

● Common specifications

Product specifications



1. Installation position can be freely chosen. (Oilless)
2. Mounting face

On the face indicated with an arrow in the right figure, mounting holes are provided.

4 locations

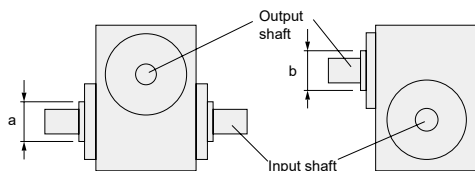
Helisert for 4 locations (top)



4 locations

Helisert for 4 locations (bottom)

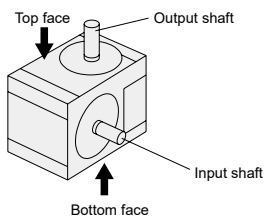
3. Material of housing / A l
4. Oilless / grease filled lubrication
5. Diameter of input/output shaft stepped section



Dimensions	a	b
Size		
025	ø 8.5	ø 13
032	ø 10.5	ø 15

6. Housing dowel pin hole dimensions (custom order)

When housing dowel pin holes are to be added, the dimensions should be as follows:



	025	032
Bottom face		
Standard bore	2-ø4H8 depth 6	2-ø5H7 depth 8

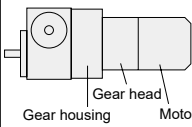
*For the tolerance of positioning pins on bottom face, contact us.



7. Optional gear head + motor

List of gear head + motor installation

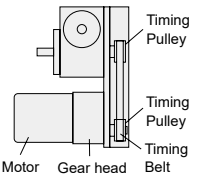
Body	Model No.	RGIS RGOS	025	032
Motor specification	Motor output		6W	15W
	Induction	Single-phase 100 V	⊙	⊙
		Single-phase 200V	○	○
	Reversible	Single-phase 100 V	○	○
		Single-phase 200V	○	○
	Mini Electromagnetic brake	Single-phase 100 V	○	○
		Single-phase 200V	○	○
	C/B	Single-phase 100 V	○	—
Gear head reduction ratio			1/3, 1/3.6, 1/5, 1/6, 1/7.5, 1/9, 1/12.5, 1/15, 1/18, 1/25, 1/30, 1/36, 1/50, 1/60, 1/75, 1/90, 1/100, 1/120, 1/150, 1/180	
Gear housing and belt pulley reduction ratio			1/1	



Gear housing

Gear head

Motor



Timing Pulley

Timing Pulley

Timing Belt

Motor

Gear head

⊙... Standard (Given in external dimensions)

○... Semi standard

— ... No applicable model

Note: Electronic brake circuit is required when intermittently driven with an induction motor.
Purchase a brake pack manufactured by Oriental Motor Company separately.

Note: Calculate the motor capacity before using.

11. About the options (motor)

Manufacturers specify the approximate service life for optional components as below. Depending on the operating frequency, a component may reach its service life quickly. Set up the maintenance schedule referring to the following service life.

Service life suggested by the manufacturers of optional components

Options	Approximate service life	Manufacturer
Motor with brake, Motor with C/B	2,000,000 operating cycles	Oriental Motors

8. Optional miniature worm reducer

Body	Model No.	Reducer Size	Reduction ratio
RGIS RGOS	025	CRG25	1/10, 1/20, 1/30, 1/40, 1/50, 1/60
	032	CRG32	1/10, 1/20, 1/30, 1/40, 1/50, 1/60

* Note that the actual reduction ratio of 1/20 and 1/40 will be 1/19.5 and 1/39 respectively.

9. Optional single-turn detection cam on the input shaft + proximity switch

Proximity switch model No.

SW model No.	Manufacturer
E2S-Q23	OMRON

10. Optional torque saver (TSF2 to TSF4) + release detection proximity switch

Proximity switch model No.

SW model No.	Manufacturer
TL-W3MC1	OMRON

Compact

1. Standard model No. Index series

Product specifications

Compact

Standard

Table

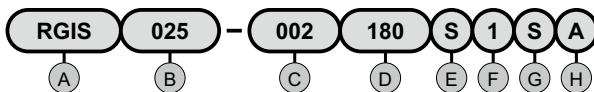
Wide angle

Basic

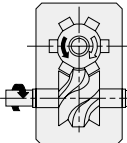
Parallel cam drive

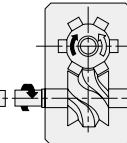
Linear	Circular
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Option



A Model	B Shaft interval		C Index number (n)			D Total index angle (θt)		E Cam curve		F Cam helix direction/dwell No.	
RGIS	025	25 mm	002	2	045	45°	S	MS curve (Standard)	1	Left helix/1 dwell	
		032	32 mm	003	3	060			60°	2	Left helix/2 dwell
			004	4	090	90°	C	MC curve (MCV50)	3	Left helix/3 dwell	
			005	5	120	120°			4	Left helix/4 dwell	
			006	6	150	150°	T	MT curve			
			008	8	180	180°			5	Right helix/1 dwell	
			009	9	210	210°			6	Right helix/2 dwell	
			010	10	240	240°			7	Right helix/3 dwell	
			012	12	270	270°			8	Right helix/4 dwell	
			016	16	300	300°					
			018	18	330	330°					
			020	20							
			024	24							
			030	30							
			032	32							
			036	36							
		040	40								
		048	48								





Left helix
(Standard)

Right helix

For details of the timing chart, refer to B-7.

Example of model No. (1)

RGIS025-003120C1FA

Shaft interval25 mm

Index number 3

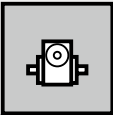
Total index angle 120°

Cam curve MC curve

Cam helix direction/dwell No. Left helix/1 dwell

Shape of the output shaft Flange

Material of housing AI housing



G Shape of the output shaft		H Material of housing	
S	Straight	A	Aluminum housing
F	Flange		
* When a torque saver (optional) is installed, the code will be S.		* No Fc housing specification is available for the compact types.	

