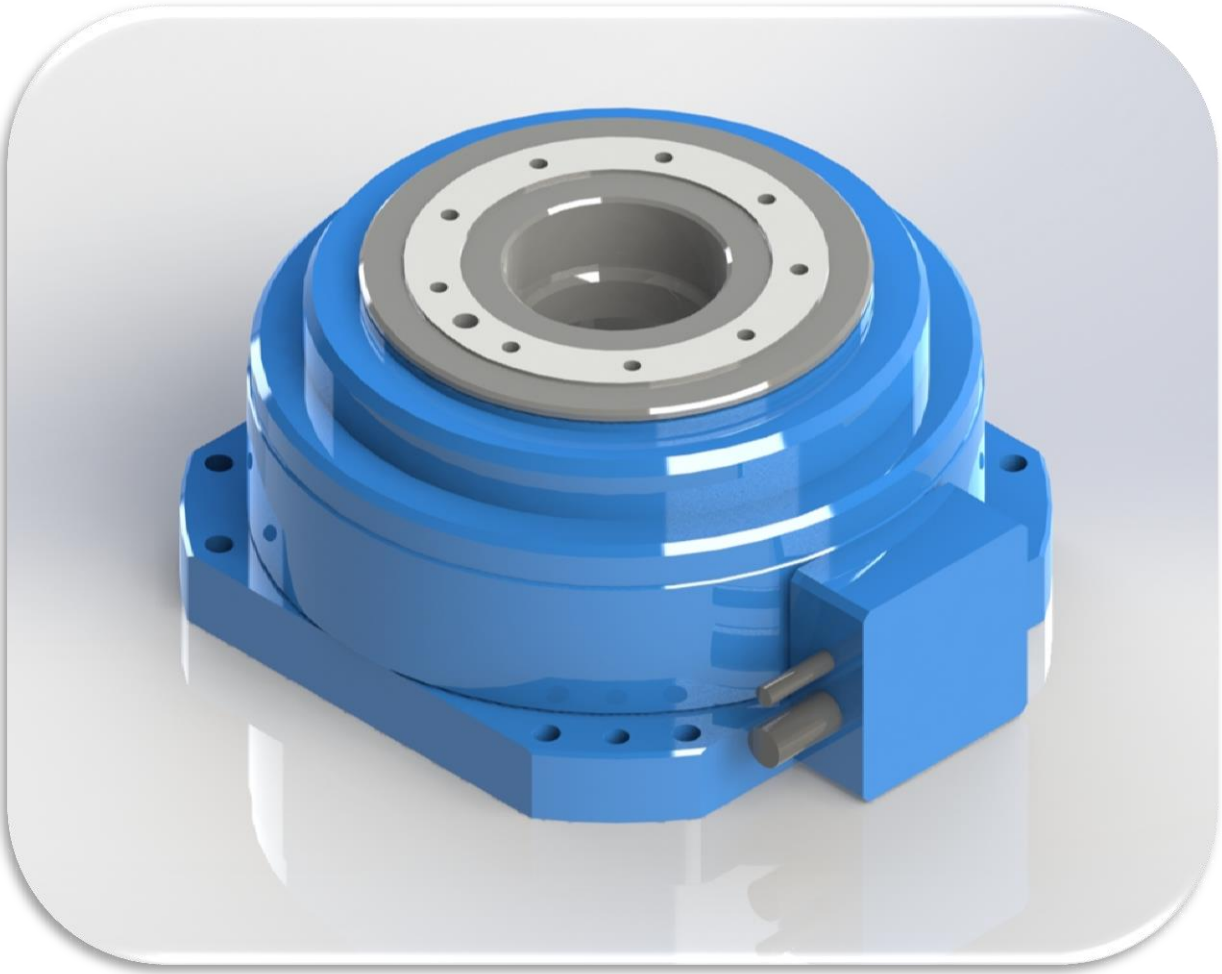
Parameter	Unit	RSM-T-24-62-25	RSM-T-24-62-50	RSM-T-24-62-75
Maximal axial payload	micron	25		
Maximal radial payload	micron	25		
Maximal payload tilting torque	arc.sec.	20		

RSM-T-24-62..



Parameter	A, mm	Weight, Kg
RSM-T-24-62-25	80	5
RSM-T-24-62-50	105	7
RSM-T-24-62-75	130	9

RSM-T-24-92..



Performance

Parameter	Unit	RSM-T-24-92-25		RSM-T-24-92-50		RSM-T-24-92-75	
Rotor inertia	kgm²	0.001		0.002		0.003	
Peak torque	Nm	22		44		67	
Continuous torque	Nm	7.5		15		22	
Bearing friction torque	Nm	0.5					
Detent torque	Nm	0.2		0.4		0.6	
3 phases winding combination	**Unit**	**HS**	**HT**	**GS**	**GT**	**GS**	**GT**
Maximum velocity at Mp	rpm	360	690	430	800	270	510
Maximum velocity at Ma	rpm	700	1200	800	1300	520	900
Maximum velocity at Mb	rpm	900	1500	1000	1700	660	1100

RSM-T-24-92..

