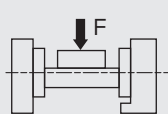
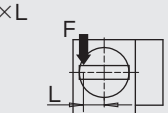
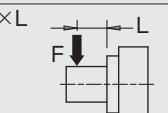


Specifications

Rotary table housing RSR

Specifications			RSR120		RSR160	
Table outer diameter		mm	ϕ120		ϕ160	
Table pilot bore diameter		mm	ϕ90 ^{+0.035} ₀		ϕ90 ^{+0.035} ₀	
Center height		mm	155		195	
Gear ratio			1/72		1/72	
Motor model			αiS4/5000-B	R2AAB8100F~	αiF8/3000-B	R2AA13180H~
			FANUC	BROTHER	FANUC	BROTHER
Output maximum rotation speed		r/min	65		40	
Indexing accuracy		arc.sec	±15		±15	
Repeatability		arc.sec	8		8	
Net weight		kg	41.5	40.5	81.5	88.5
Net weight(when a rotary joint is installed)		kg	53	52	92.5	99.5
Allowable workpiece inertia		kg·m ²	2.7		5.1(26.3)* ⁵	
90° indexing time		sec	0.46		0.45(0.75)* ⁵	
Allowable payload	Without support table	kg	282.5		437.5	
	With support table	kg	565		875	
Permitted radial load* ¹		N	20600		24000	
Maximum eccentric load torque* ^{2,3}		N·m	415	318	835	713
Maximum moment load		N·m	1300		2300	
Minimum setting unit		deg	0.0001		0.0001	
Motor shaft equivalent inertia* ⁴		×10 ⁻⁴ kg·m ²	1.41	1.82	2.51	3.64
Lubrication method			Oil bath		Oil bath	
Oil type/quantity			Mobil SHC629(150cst)/0.7ℓ		Mobil SHC629(150cst)/1.4ℓ	
Rotary joint(number of ports)			12+1		12+1	

*1. The maximum radial load is correct when using a support table.

*2. The maximum load torque is the servo motor holding torque.

*3. The maximum load torque should be for 30 seconds or less with a duty cycle of 40%.

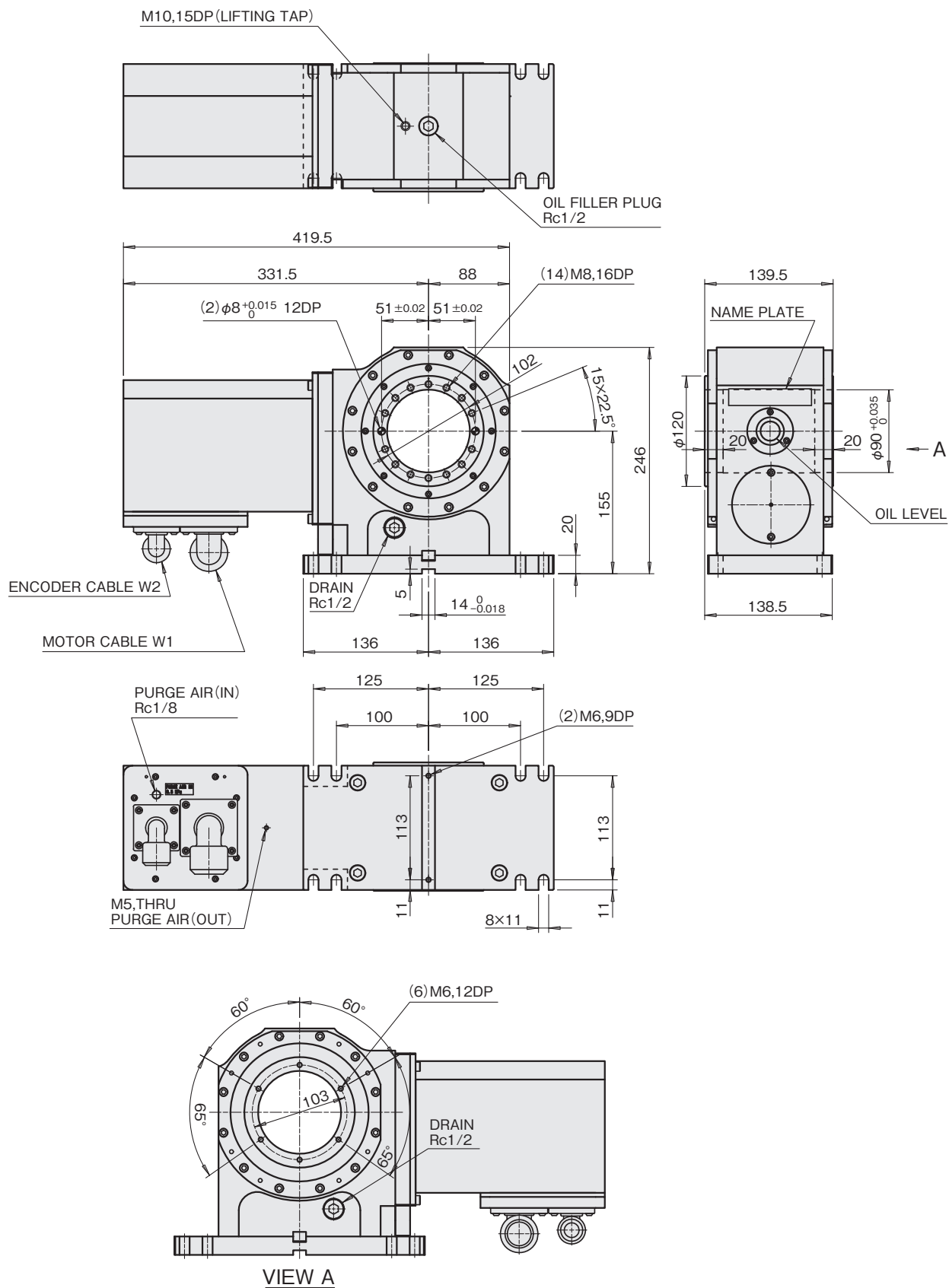
*4. The specified motor shaft equivalent inertia does not include the inertia of the motor shaft.

