

Standard

Index	RGIS	040 to 250
Oscillator	RGOS	
Reducer	RGCS	

Common specifications

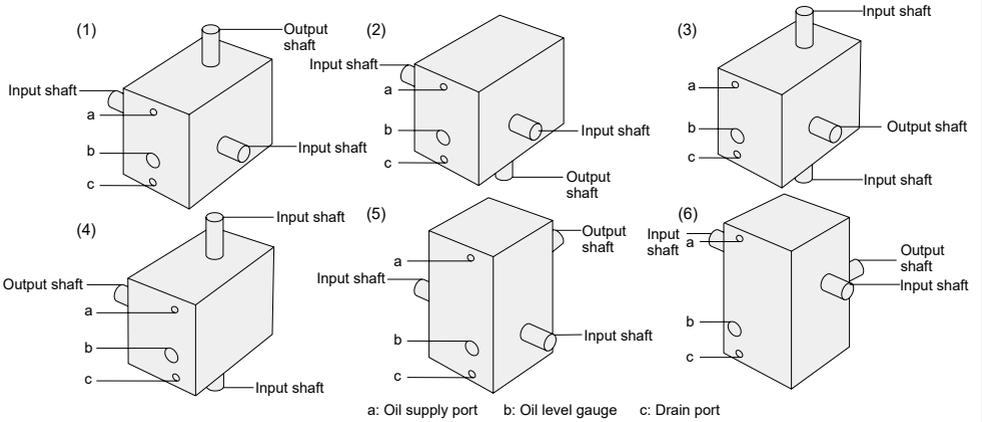
Option Reducer TE Series has been discontinued.



1. Installation position

For the positions of the fill/drain ports and the oil level gauge, refer to the dimensions page for each size.

Depending on the position of the index drive, the oil supply port, the drain port and the oil level gauge are to be located differently. You should choose one of the correct orientations from (1) to (6).



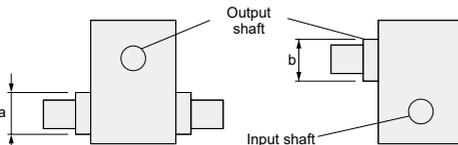
2. Housing mounting holes: mounting holes all machined on the 6 faces of the housing.

3. Material of housing

For those with the difference between the shafts of 40, 50, 63 and 80, either Fc or Al can be chosen.

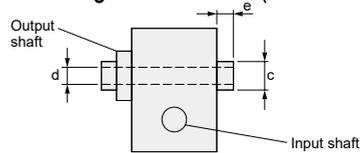
Size	Material
040 to 250	Fc
040 to 080	Al

4. Diameter of the stepped section of the input/output shaft



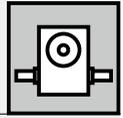
Dimensions	a	b
Size		
040	∅ 15	∅ 20
050	∅ 17	∅ 25
063	∅ 25	∅ 30
080	∅ 28	∅ 32
110	∅ 32	∅ 42
140	∅ 42	∅ 55
180	∅ 55	∅ 70
250	∅ 70	∅ 90

5. Hollow flange shaft model (custom order)



Dimensions	c	d	e
Size			
080	∅ 25	∅ 12	5
110	∅ 30	∅ 16	5
140	∅ 40	∅ 20	5
180	∅ 55	∅ 30	5
250	∅ 80	∅ 45	5

* For the installation position (6), please contact CKD.



6. Output shaft (flange shaft) positioning pin hole dimensions (custom order)

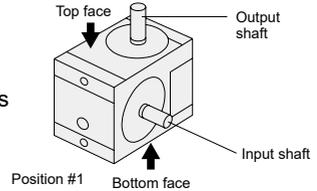
When positioning pin holes are to be added to the output shaft, the dimensions should be as follows:

Size	050	063	080	110	140
Pitch					
Reference hole	∅ 8H7 penetrating Effective length 12	∅ 8H7 penetrating Effective length 12	∅8H7 depth 15 (P.C.D 46)	∅10H7 depth 20 (P.C.D 60)	2-∅13H7 depth 25
Size	180	250			
Pitch					
Reference hole	2-∅16H7 depth 30	2-∅20H7 depth 30			

7. Housing dowel pin hole dimensions (custom order)

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

Note: For aluminum housing, contact CKD.



Size	040	050	063	080	110	140	180	
Top face								
Bottom face								
Standard Hole diameter	2-∅6H7 depth 8	2-∅8H7 depth 10	2-∅8H7 depth 10	2-∅8H7 depth 10	2-∅10H7 depth 10	2-∅13H7 depth 8	2-∅13H7 depth 10	

* For the tolerance of positioning pins on the lower face, contact CKD.

Index	RGIS	040 to 250
Oscillator	RGOS	
Reducer	RGCS	

● Common specifications

8. Optional worm reducer

Standard worm reducers

Main model No.	HO reducer Size	Reduction ratio Value in () represents the special reduction ratio	TE reducer Size	Reduction ratio
RGIS	040	HO 32		
	050	HO 32	TE 35	1/10, 1/20, 1/30 1/40, 1/50, 1/60
	063	HO 40	TE 42	1/10, 1/20, 1/30 1/40, 1/50, 1/60
RGOS	080	HO 50	TE 51	1/10, 1/20, 1/30 1/40, 1/50, 1/60
	110	HO 60	TE 63	1/10, 1/20, 1/30 1/40, 1/50, 1/60
	140	HO 80	TE 80	1/10, 1/20, 1/30 1/40, 1/50, 1/60
RGCS	180	HO100	TE100	1/10, 1/20, 1/30 1/40, 1/50, 1/60
	250	HO135	TE150	1/10, 1/20, 1/30 1/40, 1/50, 1/60

* The above indicates the combinations of standard installations. Check the reducer load torque (Ter) and the reducer rated output torque before use.

9. About the options (motor)

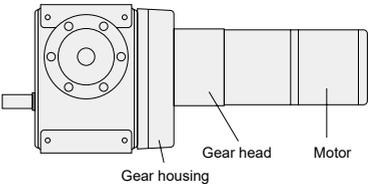
Manufacturers specify the approximate service life for optional components as below. Depending on the operating frequency, a component may reach its service life quickly. Set up the maintenance schedule referring to the following service life.

Service life suggested by the manufacturers of optional components.

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

10. Option/ With Gear head + motor (Made by Oriental Motors)

List of gear head + motor installation

Main model No.	RGIS RGOS RGCS	040	040 050	050 063	063	
Motor specification	Motor output	25W	40W	60W	90W	
	Induction	Single-phase 100 V	○	○	○	○
		Single-phase 200V	○	○	○	○
		3-phase 200 V	○	○	○	○
	Reversible	Single-phase 100 V	○	○	○	○
		Single-phase 200V	○	○	○	○
		Single-phase 100 V	○	○	○	○
	With Electromagnetic brake	Single-phase 200V	○	○	○	○
		3-phase 200 V	○	○	○	○
		Single-phase 100 V	◎	◎	◎	◎
With C/B	Single-phase 200V	○	○	○	○	
	3-phase 200 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 reduction ratio		1/1				
						
* For the belt driving system, contact CKD.						

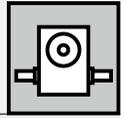
◎... Standard (Given in external dimensions)

○... Semi standard

Note: Electronic brake circuit is required when intermittently driven with an induction motor.

Purchase a brake pack manufactured by Oriental Motor Company separately.

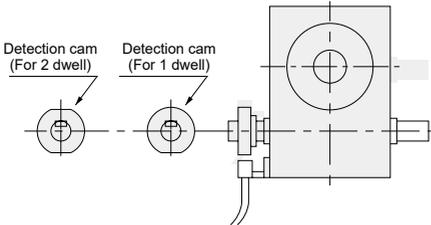
Note: Calculate the motor capacity when you select a unit.



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

Proximity switch model No.

Body Shaft interval	SW model No.	Manufacturer
040 to 110	E2S-Q23	OMRON
140 to 250	E2E-X2E1	



12. Optional torque saver (TSF4 to TSF18) Torque guard (TGX20 to TGX70) + release detection proximity switch

Proximity switch model No.

Torque saver Torque guard	SW model No.	Manufacturer
TSF4	TL-W3MC1	OMRON
TSF5 to TSF18	TL-W5MC1	
TGX20 to TGX70		

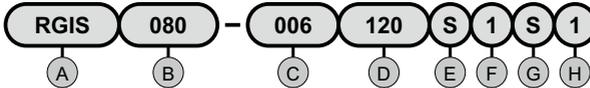
Product specifications

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

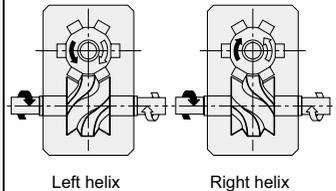
1. Standard model No. Index series

Product specifications



	(A) Model		(B) Shaft interval		(C) Indexing number (n)		(D) Total index angle (θt)		(E) Cam curve		(F) Cam helix direction/dwell No.	
	Compact	RGIS	040	40 mm	002	2	090	90°	S	MS curve (Standard)	1	Left helix/1 dwell
Standard		050	50 mm	003	3	120	120°	C	MC curve (MCV50)	2	Left helix/2 dwell	
		063	63 mm	004	4	150	150°			3	Left helix/3 dwell	
		080	80 mm	005	5	180	180°			4	Left helix/4 dwell	
		110	110 mm	006	6	210	210°					
	Table	Roller gear cam drive	140	140 mm	008	8	240	240°	T	MT curve	5	Right helix/1 dwell
			180	180 mm	009	9	270	270°			6	Right helix/2 dwell
			250	250 mm	010	10	300	300°			7	Right helix/3 dwell
					012	12	330	330°			8	Right helix/4 dwell
					015	15						
					016	16						
				018	18							
				020	20							
				024	24							
				030	30							
Wide angle												
Basic												

Discontinue



Left helix (Standard) Right helix
For details of the timing chart, refer to B-7.

Example of model No. (1)

RGIS063-008270S5F1

Shaft interval63 mm

Index number8

Total index angle270°

Cam curveMS curve

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

Shape of the output shaftFlange

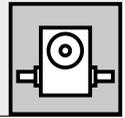
Installation position and the material of housingPosition #1 and Fc housing

Linear Circular
Pillow block Flange drive

Option

Parallel cam drive

Discontinue



Product specifications

Compact
Standard
Roller gear cam drive
Table
Wide angle
Basic

Parallel cam drive

Pick and Place drive
Linear
Circular

Option

G Shape of the output shaft		H Installation position and the material of housing	
S Straight F Flange	* When a torque saver (optional) is installed, the code will be S.	1 Position #1/Fc housing	<p>■ Position #1</p>
		2 Position #2/Fc housing	<p>■ Position #2</p>
		3 Position #3/Fc housing	<p>■ Position #3</p>
		4 Position #4/Fc housing	<p>■ Position #4</p>
		5 Position #5/Fc housing	<p>■ Position #5</p>
		6 Position #6/Fc housing	<p>■ Position #6</p>
		A Position #1/Al housing	
		B Position #2/Al housing	
		C Position #3/Al housing	
		D Position #4/Al housing	
		E Position #5/Al housing	
		F Position #6/Al housing	
		* Fc housing comes as standard. For Aluminum housing specifications, the optional specifications for the shaft interval are between 40 and 80 mm. (Consult the delivery schedule with us.)	

a: Oil supply port b: Oil level gauge c: Drain port

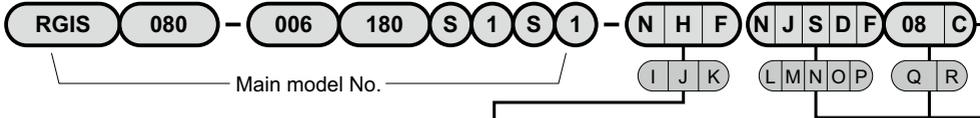
Example of model No. (2)

RGIS110-024090S2S5

Shaft interval 110 mm
 Index number 24
 Total index angle 90° (45° × 2)
 Cam curve MS curve
 Cam helix direction/dwell No. Left helix/2 dwell
 Shape of the output shaft Straight
 Installation position and the material of housing Position #5 and Fc housing

Standard

2-1. Model No. with options Common for index, oscillating, reducer series



Product specifications

Compact
Standard
Table
Wide angle
Basic
Parallel cam drive

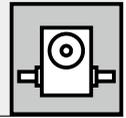
Roller gear cam drive

Circular
Linear
Pillow and
Pillow drive

Option

Input/Output shaft specification code		
I Input shaft specification code (left shaft)	J Input shaft specification code (right shaft)	K Output shaft specification code
<p>N</p> <p>Stepped area</p> <p>Output shaft</p> <p>Left shaft</p> <p>N□□</p> <p>K</p> <p>K□□</p> <p>C</p> <p>C□□</p> <p>J</p> <p>J□□ (Proximity switch)</p> <p>H</p> <p>H□□</p> <p>W</p> <p>W□□ E□□</p> <p>G</p> <p>Gear head + Motor</p> <p>G□□</p>	<p>N</p> <p>Right shaft</p> <p>□N□</p> <p>K</p> <p>□K□</p> <p>C</p> <p>□C□</p> <p>J</p> <p>□J□ (Proximity switch)</p> <p>H</p> <p>□H□</p> <p>W</p> <p>□W□ □E□</p> <p>G</p> <p>□G□</p> <p>Gear head + Motor</p>	<p>N</p> <p>□□N</p> <p>K</p> <p>□□K</p> <p>F</p> <p>•</p> <p>A</p> <p>•</p> <p>X</p> <p>•</p> <p>C</p> <p>•</p> <p>S</p> <p>•</p> <p>B</p> <p>•</p> <p>Y</p> <p>•</p> <p>D</p> <p>Note 3</p> <p>□□S □□Y □□B □□D</p>
<p>N Standard (with keyway)</p> <p>K No keyway</p> <p>C Cutoff * This is cut off at the stepped spot. It will protrude from the housing. Verify the dimensions with the diagram.</p> <p>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.</p> <p>H With the hollow shaft geared motor * Since the specification for the motor is required, determine "Hollow shaft geared motor installation specification code."</p> <p>W With the worm reducer (W: HO reducer, E: TE reducer) * Since the specification for the worm reducer is required, determine "Worm reducer installation specification code."</p> <p>G Gear head + motor * Since the specifications for the gear head and the motor are required, determine "Gear head and motor installation specification code."</p>		<p>N Standard (with keyway)</p> <p>K No keyway (straight shaft)</p> <p>F With Torque saver (TSF)</p> <p>A With Torque saver (TSF) (Output shaft without keyway)</p> <p>X With Torque guard (TGX)</p> <p>C With Torque guard (TGX) (Output shaft without keyway)</p> <p>S With Torque saver (TSF) + proximity switch for release detection</p> <p>B With Torque saver (TSF) + proximity switch for release detection (without keyway on the output shaft)</p> <p>Y With Torque guard (TGX) + proximity switch for release detection</p> <p>D With Torque guard (TGX) + proximity switch for release detection (without keyway on the output shaft)</p> <p>Since the specifications for a torque saver and a torque guard are required when F, A, X, C, S, B, Y, or D is selected, determine "Torque saver/guard installation specification code."</p>

Discontinue



▼ When a torque saver and a torque guard are installed

(Refer to next page)

▼ Installation specification code of the hollow shaft geared motor * Refer to pages D-621 to D-624.

(L) Motor type		(M) Motor output		Application index size	(N) Rated voltage		(O) Reduction ratio		(P) Driving method	
G	Hypoid Gear	G	0.1 kW		050	S	Three-phase 200 V	For the reducer codes, refer to the following table	F	Face Mount
		H	0.2 kW							
		H	0.2 kW	063						
		J	0.4 kW							
		J	0.4 kW	080						
		K	0.75 kW							
		K	0.75 kW	110						
L	1.5 kW									
L	1.5 kW	140								
M	2.2 kW									
T		M	2.2 kW	180						
		N	3.7 kW							
S	Helical Worm gear	P	5.5 kW	250						
		Q	7.5 kW							

(L) G:Nissei T:Tsubaki Emerson S:SEW

▼ Table of the combinations of motor output and reduction ratio

(M) Motor output		(O) Reduction ratio												
G	0.1 kW	Size	A	B	C	D	E	F	G	H	J	K	L	M
		H	0.2 kW	050	—	—	1/20	1/25	1/30	1/40	1/50	1/60		
H	0.2 kW	063	—	—	1/20	1/25	1/30	1/40	1/50	1/60				
J	0.4 kW		1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60				
J	0.4 kW	080	—	—	1/20	1/25	1/30	1/40	1/50	1/60				
K	0.75 kW		1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60				
K	0.75 kW	110	—	—	1/20	1/25	1/30	1/40	1/50	1/60				
L	1.5 kW		1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60				
L	1.5 kW	140	—	—	1/20	1/25	1/30	1/40	1/50	1/60				
M	2.2 kW		1/10	1/15	1/20	1/25	1/30	1/40	1/49.286	1/60				
M	2.2 kW	180	1/20.37	1/23.33	1/26.93	1/29.63	1/34.80	1/36.85	1/41.89	1/46.40				
N	3.7 kW		1/12.07	1/15.28	1/20.99	1/25.07	1/28.41	1/32.38	1/35.94	1/41.07	1/43.33	1/49.38	1/53.87	1/56.92
P	5.5 kW	250	1/19.70	1/25.50	1/31.43	1/34.96	1/39.10	1/44.03	1/47.91	1/57.00				
Q	7.5 kW		1/10.93	1/15.64	1/19.70	1/25.50	1/31.43	1/34.96	1/39.10	1/44.03				

* The above indicates the combinations of standard installations.

Use this after verifying the motor capacity (Pe), the allowable output shaft torque (Trr), the load torque of the geared motor (Ter).

▼ When a worm reducer is installed

(Refer to next page)

▼ When a gear head and a motor are installed

(Refer to next page)

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

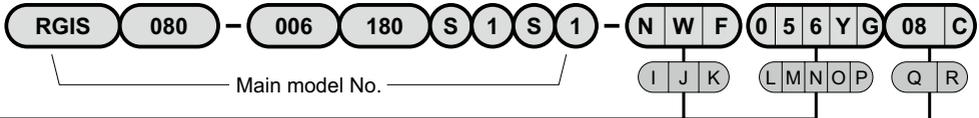
Planetary

Linear

Option

Standard

2-1. Model No. with options Common for index, oscillating, reducer series



▼ When a worm reducer is installed

Worm reducer installation specification code																				
L M N O P																				
L M	N	O	P																	
Reducer size	Reduction ratio	Clutch Brake:	Mounting direction																	
03 HO32, TE35	1 1/10 (TE reducer only)	Y Clutch Brake: Yes	<div style="display: flex; flex-direction: column;"> <div style="margin-bottom: 10px;"> <p>Left shaft installation</p> <table border="1" style="width: 100%; text-align: center;"> <tr><td>A</td><td>B</td><td>C</td><td>D</td></tr> <tr><td>J</td><td>K</td><td>L</td><td>M</td></tr> </table> </div> <p>Right shaft installation</p> <table border="1" style="width: 100%; text-align: center;"> <tr><td>E</td><td>F</td><td>G</td><td>H</td></tr> <tr><td>N</td><td>P</td><td>Q</td><td>R</td></tr> </table> </div>		A	B	C	D	J	K	L	M	E	F	G	H	N	P	Q	R
A	B	C			D															
J	K	L			M															
E	F	G			H															
N	P	Q			R															
04 HO40, TE42	2 1/20	N Clutch Brake: No																		
05 HO50, TE51	3 1/30																			
06 HO60, TE63	4 1/40																			
08 HO80, TE80	5 1/50																			
10 HO100, TE100	6 1/60																			
13 HO135, —	* Those of 1/30 and 1/50 for HO32, HO40 and HO135 have special ratio. Verify the delivery schedule.																			
15 —, TE150																				
* Refer to D-551 to 588.																				

▼ When a gear head and a motor are installed

Gear head + motor installation specification code					
L M N O P					
L	M	N	O	P	
Motor type	Motor output	Rated voltage	Gear head reduction ratio		Driving method
E Induction	C 25 W	A Single-phase	A 1/3	L 1/30	
R Reversible	D 40 W	100 V	B 1/3.6	M 1/36	
B With brake	E 60 W	C Single-phase	C 1/5	N 1/50	
C With C/B	F 90 W	200 V	D 1/6	P 1/60	
		S Three-phase	E 1/7.5	Q 1/75	
		200 V	F 1/9	R 1/90	
			G 1/12.5	S 1/100	
			H 1/15	T 1/120	
			J 1/18	U 1/150	
			K 1/25	V 1/180	
* Refer to List of gear heads and motor installation on D-39.					

* When the reduction ratio is between 1/3 and 1/9, the input shaft rotational speed may reach 200 rpm or higher. Special specification model number is required.

Product specifications

Compact

Standard

Table

Roller gear cam drive

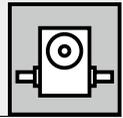
Wide angle

Basic

Parallel cam drive

Circular
Pillow
Block drive

Option



▼ When a torque saver is installed

Ⓚ Ⓡ Torque saver Mounting specification code				Application Index Size
Ⓚ TSF size		Ⓡ Release Torque range		
04	TSF4	A B C D	A B C D	040
05	TSF5			040/050
06	TSF6			050/063
08	TSF8			080
11	TSF11			110
14	TSF14			140
18	TSF18			180

* While a torque saver/guard is installed onto the output shaft and when none of the worm reducer, the gear head & motor and the hollow shaft geared motor can be installed onto the input shaft, insert a hyphen "-" at Ⓚ and continue with the torque saver/guard installation specification code.

Example: RGIS080-006270S1S1-NNF-08D
RGIS110-008180S1S1-NNX-70L

* For a specification of index number n exceeding 12, a suitable release torque may not be configured if a torque saver/guard is installed. Verify this when you select a model.

* When you specify the release (trip) torque of a torque saver/guard, notify CKD of the value. Otherwise, the product will be shipped adjusted at the min. value within the adjusting range.
(Refer to D-589 to 619.)

* The proximity switch for release detection of a torque saver/guard is the NO type. An NC type is also available.

▼ When a torque guard is installed

Ⓚ Ⓡ Torque guard Mounting specification code				Application Index Size
Ⓚ TGX size		Ⓡ Trip Torque range		
20	TGX20	L M H	LC MC HC	040/050
35	TGX35			063
50	TGX50			080
70	TGX70			110

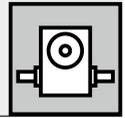
Roller gear cam drive	Compact
	Standard
	Table
Wide angle	Basic
	Parallel cam drive
Pick and Place drive	Linear
	Circular
Option	

Standard

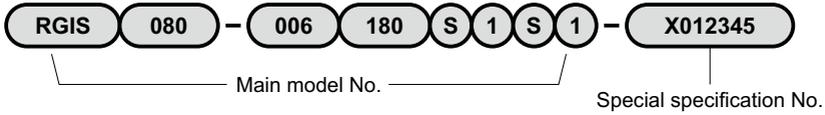
2-2. Examples of model numbers with options / 3. Custom specification model No.

When you place an order with a model number, ensure that it exactly matches what you ordered. Even if 1 letter is incorrectly written, the product will be different with different specifications. In order for us to deliver what you really want, carefully determine the model number referring to the following examples.

Product specifications	Compact	Standard	Table	Roller gear cam drive	<p>Example of model No. (3)</p> <p>RGIS110-016090S1S5-NJN</p> <p>Input shaft specification</p> <p>Left shaft: Standard</p> <p>Right shaft: Input shaft - with rotation detection cam + proximity switch (1 station)</p> <p>Output shaft specification</p> <p>Standard</p>	<p>Example of model No. (4)</p> <p>RGIS180-008270S1S1-WNN104YL</p> <p>Input shaft specification</p> <p>Left shaft: Worm reducer installed</p> <p>Right shaft: Standard</p> <p>Output shaft specification: Standard</p> <p>Worm reducer installation specification</p> <p>Reducer size: HO100</p> <p>Reduction ratio: 1/40</p> <p>Clutch/Brake: Yes</p> <p>Mounting direction: L</p>
					Wide angle	Basic
					Linear	Option
					Circular Pico and Pico Drive	



● Special specification model number Common for index, oscillating, reducer 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 CKD with the specifications.
- * High speed specifications (input shaft rotational speed of 200 rpm or higher) are deemed to be special specifications.