Electrical

Parameter	Unit	RSM-T-24-92-25		RSM-T-24-92-50		RSM-T-24-92-75	
3 phases winding combination	**Unit**	**HS**	**HT**	**GS**	**GT**	**GS**	**GT**
Peak current at Mp and N=0	Arms	6.7	12	15	26	15	26
Continuous current	Arms	2.2	3.8	5.6	10.5	4.9	8.4
supply voltage AC	V	3 x ~220 V AC					
Electrical resistance	Ohm	10.3	3.4	3.3	1.1	4.6	1.5
Electrical inductance	mH	49	16	20	7	30	10

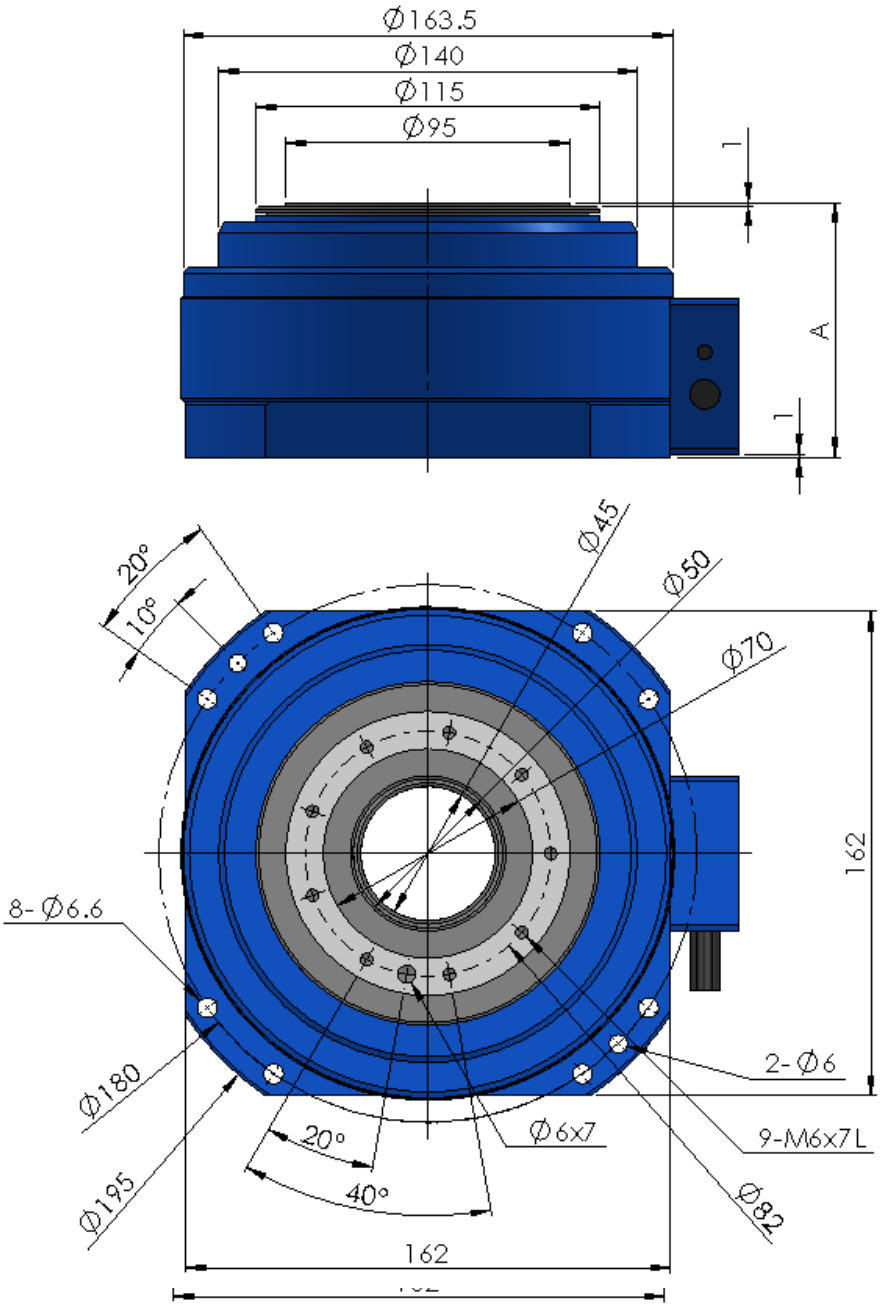
Precision

Parameter	Unit	RSM-T-24-92-25	RSM-T-24-92-50	RSM-T-24-92-75
Axial run-out	micron	15		
radial run-out	micron	30		
Position accuracy	arc.sec.	±30		
Repeatability	arc.sec.	5		
Number of encoder lines		2048		
Resolution	arc.sec.	1		