*5. When used with workload inertia of 26.3 kg·m², a 90° indexing time will be 0.75 sec.

Dimensions

RSR120-L

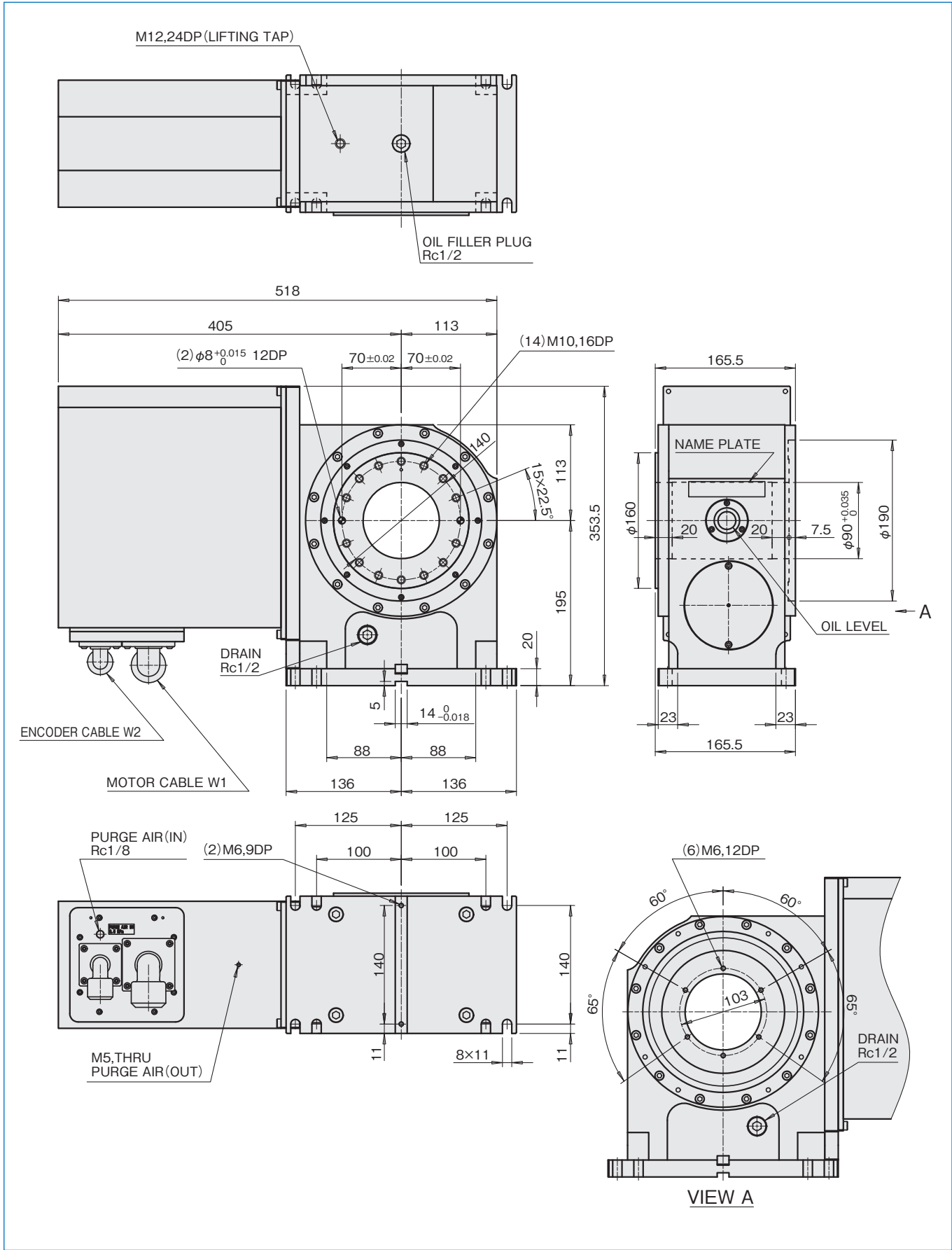
Unit : mm



Dimensions

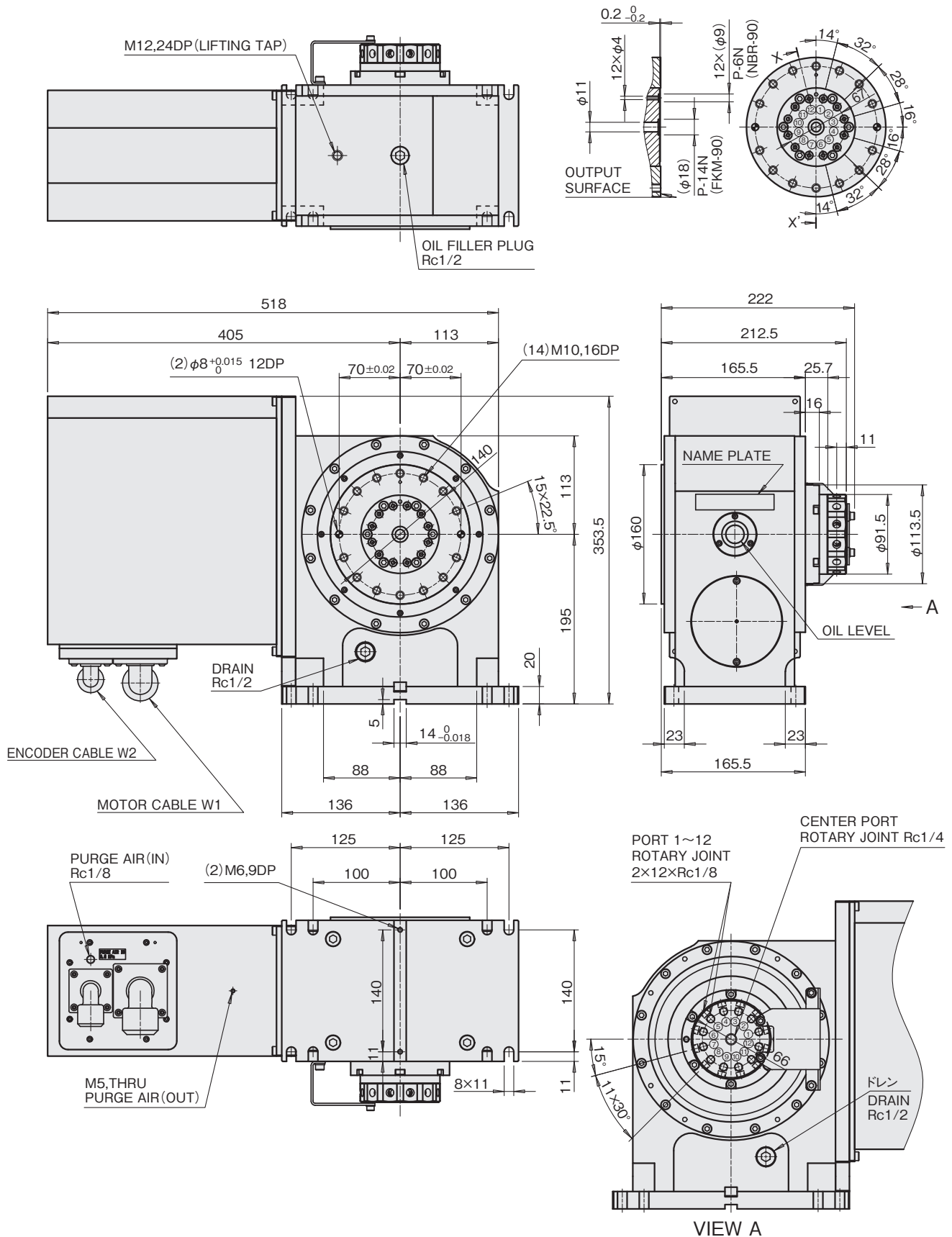
RSR160-L□

Unit : mm



RSR160-L□-J

Unit : mm



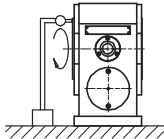
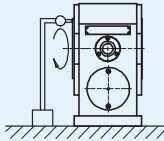
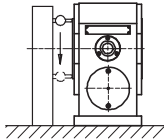
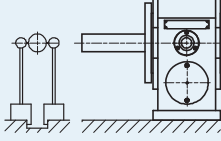
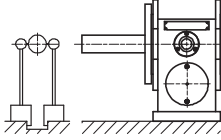
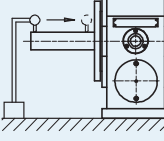
Compatible Servomotor Models

	Code : A (FANUC With brake)	Code : A1 (FANUC Without brake)※1	Code : D (BROTHER)
RSR120	α iS4/5000-B (A06B-2215-B300)	α iS4/5000-B (A06B-2215-B000)	R2AAB8100FCRGYM
RSR160	α iF8/3000-B (A06B-2227-B300)	α iF8/3000-B (A06B-2227-B000)	R2AA13180HCR9CM

※1. If a motor brake control is not possible, select the code for a servo motor that doesn't have a brake.

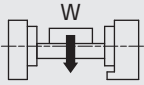
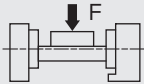
However, please note that this mechanism does not self-lock, so the table may rotate depending on its posture in the event of a power failure.

Precision Rating

No.	Measurement	Method	RSR120	RSR160
1	Runout of the table top		0.01 mm	0.01 mm
2	Run out of the table pilot bore		0.01 mm	0.01 mm
3	Perpendicularity between table top and the mounting reference surface		0.02 mm (must not lean forward)	0.02 mm (must not lean forward)
4	The parallelism between the rotary axis and the mounting reference surface guide block		0.02 mm /150 mm	0.02 mm /150 mm
5	Degree of tilt between the rotation axis and the mounting reference surface guide block		0.02 mm	0.02 mm
6	The parallelism between the rotation center and the mounting reference surface		0.02 mm /150 mm	0.02 mm /150 mm
7	Indexing accuracy		±15 arc.sec	±15 arc.sec
8	Repeatability		8 arc.sec	8 arc.sec