Example of model No. (2)

RGIS032-048150S4SA

Shaft interval 32 mm
Index number 48
Total index angle 150° (37.5° × 4)
Cam curve MS curve
Cam helix direction/dwell No. Left helix/4 dwell
Shape of the output shaft Straight
Material of housing Al housing

Product specifications

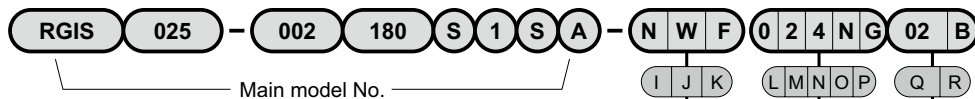
Option	Roller gear cam drive			Compact
	Basic	Wide angle	Table	Standard
Parallel cam drive				
Pick and Place drive				
	Linear	Circular		

Roller gear cam drive **Discontinue** Compact

2-1. Model No. with options

Common for index and oscillating series

Product specifications



▼ When a worm reducer is installed

L M N O P	
L M Reducer size	N Reduction ratio
02 CRG25	1 1/10
03 CRG32	2 1/20
	3 1/30
	4 1/40
	5 1/50
	6 1/60

▼ When a gear head and a motor are installed

L M N O P	
L Motor type	M Motor output
E Induction	A 6 W
R Reversible	B 15 W
B With brake	
C With C/B	
* Refer to List of gear heads and motor installation on D-4.	

Compact	Input/Output shaft specification code		
	I Input shaft specification code (left shaft)	J Input shaft specification code (right shaft)	K Output shaft specification code
Standard	N Stepped area Left shaft N□□	N Right shaft □N□	N □□N
	K K□□	K □K□	K □□K
	C C□□	C □C□	
	W W□□	W □W□	F • A □□F □□A
	G Gear head + Motor G□□	G Gear head + Motor □G□	S • B □□S □□B
Parallel cam drive	J J□□ (Proximity switch)	J □J□ (Proximity switch)	Note 4
	N Standard (with keyway) K No keyway C Cutoff * This is cut off at the stepped spot. It will protrude from the housing. Verify the dimensions with the diagram. W With the worm reducer * Since the specification for the worm reducer (CRG reducer) is required, determine "Worm reducer installation specification code." G Gear head + motor * Since the specifications for the gear head and the motor are required, determine "Gear head and motor installation specification code." J Input shaft - with rotation detection cam + proximity switch (1 station) * Double or higher are custom order items. (When the input shaft is rotated in both directions, double may be required.) * The proximity switch detects 2 spots for the 2 dwell setup (including oscillation). If the dwell No. is 3 or greater, a custom order is required.	N Standard (with keyway) K No keyway (straight shaft) F With Torque saver (TSF) A With Torque saver (TSF) (without keyway on the output shaft) S With Torque saver (TSF) + proximity switch for release detection B With Torque saver (TSF) + proximity switch for release detection (without keyway on the output shaft) Since the specification for a torque saver is required when F, A, S, or B is selected, determine "Torque saver installation specification code."	

Product specifications

	Roller gear cam drive			
	Basic	Wide angle	Table	Standard
Parallel cam drive				Compact

Option	Pick and Place drive	
	Linear	Circular

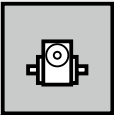
Roller gear cam drive **Discontinue**

Compact

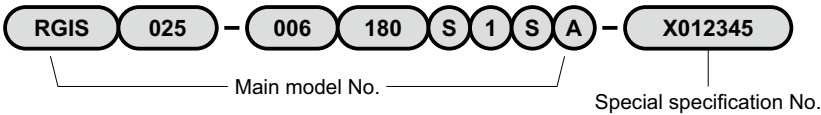
2-2. Examples of model numbers with options / 3. Custom specification model No.

When you place an order with a model number, ensure that it matches exactly what you ordered. Even if 1 letter is incorrectly written in symbols representing the model No., the product will be with incorrect specifications. In order to deliver what you require, carefully determine the model number referring to the following examples.

Product specifications	Roller gear cam drive	Example of model No. (3)		Example of model No. (4)	
		RGIS025-020240S2SA-NNK		RGIS032-008090S1SA-NGNEBANH	
		Input shaft specification		Input shaft specification	
		Left shaft: Standard		Left shaft: Standard	
Compact	Standard	Right shaft: Standard		Right shaft: Gear head + motor installed	
		Output shaft specification		Output shaft specification: Standard	
		No keyway		Motor installation specification	
				Motor type: Induction	
Table	Wide angle			Motor output: 15 W	
				Voltage: Single-phase 100 V	
				Reduction ratio: 1/50	
				Driving method: Lateral belt drive	
Basic	Parallel cam drive	Example of model No. (5)		Example of model No. (6)	
		RGIS025-003210S1SA-NNF-02B		RGIS032-008270S1SA-JGSRBAKH03A	
		Input shaft specification		Input shaft specification	
		Left shaft: Standard		Left shaft: Input shaft - with rotation detection cam + proximity switch (1 station)	
Option	Pico and Pro series	Right shaft: Standard		Right shaft: Gear head + motor installed	
		Output shaft specification: Torque saver installed		Output shaft specification: Torque saver installed (with proximity switch)	
		Torque saver mounting specification		Gear head + motor installation specification	
		TSF size: TSF2		Motor type: Reversible	
		Release torque range: B		Motor output: 15 W	
				Voltage: Single-phase 100 V	
				Reduction ratio: 1/25	
				Driving method: Lateral belt drive	
				Torque saver mounting specification	
				TSF size: TSF3	
				Release torque range: A	



● Special specification model number Common for index and oscillating series



* Add "-X (6 digit number)" after the main model No. as the special specification number.

The special specification model number shall be determined after the consultation with the customer. Options other than the standard are available upon request. Please provide us with the specifications.

* High speed specifications (input shaft rotational speed of 200 rpm or higher) are deemed to be special specifications.



Product specifications

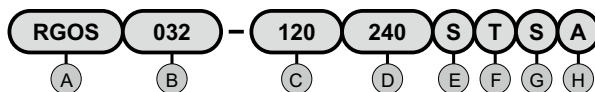
Option	Parallel cam drive			Roller gear cam drive			Compact
	Pick and Place drive	Linear		Basic	Wide angle	Table	
						Standard	

Compact

1. Standard model No.

Oscillating series

Product specifications

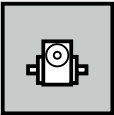


(A) Model		(B) Shaft interval		(C) Oscillating angle (ψ)		(D) Total index angle (θt)		(E) Cam curve		(F) Orbit pattern	
RGOS	025	25 mm	180	180°	090	90° (45°×2)	S	MS curve (Standard)	T	When the input shaft starts to rotate from the rotation reference point, the output shaft rotates in sequence from 1 and 2 as in the figure. Output shaft oscillation Reference position (keyway) Input shaft rotation Reference position (0°)	S When the input shaft starts to rotate from the rotation reference point, the output shaft rotates in sequence from 1 and 2 as in the figure. Output shaft oscillation Reference position (keyway) Input shaft rotation Reference position (0°) For details of the timing chart, refer to B-7.
	032	32 mm	120	120°	120	120° (60°×2)	C	MC curve (MCV50)			
			090	90°	180	180° (90°×2)	T	MT curve			
			060	60°	240	240° (120°×2)					
			045	45°	300	300° (150°×2)					
			030	30°	360	360° (180°×2)					

Example of model No. (1)

RGOS025-180300STSA

Shaft interval 25 mm
 Oscillating angle 180°
 Total index angle 300° (150° × 2)
 Cam curve MS curve
 Orbit pattern T
 Shape of the output shaft Straight
 Material of housing Al housing



Shape of the output shaft		Material of housing	
S	Straight	A	Aluminum housing
F	Flange		
* When a torque saver (optional) is installed, the code will be S.		* No Fc housing specification is available for the compact types.	