Load on output flange

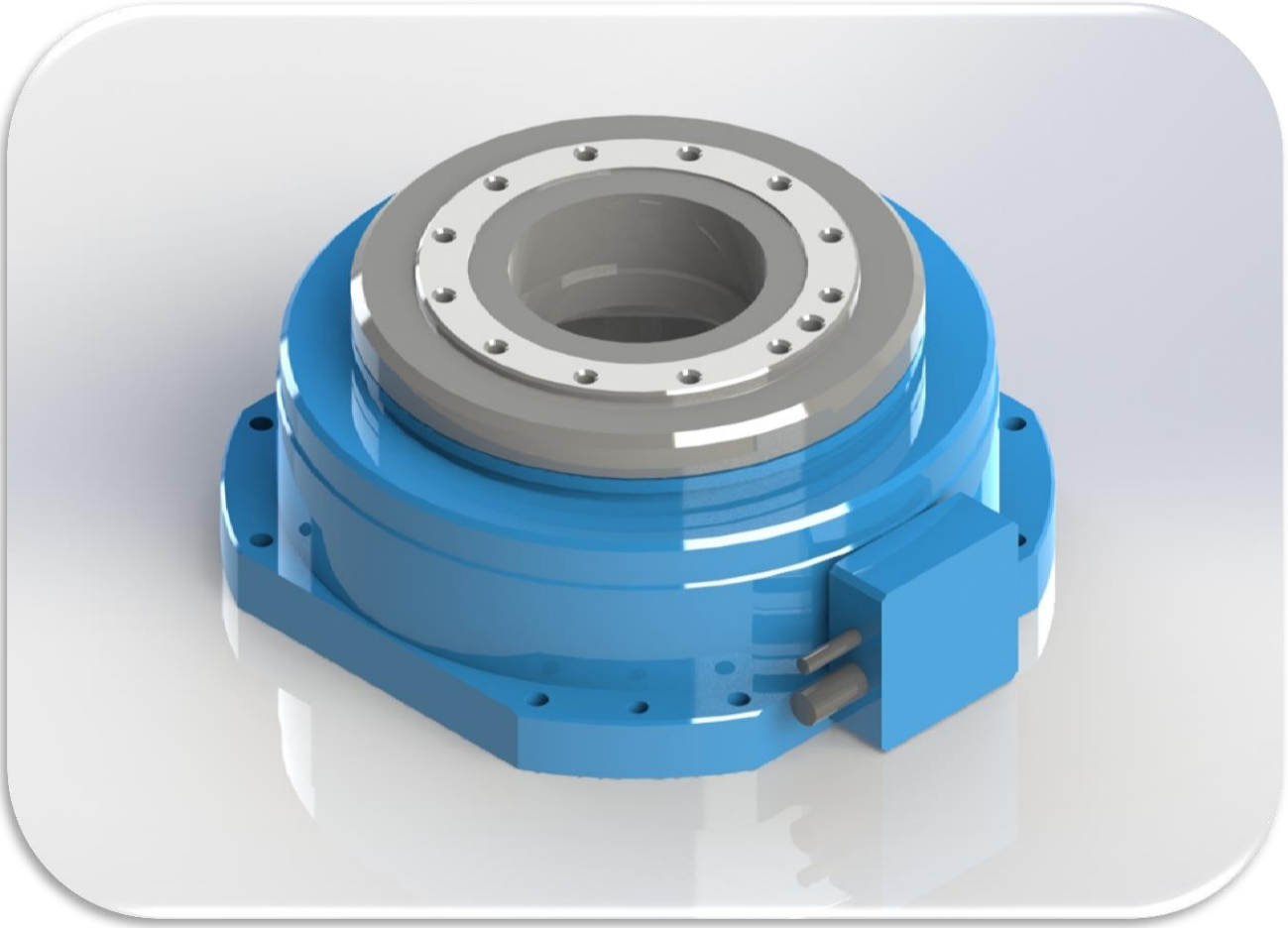
Parameter	Unit	RSM-T-24-92-25	RSM-T-24-92-50	RSM-T-24-92-75
Maximal axial payload	micron	65		
Maximal radial payload	micron	65		
Maximal payload tilting torque	arc.sec.	30		

RSM-T-24-92..



Parameter	A, mm	Weight, Kg
RSM-T-24-92-25	85	7
RSM-T-24-92-50	110	9
RSM-T-24-92-75	135	11

RSM-T-24-122..



Performance

Parameter	Unit	RSM-T-24-122-25		RSM-T-24-122-50		RSM-T-24-122-75	
Rotor inertia	kgm²	0.01		0.015		0.02	
Peak torque	Nm	39		79		119	
Continuous torque	Nm	15		29		43	
Bearing friction torque	Nm	2					
Detent torque	Nm	0.5		1.0		1.5	
3 phases winding combination	**Unit**	**GS**	**GT**	**GS**	**GT**	**GS**	**GT**
Maximum velocity at Mp	rpm	465	750	214	406	127	260
Maximum velocity at Ma	rpm	750		400	710	260	470
Maximum velocity at Mb	rpm	750		525	750	350	600

RSM-T-24-122..