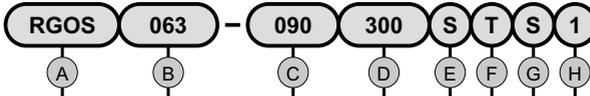
Product specifications

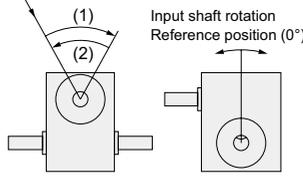
Roller gear cam drive	Compact
	Standard
	Table
Wide angle	Basic
	Parallel cam drive
Option	Pick and Place drive
	Linear Circular

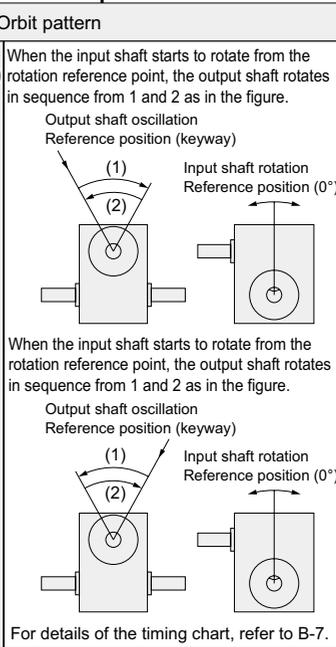
Roller gear cam drive **Discontinue** Standard

1. Standard model No. **Oscillating series**

Product specifications



(A) Model		(B) Shaft interval		(C) Oscillating angle (ψ)		(D) Total index angle (θ t)		(E) Cam curve		(F) Orbit pattern	
RGOS	040	40 mm	120	120°	180	180° (90°×2)	S	MS curve (Standard)	T (Standard)	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) 	
	050	50 mm	090	90°	240	240° (120°×2)	C	MC curve (MCV50)			
	063	63 mm	060	60°	300	300° (150°×2)	T	MT curve			
	080	80 mm	045	45°	360	360° (180°×2)					
	110	110 mm	030	30°							
	140	140 mm									
	180	180 mm									
250	250 mm										

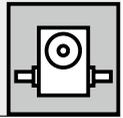


Example of model No. (1)

RGOS110-045180ST1

- Shaft interval 110 mm
- Oscillating angle 45°
- Total index angle 180° (90° × 2)
- Cam curve MS curve
- Orbit pattern T
- Shape of the output shaft Straight
- Installation position and the material of housing Position #1 and Fc housing

Compact
 Standard
 Roller gear cam drive
 Table
 Wide angle
 Basic
 Parallel cam drive
 Linear
 Circular
 Flat drive
 Option



G Shape of the output shaft		H Installation position and the material of housing	
S Straight F Flange	* When a torque saver (optional) is installed, the code will be S.	1 Position #1/Fc housing 2 Position #2/Fc housing 3 Position #3/Fc housing 4 Position #4/Fc housing 5 Position #5/Fc housing 6 Position #6/Fc housing	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>■ Position #1</p> </div> <div style="text-align: center;"> <p>■ Position #2</p> </div> </div>
		A Position #1/Al housing B Position #2/Al housing C Position #3/Al housing D Position #4/Al housing E Position #5/Al housing F Position #6/Al housing	<div style="display: grid; grid-template-columns: 1fr 1fr;"> <div style="text-align: center;"> <p>■ Position #3</p> </div> <div style="text-align: center;"> <p>■ Position #4</p> </div> <div style="text-align: center;"> <p>■ Position #5</p> </div> <div style="text-align: center;"> <p>■ Position #6</p> </div> </div>
		* Fc housing comes as standard. For Aluminum housing specifications, the optional specifications for the shaft interval are between 40 and 80 mm. (Consult the delivery schedule with CKD.)	a: Oil supply port b: Oil level gauge c: Drain port

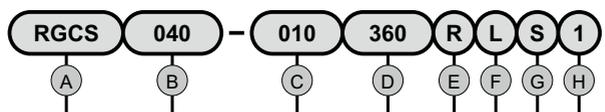
Product specifications

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

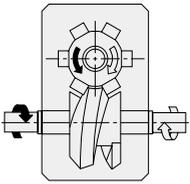
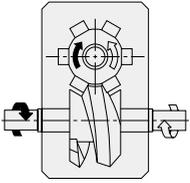
Standard

1. Standard model No. Reducer series

Product specifications



Compact
Standard
Table
Wide angle
Basic
Parallel cam drive
Circular
Planetary
Option

A Model		B Shaft interval		C Reduction ratio (i _d)		D Total index angle (θ _t)		E Cam curve		F Spiral direction of the cam	
RGCS	040	40 mm	003	1/3	360	360°	R	Constant velocity rotation Curve	L	Left helix	 Left helix  Right helix
	050	50 mm	004	1/4							
	063	63 mm	005	1/5							
	080	80 mm	006	1/6							
	110	110 mm	008	1/8							
	140	140 mm	009	1/9							
	180	180 mm	010	1/10							
	250	250 mm	012	1/12							

Example of model No. (1)

RGCS050-005360RRF1

Shaft interval 50 mm

Reduction ratio 1/5

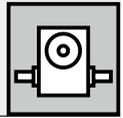
Total index angle 360°

Cam curve Constant velocity rotation curve

Spiral direction of the cam Right helix

Shape of the output shaft Flange

Installation position and the material of housing Position #1 and Fc housing



G Shape of the output shaft		H Installation position and the material of housing	
S F	Straight Flange * When a torque saver (optional) is installed, the code will be S.	1 Position #1/Fc housing 2 Position #2/Fc housing 3 Position #3/Fc housing 4 Position #4/Fc housing 5 Position #5/Fc housing 6 Position #6/Fc housing	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <p>■ Position #1</p> </div> <div style="width: 50%;"> <p>■ Position #2</p> </div> <div style="width: 50%;"> <p>■ Position #3</p> </div> <div style="width: 50%;"> <p>■ Position #4</p> </div> <div style="width: 50%;"> <p>■ Position #5</p> </div> <div style="width: 50%;"> <p>■ Position #6</p> </div> </div>

a: Oil supply port b: Oil level gauge c: Drain port

Product specifications

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

Difference between shafts: **40** mm

Straight shaft

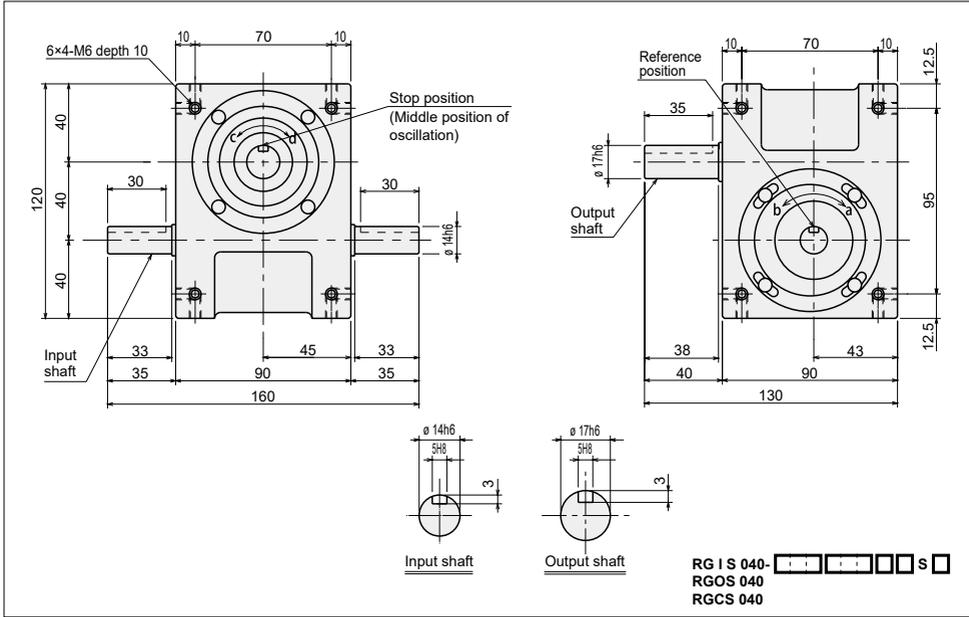
Discontinue

Standard

Index	RG I S 040
Oscillator	RGOS 040
Reducer	RGCS 040

● Standard specifications

Dimensions



RG I S 040-□□□□□□□□ s □
 RGOS 040
 RGCS 040

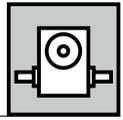
● Oil fill/drain port (Rc 1/4) ○ Oil level gauge

Installation position and oil supply/drain port and oil level gauge positions

Orientations 1 to 4 (ø20)
 Orientations 5 to 6 (ø30)

Installation position	1	2	3
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS
Dimensions			 The dimensions in () are for RGOS.
Installation position	4	5	6
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS
Dimensions	 The dimensions in () are for RGOS.		

Discontinue



Characteristics

Values in parenthesis () represents the aluminum housing data.

Descriptions	Unit	Characteristics		Descriptions	Unit	Characteristics
		Output shaft	Input shaft			
Allowable thrust force	N	1300(800)	800(500)	Internal frictional torque (Tin)	N·m	1.9
Allowable radial force	N	1200(700)	750(450)	Product weight	kg	5(3)
Allowable bending moment	N·m	35(20)	-	Oil level	ℓ	0.1
Moment of inertia	kg·m ²	6.40 × 10 ⁻⁵	4.61 × 10 ⁻⁵	Paint color		Silver

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±60
	2 dwell	±120
	3 dwell	±180
	4 dwell	±240
Repeatability		30

Oscillating accuracy (sec.)	
Indexing accuracy	±120
Repeatability	30

* For dwell accuracy, please contact us.

List of index angles

Index series **RGIS 040** Cam curve / MS

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

Oscillating series **RGOS 040** Cam curve / MS

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

Reducer series **RGCS 040**

Total index angle(θt)		Reduction ratio(id)	
Reduction ratio(id)		360	
1/3		○	
1/4		○	
1/5		○	
1/6		○	
1/8		○	
1/9		○	
1/10		○	
1/12		○	

Product specifications

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

Index	RG I S 040
Oscillator	RGOS 040
Reducer	RGCS 040

● Dimensions with options

Product specifications

Compact

Standard

Table

Wide angle

Basic

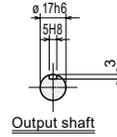
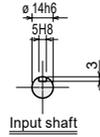
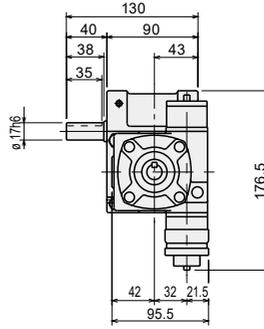
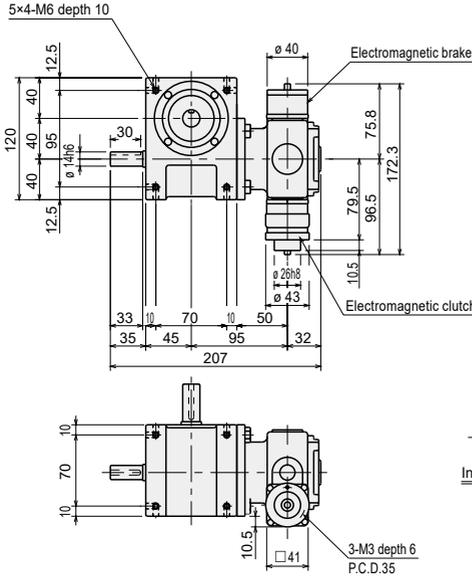
Parallel cam drive

Circular
Face and
Plate drive

Option

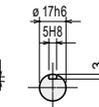
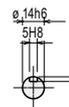
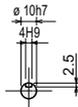
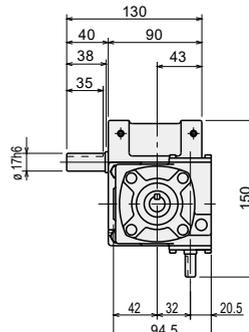
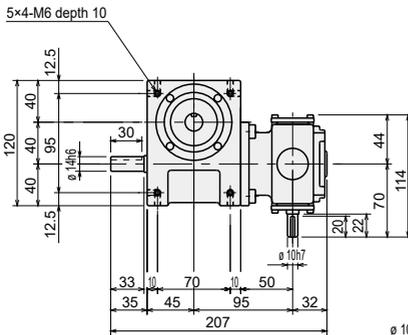
Roller gear cam drive

With worm reducer (with HO32-C/B)



RG I S 040- [] [] [] [] [] [] s [] -NWN03 [] YG
 RGOS 040
 RGCS 040

With worm reducer (without HO32-C/B)

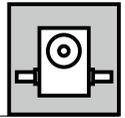


Reducer input shaft

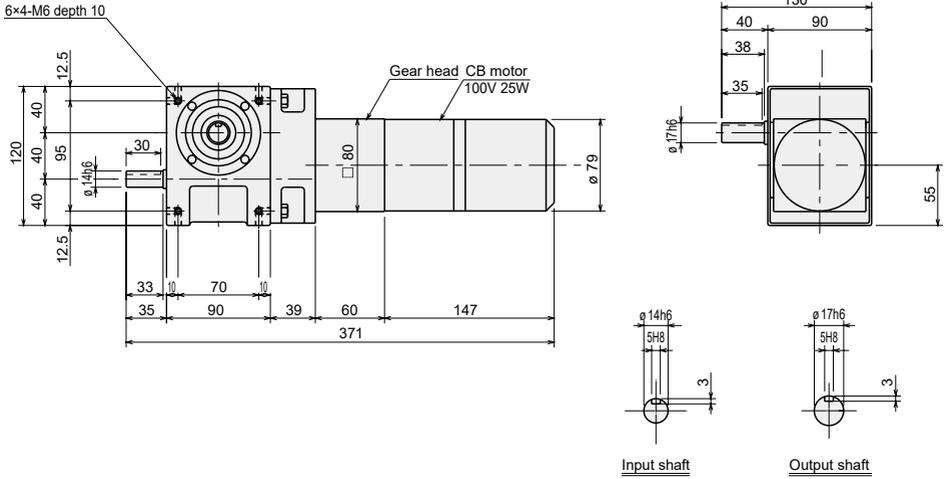
Input shaft

Output shaft

RG I S 040- [] [] [] [] [] [] s [] -NWN03 [] NG
 RGOS 040
 RGCS 040

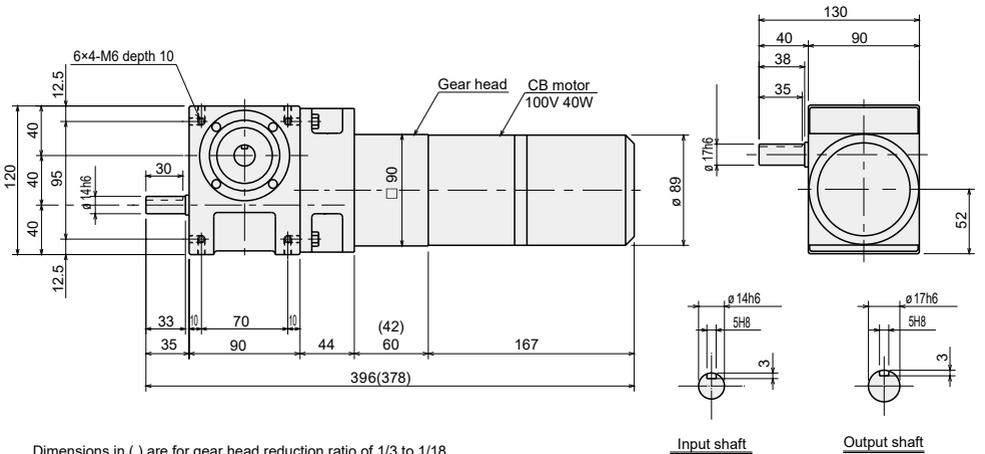


With Gear head + motor (25 W with C/B)



RG I S 040- [] [] [] [] [] S [] -NGNCCA [] G
 RGOS 040
 RGCS 040

With Gear head + motor (40W with C/B)



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

RG I S 040- [] [] [] [] [] S [] -NGNCCA [] G
 RGOS 040
 RGCS 040

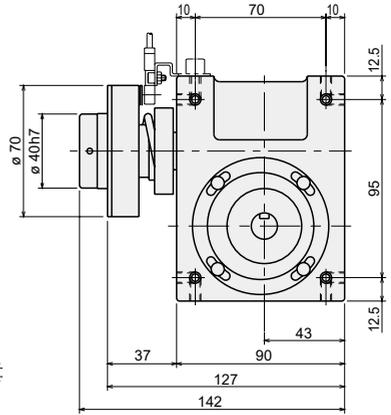
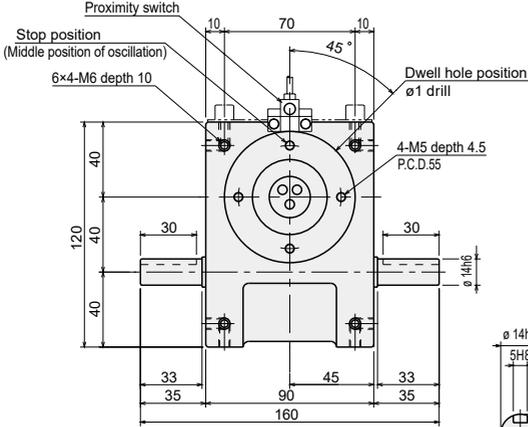
Product specifications

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

Index	RG I S 040
Oscillator	RGOS 040
Reducer	RGCS 040

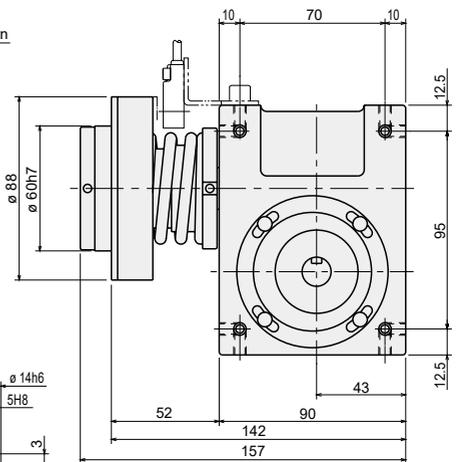
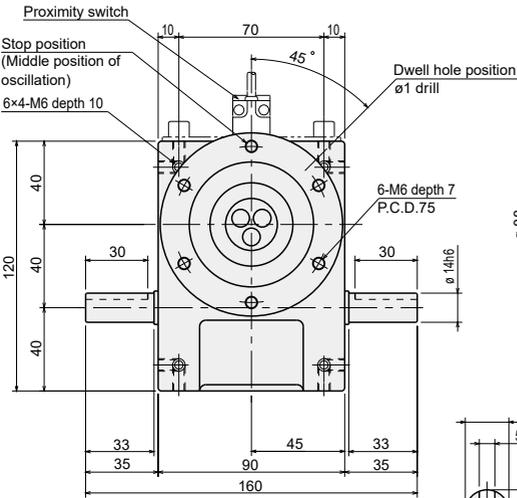
● Dimensions with options

With Torque saver (TSF4)



RG I S 040- [] [] [] [] S [] -NNF-04 []
 RGOS 040
 RGCS 040

With Torque saver (TSF5)



RG I S 040- [] [] [] [] S [] -NNF-05 []
 RGOS 040
 RGCS 040

Product specifications

Compact

Standard

Table

Roller gear cam drive

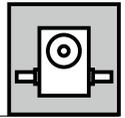
Wide angle

Basic

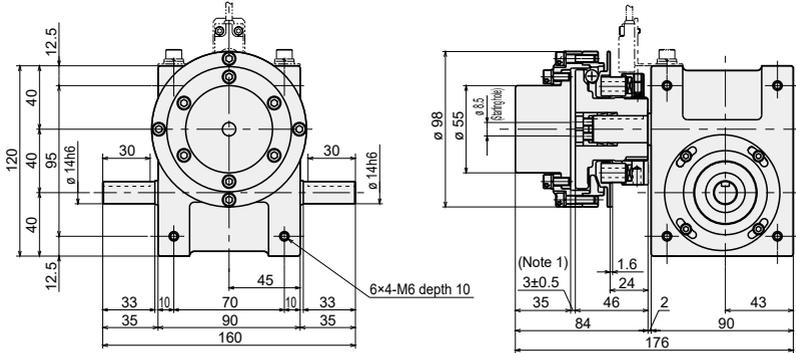
Parallel cam drive

Linear Circular
Pulse and
Phase drive

Option



With Torque guard (TGX20)



Note 1: Attach to the equipment within the dimensions specified.

RG I S 040- [] [] [] [] S [] -NNX-20 []
 RGOS 040
 RGCS 040

Product specifications

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

Difference between shafts: **40** mm

Flange shaft

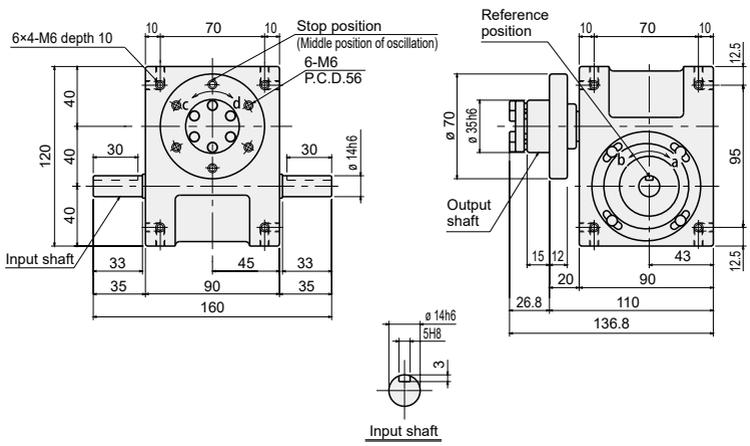
Discontinued

Standard

Index	RG I S 040
Oscillator	RGOS 040
Reducer	RGCS 040

● Standard specifications

Dimensions



RG I S 040-
RGOS 040
RGCS 040

- Oil fill/drain port (Rc 1/4) ○ Oil level gauge
- Orientations 1 to 4(ø20)
- Orientations 5 to 6(ø30)

Installation position and oil supply/drain port and oil level gauge positions

Installation position	1	2	3
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS
Dimensions			 The dimensions in () are for RGOS.
Installation position	4	5	6
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS
Dimensions	 The dimensions in () are for RGOS.		

Product specifications

Compact

Standard

Table

Roller gear cam drive

Wide angle

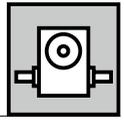
Basic

Parallel cam drive

Linear, Circular, Rack and Pinion drive

Option

Discontinue



Characteristics

Values in parenthesis () represents the aluminum housing data.

Descriptions	Unit	Characteristics		Descriptions	Unit	Characteristics
		Output shaft	Input shaft			
Allowable thrust force	N	1300(800)	800(500)	Internal frictional torque (Tin)	N·m	1.9
Allowable radial force	N	1200(700)	750(450)	Product weight	kg	5(3)
Allowable bending moment	N·m	35(20)	-	Oil level	ℓ	0.1
Moment of inertia	kg·m ²	3.14 × 10 ⁻⁴	4.61 × 10 ⁻⁵	Paint color		Silver

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±60
	2 dwell	±120
	3 dwell	±180
	4 dwell	±240
Repeatability		30

Oscillating accuracy (sec.)	
Indexing accuracy	±120
Repeatability	30

* For dwell accuracy, please contact us.

List of index angles

Index series **RGIS 040** Cam curve / MS

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

Oscillating series **RGOS 040** Cam curve / MS

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

Reducer series **RGCS 040**

Total index angle(θt)	360
Reduction ratio(id)	
1/3	○
1/4	○
1/5	○
1/6	○
1/8	○
1/9	○
1/10	○
1/12	○

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Pick and Place drive
Linear
Circular

Option

Difference between shafts: **40** mm

Flange shaft

Discontinued

Index	RG I S 040
Oscillator	RGOS 040
Reducer	RGCS 040

● Dimensions with options

Product specifications

Compact

Standard

Table

Wide angle

Basic

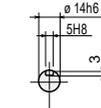
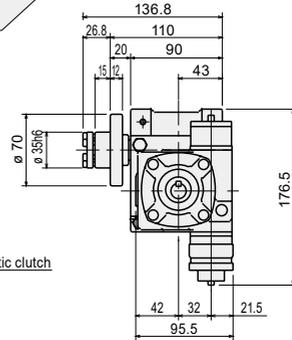
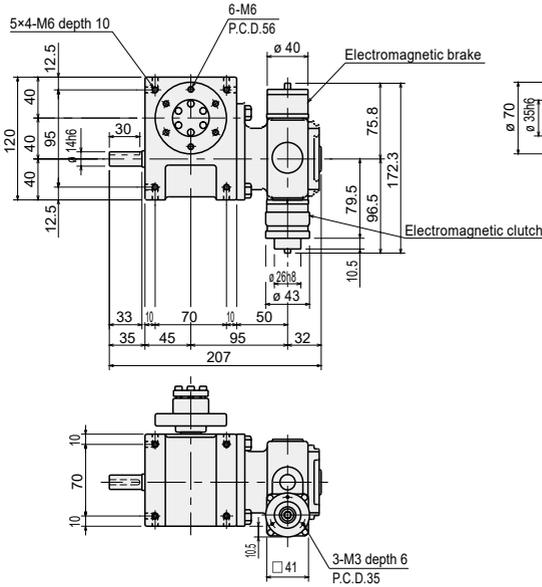
Parallel cam drive

Linear
Circular
Face and
Plate drive

Option

Roller gear cam drive

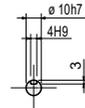
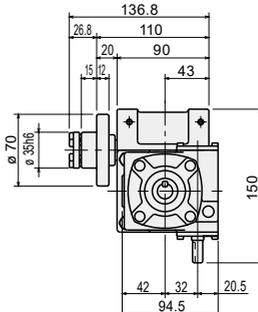
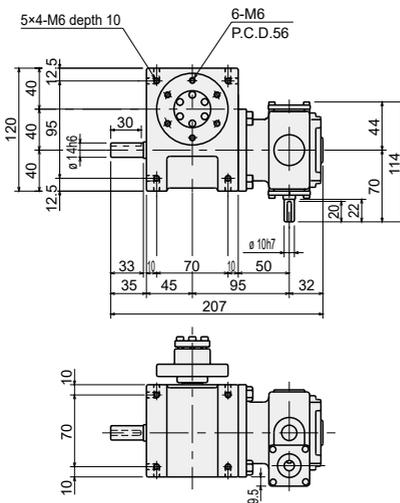
With worm reducer (with HO32-C/B)



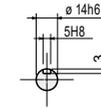
Input shaft

RG I S 040- [] [] [] [] [] F [] -NWN03 [] YG
 RGOS 040
 RGCS 040

With worm reducer (without HO32-C/B)



Reducer input shaft



Input shaft

RG I S 040- [] [] [] [] [] F [] -NWN03 [] NG
 RGOS 040
 RGCS 040

Difference between shafts: **50 mm** Straight shaft

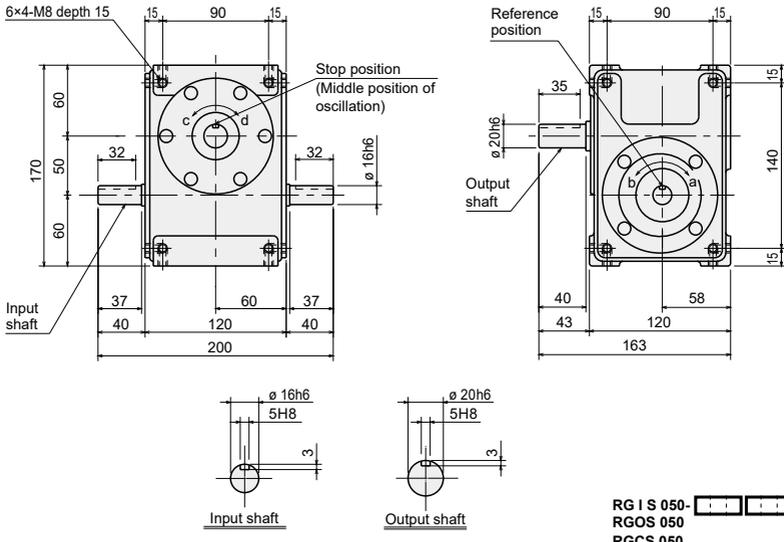
Discontinue

Standard

Index	RG I S 050
Oscillator	RGOS 050
Reducer	RGCS 050

● Standard specifications

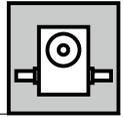
Dimensions



Installation position and oil supply/drain port and oil level gauge positions

Installation position	1	2	3	
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	
Dimensions			 The dimensions in () are for RGOS.	
			<ul style="list-style-type: none"> ● Oil fill/drain port (Rc1/4) ○ Oil level gauge (ø 20) 	
Installation position	4	5	6	
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGCS	RGOS
Dimensions				
	The dimensions in () are for RGOS.			