Example of model No. (2)

RGOS032-060120STFA

Shaft interval 32 mm
Oscillating angle 60°
Total index angle 120° (60° × 2)
Cam curve MS curve
Orbit pattern T
Shape of the output shaft Flange
Material of housing Al housing

Product specifications

Option	Roller gear cam drive				Compact
	Parallel cam drive		Table	Standard	
Pick and Place drive	Basic	Wide angle			
Linear					
Circular					

25 mm

Straight shaft

Discontinue

Index

RG | S 025

Oscillator

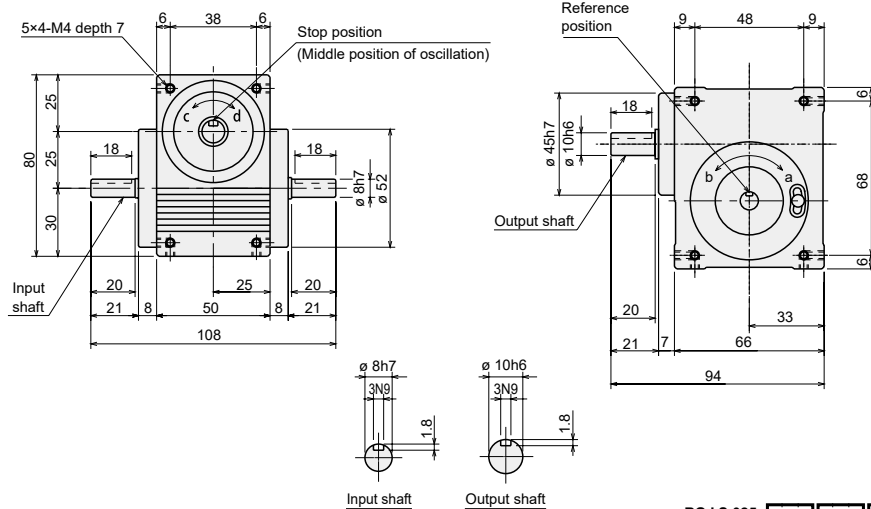
RGOS 025

Compact

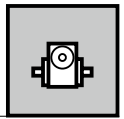
- ### ● Standard specifications



Dimensions



RG I S 025- SA
RGOS 025



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	300	200
Allowable radial force	N	250	200
Allowable bending moment	N·m	7	—
Moment of inertia	kg·m ²	9.14×10^{-6}	9.42×10^{-6}

Descriptions	Unit	Characteristics
Internal frictional torque (Tin)	N·m	0.68
Product weight	kg	1
Oil level	ℓ	Sealed grease
Body color		Silver
Finishing		Alumite

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±90
	2 dwell	±180
	3 dwell	±240
	4 dwell	±300
Repeatability		45
Oscillating accuracy (sec.)		
Indexing accuracy		±180
Repeatability		45

* For dwell accuracy, please contact us.

List of index angles

Index series **RGIS 025** Cam curve / MS

Total index angle(θt)		45	60	90	120	150	180	210	240	270	300	330
Index number(n)												
1 dwell	2					○	○	○	○	○	○	○
	3				○	○	○	○	○	○	○	○
	4				○	○	○	○	○	○	○	○
	5								○	○	○	○
	6		○	○	○	○	○	○	○	○	○	○
	8			○	○	○	○	○	○	○	○	○
	9				○	○	○	○	○	○	○	○
2 dwell	10				○	○	○	○	○	○	○	○
	16				○	○	○	○	○	○	○	○
	18				○	○	○	○	○	○	○	○
3 dwell	20				○	○	○	○	○	○	○	○
	24					○	○	○	○	○	○	○
4 dwell	30					○	○	○	○	○	○	○
	32						○	○	○	○	○	○
	36						○	○	○	○	○	○
	40					○	○	○	○	○	○	○

Oscillating series **RGOS 025** Cam curve / MS

Total index angle(θt)		90	120	180	240	300	360
Oscillating angle (ψ)							
180						○	○
120					○	○	○
90					○	○	○
60			○	○	○	○	○
45				○	○	○	○

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Pick and Place drive
Linear Circular

Option

● Dimensions with options

Product specifications

Compact

Standard

Table

Roller gear cam drive

Wide angle

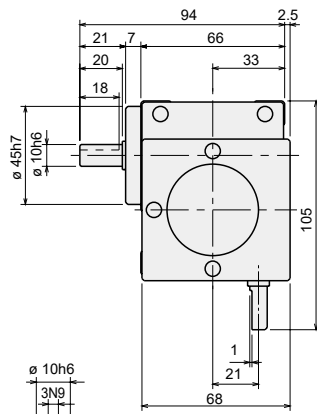
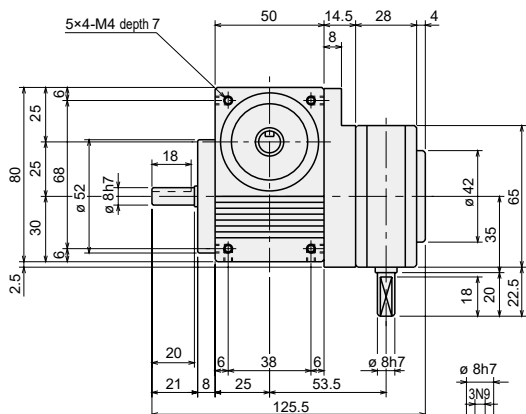
Basic