Electrical

Parameter	Unit	RSM-T-24-122-25		RSM-T-24-122-50		RSM-T-24-122-75	
3 phases winding combination	Unit	GS	GT	GS	GT	GS	GT
Peak current at Mp and N=0	Arms	14	24	14	24	14	24
Continuous current	Arms	4.9	8.4	4.9	8.4	4.9	8.4
supply voltage AC	V	~220 V AC					
Electrical resistance	Ohm	2.9	1.0	4.7	1.6	6.6	2.2
Electrical inductance	mH	15	5	30	10	46	15

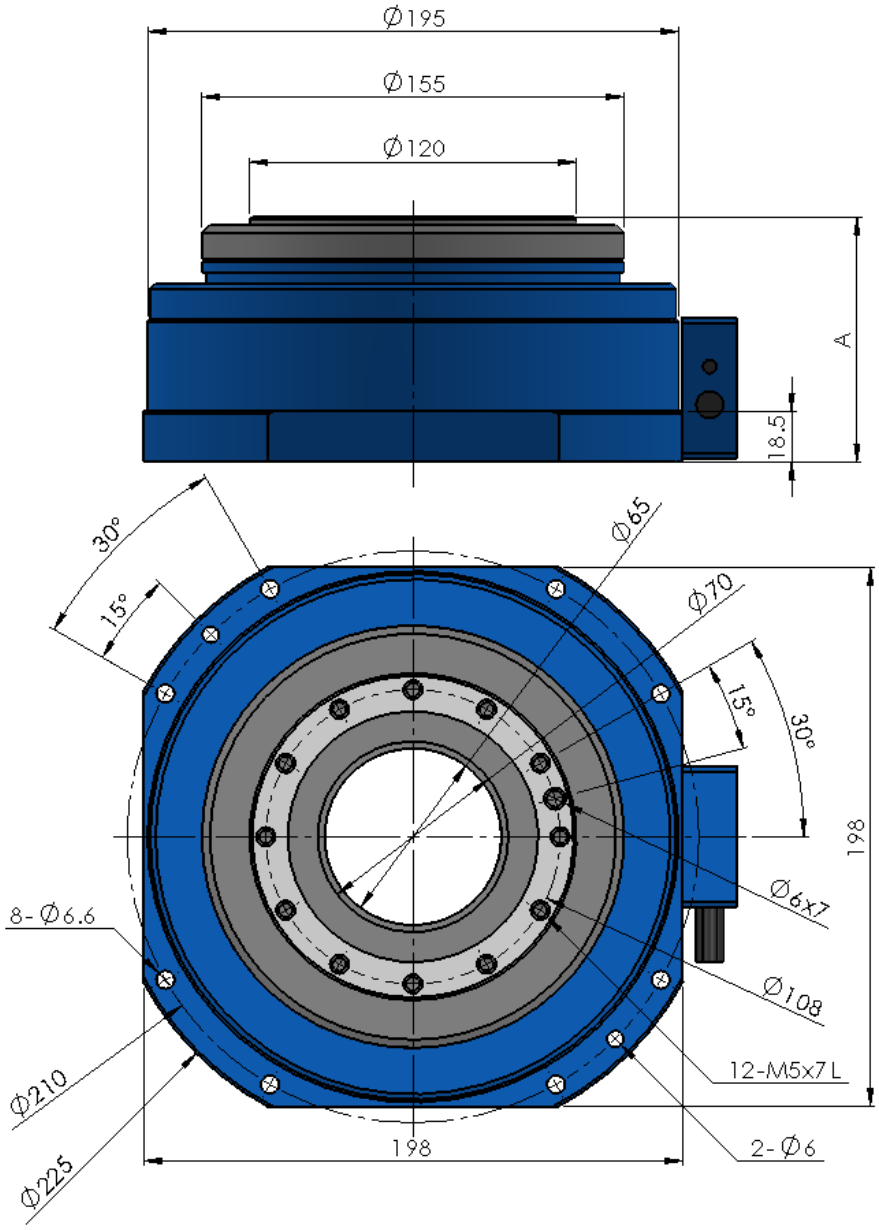
Precision

Parameter	Unit	RSM-T-24-122-25	RSM-T-24-122-25	RSM-T-24-122-50
Axial run-out	micron	30		
radial run-out	micron	30		
Position accuracy	arc.sec.	50		
Repeatability	arc.sec.	5		
Number of encoder lines		3600		
Resolution	arc.sec.	1		