Discontinue



Characteristics

Values in parenthesis () represents the aluminum housing data.

Descriptions	Unit	Characteristics		Descriptions	Unit	Characteristics
		Output shaft	Input shaft			
Allowable thrust force	N	2200 (1300)	1200 (700)	Internal frictional torque (Tin)	N·m	3.0
Allowable radial force	N	2000 (1200)	900 (550)	Product weight	kg	11 (7.5)
Allowable bending moment	N·m	55(35)	-	Oil level	ℓ	0.5
Moment of inertia	kg·m ²	2.20 × 10 ⁻⁴	2.57 × 10 ⁻⁴	Paint color		Silver

Accuracy

(Index number of ☆)

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±90
	3 dwell	±135
	4 dwell	±180
Repeatability		15

List of index angles

Index series RGIS 050 Cam curve/MS

Total index angle (θt)	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	○	○	○	○	○	○	○	

(Index number other than ☆)

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±60
	2 dwell	±120
	3 dwell	±180
	4 dwell	±240
Repeatability		30

* For the dwell accuracy, please contact CKD.

Reducer series RGCS 050

Total index angle (θt)	360
Reduction ratio (id)	
1/3	○
1/4	○
1/5	○
1/6	○
1/8	○
1/9	○
1/10	○
1/12	○

Oscillating series RGOS 050 Cam curve/MS

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

(Oscillating angle marked with ★)

Oscillating accuracy (sec.)	
Indexing accuracy	±90
Repeatability	15

(Oscillating angle other than ★)

Oscillating accuracy (sec.)	
Indexing accuracy	±120
Repeatability	30

* For the dwell accuracy, please contact CKD.

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Pick and Place drive
Linear
Circular

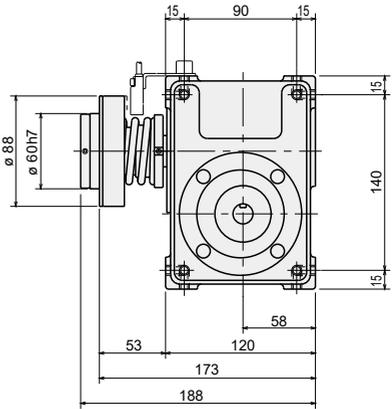
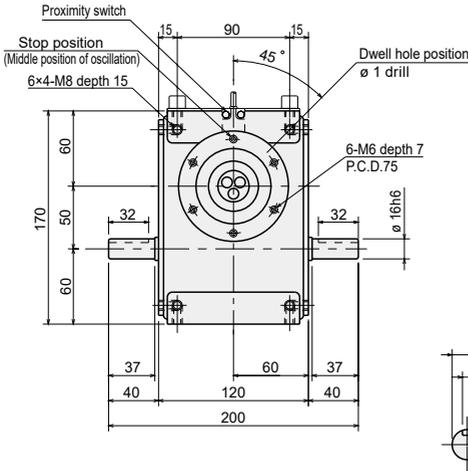
Option

Index	RG I S 050
Oscillator	RGOS 050
Reducer	RGCS 050

● Dimensions with options

Product specifications

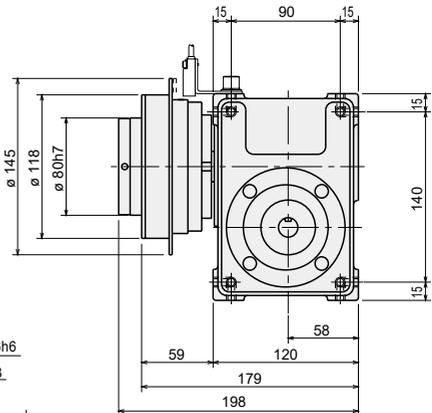
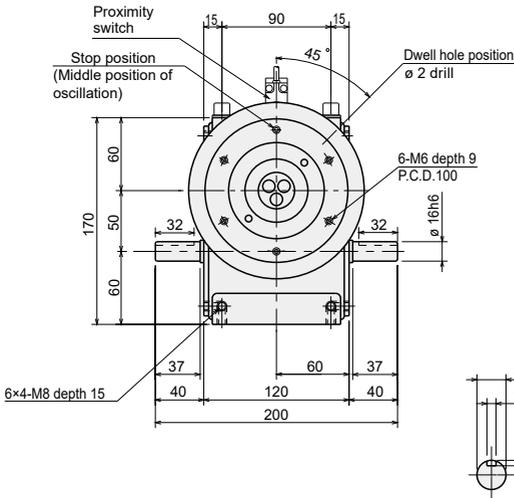
With Torque saver (TSF5)



Input shaft

RG I S 050- S -NNF-05
 RGOS 050
 RGCS 050

With Torque saver (TSF6)



Input shaft

RG I S 050- S -NNF-06
 RGOS 050
 RGCS 050

Compact

Standard

Table

Wide angle

Basic

Parallel cam drive

Linear, Circular, Rack and Pinion drive

Option

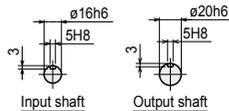
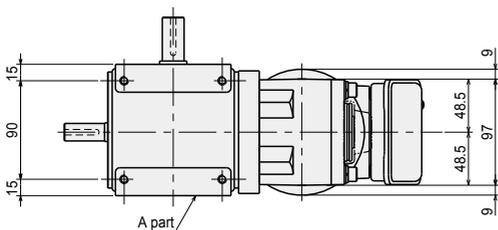
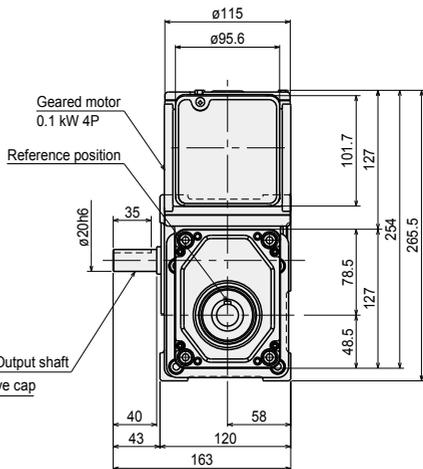
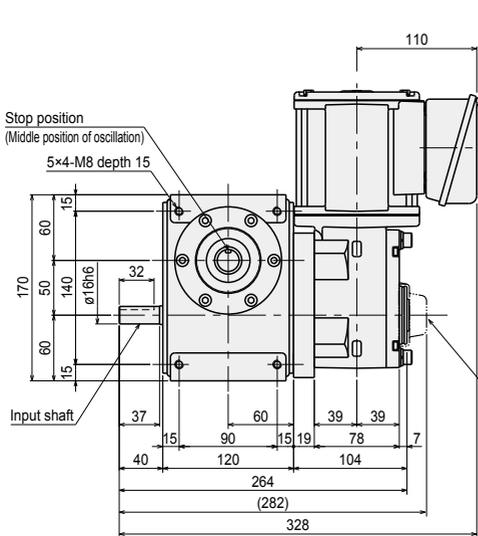
Index	RG I S 050
Oscillator	RGOS 050
Reducer	RGCS 050

● Dimensions with options

With the hollow shaft geared motor (0.1 kW)

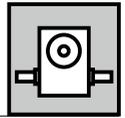
Product specifications

Compact
 Standard
 Table
 Roller gear cam drive
 Wide angle
 Basic
 Parallel cam drive
 Linear
 Circular
 Piece and
 Plate drive
 Option

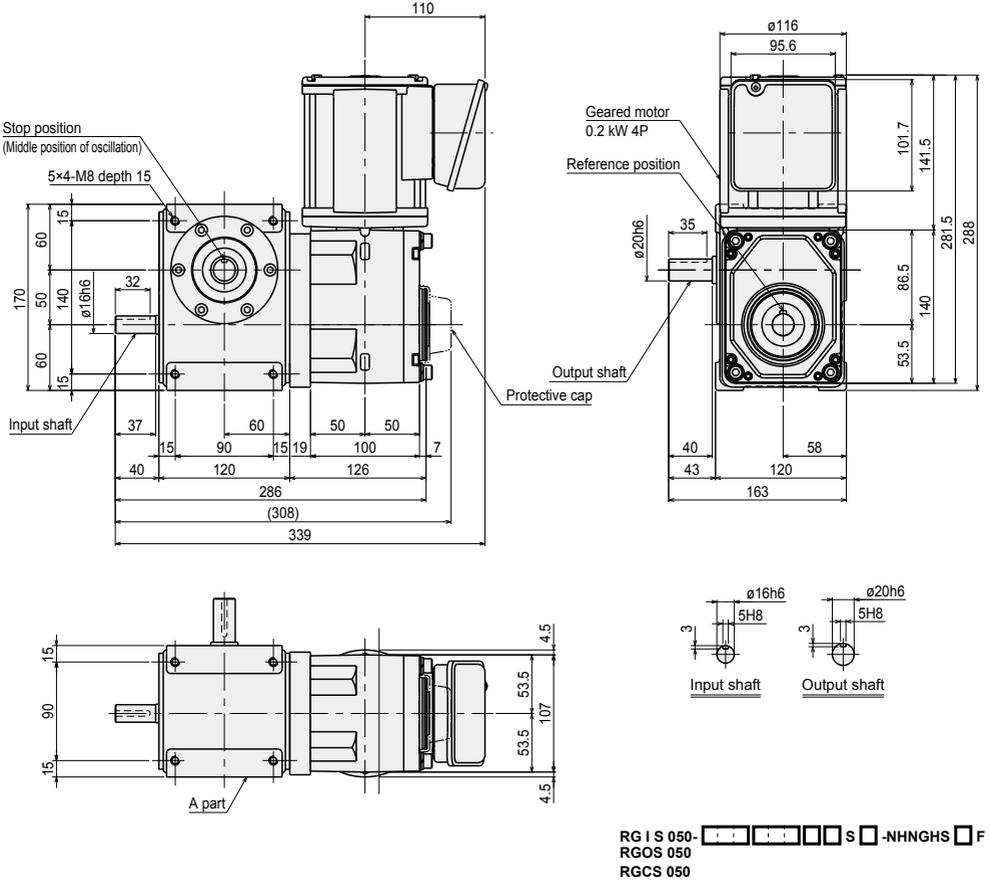


RG I S 050- [] [] [] [] [] [] [] [] [] [] s [] -NHNGGS [] F
 RGOS 050
 RGCS 050

*The motor may protrude from the housing end (A part).



With the hollow shaft geared motor (0.2 kW)



*The motor may protrude from the housing end (A part).

Product specifications

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

Difference between shafts: **50 mm**

Flange shaft

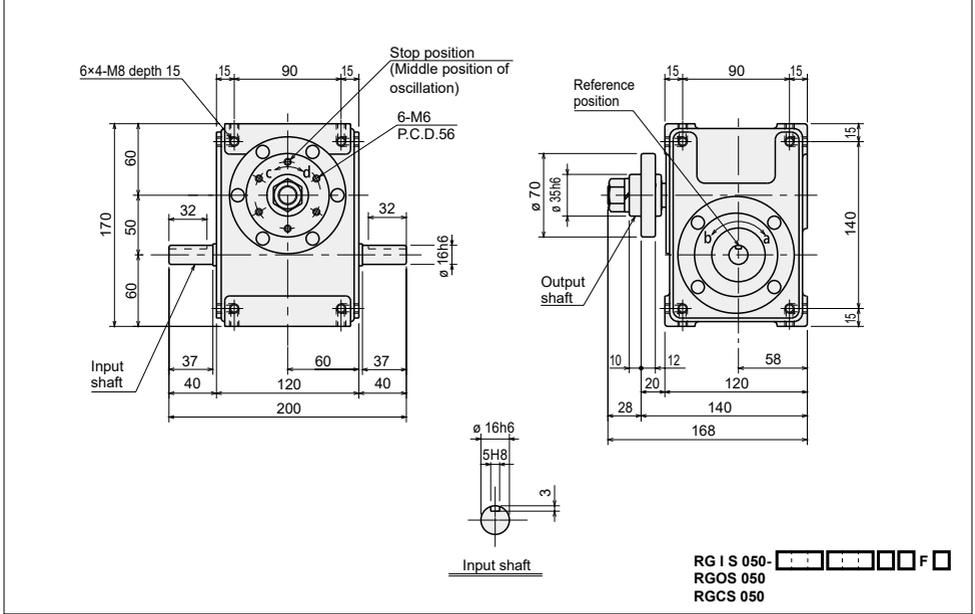
Discontinue

Standard

Index	RG I S 050
Oscillator	RGOS 050
Reducer	RGCS 050

● Standard specifications

Dimensions



RG I S 050- [] [] [] [] [] F []
 RGOS 050
 RGCS 050

Installation position and oil supply/drain port and oil level gauge positions

Installation position	1	2	3
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS
Dimensions			
			The dimensions in () are for RGOS.

- Oil fill/drain port (Rc1/4)
- Oil level gauge (ø 20)

Installation position	4	5	6	
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGCS	RGOS
Dimensions				
	The dimensions in () are for RGOS.			

Product specifications

Compact

Standard

Table

Roller gear cam drive

Wide angle

Basic

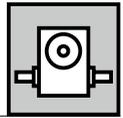
Parallel cam drive

Linear

Circular

Option

Discontinue



Characteristics

Values in parenthesis () represents the aluminum housing data.

Descriptions	Unit	Characteristics		Descriptions	Unit	Characteristics
		Output shaft	Input shaft			
Allowable thrust force	N	2200 (1300)	1200 (700)	Internal frictional torque (Tin)	N·m	3.0
Allowable radial force	N	2000 (1200)	900 (550)	Product weight	kg	11(7.5)
Allowable bending moment	N·m	55(35)	-	Oil level	ℓ	0.5
Moment of inertia	kg·m ²	4.69 × 10 ⁻⁴	2.57 × 10 ⁻⁴	Paint color		Silver

List of index angles

Index series **RGIS 050** Cam curve/MS

Total index angle (θt)		Index number (n)								
		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			○	○	○	○	○	○	○
4 dwell	48		○	○	○	○	○	○	○	○

Oscillating series **RGOS 050** Cam curve/MS (Oscillating angle marked with ★)

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

Oscillating accuracy (sec.)	
Indexing accuracy	±90
Repeatability	15

(Oscillating angle other than ★)

Oscillating accuracy (sec.)	
Indexing accuracy	±120
Repeatability	30

* For the dwell accuracy, please contact CKD.

Accuracy (Index number of ☆)

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±90
	3 dwell	±135
	4 dwell	±180
Repeatability		15

(Index number other than ☆)

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±60
	2 dwell	±120
	3 dwell	±180
	4 dwell	±240
Repeatability		30

* For the dwell accuracy, please contact CKD.

Reducer series **RGCS 050**

Total index angle (θt)	360
Reduction ratio (id)	
1/3	○
1/4	○
1/5	○
1/6	○
1/8	○
1/9	○
1/10	○
1/12	○

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Pick and Place drive
Linear
Circular

Option

Index	RG I S 050
Oscillator	RGOS 050
Reducer	RGCS 050

● Dimensions with options

Product specifications

Compact

Standard

Table

Wide angle

Basic

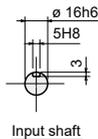
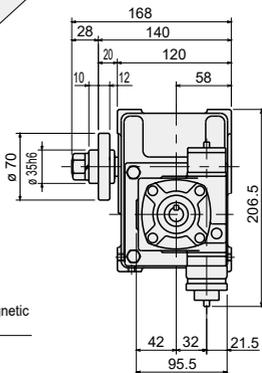
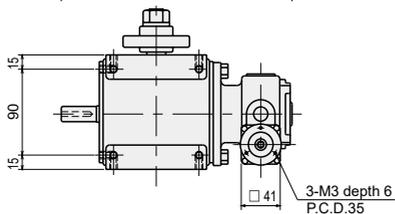
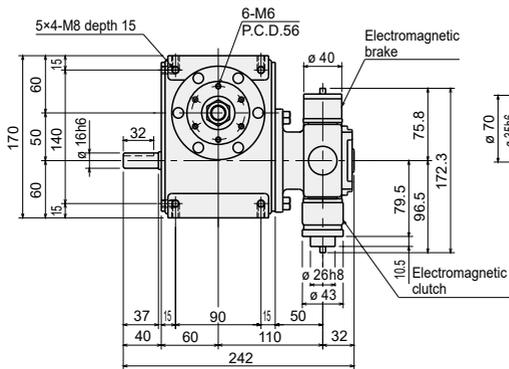
Parallel cam drive

Linear
Circular
Pace and
Place drive

Option

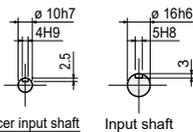
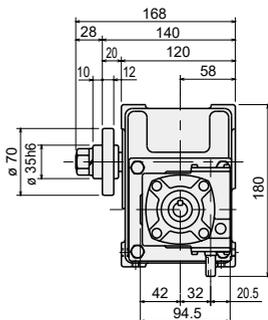
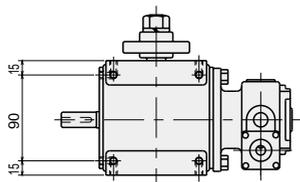
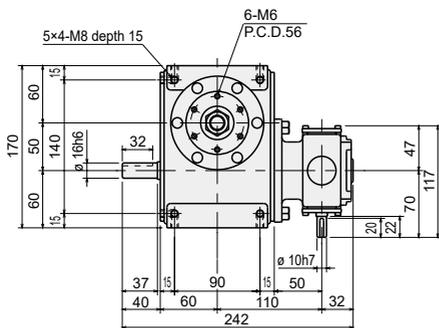
Roller gear cam drive

With worm reducer (with HO32-C/B)



RG I S 050- [] [] [] [] [] F [] -NWN03 [] YG
 RGOS 050
 RGCS 050

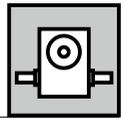
With worm reducer (without HO32-C/B)



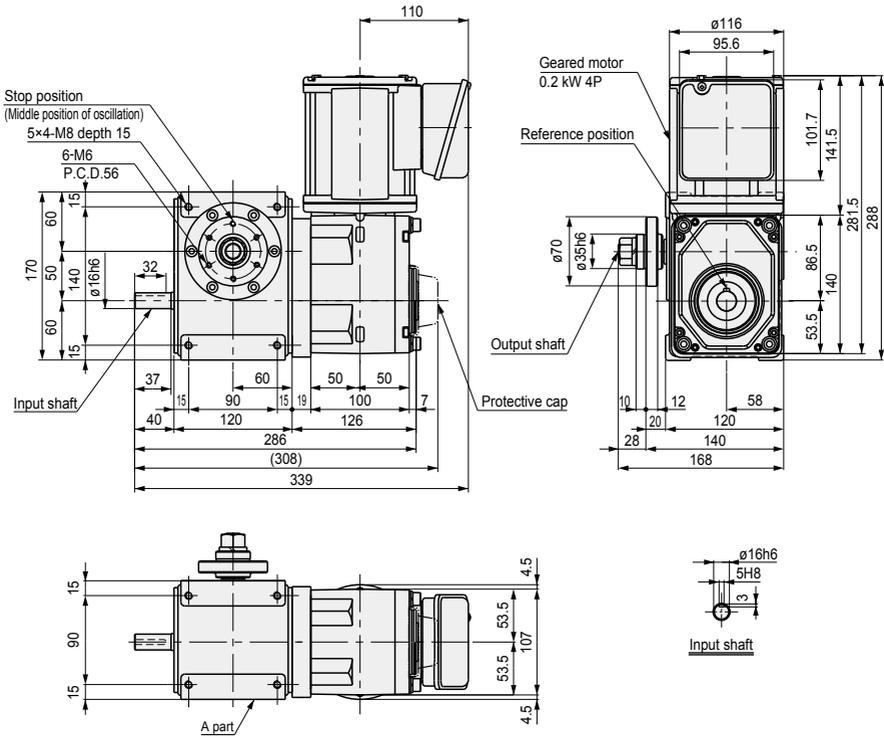
Reducer input shaft

Input shaft

RG I S 050- [] [] [] [] [] F [] -NWN03 [] NG
 RGOS 050
 RGCS 050



With the hollow shaft geared motor (0.2 kW)



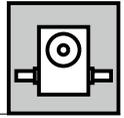
RG I S 050- F -NHNGHS F
 RGCS 050
 RGCS 050

*The motor may protrude from the housing end (A part).

Product specifications

Roller gear cam drive	Table	Standard	Compact
	Wide angle	Basic	Parallel cam drive
Option	Plan and Face drive	Linear	Circular

Discontinue



Characteristics

Values in parenthesis () represents the aluminum housing data.

Descriptions	Unit	Characteristics		Descriptions	Unit	Characteristics
		Output shaft	Input shaft			
Allowable thrust force	N	3000 (1800)	2000 (1200)	Internal frictional torque (Tin)	N·m	4.8
Allowable radial force	N	3000 (1800)	1600 (1000)	Product weight	kg	18 (13)
Allowable bending moment	N·m	110 (65)	-	Oil level	ℓ	0.8
Moment of inertia	kg·m ²	6.99 × 10 ⁻⁴	8.09 × 10 ⁻⁴	Paint color		Silver

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±90
	3 dwell	±135
	4 dwell	±180
Repeatability		15

Oscillating accuracy (sec.)	
Indexing accuracy	±90
Repeatability	15

* For the dwell accuracy, please contact CKD.