Parallel cam drive

Linear Circular
Pulse and
Pass drive

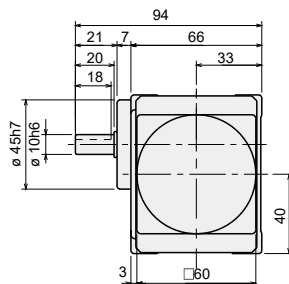
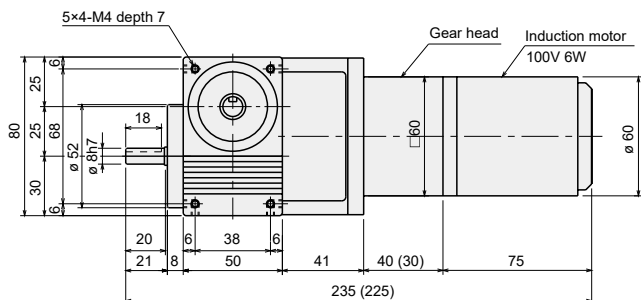
Option

With worm reducer (CRG25)

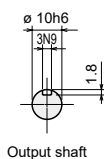
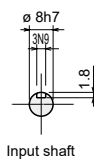


RG I S 025- ☐ ☐ ☐ ☐ SA-NWN02 ☐ NG
RGOS 025

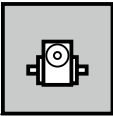
With Gear head + motor (gear drive)



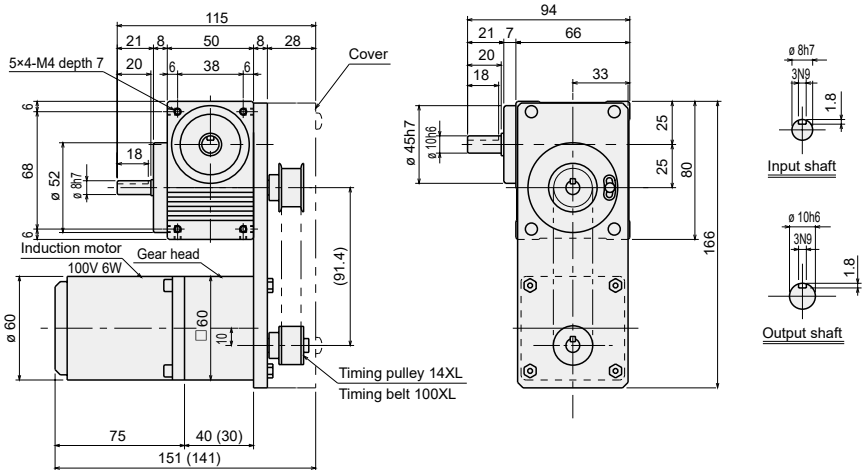
Dimensions in () are for gear head reduction ratio of 1/3 to 1/18.



RG I S 025- ☐ ☐ ☐ ☐ SA-NGNEAA ☐ G
RGOS 025



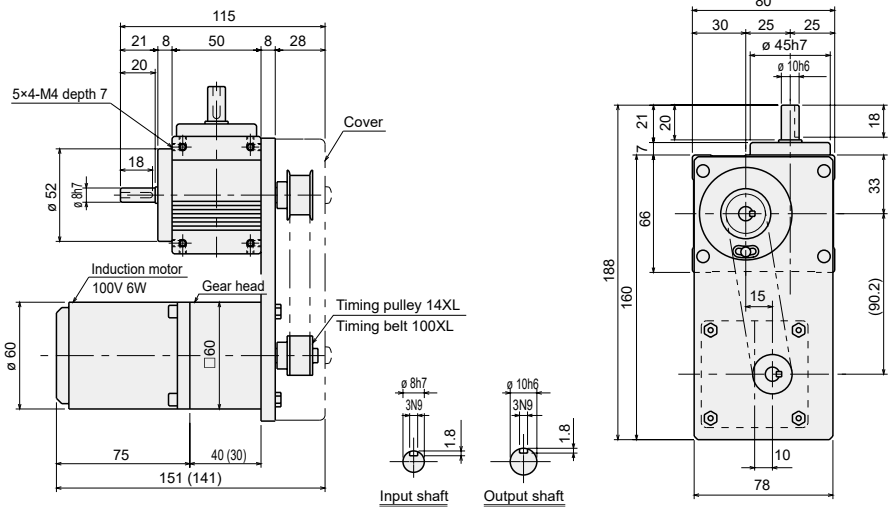
With Gear head + motor (lateral gear drive)



Dimensions in () are for gear head reduction ratio of 1/3 to 1/18.
Dimensions are for 1/3 to 1/18.

RG I S 025- [] [] [] [] [] SA-NGNEAA [] H
RGOS 025

With Gear head + motor (longitudinal gear drive)



Dimensions in () are for gear head reduction ratio of 1/3 to 1/18.

RG I S 025- [] [] [] [] [] SA-NGNEAA [] V
RGOS 025

Product specifications

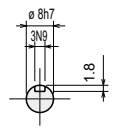
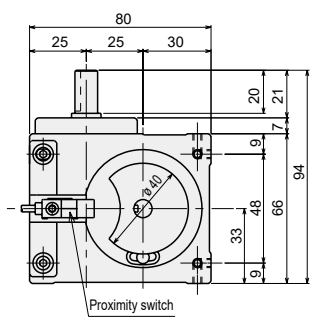
Option	Parallel cam drive			Roller gear cam drive			Compact	
	Pick and Place drive	Linear	Circular	Basic	Wide angle	Table		Standard
		Basic		Wide angle				

Index	RG I S 025
Oscillator	RGOS 025

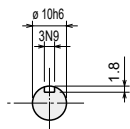
● Dimensions with options

Product specifications

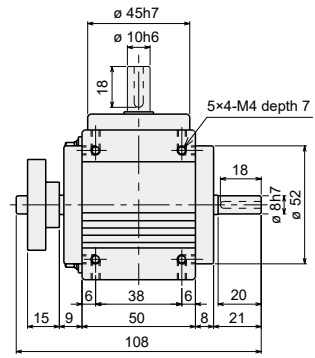
Input shaft - with rotation detection cam + proximity switch



Input shaft



Output shaft



RG I S 025- ☐ ☐ ☐ ☐ ☐ SA-JNN
RGOS 025

Compact	Standard	Table	Roller gear cam drive	Wide angle	Basic	Parallel cam drive	Linear	Circular	Option
							Price and Performance		