Load on output flange

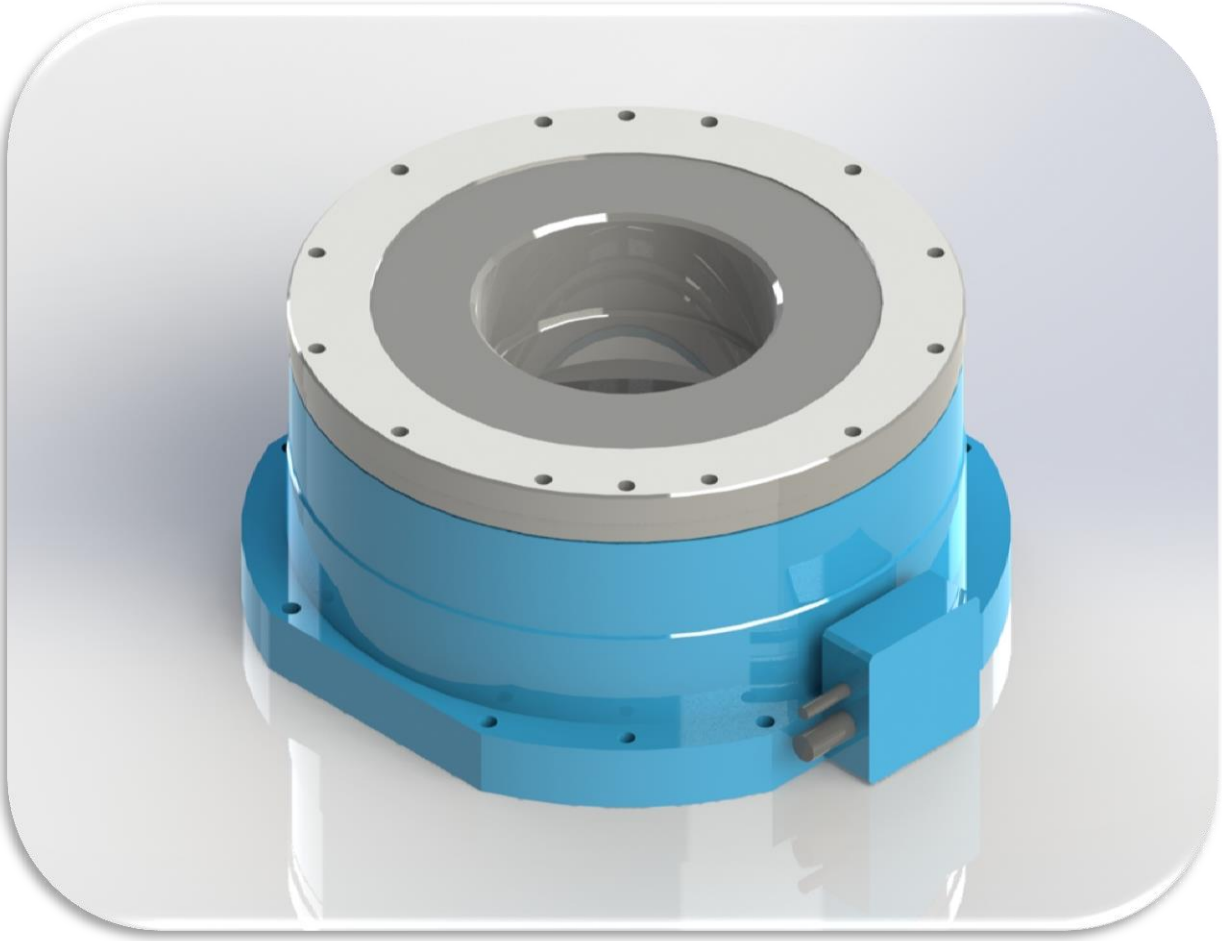
Parameter	Unit	RSM-T-24-122-25	RSM-T-24-122-25	RSM-T-24-122-50
Maximal axial payload	micron	80		
Maximal radial payload	micron	40		
Maximal allowable payload torque	arc.sec.	30		

RSM-T-24-122..



Parameter	A, mm	Weight, Kg
RSM-T-24-122-25	100	10
RSM-T-24-122-50	125	12
RSM-T-24-122-75	150	14

RSM-T-24-153..



Performance

Parameter	Unit	RSM-T-24-153-25		RSM-T-24-153-50		RSM-T-24-153-75	
Rotor inertia	kgm²	0.02		0.025		0.03	
Peak torque	Nm	62		124		185	
Continuous torque	Nm	21		46		67	
Bearing friction torque	Nm	2		2		2	
Detent torque	Nm	0.6		1.2		2.0	
3 phases winding combination	**Unit**	**HS**	**HT**	**GS**	**GT**	**GS**	**GT**
Maximum velocity at Mp	rpm	102	228	128	253	71	158
Maximum velocity at Ma	rpm	237	437	250	452	160	297
Maximum velocity at Mb	rpm	324	560	336	581	225	389

RSM-T-24-153..

Electrical

Parameter	Unit	RSM-T-24-153-25		RSM-T-24-153-50		RSM-T-24-153-75	
3 phases winding combination	**Unit**	**HS**	**HT**	**GS**	**GT**	**GS**	**GT**
Peak current at Mp and N=0	Arms	6.7	11.7	14	24	14	24
Continuous current	Arms	2.2	3.8	4.9	8.6	4.9	8.6
supply voltage AC	V	~220 V AC					
Electrical resistance	Ohm	17	6	6	2	8	3
Electrical inductance	mH	81	27	38	13	57	19