List of index angles

Index series **RGIS 063** Cam curve/MS

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

Oscillating series **RGOS 063** Cam curve/MS

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

Reducer series **RGCS 063**

Total index angle (θt)	360
Reduction ratio (id)	
1/3	○
1/4	○
1/5	○
1/6	○
1/8	○
1/9	○
1/10	○
1/12	○

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Pick and Place drive

Linear
Circular

Option

Index	RG I S 063
Oscillator	RGOS 063
Reducer	RGCS 063

● Dimensions with options

Product specifications

Compact

Standard

Table

Wide angle

Basic

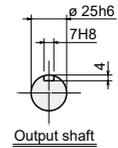
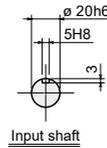
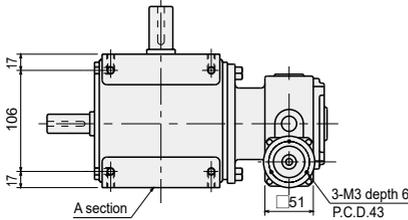
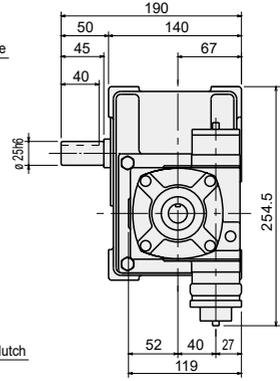
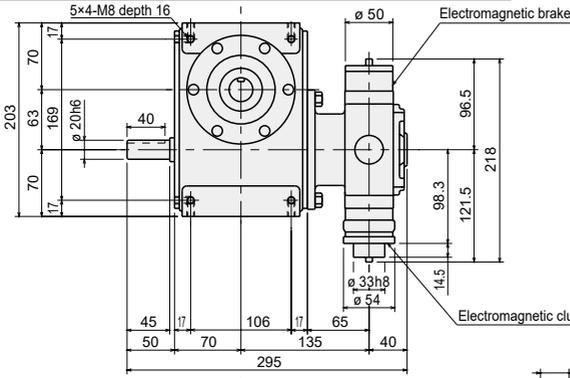
Option

Roller gear cam drive

Parallel cam drive

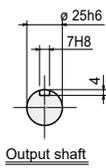
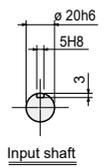
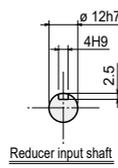
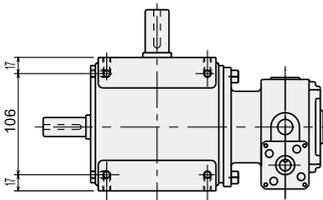
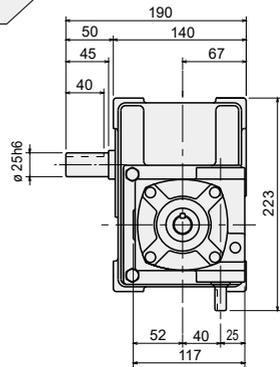
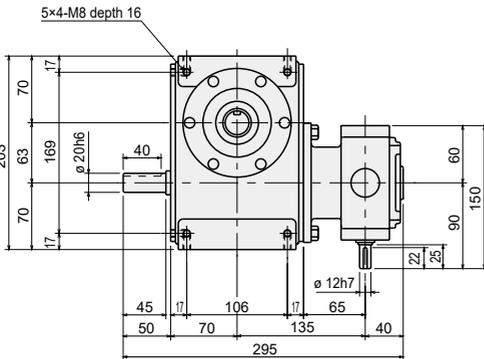
Linear, Rack and Pinion drive

With worm reducer (with HO40-C/B)

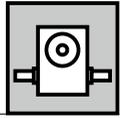


RG I S 063- [] [] [] [] [] [] S [] -NWN04 [] YG
 RGOS 063 * Reducer may protrude from the housing
 RGCS 063 end face (section A).

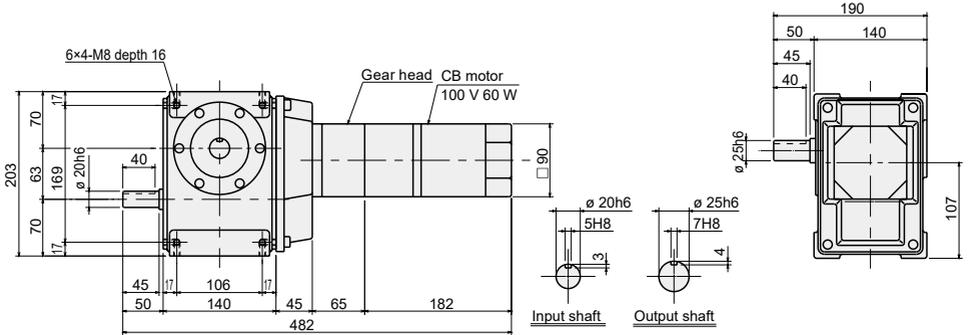
With worm reducer (without HO40-C/B)



RG I S 063- [] [] [] [] [] [] S [] -NWN04 [] NG
 RGOS 063
 RGCS 063

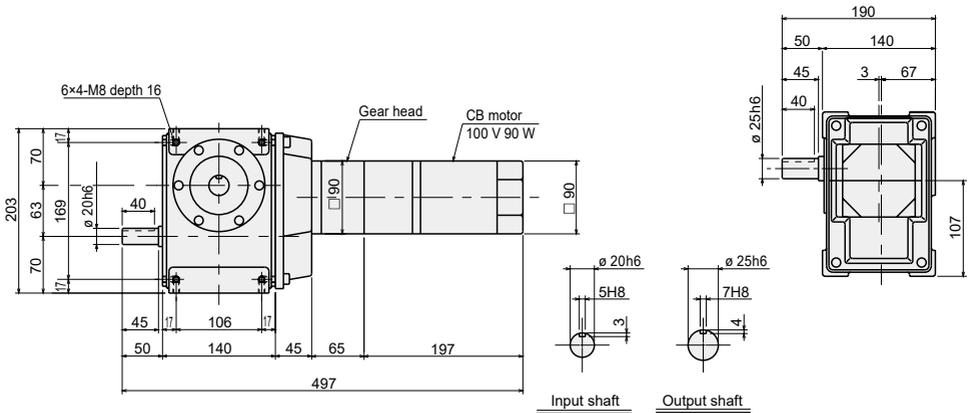


With Gear head + motor (60 W with C/B)



RG I S 063- [] [] [] [] [] [] S [] -NGNCEA [] G
 RGOS 063
 RGCS 063

With Gear head + motor (90 W with C/B)



RG I S 063- [] [] [] [] [] [] S [] -NGNCF A [] G
 RGOS 063
 RGCS 063

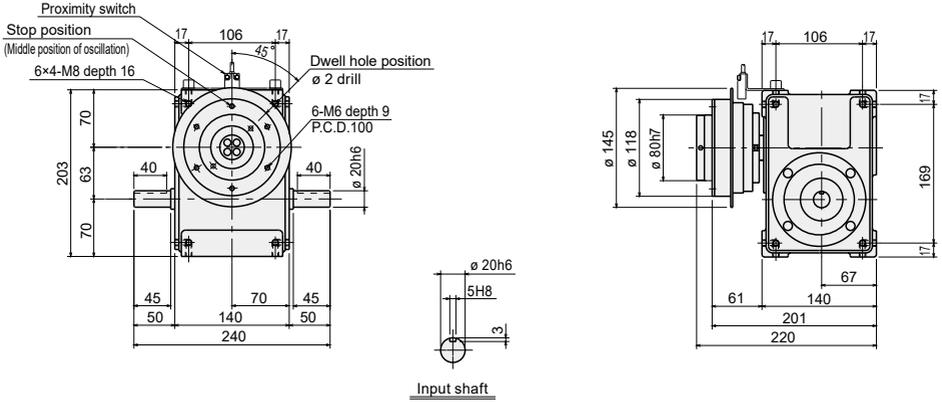
Product specifications

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

Index	RG I S 063
Oscillator	RGOS 063
Reducer	RGCS 063

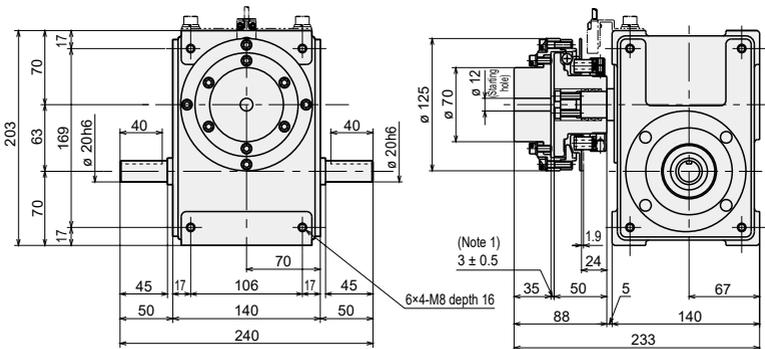
● Dimensions with options

With Torque saver (TSF6)



RG I S 063- S -NNF-06
 RGOS 063
 RGCS 063

With Torque guard (TGX35)



RG I S 063- S -NNX-35
 RGOS 063
 RGCS 063

Note 1: Attach to the equipment within the dimensions specified.

Product specifications

Compact

Standard

Table

Roller gear cam drive

Wide angle

Basic

Parallel cam drive

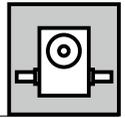
Linear

Circular

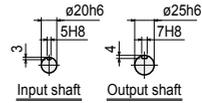
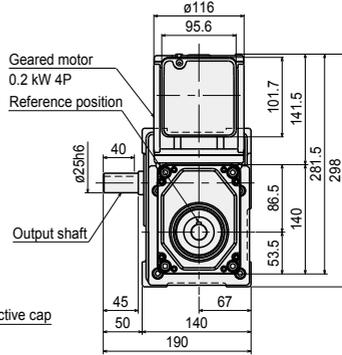
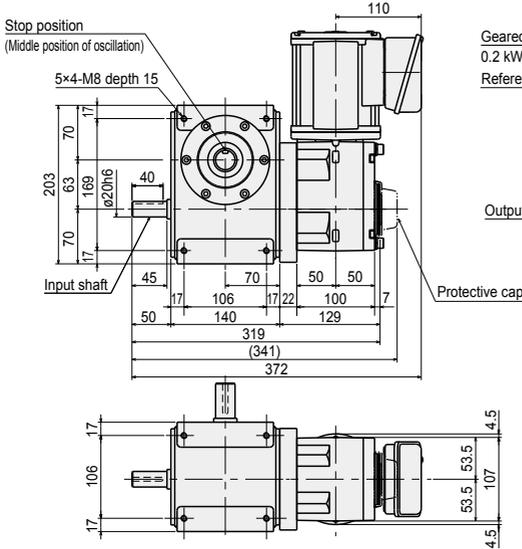
Pie and

Plate drive

Option

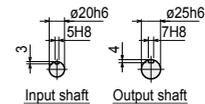
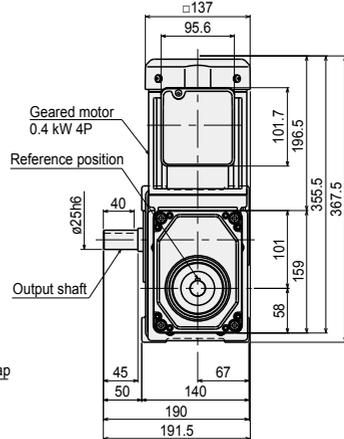
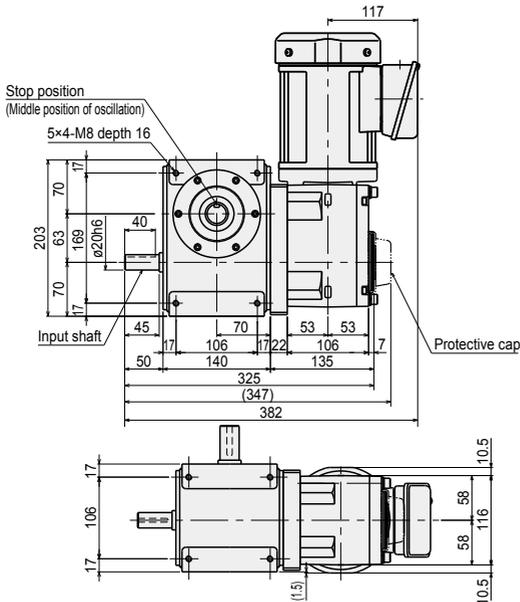


With the hollow shaft geared motor (0.2 kW)



RG I S 063: S -NHNGHS F
 RGOS 063
 RGCS 063

With the hollow shaft geared motor (0.4 kW)



RG I S 063: S -NHNGJS F
 RGOS 063
 RGCS 063

Product specifications

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

Difference between shafts: **63 mm** Flange shaft

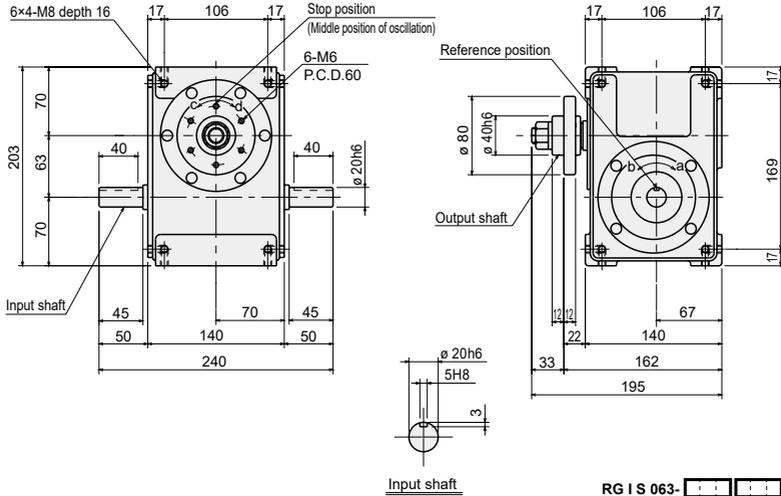
Discontinue

Standard

Index	RG I S 063
Oscillator	RGOS 063
Reducer	RGCS 063

● Standard specifications

Dimensions



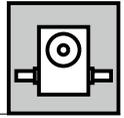
RG I S 063- F

RGOS 063
RGCS 063

Installation position and oil supply/drain port and oil level gauge positions

Installation position	1	2	3
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS
Dimensions			 The dimensions in () are for RGOS.
			<ul style="list-style-type: none"> ● Oil fill/drain port (Rc¹/₄) ○ Oil level gauge (∅ 20)
Installation position	4	5	6
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGCS
Dimensions	 The dimensions in () are for RGOS.		

Discontinue



Characteristics

Values in parenthesis () represents the aluminum housing data.

Descriptions	Unit	Characteristics		Descriptions	Unit	Characteristics
		Output shaft	Input shaft			
Allowable thrust force	N	3000 (1800)	2000 (1200)	Internal frictional torque (Tin)	N·m	4.8
Allowable radial force	N	3000 (1800)	1600 (1000)	Product weight	kg	18 (13)
Allowable bending moment	N·m	110 (65)	-	Oil level	ℓ	0.8
Moment of inertia	kg·m ²	1.12 × 10 ⁻³	8.09 × 10 ⁻⁴	Paint color		Silver

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±90
	3 dwell	±135
	4 dwell	±180
Repeatability		15

Oscillating accuracy (sec.)	
Indexing accuracy	±90
Repeatability	15

* For the dwell accuracy, please contact CKD.

List of index angles

Index series **RGIS 063** Cam curve/MS

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

Oscillating series **RGOS 063** Cam curve/MS

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

Reducer series **RGCS 063**

Total index angle (θt)	360
Reduction ratio (id)	
1/3	○
1/4	○
1/5	○
1/6	○
1/8	○
1/9	○
1/10	○
1/12	○

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Pick and Place drive
Linear
Circular

Option

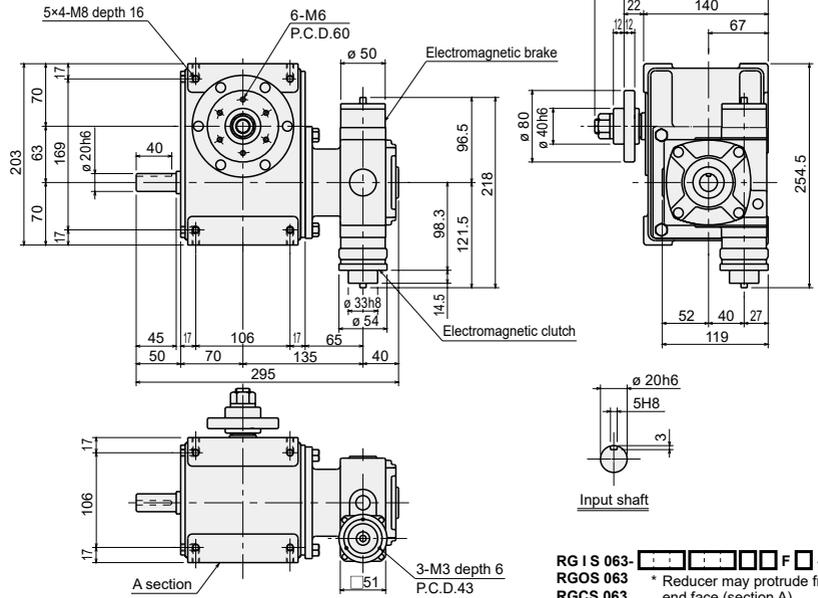
Index	RG I S 063
Oscillator	RGOS 063
Reducer	RGCS 063

● Dimensions with options

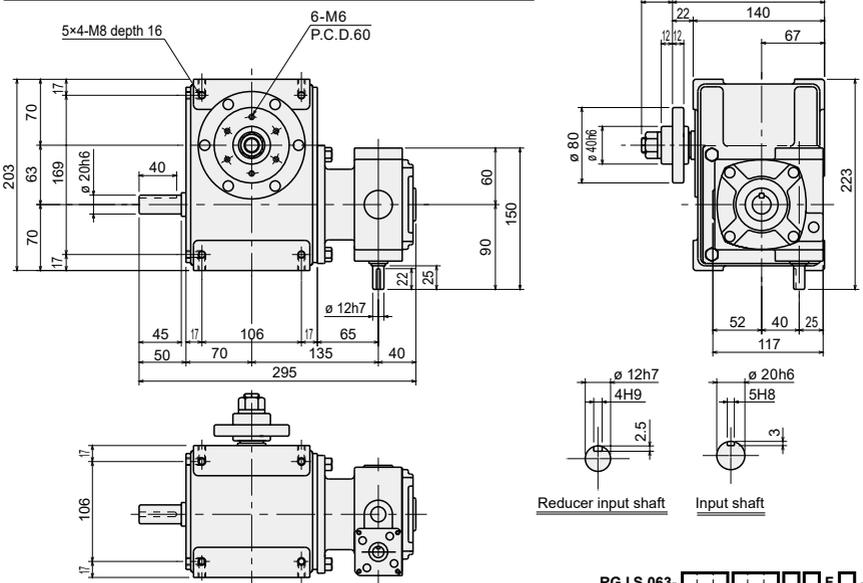
Product specifications

Compact
Standard
Table
Wide angle
Basic
Parallel cam drive
Linear, Circular, Face and Planar drive
Option

With worm reducer (with HO40-C/B)

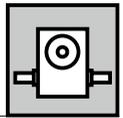


With worm reducer (without HO40-C/B)

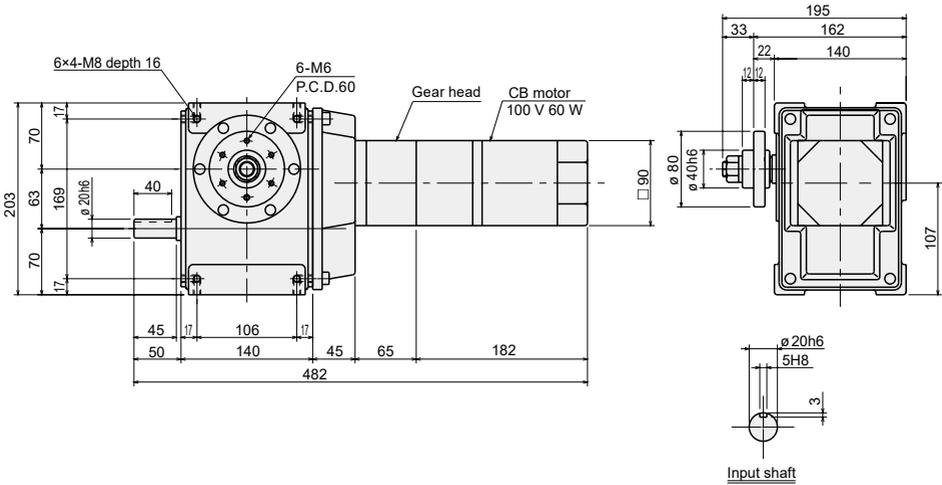


RG I S 063- [] [] [] [] [] F [] -NWN04 [] YG
 RGOS 063
 RGCS 063 * Reducer may protrude from the housing end face (section A).

RG I S 063- [] [] [] [] [] F [] -NWN04 [] NG
 RGOS 063
 RGCS 063

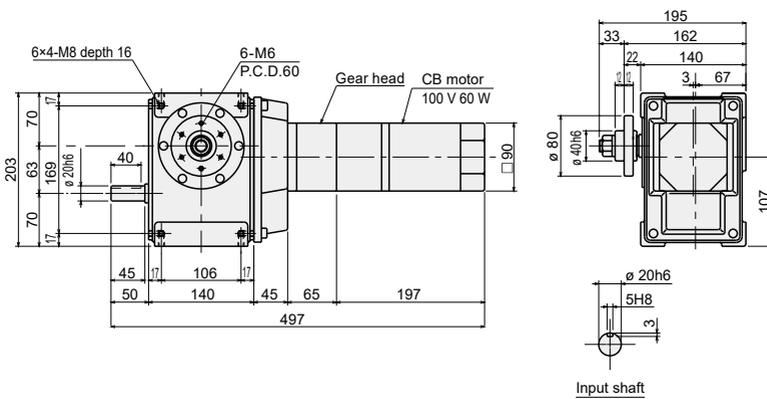


With Gear head + motor (60 W with C/B)



RG I S 063- [] [] [] [] [] F [] -NGNCEA [] G
 RGOS 063
 RGCS 063

With Gear head + motor (90 W with C/B)

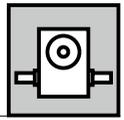


RG I S 063- [] [] [] [] [] F [] -NGNCF A [] G
 RGOS 063
 RGCS 063

Product specifications

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

Discontinue



Characteristics

Values in parenthesis () represents the aluminum housing data.

Descriptions	Unit	Characteristics		Descriptions	Unit	Characteristics
		Output shaft	Input shaft			
Allowable thrust force	N	3500 (2100)	2500 (1500)	Internal frictional torque (Tin)	N·m	7.8
Allowable radial force	N	4200 (2500)	2700 (1600)	Product weight	kg	32 (23)
Allowable bending moment	N·m	150 (90)	-	Oil level	ℓ	1.2
Moment of inertia	kg·m ²	1.95 × 10 ⁻³	3.14 × 10 ⁻³	Paint color		Silver

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±60
	3 dwell	±90
	4 dwell	±120
Repeatability		15

Oscillating accuracy (sec.)	
Indexing accuracy	±60
Repeatability	15

* For the dwell accuracy, please contact CKD.