25 mm

Flange shaft

Discontinue

Index

RG | S 025

Oscillator

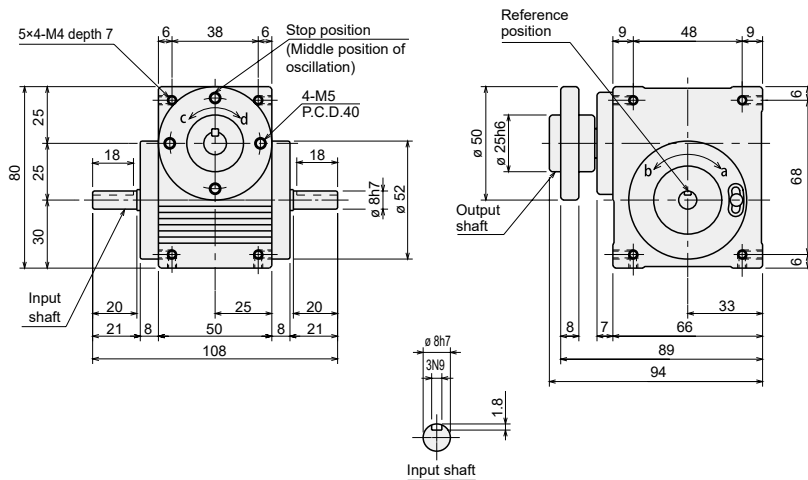
RGOS 025

Compact

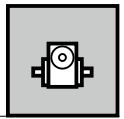
- ### ● Standard specifications



Dimensions



RG I S 025- FA
RGOS 025



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	300	200
Allowable radial force	N	250	200
Allowable bending moment	N·m	7	-
Moment of inertia	kg·m ²	2.36×10^{-5}	9.42×10^{-6}

Descriptions	Unit	Characteristics
Internal frictional torque (Tin)	N·m	0.68
Product weight	kg	1
Oil level	ℓ	Sealed grease
Body color		Silver
Finishing		Alumite

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±90
	2 dwell	±180
	3 dwell	±240
	4 dwell	±300
Repeatability		45
Oscillating accuracy (sec.)		
Indexing accuracy		±180
Repeatability		45

* For dwell accuracy, please contact CKD.

List of index angles

Index series **RGIS 025** Cam curve/MS

Total index angle(θt)												
Index number(n)		45	60	90	120	150	180	210	240	270	300	330
1 dwell	2					○	○	○	○	○	○	○
	3				○	○	○	○	○	○	○	○
	4				○	○	○	○	○	○	○	○
	5								○	○	○	○
	6		○	○	○	○	○	○	○	○	○	○
	8			○	○	○	○	○	○	○	○	○
	9				○	○	○	○	○	○	○	○
2 dwell	10				○	○	○	○	○	○	○	○
	16				○	○	○	○	○	○	○	○
	18				○	○	○	○	○	○	○	○
3 dwell	20				○	○	○	○	○	○	○	○
	24					○	○	○	○	○	○	○
	30					○	○	○	○	○	○	○
4 dwell	32						○	○	○	○	○	○
	36						○	○	○	○	○	○
	40					○	○	○	○	○	○	○

Oscillating series **RGOS 025** Cam curve/MS

Total index angle(θt)							
Oscillating angle (ψ)		90	120	180	240	300	360
180						○	○
120					○	○	○
90					○	○	○
60			○	○	○	○	○
45				○	○	○	○

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Pick and Place drive
Linear Circular

Option

● Dimensions with options

Product specifications

Compact

Standard

Table

Wide angle

Basic

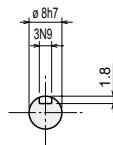
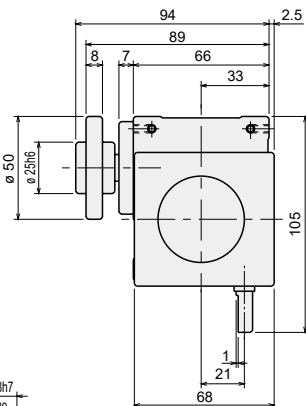
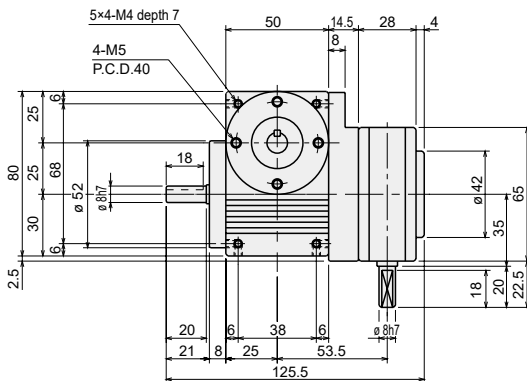
Parallel cam drive

Linear
Circular
Pulse and
Phase drive

Option

Roller gear cam drive

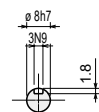
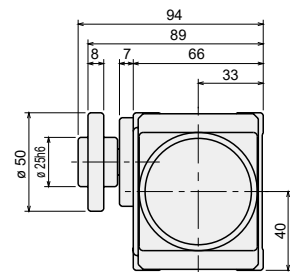
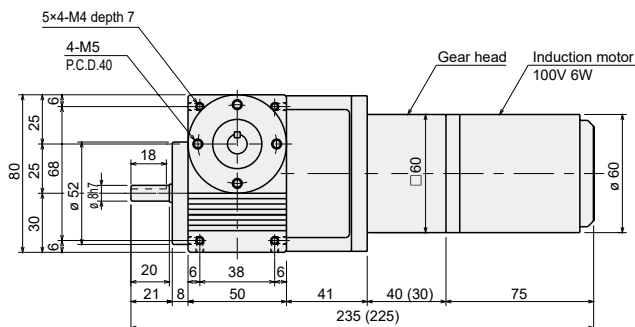
With worm reducer (CRG25)



Input shaft

RG I S 025- ☐ ☐ ☐ ☐ ☐ FA-NWN02 ☐ NG
RGOS 025

With Gear head + motor (gear drive)



Input shaft

Dimensions in () are for gear head reduction ratio of 1/3 to 1/18.

RG I S 025- ☐ ☐ ☐ ☐ ☐ FA-NGNEAA ☐ G
RGOS 025

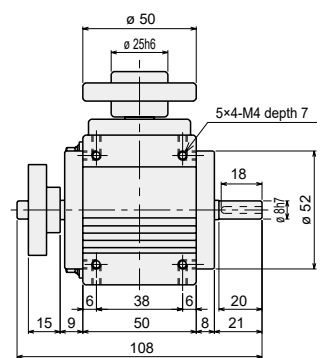
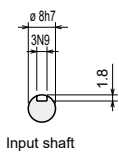
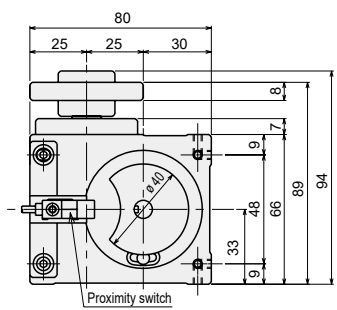
Index	RG I S 025
Oscillator	RGOS 025