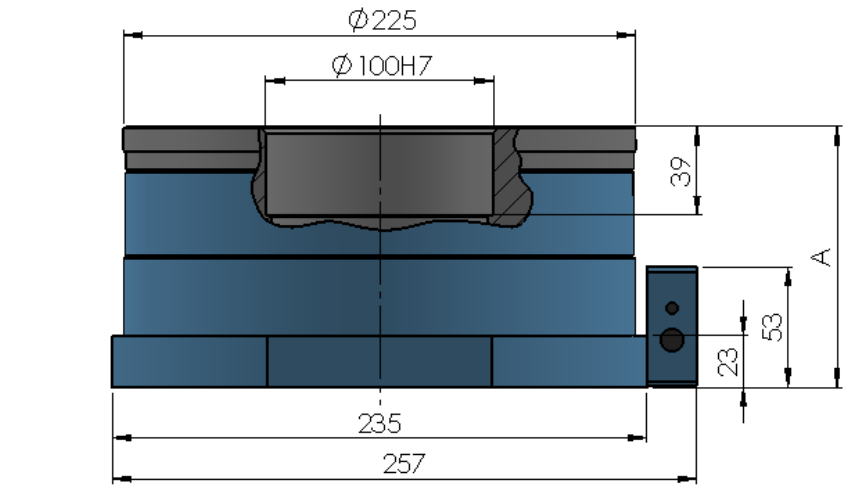
Precision

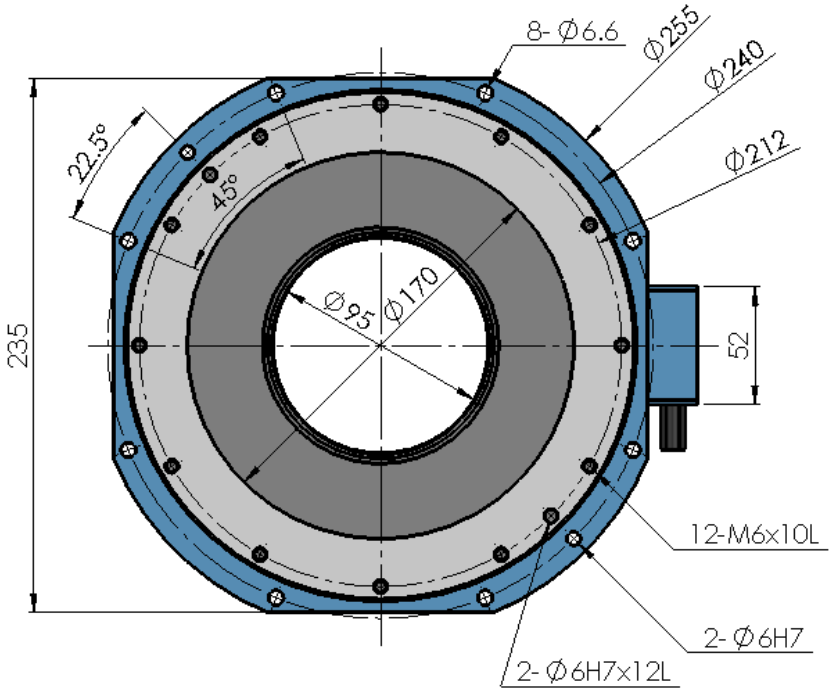
Parameter	Unit	RSM-T-24-153-25	RSM-T-24-153-25	RSM-T-24-153-50
Axial run-out	micron	20		
radial run-out	micron	30		
Position accuracy	arc.sec.	40		
Repeatability	arc.sec.	5		
Number of encoder lines		5400		
Resolution	arc.sec.	1		

Load on output flange

Parameter	Unit	RSM-T-24-153-25	RSM-T-24-153-25	RSM-T-24-153-50
Maximal axial payload	micron	100		
Maximal radial payload	micron	50		
Maximal allowable payload torque	arc.sec.	30		

RSM-T-24-153..





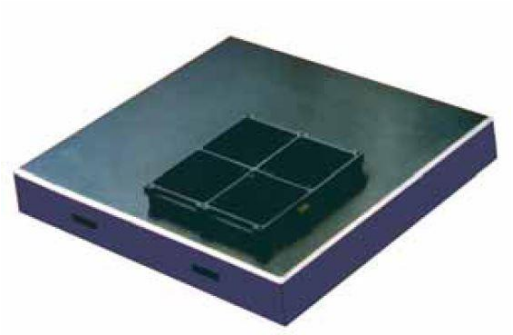
Parameter	A, mm	Weight, Kg
RSM-T-24-153-25	115	14
RSM-T-24-153-50	140	19
RSM-T-24-153-75	165	24

Planar Servomotor Series



Ruch servomotor

Planar Servomotor



Specific features

- Free motion in two coordinates.
- Positioning on any space plane.
- Compact, low profile design.
- Simple design of a multi-coordinate system in one plane provided by increasing the number of forcer
- Several coordinate systems with intersecting trajectories in one plane are possible.