Specifications

Support table SSR

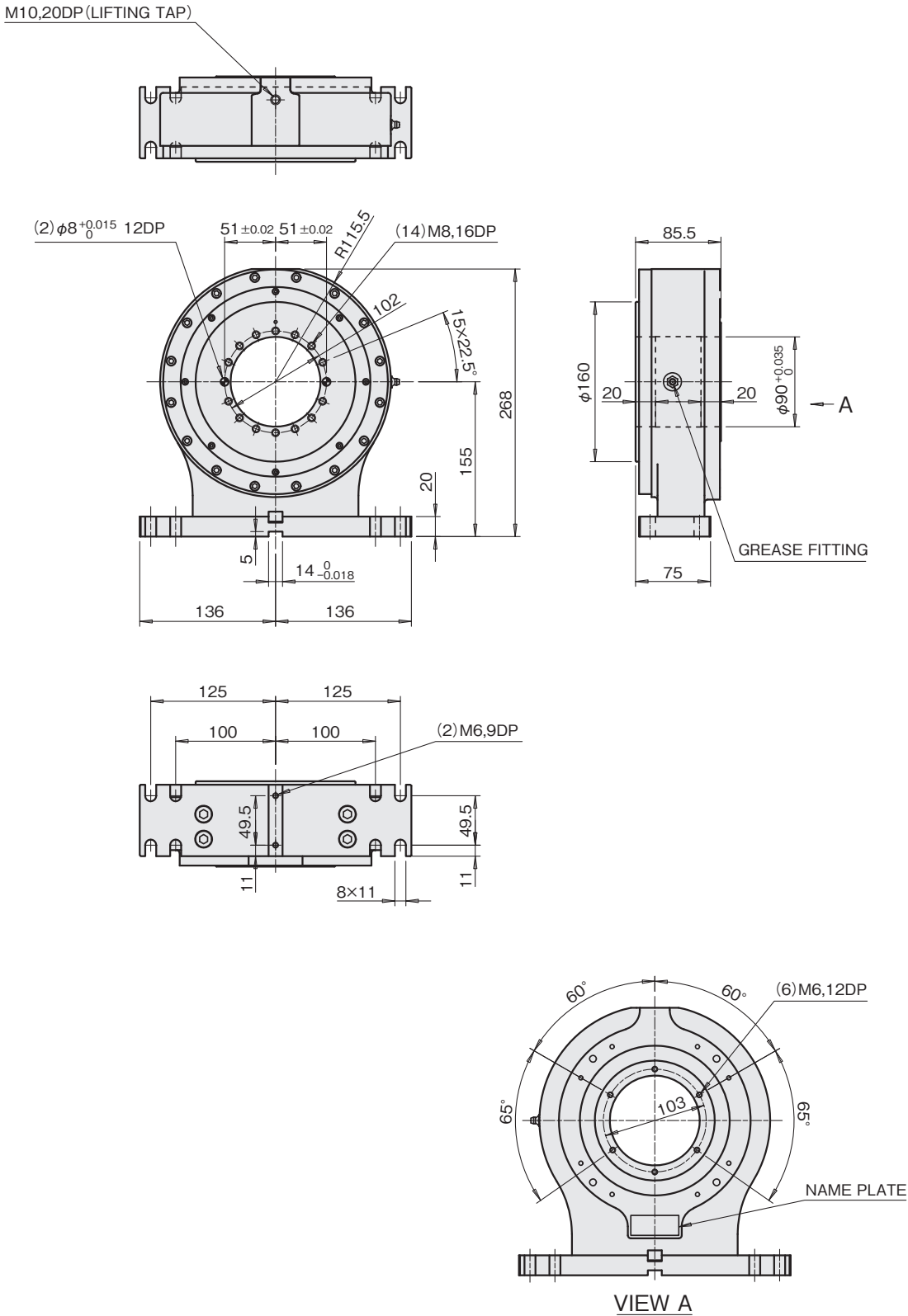
Specifications			SSR155	SSR195
Applicable table models			RSR120	RSR160
Table diameter	mm		φ160	φ160
Table pilot bore diameter	mm		$\phi 90^{+0.035}_0$	$\phi 90^{+0.035}_0$
Center height	mm		155	195
Output rotating section inertia	kg·m ²		0.22	0.22
Net weight	kg		24	29
Net weight(when a rotary joint is installed)	kg		37	42
Allowable payload ^{*1}		kg	565	875
Allowable load ^{*1}		N	20600	24000
Lubrication method			Grease lubrication	Grease lubrication
Oil type			AP(N)2	AP(N)2
Rotary joint (number of ports)			12+1	12+1

*1.The maximum load mass and the maximum load are the values when used as a set with an applicable table.