● Dimensions with options

Product specifications

Option	Linear	Circular	Price and Performance
Basic	Parallel cam drive	Table	Roller gear cam drive
Wide angle	Standard	Compact	

Input shaft - with rotation detection cam + proximity switch



RG I S 025- FA-JNN
RGOS 025

Discontinue

●MEMO

Product specifications

Compact

Standard

Table
year car

Wide angle	F
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Basic

Parallel cam drive

Pick and Place drive	Linear	Circular

Option

32 mm

Straight shaft

Discontinue

Index

RG | S 032

Oscillator

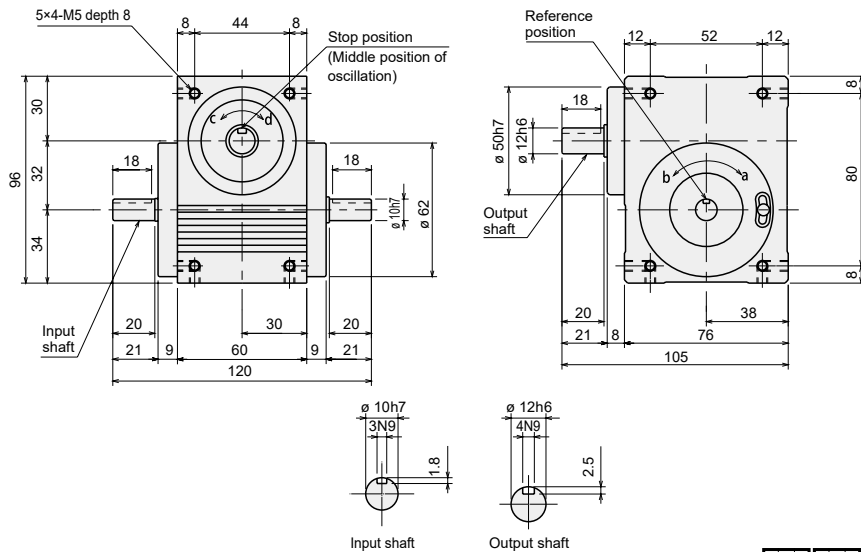
RGOS 032

Compact

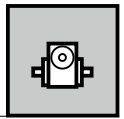
- ### ● Standard specifications



Dimensions



RG I S 032- SA
RGOS 032



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	400	220
Allowable radial force	N	400	250
Allowable bending moment	N·m	12	-
Moment of inertia	kg·m ²	2.23×10^{-5}	2.94×10^{-5}

Descriptions	Unit	Characteristics
Internal frictional torque (Tin)	N·m	1.1
Product weight	kg	1.4
Oil level	ℓ	Sealed grease
Body color		Silver
Finishing		Alumite

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±60
	2 dwell	±180
	3 dwell	±240
	4 dwell	±300
Repeatability		30
Oscillating accuracy (sec.)		
Indexing accuracy		±180
Repeatability		30

* For dwell accuracy, please contact CKD.

List of index angles

Index series **RGIS 032** Cam curve / MS

Total index angle(θt)		45	60	90	120	150	180	210	240	270	300	330
Index number(n)												
1 dwell	2					○	○	○	○	○	○	○
	3				○	○	○	○	○	○	○	○
	4			○	○	○	○	○	○	○	○	○
	5					○	○	○	○	○	○	○
	6		○	○	○	○	○	○	○	○	○	○
	8	○	○	○	○	○	○	○	○	○	○	○
	9			○	○	○	○	○	○	○	○	○
	10			○	○	○	○	○	○	○	○	○
2 dwell	12			○	○	○	○	○	○	○	○	○
	16				○	○	○	○	○	○	○	○
	18				○	○	○	○	○	○	○	○
	20				○	○	○	○	○	○	○	○
3 dwell	24			○	○	○	○	○	○	○	○	○
	24					○	○	○	○	○	○	○
	30					○	○	○	○	○	○	○
4 dwell	36				○	○	○	○	○	○	○	○
	32						○	○	○	○	○	○
	36					○	○	○	○	○	○	○
	40					○	○	○	○	○	○	○
	48				○	○	○	○	○	○	○	○

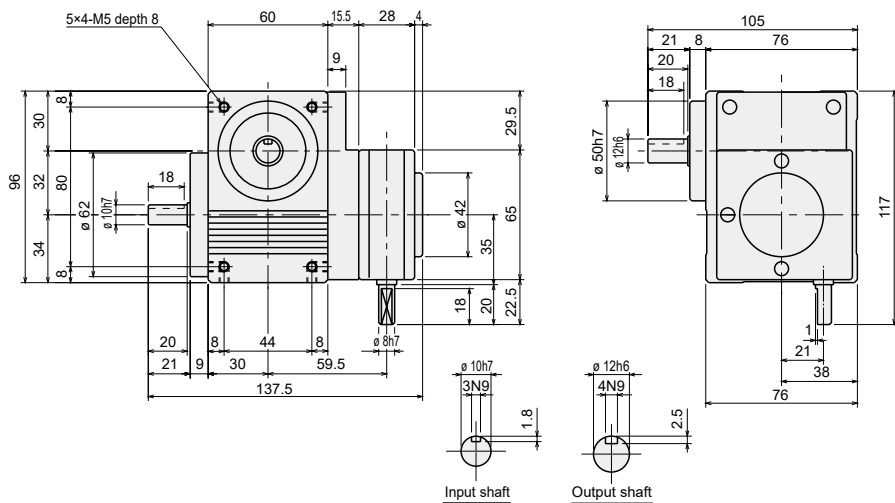
Oscillating series **RGOS 032** Cam curve / MS

Total index angle(θt)	90	120	180	240	300	360
Oscillating angle (ψ)						
180					○	○
120				○	○	○
90			○	○	○	○
60		○	○	○	○	○
45	○	○	○	○	○	○
30			○	○	○	○