Application

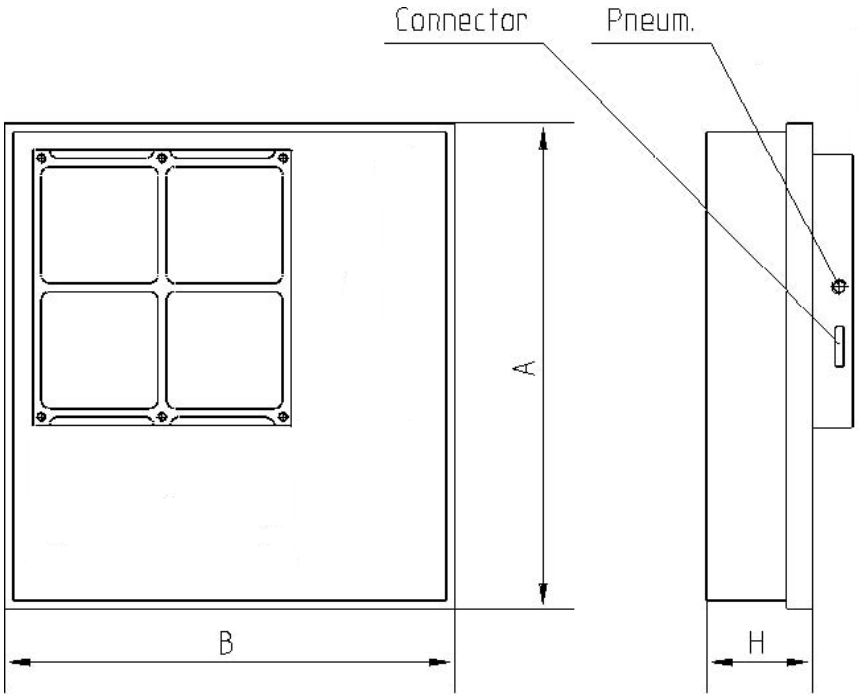
- Assembly operations in microelectronics and instrument engineering:
- Probe monitoring.
- Surface mounting elements and units assembly.
- Printed circuit board control.
- Laser technological complexes.
- Measuring machines.

Common technical data

Parameter	Unit	Data
Forcer type		Hybrid stepping motor
Forcer / Stator thread period	mm	0.64; 1.00
Number of phases		2
Rated current/phase	A	3±0,3
Peak current/phase	A	6
Max. speed	m/s	1.5
Repeatability accuracy	micron	3
Positioning accuracy	micron	±15*
Resolution	micron	1
Air supply pressure	MPa	0,32±0,01
Air gap during operation	MPa	8-12
Air quality		1 micron fine filter, oil-free, dried
Ambient temperature operational band allowed		20°±15

* - depend from forcer model

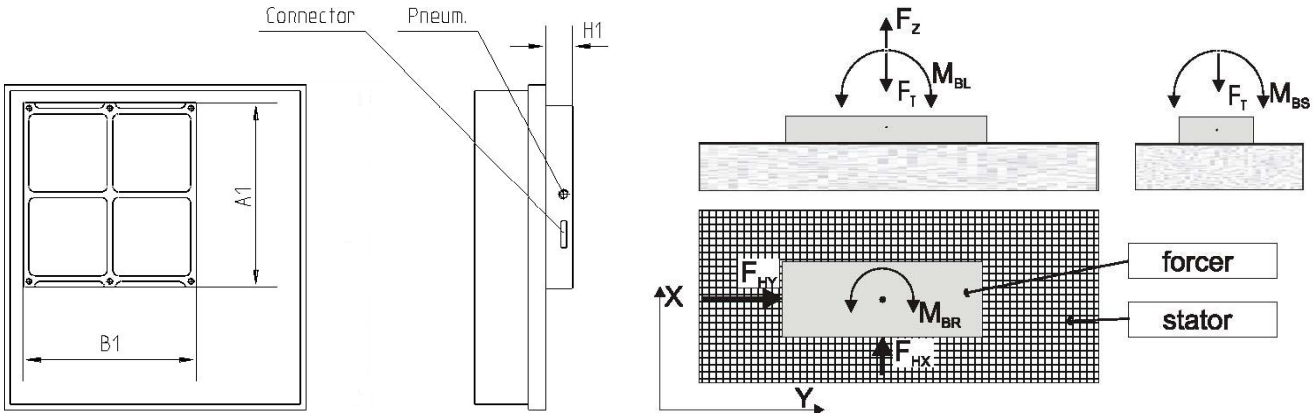
Planar Servomotor



Dimensions of the inductor

Inductor type	A	B	H	Period division of inductor, mm	Weight
PRM-S -235x245x43,5	235	245	43,5	0,64	15
PRM-S -330x350x45	330	350	45	0,64 or 1,00	30
PRM-S -600x400x100	600	450	100	0,64 or 1,00	75
PRM-S -600x600x83	600	600	83	0,64 or 1,00	80
PRM-S -640x640x80	640	640	80	0,64 or 1,00	95
PRM-S -720x700x83	720	700	83	0,64 or 1,00	100
PRM-S -800x600x100	800	600	100	0,64 or 1,00	120
PRM-S -850x850x100	850	850	100	0,64 or 1,00	155
PRM-S -1000x700x120	1200	700	120	0,64 or 1,00	250
PRM-S -1050x850x120	1200	850	120	0,64 or 1,00	310
PRM-S -1200x900x120	1200	900	120	0,64 or 1,00	340
PRM-S -2000x1000x120	2000	1000	120	1,00	520
PRM-S -235x245x43,5	235	245	43,5	0,64	15