Dimensions

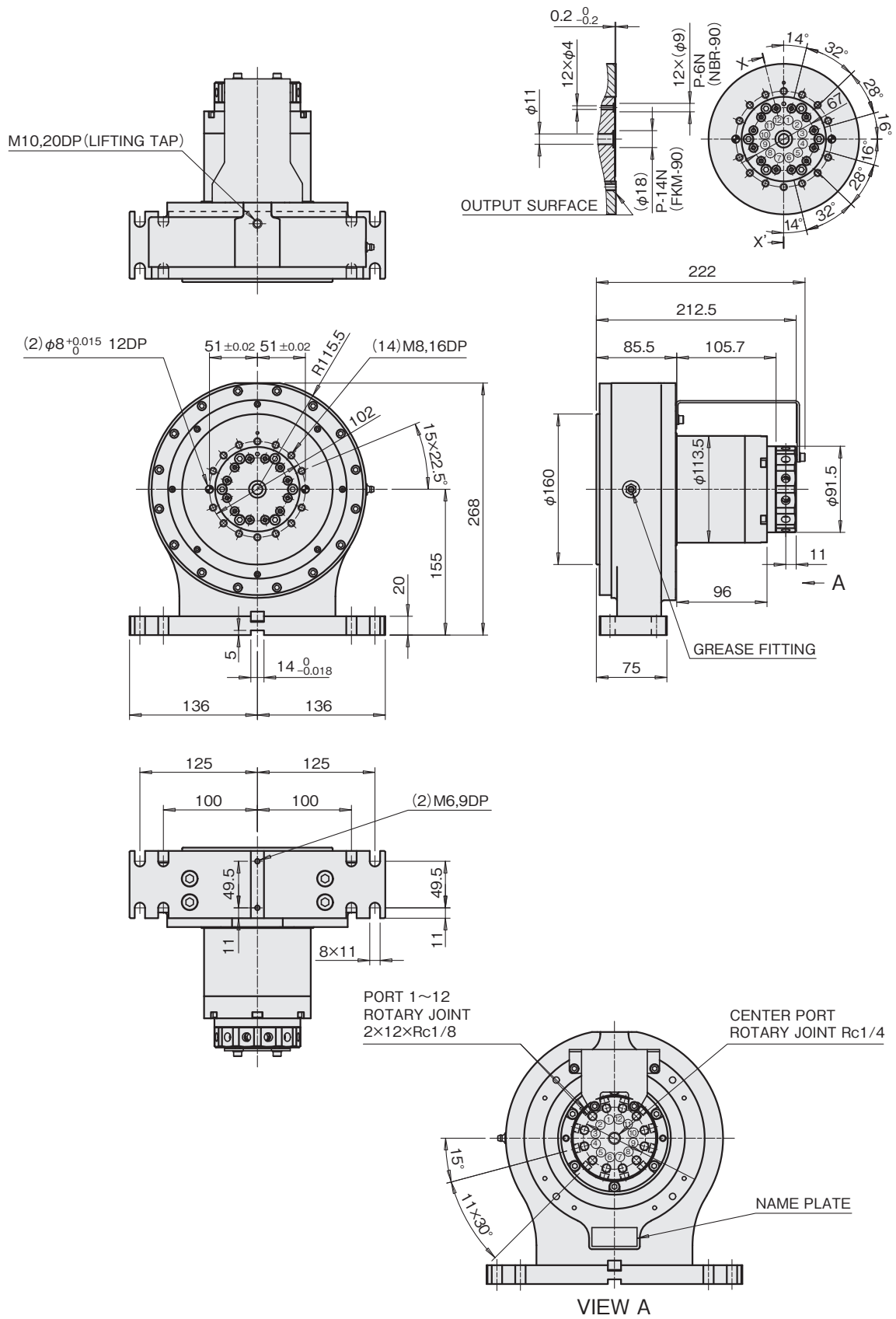
SSR155

Unit : mm