● Dimensions with options

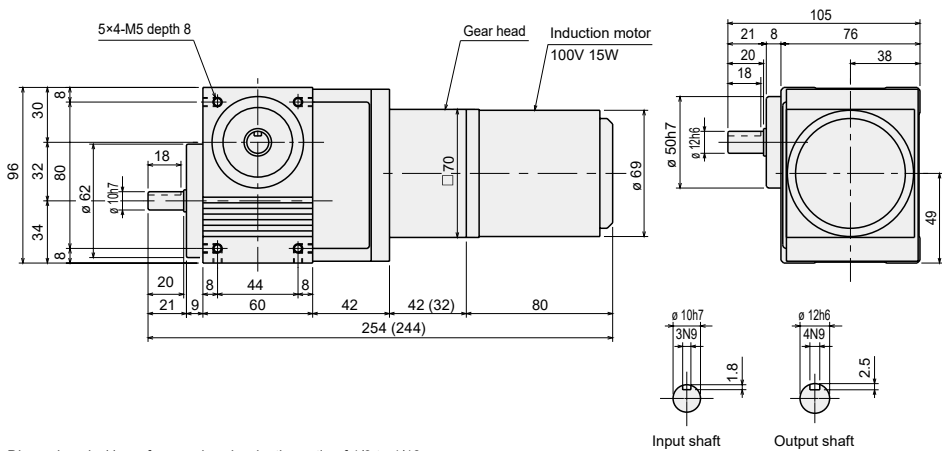
Product specifications

With worm reducer (CRG32)



RG I S 032- ☐ ☐ ☐ ☐ SA-NWN03 ☐ NG
RGOS 032

With Gear head + motor (gear drive)



Dimensions in () are for gear head reduction ratio of 1/3 to 1/18.

RG I S 032- ☐ ☐ ☐ ☐ SA-NGNEBA ☐ G
RGOS 032

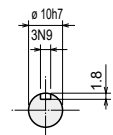
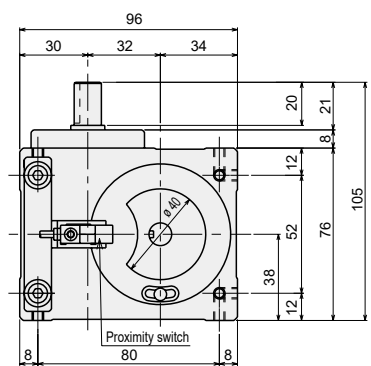
Index	RG I S 032
Oscillator	RGOS 032

● Dimensions with options

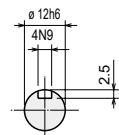
Product specifications

Option	Linear	Circular	Pick and Place drive
Basic	Parallel cam drive	Table	Roller gear cam drive
Wide angle	Table	Standard	Compact

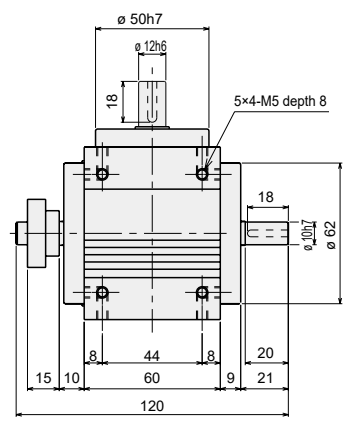
Input shaft - with rotation detection cam + proximity switch



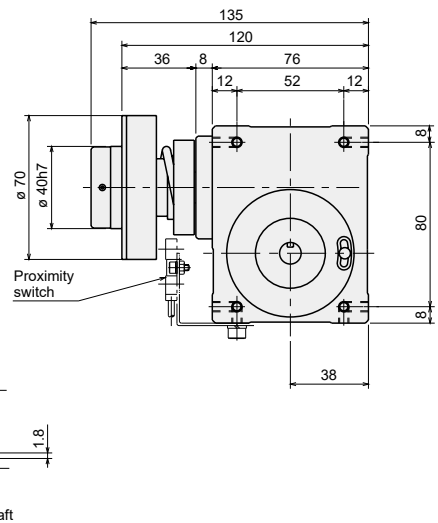
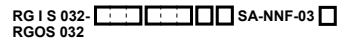
Input shaft



Output shaft



RG I S 032- ☐ ☐ ☐ ☐ SA-JNN
RGOS 032



The adjusting range of release torque is either C or D.

RG I S 032- SA-NNF-04
RGOS 032

Product specifications

Compact

Standard

Table
gear cam

side angle

Basic

am drive

Part	ve
	cular

Option	L
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Difference
between shafts:

32 mm

Flange shaft

Discontinue

Index

RG I S 032

Oscillator

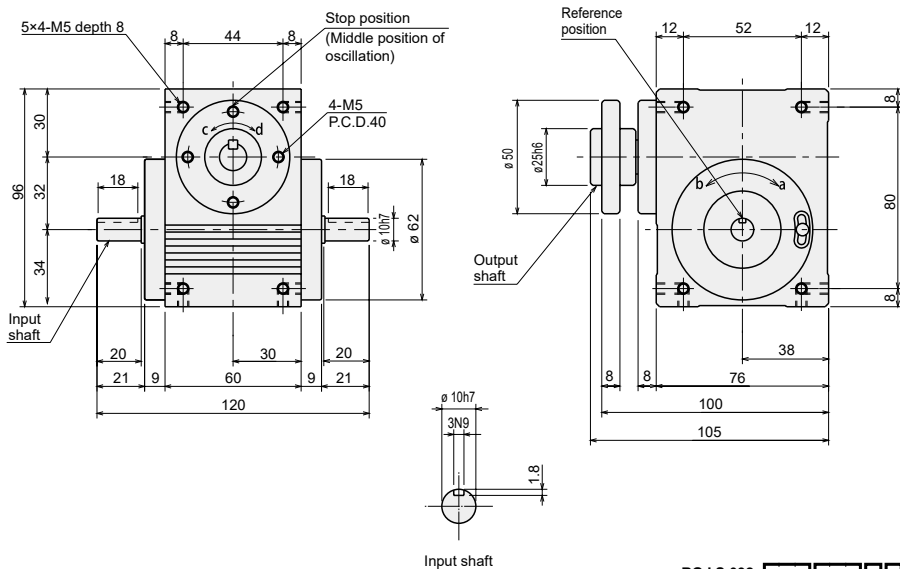
RGOS 032

Compact

● Standard specifications

Product specifications

Dimensions



RG I S 032- ☐ ☐ ☐ ☐ ☐ FA
RGOS 032

Compact

Standard

Table

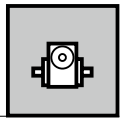
Wide angle

Basic

Parallel cam drive

Linear Circular
Pulse and
Pressure

Option



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	400	220
Allowable radial force	N	400	250
Allowable bending moment	N·m	12	-
Moment of inertia	kg·m ²	3.67×10^{-5}	2.94×10^{-5}

Descriptions	Unit	Characteristics
Internal frictional torque (Tin)	N·m	1.1
Product weight	kg	1.4
Oil level	ℓ	Sealed grease
Body color		Silver
Finishing		Alumite

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±60
	2 dwell	±180
	3 dwell	±240
	4 dwell	±300
Repeatability		30
Oscillating accuracy (sec.)		
Indexing accuracy		±180
Repeatability		30

* For dwell accuracy, please contact us.