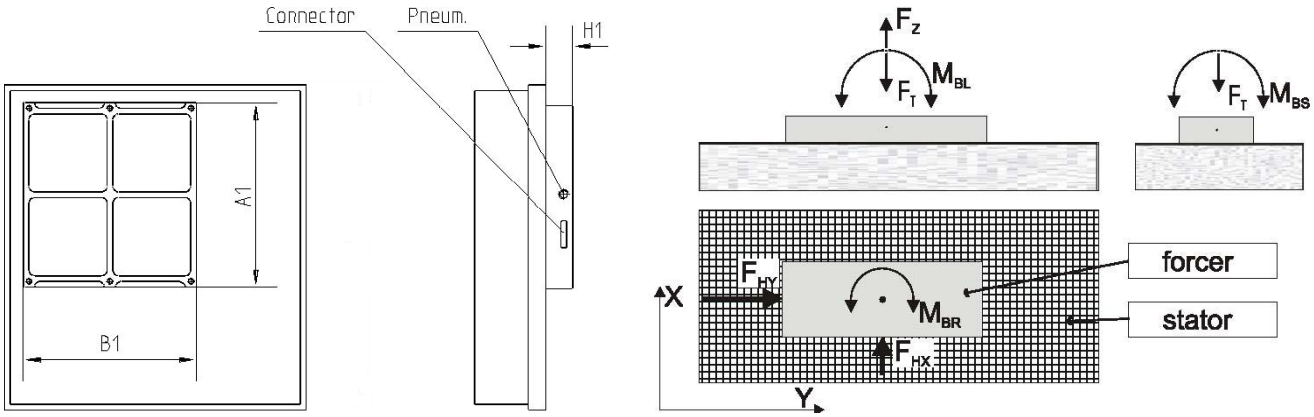
Planar Servomotor



Technical data and overall dimension of the forcer

		PRM-P-1.00-122-130-18	PRM-P-0.64-146-154-18	PRM-P-0.64-120-240-25	PRM-P-1.00-181-240-25	PRM-P-1.00-230-280-25	PRM-P-0.64-146-154-23	PRM-P-0.64-320-168-34
Overall dimensions of the forcer (A1xB1xH1)	mm	122 x 130 x 18	146 x 154 x 18	120 x 240 x 25	181 x 240 x 25	280 x 230 x 25	146 x 154 x 23	320 x 168 x 34
Forcer weight	kg	0,7	1,1	1,5	2,1	3.2	1.35	4.3
Air flow rate	Liter/min	4	4	6	9	17,5	6.6	12,8
Rated current	A	3.0	3.0	3.0	3, 0	3.0	3.0	3.0
Resistance	Ohm	3,9	5,6	4,0	3,9	2.5	1.5	2.3
Inductance	mH	8.1	11	8.4	8.1	6.3	1.3	4.6
Max. holding force [FH] ±5% Fнx - coordinate X Fнy - coordinate Y	N	 25 25	 50 50	 68 68	 90 90	 170 170	 75 75	 180 180
Intrinsic holding force [FS] at I=0	N	3	5	7	8~10	11~17	8	18
Repeatability	micron	3	3	3	3	3	3	3
Positioning accuracy	micron	±25	±20	±20	±20	±20	±10	±10
Resolution	micron	3	3	3	3	3	1	1
Attraction force [FZ]	N	187	360	510	675	1275	560	1350
Max. load [FT]	N	145	290	390	530	980	430	1000
Moment [MBR]	Nm	1.5	3.2	6.9	9.2	20.2	4.9	24.4

Planar Servomotor



Technical data and overall dimension of the forcer

		PRM-P-0.64-300~156-25	PRM-P-0.64-320-175-30-HS	PRM-P-0.64-200-154-25	PRM-P-0.64-154-184-28-HS	PRM-P-0.64-115-115-23	PRM-P-0.64-380-360-48-HS	PRM-P-0.64-115-154-23
Overall dimensions of the forcer (A1xB1xH1)	mm	300 x 156 x 25	320 x 175 x 30	200 x 154 x 25	154 x 184 x 28	115 x 115 x 23	380 x 360 x 48	115 x 154 x 23
Forcer weight	kg	3.2	3.7	2.3	-	0.7	12	1.2
Air flow rate	Liter/min	21	21	11,6	6.4	3.2	36.2	5.0
Rated current	A	3.0	3.0	3,0	3.0	3,0	6.0	3.0
Resistance	Ohm	1.3	1.5	1,4	0.8	0.5	0.4	0.5
Inductance	mH	3.4	3.6	3,6	1.9	0.8	1.0	0.8
Max. holding force [FH] ±5% Fнx - coordinate X Fнy - coordinate Y	N	 140 140	 140 140	 140 70	 75 75	 28 28	 350 350	 25 25
Intrinsic holding force [FS] at I=0	N	9~14	7~10	7~10	7~8	4~5	30	3
Repeatability	micron	3	3	3	3	3	3	3
Positioning accuracy	micron	±15	±10	±10	±10	±10	±10	±10
Resolution	micron	1	1	1	1	1	1	1
Attraction force [FZ]	N	1000	1000	830	560	200	2500	190
Max. load [FT]	N	800	800	650	430	160	1500	150
Moment [MBR]	Nm	17.0	19.0	12.9	5.8	1.5	56.4	1.6

Ruch
servomotor

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