List of index angles

Index series **RGIS 080** Cam curve/MS

Total index angle (θt)		90	120	150	180	210	240	270	300	330
Index number (n)										
1 dwell	2							○	○	○
	3				○	○	○	○	○	○
	4			○	○	○	○	○	○	○
	5		○	○	○	○	○	○	○	○
	6	○	○	○	○	○	○	○	○	○
	8	○	○	○	○	○	○	○	○	○
	9	○	○	○	○	○	○	○	○	○
	10	○	○	○	○	○	○	○	○	○
	12	○	○	○	○	○	○	○	○	○
2 dwell	15	○	○	○	○	○	○	○	○	○
	16	○	○	○	○	○	○	○	○	○
	16									
	18		○	○	○	○	○	○	○	○
	20	○	○	○	○	○	○	○	○	○
3 dwell	24	○	○	○	○	○	○	○	○	○
	30	○	○	○	○	○	○	○	○	○
	36	○	○	○	○	○	○	○	○	○
	48	○	○	○	○	○	○	○	○	○
4 dwell	32				○	○	○	○	○	○
	36			○	○	○	○	○	○	○
	40			○	○	○	○	○	○	○
	48		○	○	○	○	○	○	○	○

Oscillating series **RGOS 080** Cam curve/MS

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

Reducer series **RGCS 080**

Total index angle (θt)	360
Reduction ratio (id)	
1/3	○
1/4	○
1/5	○
1/6	○
1/8	○
1/9	○
1/10	○
1/12	○

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Option

Pick and Place drive

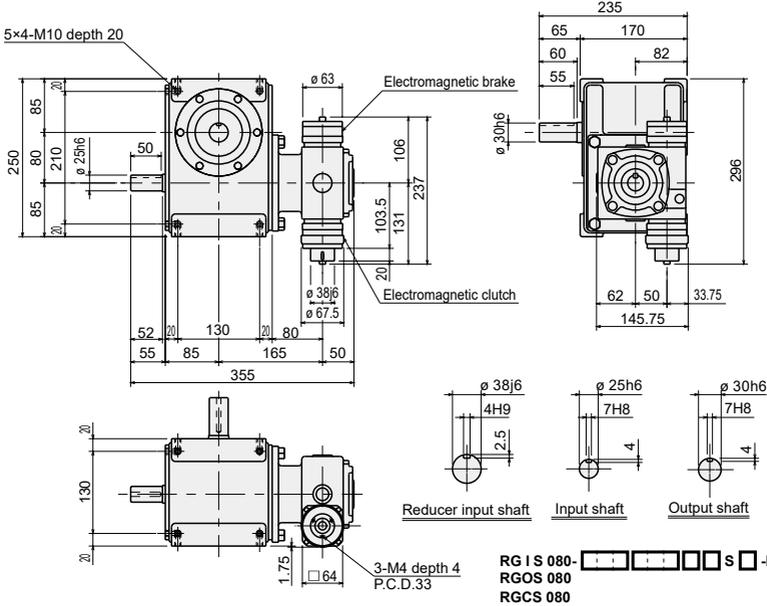
Linear

Circular

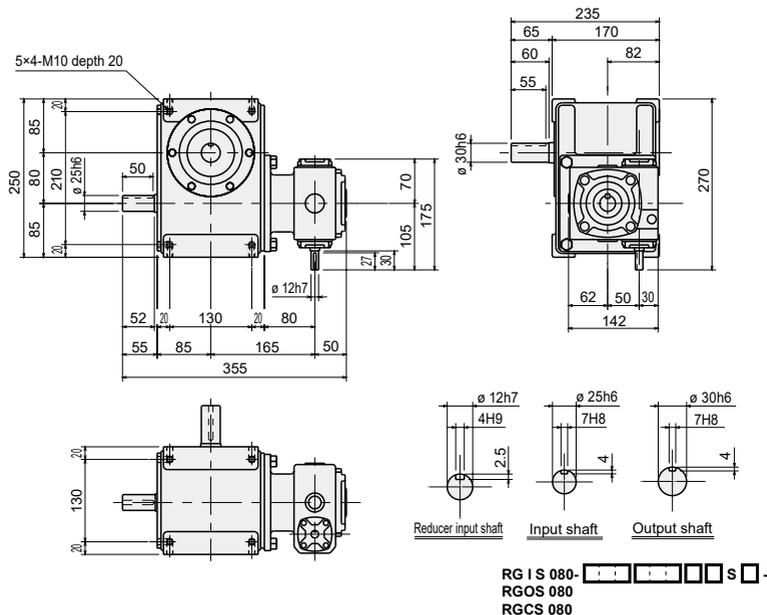
Index	RG I S 080
Oscillator	RGOS 080
Reducer	RGCS 080

● Dimensions with options

With worm reducer (with HO50-C/B)



With worm reducer (without HO50-C/B)



Product specifications

Compact

Standard

Table

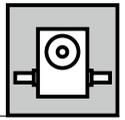
Wide angle

Basic

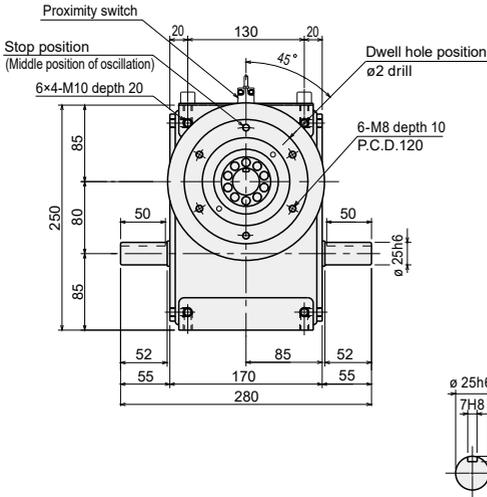
Parallel cam drive

Circular
Face and
Plane drive

Option



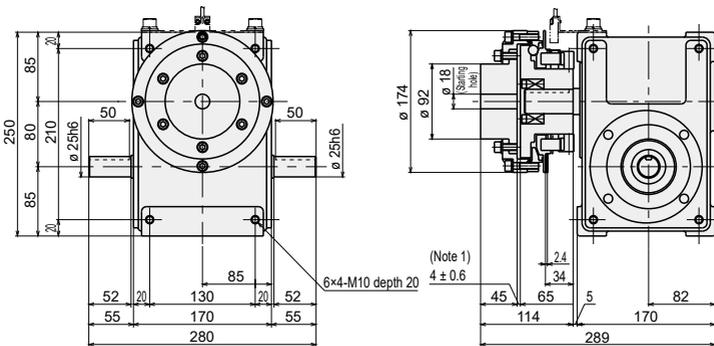
With Torque saver (TSF8)



Input shaft

RG I S 080- [] [] [] [] S [] -NMF-08 []
 RGOS 080
 RGCS 080

With Torque guard (TGX50)



RG I S 080- [] [] [] [] S [] -NNX-50 []
 RGOS 080
 RGCS 080

Note 1: Attach to the equipment within the dimensions specified.

Product specifications

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

Index	RG I S 080
Oscillator	RGOS 080
Reducer	RGCS 080

● Dimensions with options

Product specifications

Compact

Standard

Table

Wide angle

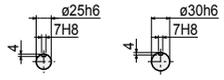
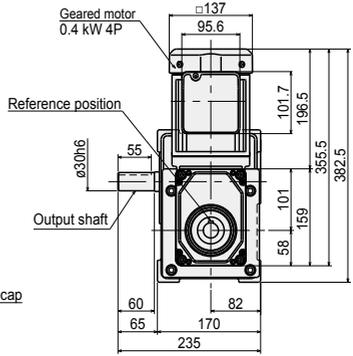
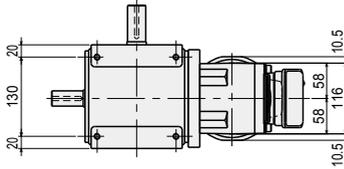
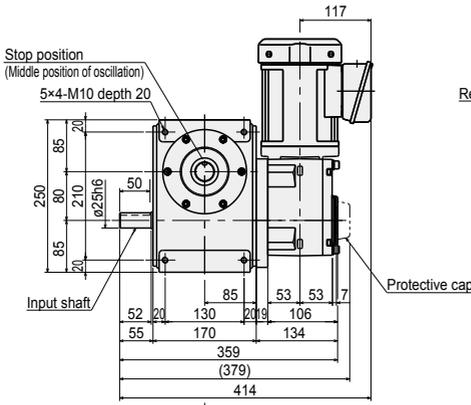
Basic

Parallel cam drive

Circular
Pawl and
Rack drive

Option

With the hollow shaft geared motor (0.4 kW)



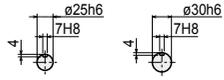
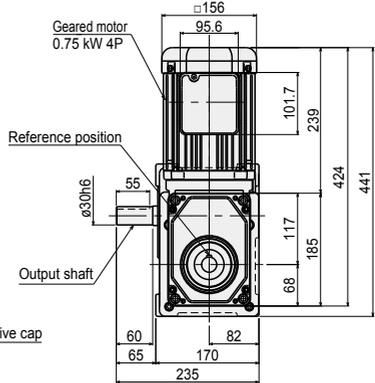
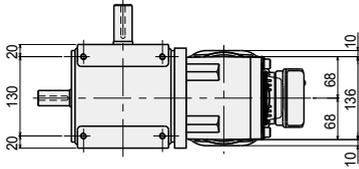
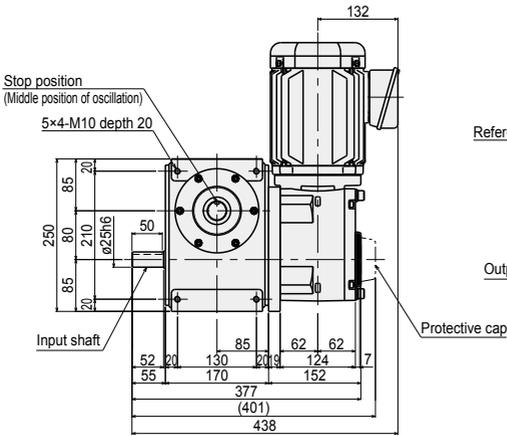
Input shaft Output shaft

RG I S 080- [] [] [] [] [] S [] -NHNGJS [] F

RGOS 080

RGCS 080

With the hollow shaft geared motor (0.75 kW)



Input shaft Output shaft

RG I S 080- [] [] [] [] [] S [] -NHNGKS [] F

RGOS 080

RGCS 080

Difference between shafts: **80** mm Flange shaft

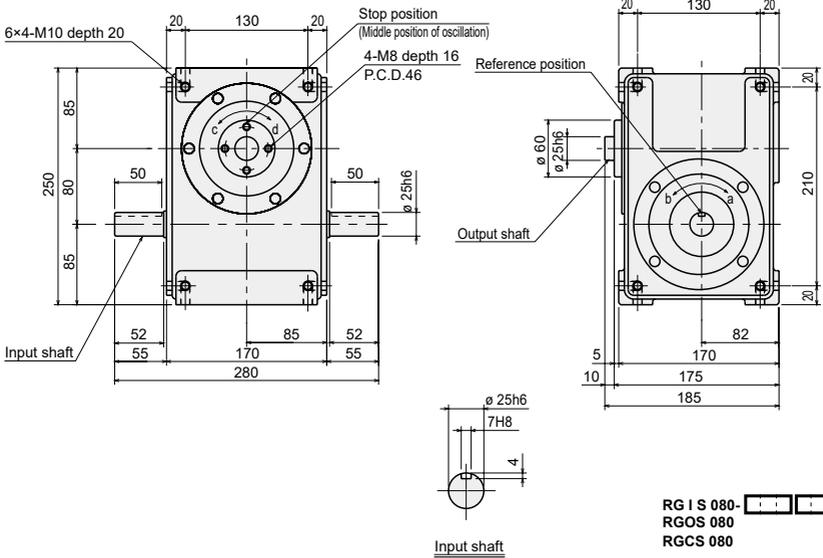
Discontinue

Standard

Index	RG I S 080
Oscillator	RGOS 080
Reducer	RGCS 080

● Standard specifications

Dimensions

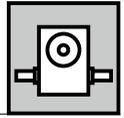


RG I S 080- F
 RGOS 080
 RGCS 080

Installation position and oil supply/drain port and oil level gauge positions

Installation position	1	2	3	
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	
Dimensions				<ul style="list-style-type: none"> ● Oil fill/drain port (Rc³/₈) ○ Oil level gauge (ø 30)
			The dimensions in () are for RGOS.	
Installation position	4	5	6	
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGCS	RGOS
Dimensions				
	The dimensions in () are for RGOS.			

Discontinue



Characteristics

Values in parenthesis () represents the aluminum housing data.

Descriptions	Unit	Characteristics		Descriptions	Unit	Characteristics
		Output shaft	Input shaft			
Allowable thrust force	N	3500 (2100)	2500 (1500)	Internal frictional torque (Tin)	N·m	7.8
Allowable radial force	N	4200 (2500)	2700 (1700)	Product weight	kg	32 (23)
Allowable bending moment	N·m	200 (120)	-	Oil level	ℓ	1.2
Moment of inertia	kg·m ²	3.07 × 10 ⁻³	3.14 × 10 ⁻³	Paint color		Silver

List of index angles

Index series **RGIS 080** Cam curve/MS

Total index angle (θt)		90	120	150	180	210	240	270	300	330
Index number (n)										
1 dwell	2							○	○	○
	3				○	○	○	○	○	○
	4			○	○	○	○	○	○	○
	5		○	○	○	○	○	○	○	○
	6	○	○	○	○	○	○	○	○	○
	8	○	○	○	○	○	○	○	○	○
	9	○	○	○	○	○	○	○	○	○
	10	○	○	○	○	○	○	○	○	○
	12	○	○	○	○	○	○	○	○	○
	15	○	○	○	○	○	○	○	○	○
2 dwell	16	○	○	○	○	○	○	○	○	○
	18		○	○	○	○	○	○	○	○
	20	○	○	○	○	○	○	○	○	○
	24	○	○	○	○	○	○	○	○	○
	30	○	○	○	○	○	○	○	○	○
	32	○	○	○	○	○	○	○	○	○
3 dwell	24			○	○	○	○	○	○	○
	30		○	○	○	○	○	○	○	○
	36	○	○	○	○	○	○	○	○	○
	48	○	○	○	○	○	○	○	○	○
4 dwell	32				○	○	○	○	○	○
	36				○	○	○	○	○	○
	40				○	○	○	○	○	○
	48		○	○	○	○	○	○	○	○

Oscillating series **RGOS 080** Cam curve/MS

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

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±60
	3 dwell	±90
	4 dwell	±120
Repeatability		15

Oscillating accuracy (sec.)	
Indexing accuracy	±60
Repeatability	15

* For the dwell accuracy, please contact CKD.

Reducer series **RGCS 080**

Total index angle (θt)		360
Reduction ratio (id)		
1/3		○
1/4		○
1/5		○
1/6		○
1/8		○
1/9		○
1/10		○
1/12		○

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Pick and Place drive

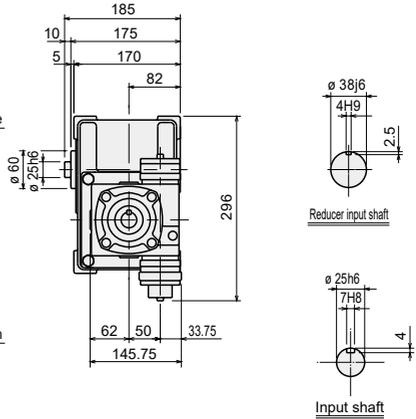
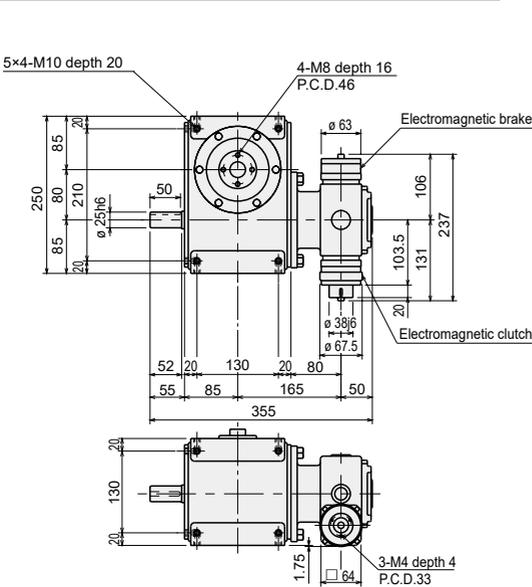
Linear
Circular

Option

Index	RG I S 080
Oscillator	RGOS 080
Reducer	RGCS 080

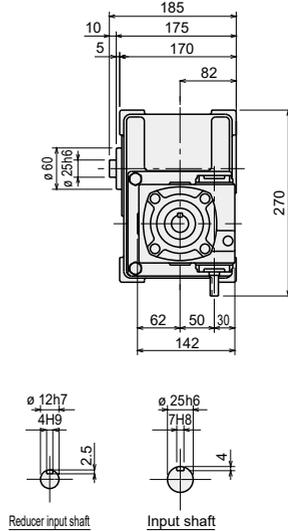
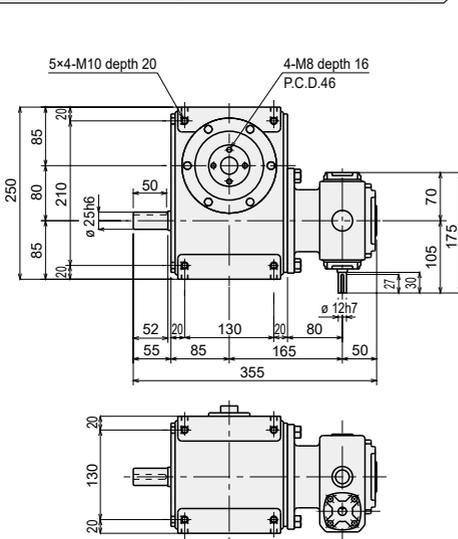
● Dimensions with options

With worm reducer (with HO50-C/B)



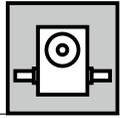
RG I S 080- [] [] [] [] [] F [] -NWN05 [] YG
 RGOS 080
 RGCS 080

With worm reducer (without HO50-C/B)

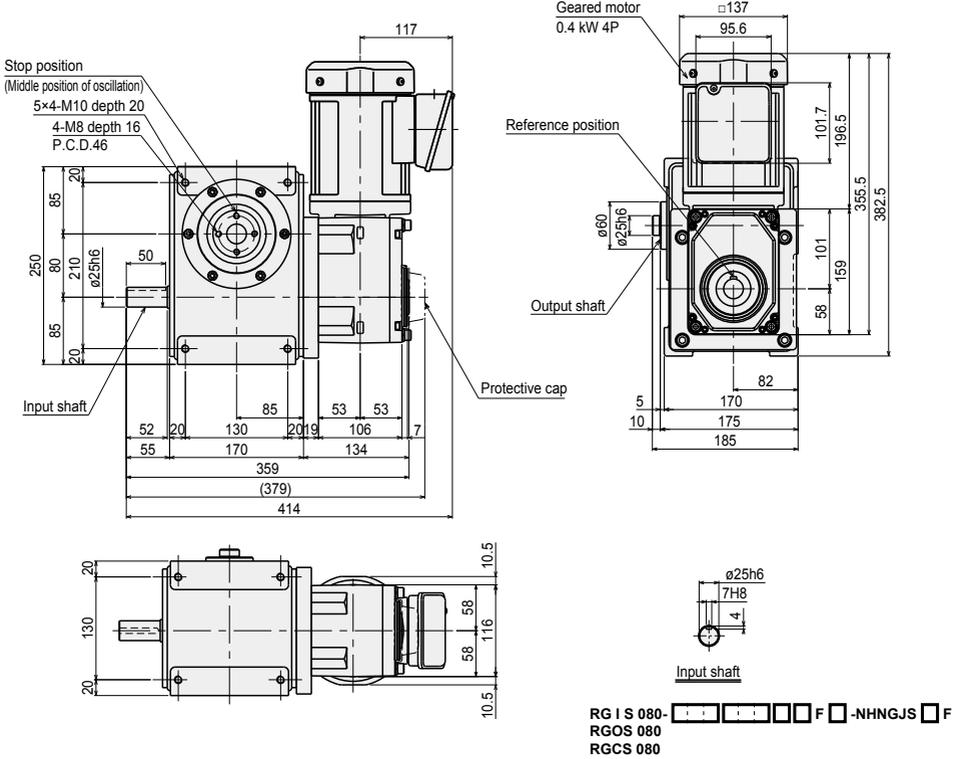


RG I S 080- [] [] [] [] [] F [] -NWN05 [] NG
 RGOS 080
 RGCS 080

Product specifications	Compact
	Standard
Roller gear cam drive	Table
	Wide angle
	Basic
Parallel cam drive	
	Circular Pitch and Planis drive
Option	Linear



With the hollow shaft geared motor (0.4 kW)



Product specifications

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

Difference between shafts: **110** mm

Straight shaft

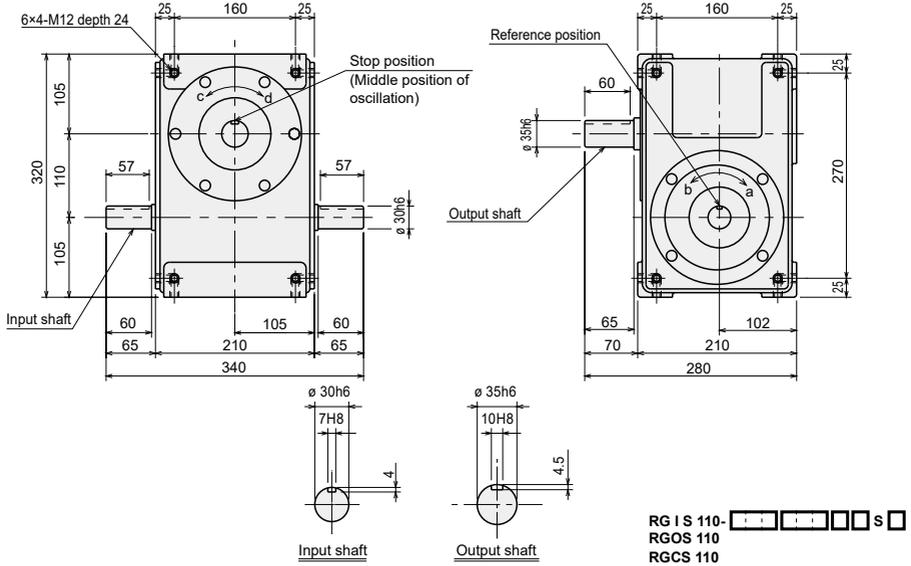
Discontinue

Standard

Index	RG I S 110
Oscillator	RGOS 110
Reducer	RGCS 110

● Standard specifications

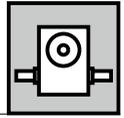
Dimensions



Installation position and oil supply/drain port and oil level gauge positions

Installation position	1	2	3	
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	
Dimensions			 The dimensions in () are for RGOS.	
			<ul style="list-style-type: none"> ● Oil fill/drain port (Rc³/8) ○ Oil level gauge (ø 30) 	
Installation position	4	5	6	
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGCS	RGOS
Dimensions				
	The dimensions in () are for RGOS.			

Discontinue



Characteristics

Descriptions	Unit	Characteristics		Descriptions	Unit	Characteristics
		Output shaft	Input shaft			
Allowable thrust force	N	4900	3500	Internal frictional torque (Tin)	N·m	15
Allowable radial force	N	6200	3600	Product weight	kg	60
Allowable bending moment	N·m	180	-	Oil level	ℓ	3.8
Moment of inertia	kg·m ²	8.92×10^{-3}	1.36×10^{-2}	Paint color		Silver

List of index angles

Index series **RGIS 110** Cam curve/MS

Total index angle (θt)		90	120	150	180	210	240	270	300	330
Index number (n)										
1 dwell	2							○	○	○
	3				○	○	○	○	○	○
	4			○	○	○	○	○	○	○
	5		○	○	○	○	○	○	○	○
	6	○	○	○	○	○	○	○	○	○
	8	○	○	○	○	○	○	○	○	○
	9	○	○	○	○	○	○	○	○	○
	10	○	○	○	○	○	○	○	○	○
	12	○	○	○	○	○	○	○	○	○
	15	○	○	○	○	○	○	○	○	○
2 dwell	16	○	○	○	○	○	○	○	○	○
	18		○	○	○	○	○	○	○	○
	20	○	○	○	○	○	○	○	○	○
	24	○	○	○	○	○	○	○	○	○
	30	○	○	○	○	○	○	○	○	○
	32	○	○	○	○	○	○	○	○	○
3 dwell	24			○	○	○	○	○	○	○
	30		○	○	○	○	○	○	○	○
	36	○	○	○	○	○	○	○	○	○
4 dwell	48	○	○	○	○	○	○	○	○	○
	32				○	○	○	○	○	○
	36			○	○	○	○	○	○	○
	40			○	○	○	○	○	○	○
	48		○	○	○	○	○	○	○	○

Oscillating series **RGOS 110** Cam curve/MS

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

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±60
	3 dwell	±90
	4 dwell	±120
Repeatability		15

Oscillating accuracy (sec.)	
Indexing accuracy	±60
Repeatability	15

* For the dwell accuracy, please contact CKD.