List of index angles

Index series **RGIS 032** Cam curve / MS

Total index angle(θt)												
Index number(n)		45	60	90	120	150	180	210	240	270	300	330
1 dwell	2					○	○	○	○	○	○	○
	3				○	○	○	○	○	○	○	○
	4			○	○	○	○	○	○	○	○	○
	5					○	○	○	○	○	○	○
	6		○	○	○	○	○	○	○	○	○	○
	8	○	○	○	○	○	○	○	○	○	○	○
	9			○	○	○	○	○	○	○	○	○
	10			○	○	○	○	○	○	○	○	○
2 dwell	12			○	○	○	○	○	○	○	○	○
	16				○	○	○	○	○	○	○	○
	18				○	○	○	○	○	○	○	○
	20				○	○	○	○	○	○	○	○
3 dwell	24			○	○	○	○	○	○	○	○	○
	24					○	○	○	○	○	○	○
	30					○	○	○	○	○	○	○
4 dwell	36				○	○	○	○	○	○	○	○
	32						○	○	○	○	○	○
	36					○	○	○	○	○	○	○
	40					○	○	○	○	○	○	○
	48				○	○	○	○	○	○	○	○

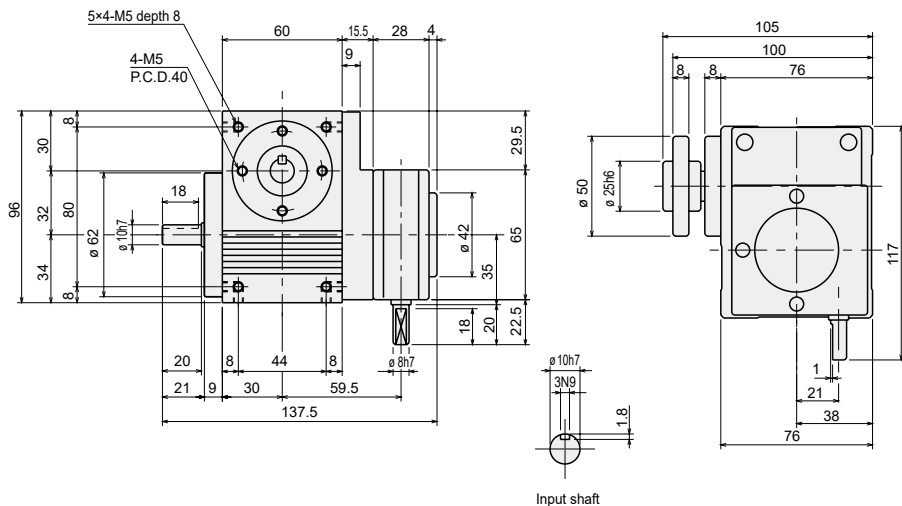
Oscillating series **RGOS 032** Cam curve / MS

Total index angle(θt)	90	120	180	240	300	360
Oscillating angle (ψ)						
180					○	○
120				○	○	○
90			○	○	○	○
60		○	○	○	○	○
45	○	○	○	○	○	○
30			○	○	○	○

● Dimensions with options

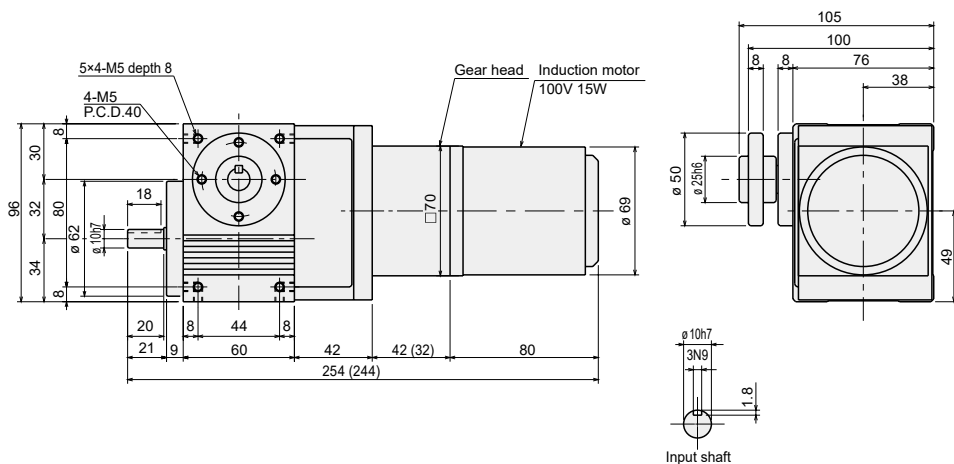
Product specifications

With worm reducer (CRG32)



RG I S 032- ☐ ☐ ☐ ☐ ☐ FA-NWN03 ☐ NG
RGOS 032

With Gear head + motor (gear drive)



Dimensions in () are for gear head reduction ratio of 1/3 to 1/18.

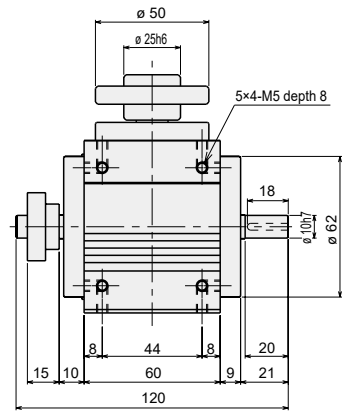
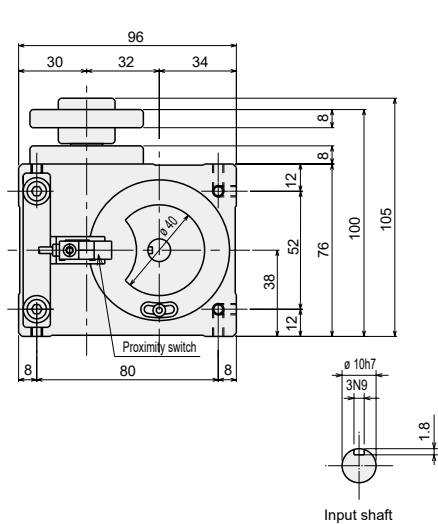
RG I S 032- ☐ ☐ ☐ ☐ ☐ FA-NGNEBA ☐ G
RGOS 032



● Dimensions with options

Product specifications

Input shaft - with rotation detection cam + proximity switch



RG I S 032- FA-JNN
RGOS 032

Compact

Standard

Table

Wide angle

Basic

Parallel cam drive

Linear Circular
Pulse and
Pressure

Option