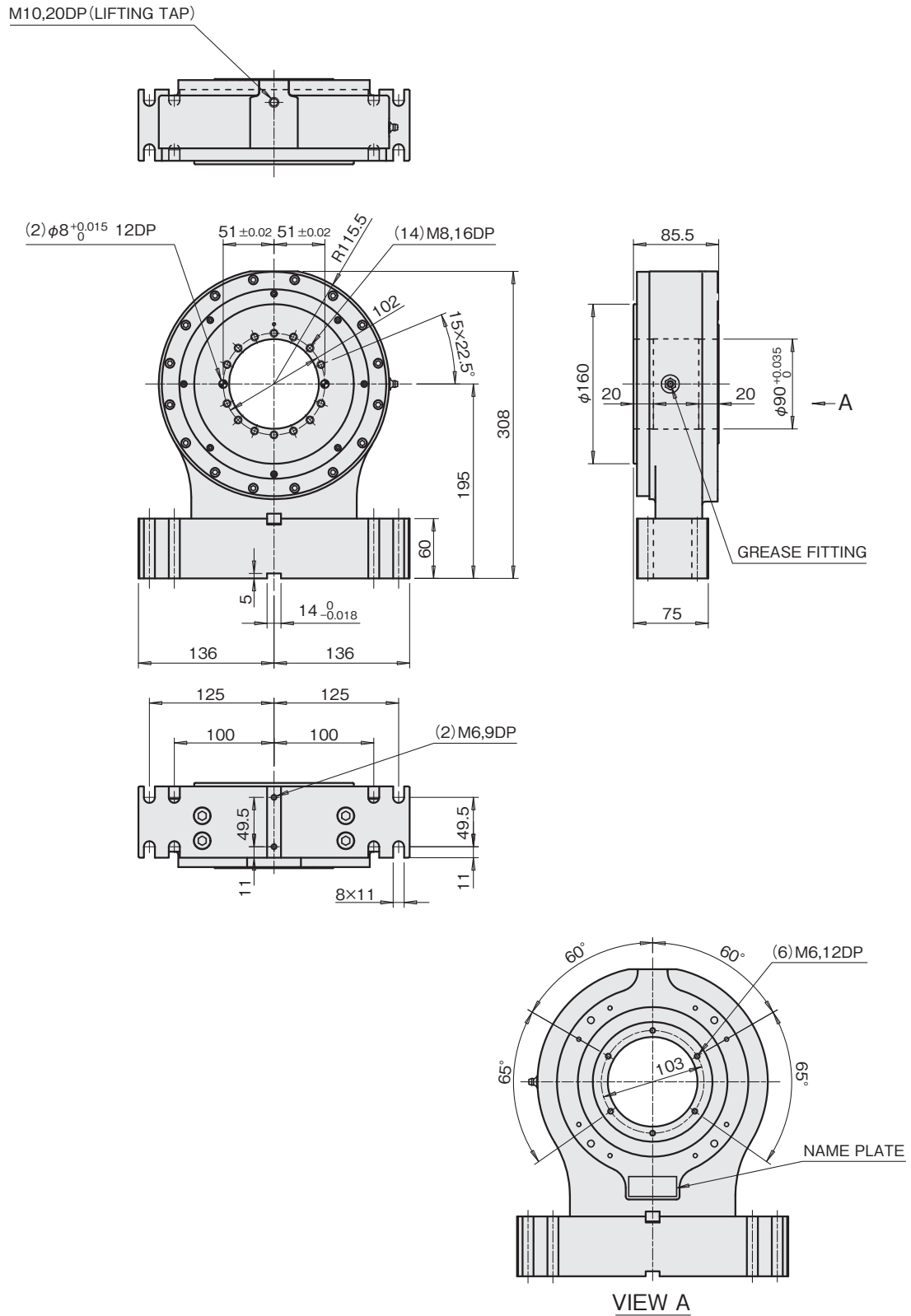
SSR155-J

Unit : mm



SSR195

Unit : mm



SSR195-J

Unit : mm