Reducer series **RGCS 110**

Total index angle (θt)		360
Reduction ratio (id)		
	1/3	○
	1/4	○
	1/5	○
	1/6	○
	1/8	○
	1/9	○
	1/10	○
	1/12	○

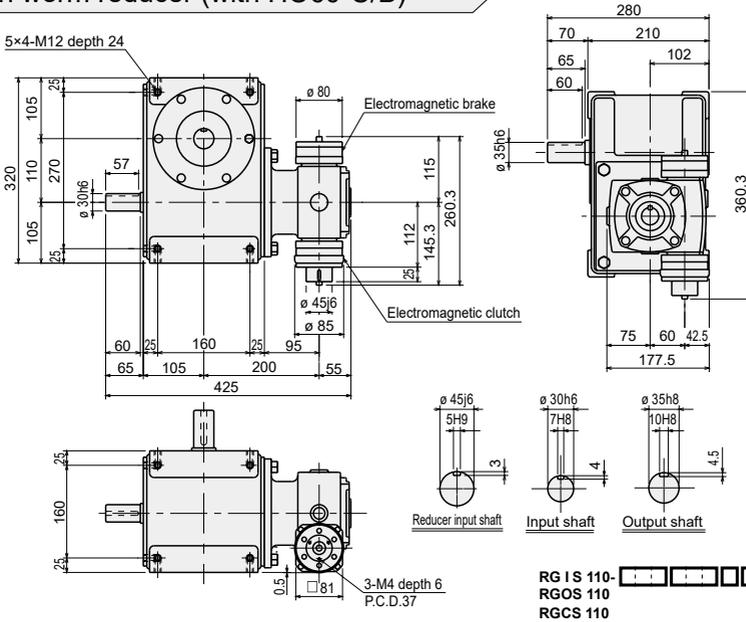
Product specifications

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

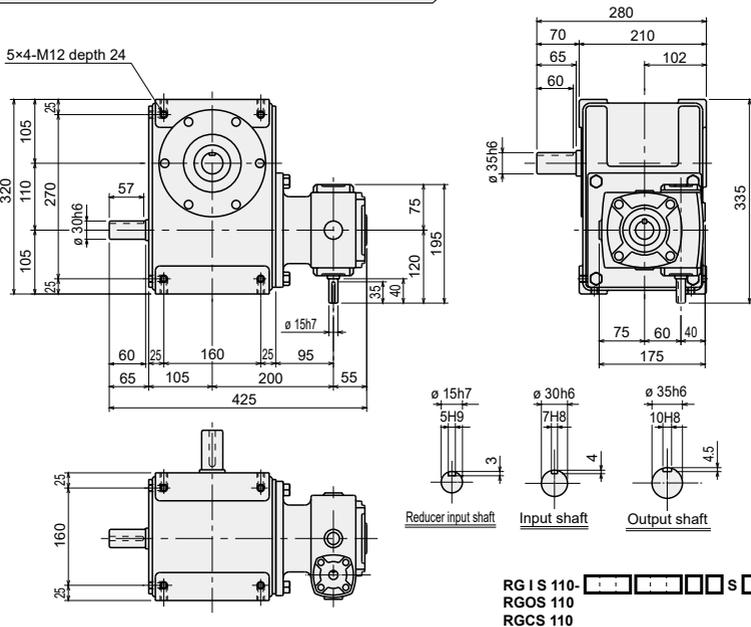
Index	RG I S 110
Oscillator	RGOS 110
Reducer	RGCS 110

● Dimensions with options

With worm reducer (with HO60-C/B)



With worm reducer (without HO60-C/B)



Product specifications

Compact

Standard

Table

Wide angle

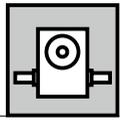
Basic

Parallel cam drive

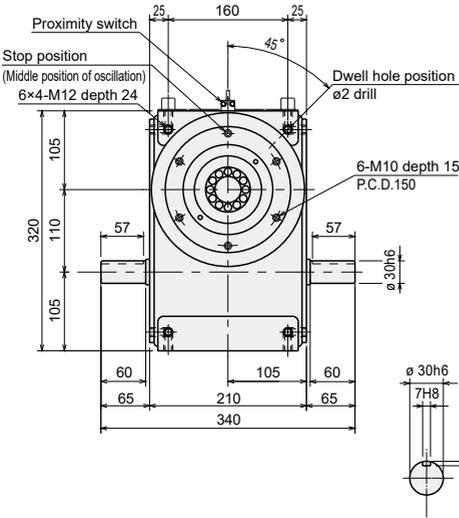
Circular

Linear

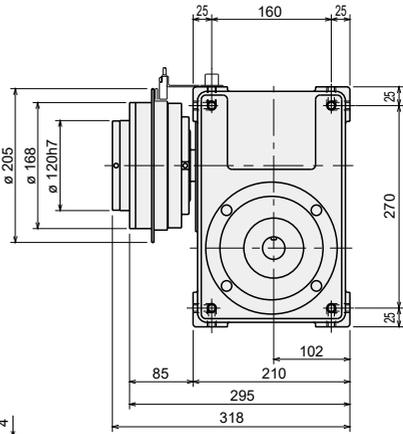
Option



With Torque saver (TSF11)

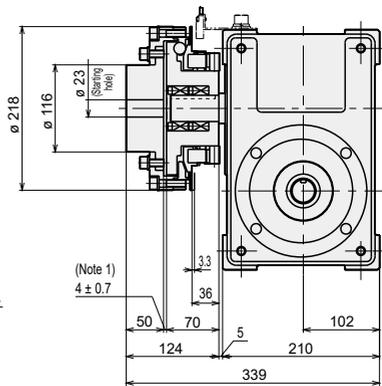
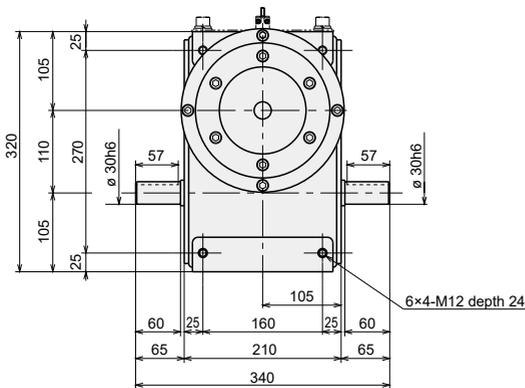


Input shaft



RG I S 110- [] [] [] [] [] S [] -NNF-11 []
 RGOS 110
 RGCS 110

With Torque guard (TGX70)



RG I S 110- [] [] [] [] [] S [] -NNX-70 []
 RGOS 110
 RGCS 110

Note 1: Attach to the equipment within the dimensions specified.

Product specifications

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

Difference between shafts: **110** mm

Straight shaft

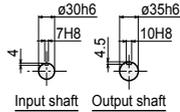
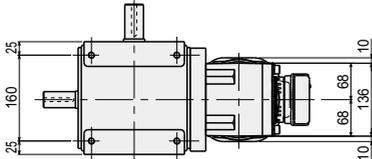
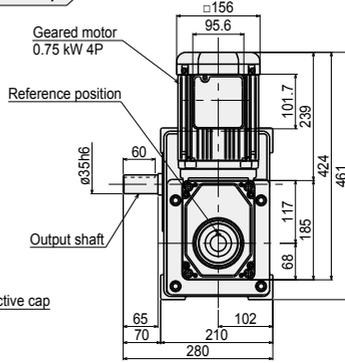
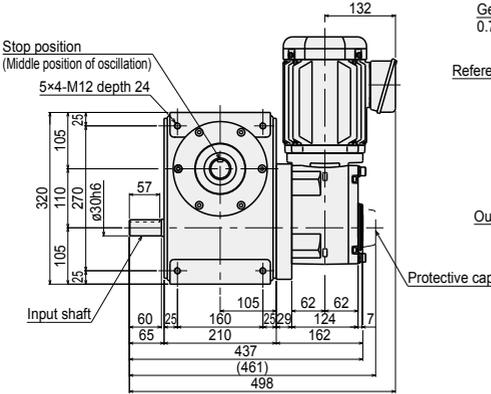
Discontinue

Index	RG I S 110
Oscillator	RGOS 110
Reducer	RGCS 110

● Dimensions with options

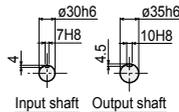
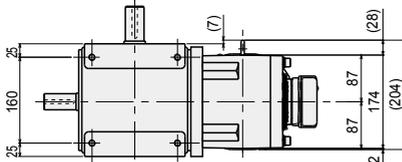
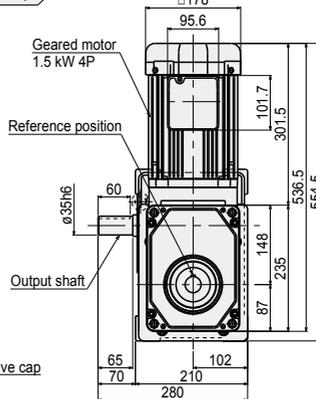
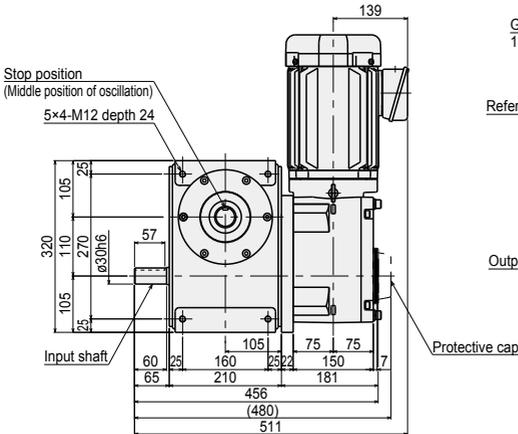
Product specifications

With the hollow shaft geared motor (0.75 kW)



RG I S 110- [] [] [] [] [] S -NHNGKS [] F
 RGOS 110
 RGCS 110

With the hollow shaft geared motor (1.5 kW)



RG I S 110- [] [] [] [] [] S -NHNGLS [] F
 RGOS 110
 RGCS 110

Compact
 Standard
 Table
 Roller gear cam drive
 Wide angle
 Basic
 Parallel cam drive
 Circular
 Linear
 Pie and
 Plate drive
 Option

Difference between shafts: **110** mm

Flange shaft

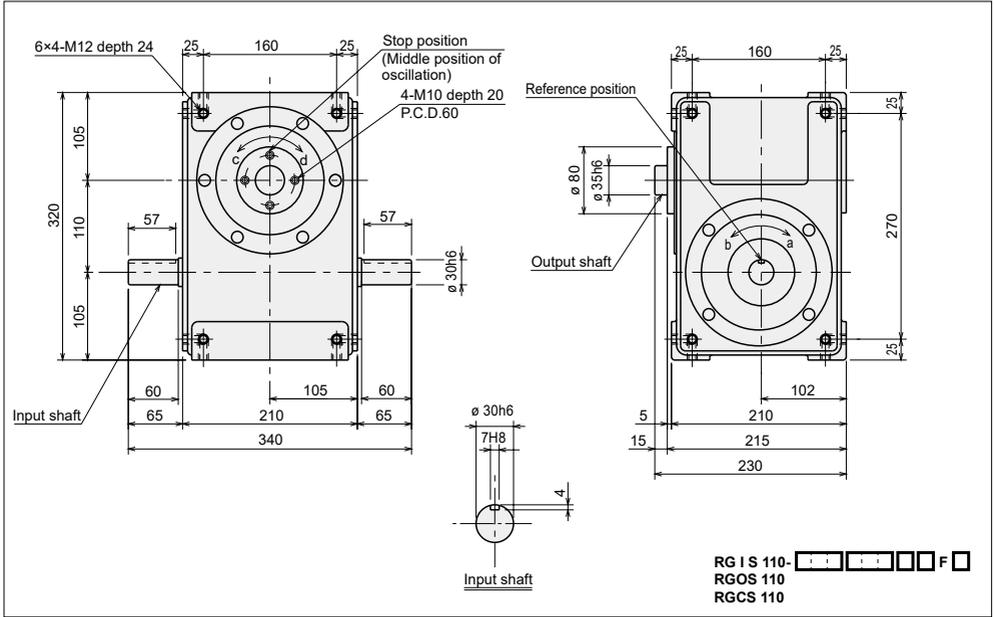
Discontinue

Index	RG I S 110
Oscillator	RGOS 110
Reducer	RGCS 110

Standard

● Standard specifications

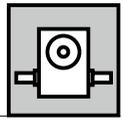
Dimensions



Installation position and oil supply/drain port and oil level gauge positions

Installation position	1	2	3	
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	
Dimensions				
			The dimensions in () are for RGOS.	
			<ul style="list-style-type: none"> ● Oil fill/drain port (Rc³/8) ○ Oil level gauge (ø 30) 	
Installation position	4	5	6	
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGCS	RGOS
Dimensions				
	The dimensions in () are for RGOS.			

Discontinue



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	4900	3500
Allowable radial force	N	6800	3600
Allowable bending moment	N·m	350	-
Moment of inertia	kg·m ²	1.38×10^{-2}	1.36×10^{-2}

Descriptions	Unit	Characteristics
Internal frictional torque (Tin)	N·m	15
Product weight	kg	60
Oil level	ℓ	3.8
Paint color		Silver

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±60
	3 dwell	±90
	4 dwell	±120
Repeatability		15

Oscillating accuracy (sec.)	
Indexing accuracy	±60
Repeatability	15

* For the dwell accuracy, please contact CKD.

List of index angles

Index series **RGIS 110** Cam curve/MS

Total index angle (θt)	90	120	150	180	210	240	270	300	330
Index number (n)									
1 dwell	2						○	○	○
	3				○	○	○	○	○
	4			○	○	○	○	○	○
	5		○	○	○	○	○	○	○
	6	○	○	○	○	○	○	○	○
	8	○	○	○	○	○	○	○	○
	9	○	○	○	○	○	○	○	○
	10	○	○	○	○	○	○	○	○
	12	○	○	○	○	○	○	○	○
	15	○	○	○	○	○	○	○	○
2 dwell	16	○	○	○	○	○	○	○	○
	18		○	○	○	○	○	○	○
	20	○	○	○	○	○	○	○	○
	24	○	○	○	○	○	○	○	○
	30	○	○	○	○	○	○	○	○
	32	○	○	○	○	○	○	○	○
3 dwell	24			○	○	○	○	○	○
	30		○	○	○	○	○	○	○
	36	○	○	○	○	○	○	○	○
4 dwell	48	○	○	○	○	○	○	○	○
	32				○	○	○	○	○
	36			○	○	○	○	○	○
4 dwell	40			○	○	○	○	○	○
	48		○	○	○	○	○	○	○

Oscillating series **RGOS 110** Cam curve/MS

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

Reducer series **RGCS 110**

Total index angle (θt)	360
Reduction ratio (id)	
1/3	○
1/4	○
1/5	○
1/6	○
1/8	○
1/9	○
1/10	○
1/12	○

Product specifications

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

Difference between shafts: **110** mm

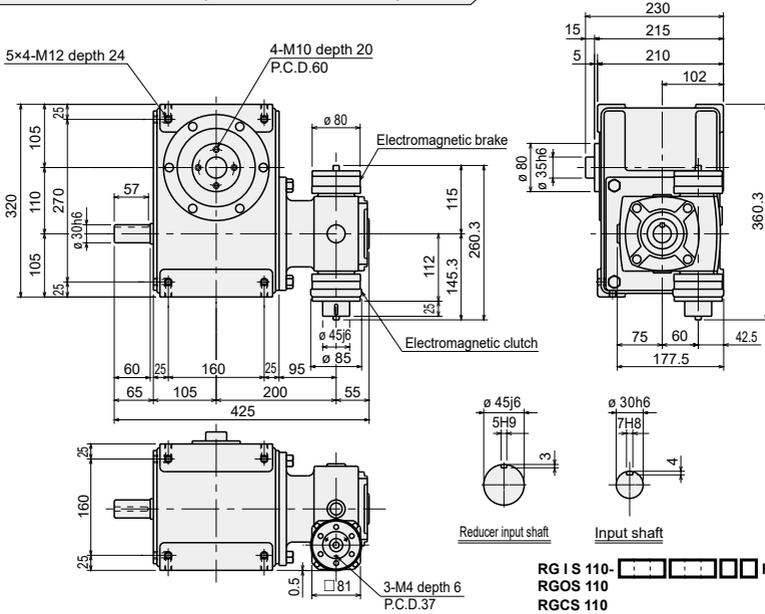
Flange shaft

Discontinued

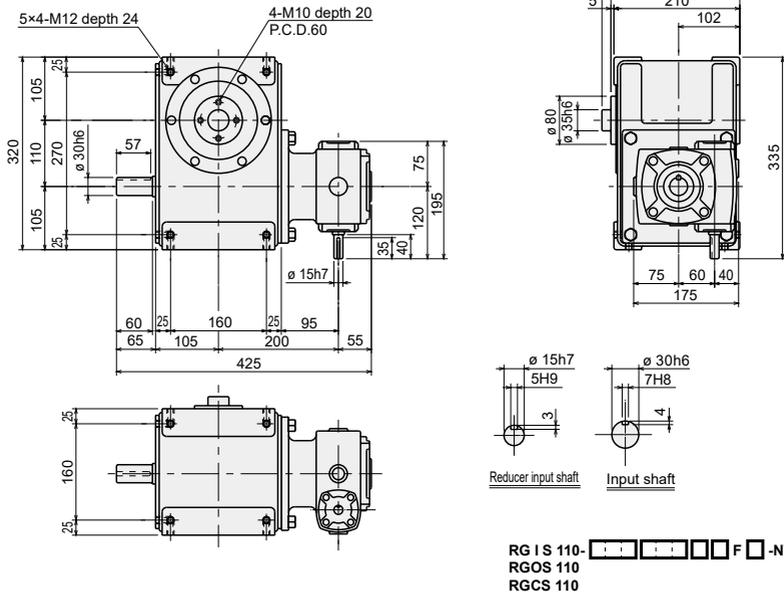
Index	RG I S 110
Oscillator	RGOS 110
Reducer	RGCS 110

● Dimensions with options

With worm reducer (with HO60-C/B)



With worm reducer (without HO60-C/B)



Product specifications

Compact

Standard

Table

Roller gear cam drive

Wide angle

Basic

Parallel cam drive

Linear

Circular

Option

Difference between shafts: **140** mm

Straight shaft

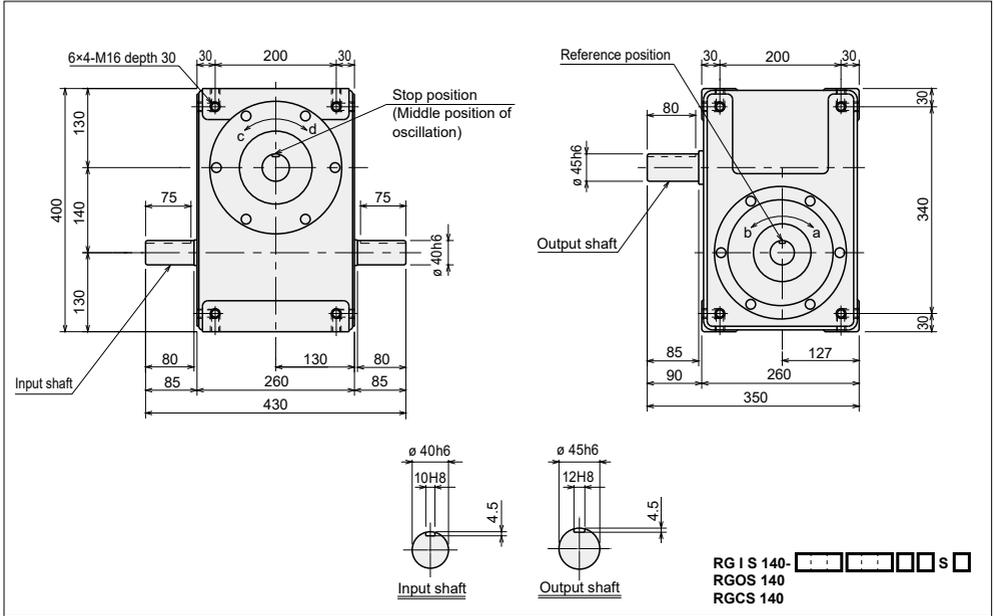
Discontinue

Standard

Index	RG I S 140
Oscillator	RGOS 140
Reducer	RGCS 140

● Standard specifications

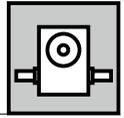
Dimensions



Installation position and oil supply/drain port and oil level gauge positions

Installation position	1	2	3	
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	
Dimensions				
			The dimensions in () are for RGOS.	
			<ul style="list-style-type: none"> ● Oil fill/drain port (Rc³/8) ○ Oil level gauge (∅ 30) 	
Installation position	4	5	6	
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGCS	RGOS
Dimensions				
	The dimensions in () are for RGOS.			

Discontinue



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	7300	4500
Allowable radial force	N	9500	4200
Allowable bending moment	N·m	450	-
Moment of inertia	kg·m ²	2.53×10^{-2}	5.42×10^{-2}

Descriptions	Unit	Characteristics
Internal frictional torque (Tin)	N·m	24
Product weight	kg	115
Oil level	ℓ	6
Paint color		Silver

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±60
	3 dwell	±90
	4 dwell	±120
Repeatability		15

Oscillating accuracy (sec.)	
Indexing accuracy	±60
Repeatability	15

* For the dwell accuracy, please contact CKD.

List of index angles

Index series **RGIS 140** Cam curve/MS

Total index angle (θt)		90	120	150	180	210	240	270	300	330
Index number (n)										
1 dwell	2								○	○
	3				○	○	○	○	○	○
	4			○	○	○	○	○	○	○
	5		○	○	○	○	○	○	○	○
	6	○	○	○	○	○	○	○	○	○
	8	○	○	○	○	○	○	○	○	○
	9	○	○	○	○	○	○	○	○	○
	10	○	○	○	○	○	○	○	○	○
	12	○	○	○	○	○	○	○	○	○
	15	○	○	○	○	○	○	○	○	○
2 dwell	16	○	○	○	○	○	○	○	○	○
	18		○	○	○	○	○	○	○	○
	20	○	○	○	○	○	○	○	○	○
	24	○	○	○	○	○	○	○	○	○
	30	○	○	○	○	○	○	○	○	○
	32	○	○	○	○	○	○	○	○	○
3 dwell	24			○	○	○	○	○	○	○
	30		○	○	○	○	○	○	○	○
	36	○	○	○	○	○	○	○	○	○
4 dwell	48	○	○	○	○	○	○	○	○	○
	32				○	○	○	○	○	○
	36			○	○	○	○	○	○	○
	40			○	○	○	○	○	○	○
	48		○	○	○	○	○	○	○	○

Oscillating series **RGOS 140** Cam curve/MS

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

Reducer series **RGCS 140**

Total index angle (θt)	360
Reduction ratio (id)	
1/3	○
1/4	○
1/5	○
1/6	○
1/8	○
1/9	○
1/10	○
1/12	○

Product specifications

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

Difference between shafts:

140 mm

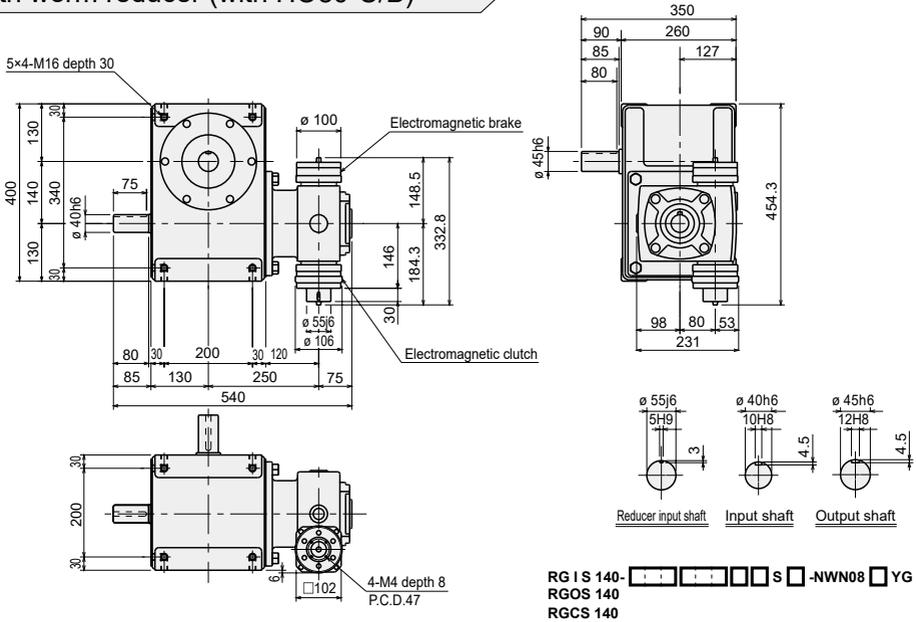
Straight shaft

Discontinue

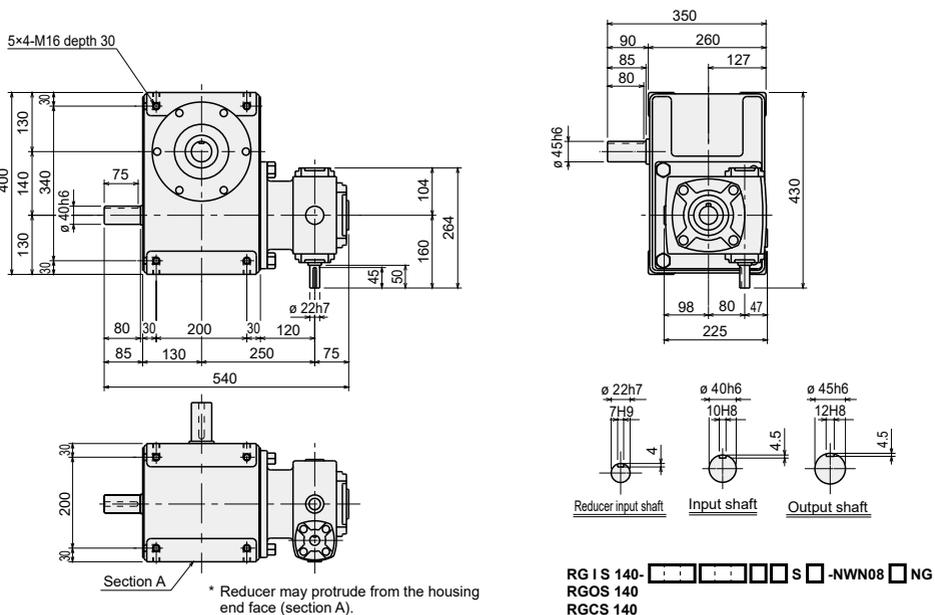
Index	RG I S 140
Oscillator	RGOS 140
Reducer	RGCS 140

● Dimensions with options

With worm reducer (with HO80-C/B)



With worm reducer (without HO80-C/B)



Section A * Reducer may protrude from the housing end face (section A).

Product specifications

Compact

Standard

Table

Wide angle

Basic

Parallel cam drive

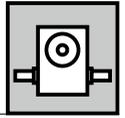
Option

Linear

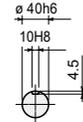
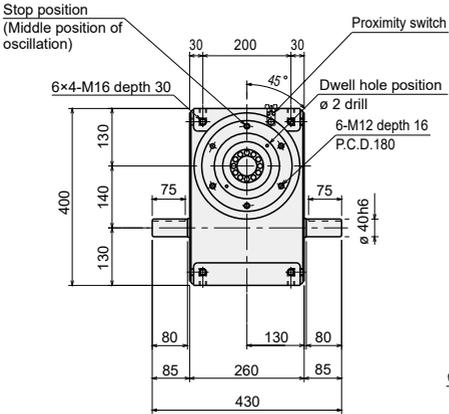
Circular

Face and

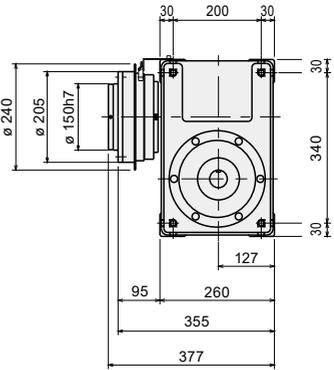
Plane drive



With Torque saver (TSF14)



Input shaft



RG I S 140- S -NMF-14

RGOS 140

RGCS 140

Product specifications

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

Difference between shafts: **140** mm

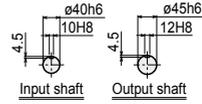
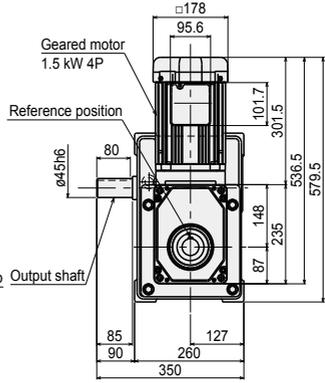
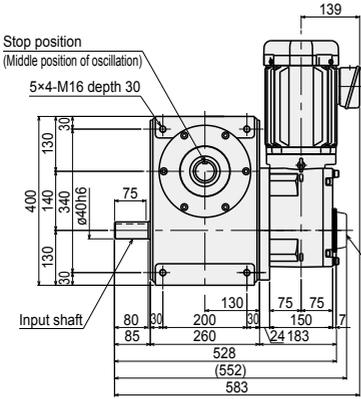
Straight shaft

Discontinued

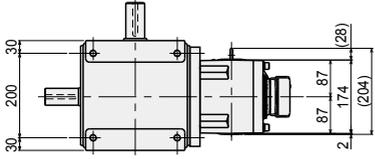
Index	RG I S 140
Oscillator	RGOS 140
Reducer	RGCS 140

● Dimensions with options

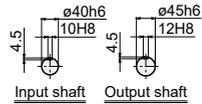
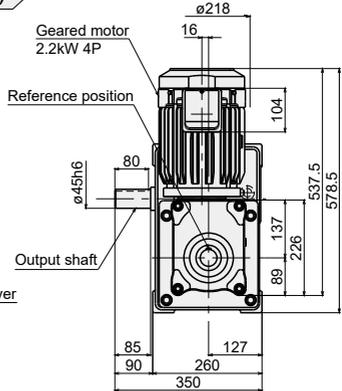
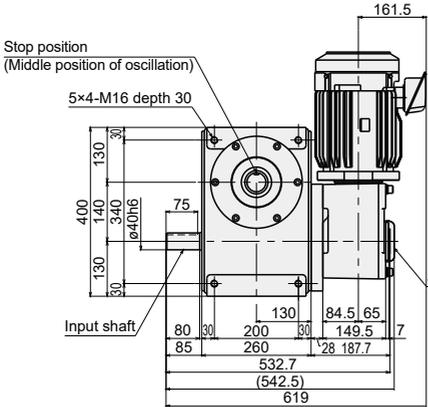
With the hollow shaft geared motor (1.5 kW)



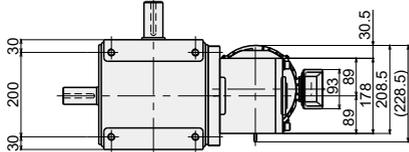
RG I S 140-□□□□□□□□□□ S □ -NHNGLS □ F
 RGOS 140
 RGCS 140



With the hollow shaft geared motor (2.2 kW)

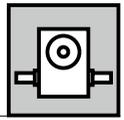


RG I S 140-□□□□□□□□□□ S □ -NHNTMS □ F
 RGOS 140
 RGCS 140



Product specifications
 Compact
 Standard
 Table
 Roller gear cam drive
 Wide angle
 Basic
 Parallel cam drive
 Circular
 Linear
 Option

Discontinue



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	7300	4500
Allowable radial force	N	9500	4200
Allowable bending moment	N·m	600	-
Moment of inertia	kg·m ²	3.93×10^{-2}	5.42×10^{-2}

Descriptions	Unit	Characteristics
Internal frictional torque (Tin)	N·m	24
Product weight	kg	115
Oil level	ℓ	6
Paint color		Silver

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±60
	3 dwell	±90
	4 dwell	±120
Repeatability		15

Oscillating accuracy (sec.)	
Indexing accuracy	±60
Repeatability	15

* For the dwell accuracy, please contact CKD.

List of index angles

Index series **RGIS 140** Cam curve/MS

Total index angle (θt)	90	120	150	180	210	240	270	300	330
Index number (n)									
1 dwell	2						○	○	○
	3				○	○	○	○	○
	4			○	○	○	○	○	○
	5		○	○	○	○	○	○	○
	6	○	○	○	○	○	○	○	○
	8	○	○	○	○	○	○	○	○
	9	○	○	○	○	○	○	○	○
	10	○	○	○	○	○	○	○	○
	12	○	○	○	○	○	○	○	○
	15	○	○	○	○	○	○	○	○
2 dwell	16	○	○	○	○	○	○	○	○
	18		○	○	○	○	○	○	○
	20	○	○	○	○	○	○	○	○
	24	○	○	○	○	○	○	○	○
	30	○	○	○	○	○	○	○	○
	32	○	○	○	○	○	○	○	○
3 dwell	24			○	○	○	○	○	○
	30		○	○	○	○	○	○	○
	36	○	○	○	○	○	○	○	○
4 dwell	48	○	○	○	○	○	○	○	○
	32				○	○	○	○	○
	36			○	○	○	○	○	○
4 dwell	40			○	○	○	○	○	○
	48		○	○	○	○	○	○	○

Oscillating series **RGOS 140** Cam curve/MS

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

Reducer series **RGCS 140**

Total index angle (θt)	360
Reduction ratio (id)	
1/3	○
1/4	○
1/5	○
1/6	○
1/8	○
1/9	○
1/10	○
1/12	○

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

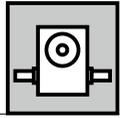
Basic

Parallel cam drive

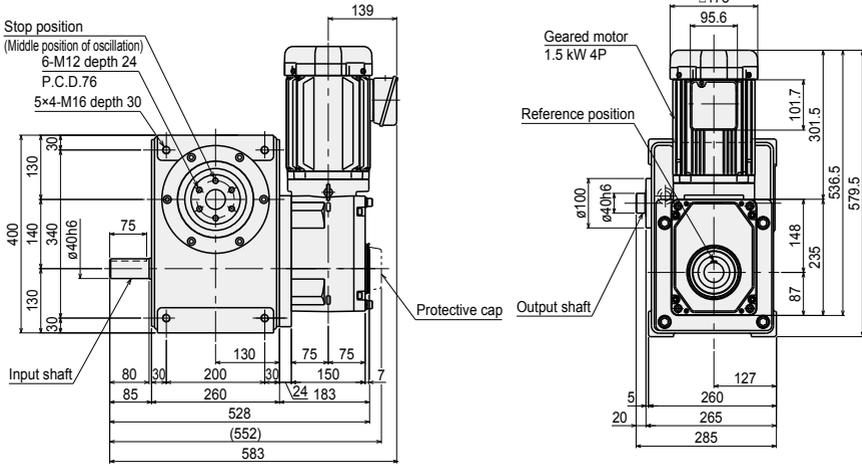
Pick and Place drive
Linear
Circular

Option

Discontinue



With the hollow shaft geared motor (1.5 kW)



RG I S 140- F -NHNGLS F
 RGOS 140
 RGCS 140

Product specifications

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

Difference between shafts: **140** mm

Flange shaft

Discontinue

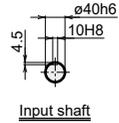
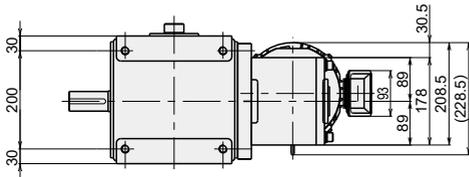
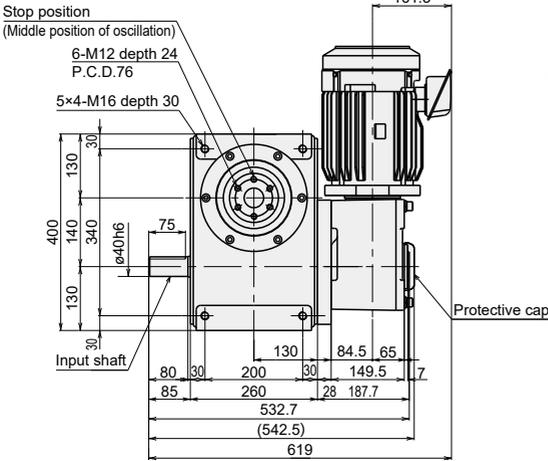
Index	RG I S 140
Oscillator	RGOS 140
Reducer	RGCS 140

● Dimensions with options



With the hollow shaft geared motor (2.2 kW)

Compact
Standard
Table
Wide angle
Basic
Parallel cam drive
Linear
Circular
Option



RG I S 140- F -NHNTMS F
 RGOS 140
 RGCS 140

Difference between shafts: **180** mm Straight shaft

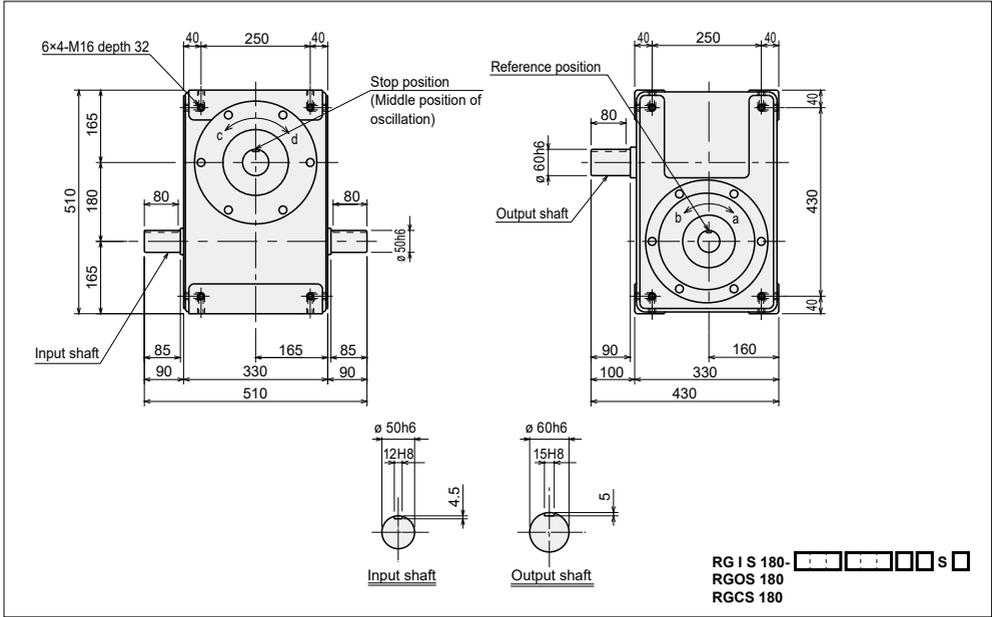
Discontinue

Standard

Index	RG I S 180
Oscillator	RGOS 180
Reducer	RGCS 180

● Standard specifications

Dimensions

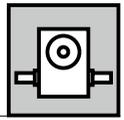


RG I S 180- [] [] [] [] s []
 RGOS 180
 RGCS 180

Installation position and oil supply/drain port and oil level gauge positions

Installation position	1	2	3	
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	
Dimensions			 The dimensions in () are for RGOS.	
			<ul style="list-style-type: none"> ● Oil fill/drain port (Rc1/2) ○ Oil level gauge (∅ 30) 	
Installation position	4	5	6	
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGCS	RGOS
Dimensions	 The dimensions in () are for RGOS.			

Discontinue



Characteristics

Descriptions	Unit	Characteristics		Descriptions	Unit	Characteristics
		Output shaft	Input shaft			
Allowable thrust force	N	12000	6800	Internal frictional torque (Tin)	N·m	39
Allowable radial force	N	15000	6500	Product weight	kg	230
Allowable bending moment	N·m	700	-	Oil level	ℓ	12.5
Moment of inertia	kg·m ²	0.10	0.37	Paint color		Silver

List of index angles

Index series **RGIS 180** Cam curve/MS

Total index angle (θt)		90	120	150	180	210	240	270	300	330
Index number (n)										
1 dwell	2							○	○	○
	3				○	○	○	○	○	○
	4			○	○	○	○	○	○	○
	5		○	○	○	○	○	○	○	○
	6	○	○	○	○	○	○	○	○	○
	8	○	○	○	○	○	○	○	○	○
	9	○	○	○	○	○	○	○	○	○
	10	○	○	○	○	○	○	○	○	○
	12	○	○	○	○	○	○	○	○	○
	15	○	○	○	○	○	○	○	○	○
2 dwell	16	○	○	○	○	○	○	○	○	○
	18		○	○	○	○	○	○	○	○
	20	○	○	○	○	○	○	○	○	○
	24	○	○	○	○	○	○	○	○	○
	30	○	○	○	○	○	○	○	○	○
	32	○	○	○	○	○	○	○	○	○
3 dwell	24			○	○	○	○	○	○	○
	30		○	○	○	○	○	○	○	○
	36	○	○	○	○	○	○	○	○	○
4 dwell	48	○	○	○	○	○	○	○	○	○
	32				○	○	○	○	○	○
	36			○	○	○	○	○	○	○
	40			○	○	○	○	○	○	○
	48		○	○	○	○	○	○	○	○

Oscillating series **RGOS 180** Cam curve/MS

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

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±60
	3 dwell	±90
	4 dwell	±120
Repeatability		15

Oscillating accuracy (sec.)	
Indexing accuracy	±60
Repeatability	15

* For the dwell accuracy, please contact CKD.

Reducer series **RGCS 180**

Total index angle (θt)	360
Reduction ratio (id)	
1/3	○
1/4	○
1/5	○
1/6	○
1/8	○
1/9	○
1/10	○
1/12	○

Product specifications

Compact
Standard
Roller gear cam drive
Table
Wide angle

Basic
Parallel cam drive

Option
Pick and Place drive
Linear
Circular

Difference between shafts:

180 mm

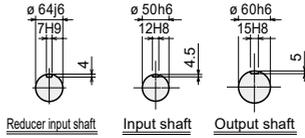
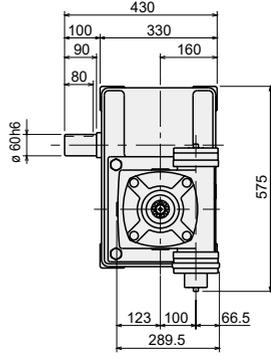
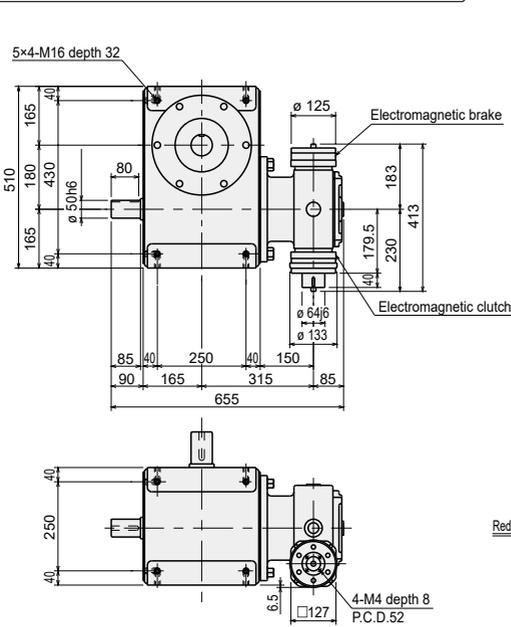
Straight shaft

Discontinued

Index	RG I S 180
Oscillator	RGOS 180
Reducer	RGCS 180

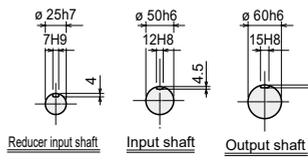
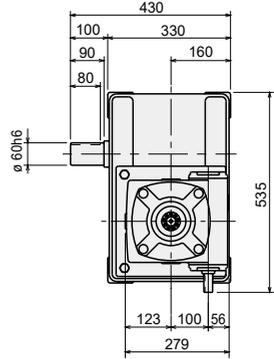
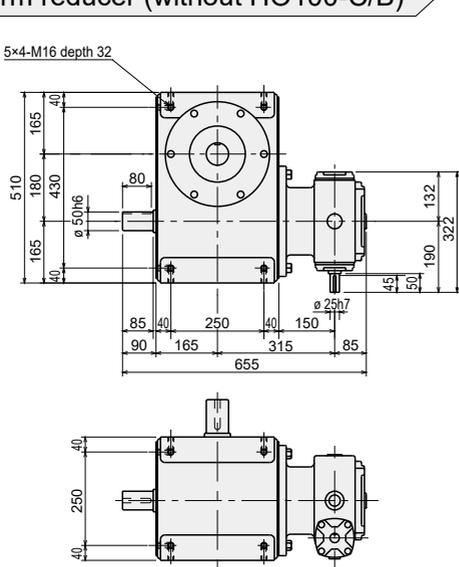
● Dimensions with options

With worm reducer (with HO100-C/B)



RG I S 180- [] [] [] [] [] S [] -NWN10 [] YG
 RGOS [] [] [] [] []
 RGCS [] [] [] [] []

With worm reducer (without HO100-C/B)



RG I S 180- [] [] [] [] [] S [] -NWN10 [] NG
 RGOS [] [] [] [] []
 RGCS [] [] [] [] []

Product specifications

Compact

Standard

Table

Roller gear cam drive

Wide angle

Basic

Parallel cam drive

Circular
Face and
Plane drive

Option

Index	RG I S 180
Oscillator	RGOS 180
Reducer	RGCS 180

● Dimensions with options

Product specifications

Compact

Standard

Table

Wide angle

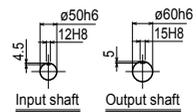
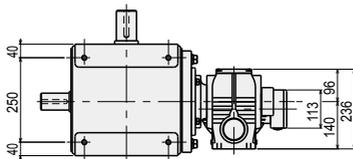
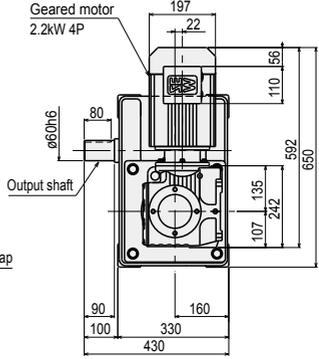
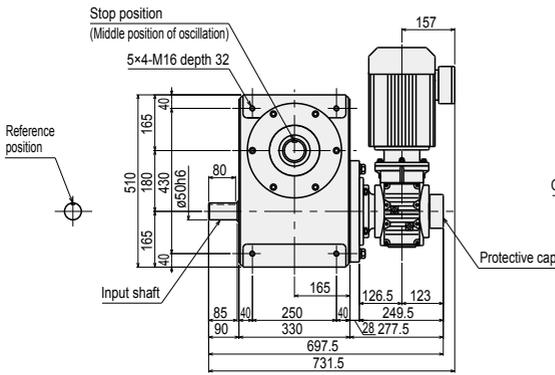
Basic

Parallel cam drive

Circular
Pawl and
Rack drive

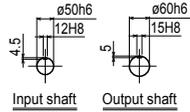
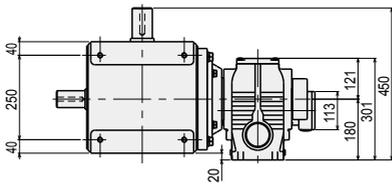
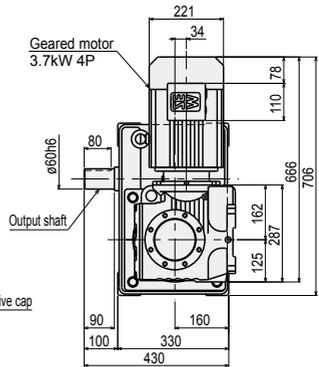
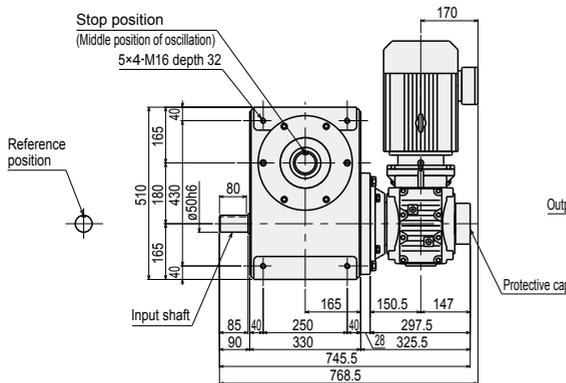
Option

With the hollow shaft geared motor (2.2 kW)



RG I S 180- [] [] [] [] [] S -NHNWMS [] F
 RGOS 180
 RGCS 180

With the hollow shaft geared motor (3.7 kW)



RG I S 180- [] [] [] [] [] S -NHNWNS [] F
 RGOS 180
 RGCS 180

Difference between shafts: **180** mm

Flange shaft

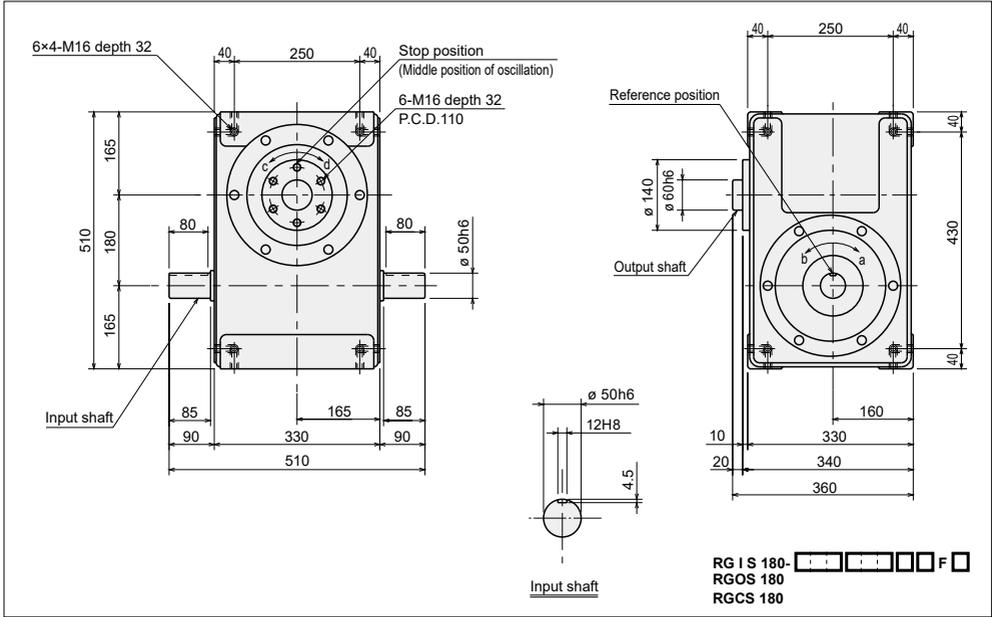
Discontinue

Standard

Index	RG I S 180
Oscillator	RGOS 180
Reducer	RGCS 180

● Standard specifications

Dimensions

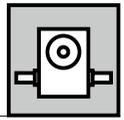


RG I S 180- F
 RGOS 180
 RGCS 180

Installation position and oil supply/drain port and oil level gauge positions

Installation position	1	2	3	
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	
Dimensions			 The dimensions in () are for RGOS.	
			<ul style="list-style-type: none"> ● Oil fill/drain port (Rc1/2) ○ Oil level gauge (ø 30) 	
Installation position	4	5	6	
Series	RGIS/RGOS/RGCS	RGIS/RGOS/RGCS	RGIS/RGCS	RGOS
Dimensions	 The dimensions in () are for RGOS.			

Discontinue



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	12000	6800
Allowable radial force	N	19000	6500
Allowable bending moment	N·m	1000	-
Moment of inertia	kg·m ²	0.15	0.37

Descriptions	Unit	Characteristics
Internal frictional torque (Tin)	N·m	39
Product weight	kg	230
Oil level	ℓ	12.5
Paint color		Silver

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±60
	3 dwell	±90
	4 dwell	±120
Repeatability		15

Oscillating accuracy (sec.)	
Indexing accuracy	±60
Repeatability	15

* For the dwell accuracy, please contact CKD.

List of index angles

Index series **RGIS 180** Cam curve/MS

Total index angle (θt)	90	120	150	180	210	240	270	300	330
Index number (n)									
1 dwell	2						○	○	○
	3				○	○	○	○	○
	4			○	○	○	○	○	○
	5		○	○	○	○	○	○	○
	6	○	○	○	○	○	○	○	○
	8	○	○	○	○	○	○	○	○
	9	○	○	○	○	○	○	○	○
	10	○	○	○	○	○	○	○	○
	12	○	○	○	○	○	○	○	○
	15	○	○	○	○	○	○	○	○
2 dwell	16	○	○	○	○	○	○	○	○
	18		○	○	○	○	○	○	○
	20	○	○	○	○	○	○	○	○
	24	○	○	○	○	○	○	○	○
	30	○	○	○	○	○	○	○	○
	32	○	○	○	○	○	○	○	○
3 dwell	24			○	○	○	○	○	○
	30		○	○	○	○	○	○	○
	36	○	○	○	○	○	○	○	○
4 dwell	48	○	○	○	○	○	○	○	○
	32				○	○	○	○	○
	36			○	○	○	○	○	○
4 dwell	40			○	○	○	○	○	○
	48		○	○	○	○	○	○	○

Oscillating series **RGOS 180** Cam curve/MS

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

Reducer series **RGCS 180**

Total index angle (θt)	360
Reduction ratio (id)	
1/3	○
1/4	○
1/5	○
1/6	○
1/8	○
1/9	○
1/10	○
1/12	○

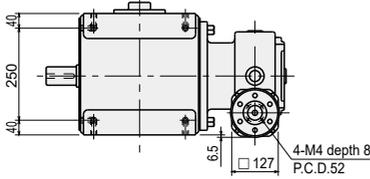
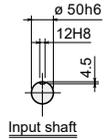
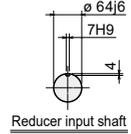
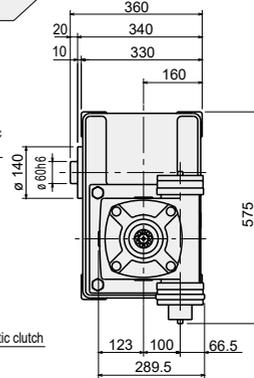
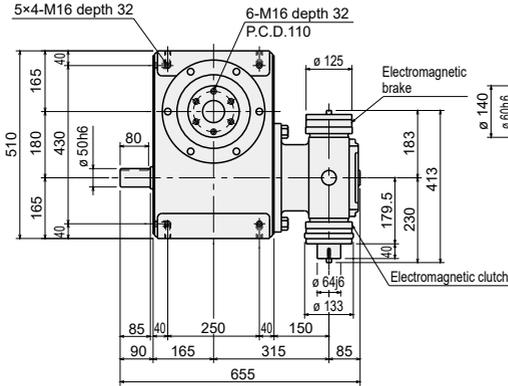
Product specifications

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

Index	RG I S 180
Oscillator	RGOS 180
Reducer	RGCS 180

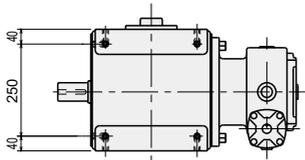
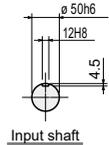
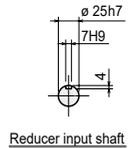
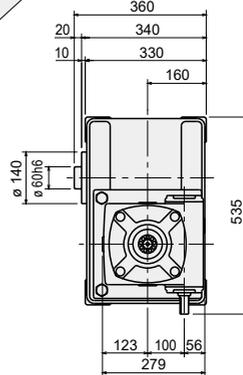
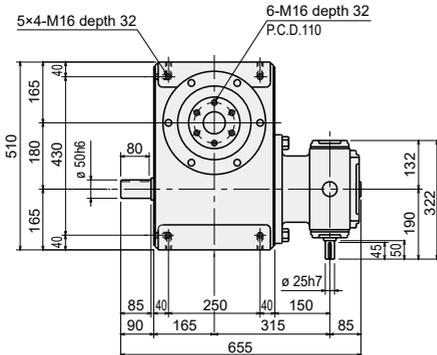
● Dimensions with options

With worm reducer (with HO100-C/B)



RG I S 180- [] [] [] [] [] [] F [] -NWN10 [] YG
 RGOS 180
 RGCS 180

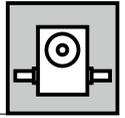
With worm reducer (without HO100-C/B)



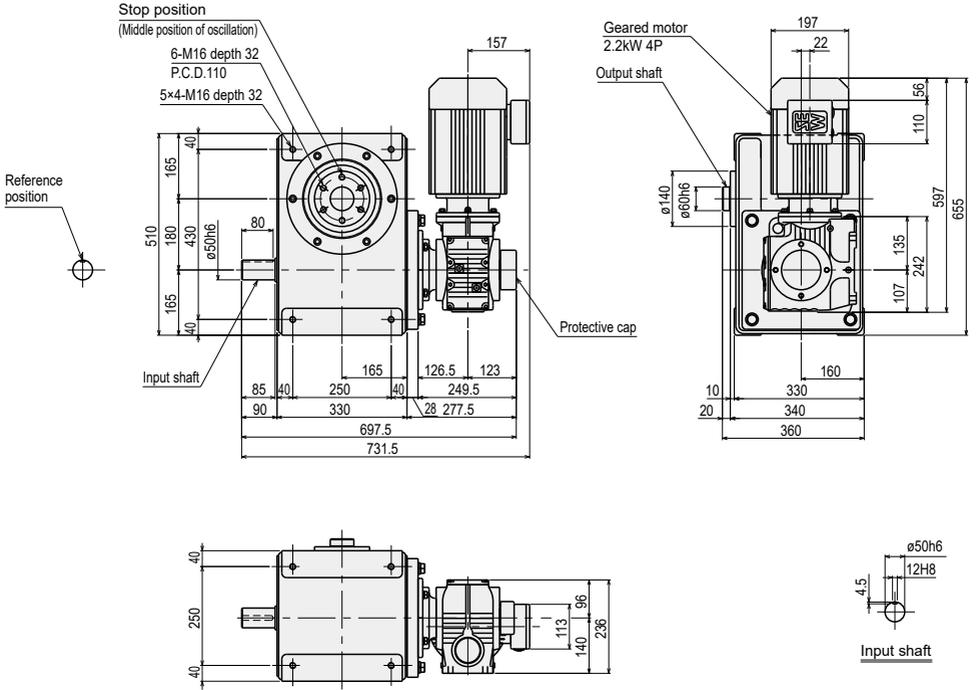
RG I S 180- [] [] [] [] [] [] F [] -NWN10 [] NG
 RGOS 180
 RGCS 180

Product specifications
 Compact
 Standard
 Roller gear cam drive
 Table
 Wide angle
 Basic
 Parallel cam drive
 Linear
 Circular
 Piece and
 Plate drive
 Option

Discontinue



With the hollow shaft geared motor (2.2 kW)



RG I S 180- F -NHNWMS F

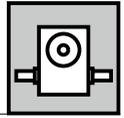
RGOS 180

RGCS 180

Product specifications

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

Discontinue



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	26000	12000
Allowable radial force	N	28000	14000
Allowable bending moment	N·m	2500	-
Moment of inertia	kg·m ²	0.38	0.96

Descriptions	Unit	Characteristics
Internal frictional torque (Tin)	N·m	76
Product weight	kg	650
Oil level	ℓ	38
Paint color		Silver

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±60
	3 dwell	±90
	4 dwell	±120
Repeatability		15

Oscillating accuracy (sec.)	
Indexing accuracy	±60
Repeatability	15

* For the dwell accuracy, please contact CKD.

List of index angles

Index series **RGIS 250** Cam curve/MS

Total index angle (θt)		90	120	150	180	210	240	270	300	330
Index number (n)										
1 dwell	2							○	○	○
	3				○	○	○	○	○	○
	4			○	○	○	○	○	○	○
	5		○	○	○	○	○	○	○	○
	6	○	○	○	○	○	○	○	○	○
	8	○	○	○	○	○	○	○	○	○
	9	○	○	○	○	○	○	○	○	○
	10	○	○	○	○	○	○	○	○	○
	12	○	○	○	○	○	○	○	○	○
	15	○	○	○	○	○	○	○	○	○
	16	○	○	○	○	○	○	○	○	○
	2 dwell	16				○	○	○	○	○
18				○	○	○	○	○	○	○
20		○	○	○	○	○	○	○	○	○
24		○	○	○	○	○	○	○	○	○
30		○	○	○	○	○	○	○	○	○
32		○	○	○	○	○	○	○	○	○
3 dwell	24				○	○	○	○	○	○
	30			○	○	○	○	○	○	○
	36	○	○	○	○	○	○	○	○	○
	48	○	○	○	○	○	○	○	○	○
4 dwell	32				○	○	○	○	○	○
	36			○	○	○	○	○	○	○
	40			○	○	○	○	○	○	○
	48		○	○	○	○	○	○	○	○

Oscillating series **RGOS 250** Cam curve/MS

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

Reducer series **RGCS 250**

Total index angle (θt)		360
Reduction ratio (id)		
1/3		○
1/4		○
1/5		○
1/6		○
1/8		○
1/9		○
1/10		○
1/12		○

Product specifications

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

Difference between shafts: **250** mm

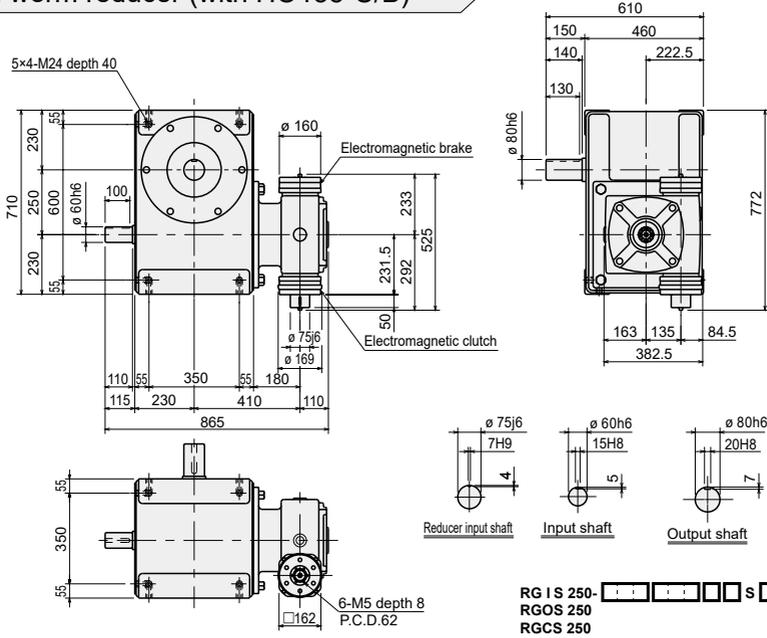
Straight shaft

Discontinue

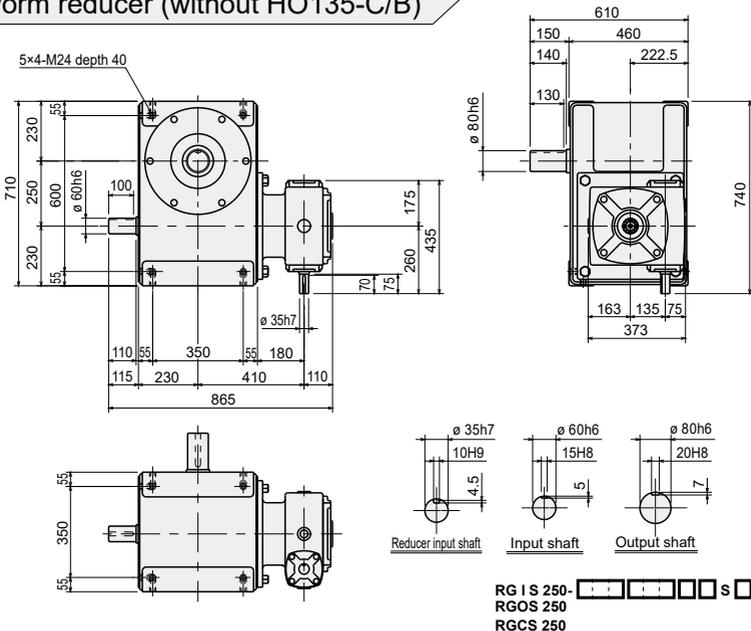
Index	RG I S 250
Oscillator	RGOS 250
Reducer	RGCS 250

● Dimensions with options

With worm reducer (with HO135-C/B)



With worm reducer (without HO135-C/B)



Product specifications

Compact

Standard

Table

Roller gear cam drive

Wide angle

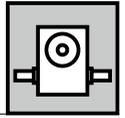
Basic

Parallel cam drive

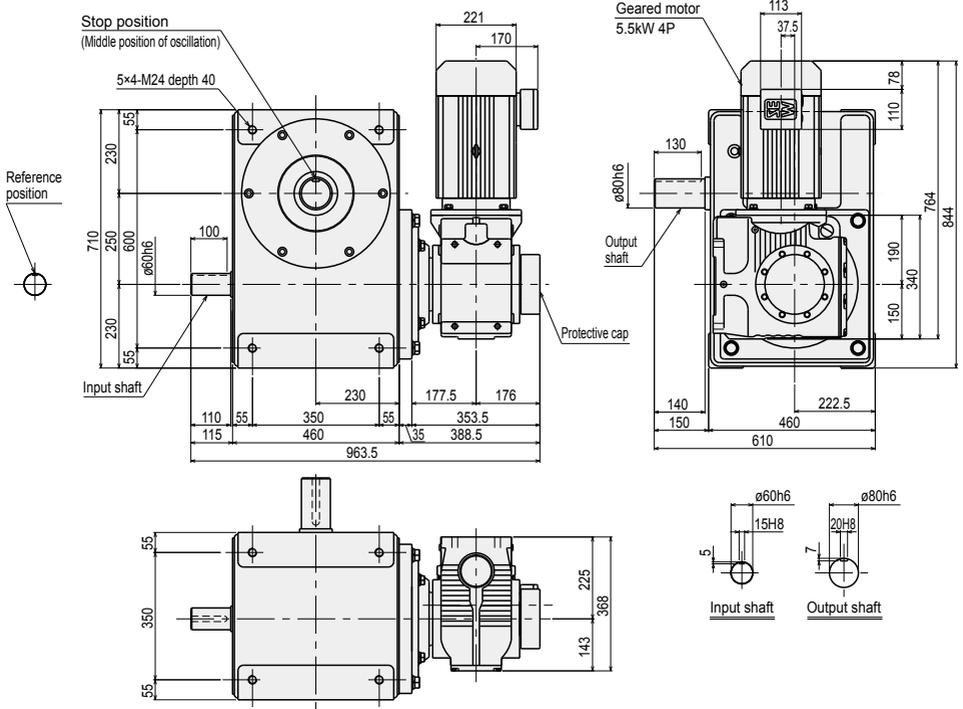
Circular
Pace and
Plate drive

Option

Discontinue



With the hollow shaft geared motor (5.5 kW)



RG I S 250- [] [] [] [] S [] -NHNWPS [] F
 RGOS 250
 RGCS 250

Product specifications

Roller gear cam drive	Table	Standard	Compact
Wide angle			
Basic			

Parallel cam drive

Pick and Place drive	Linear	Circular
----------------------	--------	----------

Option

Difference between shafts: **250** mm

Straight shaft

Discontinued

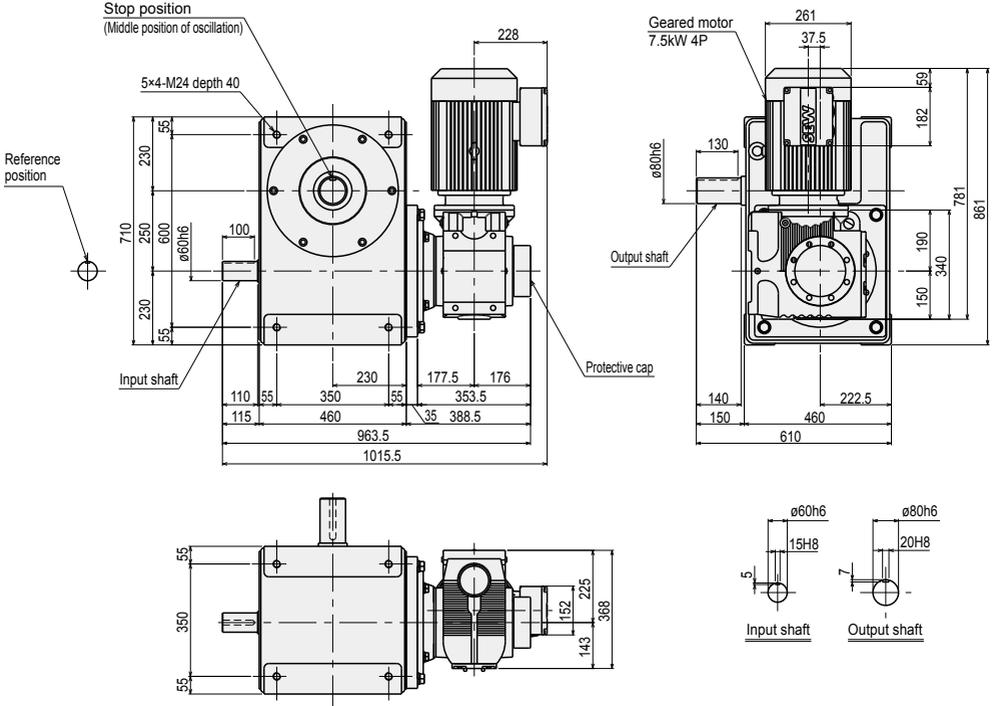
Index	RG I S 250
Oscillator	RGOS 250
Reducer	RGCS 250

● Dimensions with options

With the hollow shaft geared motor (7.5 kW)

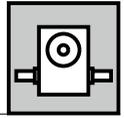
Product specifications

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



RG I S 250- S -NHNWQS F
 RGOS 250
 RGCS 250

Discontinue



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	26000	12000
Allowable radial force	N	32000	14000
Allowable bending moment	N·m	3000	-
Moment of inertia	kg·m ²	0.69	0.96

Descriptions	Unit	Characteristics
Internal frictional torque (Tin)	N·m	76
Product weight	kg	650
Oil level	ℓ	38
Paint color		Silver

Accuracy

Index accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±60
	3 dwell	±90
	4 dwell	±120
Repeatability		15

Oscillating accuracy (sec.)	
Indexing accuracy	±60
Repeatability	15

* For the dwell accuracy, please contact CKD.

List of index angles

Index series **RGIS 250 Cam curve/MS**

Total index angle (θt)	90	120	150	180	210	240	270	300	330
Index number (n)									
1 dwell	2						○	○	○
	3				○	○	○	○	○
	4			○	○	○	○	○	○
	5		○	○	○	○	○	○	○
	6	○	○	○	○	○	○	○	○
	8	○	○	○	○	○	○	○	○
	9	○	○	○	○	○	○	○	○
	10	○	○	○	○	○	○	○	○
	12	○	○	○	○	○	○	○	○
	15	○	○	○	○	○	○	○	○
	16	○	○	○	○	○	○	○	○
	2 dwell	16		○	○	○	○	○	○
18			○	○	○	○	○	○	○
20		○	○	○	○	○	○	○	○
24		○	○	○	○	○	○	○	○
30		○	○	○	○	○	○	○	○
3 dwell	32	○	○	○	○	○	○	○	○
	24			○	○	○	○	○	○
	30		○	○	○	○	○	○	○
	36	○	○	○	○	○	○	○	○
4 dwell	48	○	○	○	○	○	○	○	○
	32				○	○	○	○	○
	36			○	○	○	○	○	○
	40			○	○	○	○	○	○
48		○	○	○	○	○	○	○	

Oscillator Series **RGOS 250 Cam curve/MS**

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

Reducer series **RGCS 250**

Total index angle (θt)	360
Reduction ratio (rd)	
1/3	○
1/4	○
1/5	○
1/6	○
1/8	○
1/9	○
1/10	○
1/12	○

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Pick and Place drive
Linear
Circular

Option

Difference between shafts: **250** mm

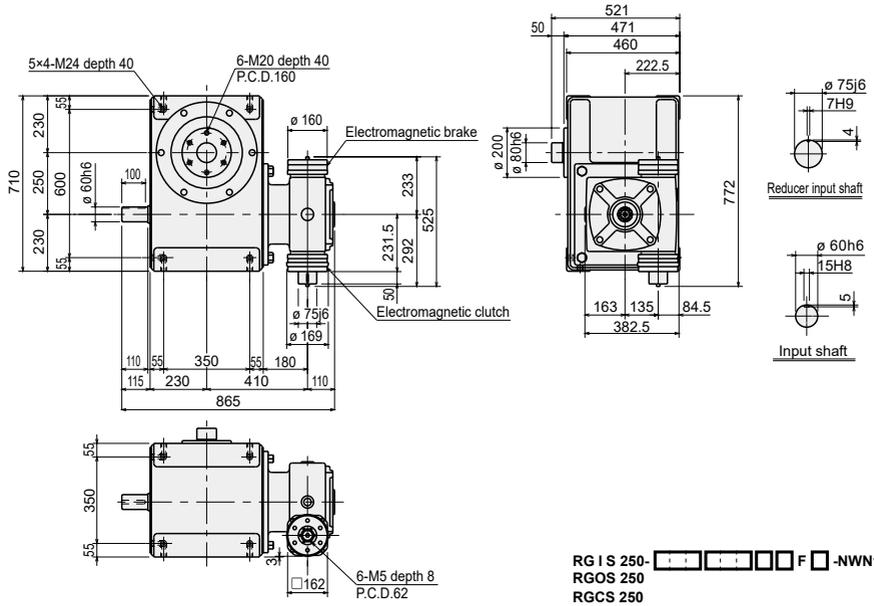
Flange shaft

Discontinue

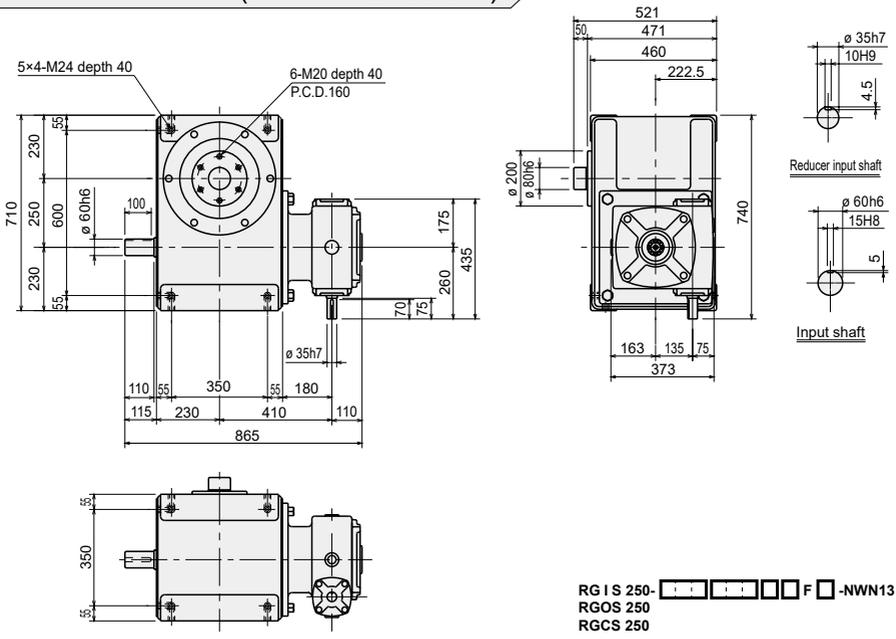
Index	RG I S 250
Oscillator	RGOS 250
Reducer	RGCS 250

● Dimensions with options

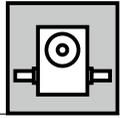
With worm reducer (with HO135-C/B)



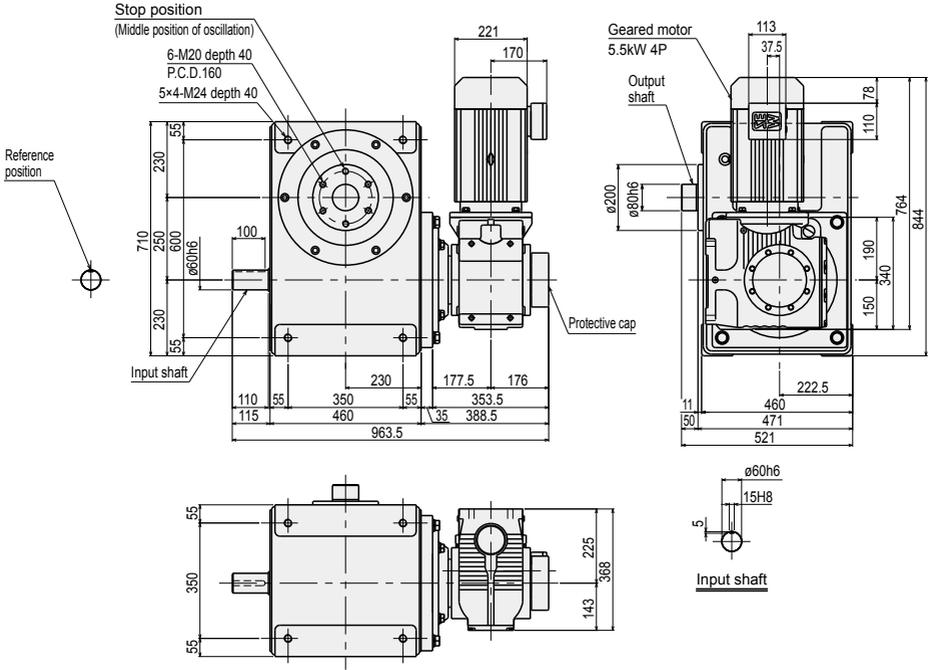
With worm reducer (without HO135-C/B)



Discontinue



With the hollow shaft geared motor (5.5 kW)



RG I S 250- F -NHNWPS F

RGOS 250

RGCS 250

Product specifications

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

Difference between shafts: **250** mm

Flange shaft

Discontinue

Index	RG I S 250
Oscillator	RGOS 250
Reducer	RGCS 250

● Dimensions with options



With the hollow shaft geared motor (7.5 kW)

Product specifications

Compact

Standard

Table

Wide angle

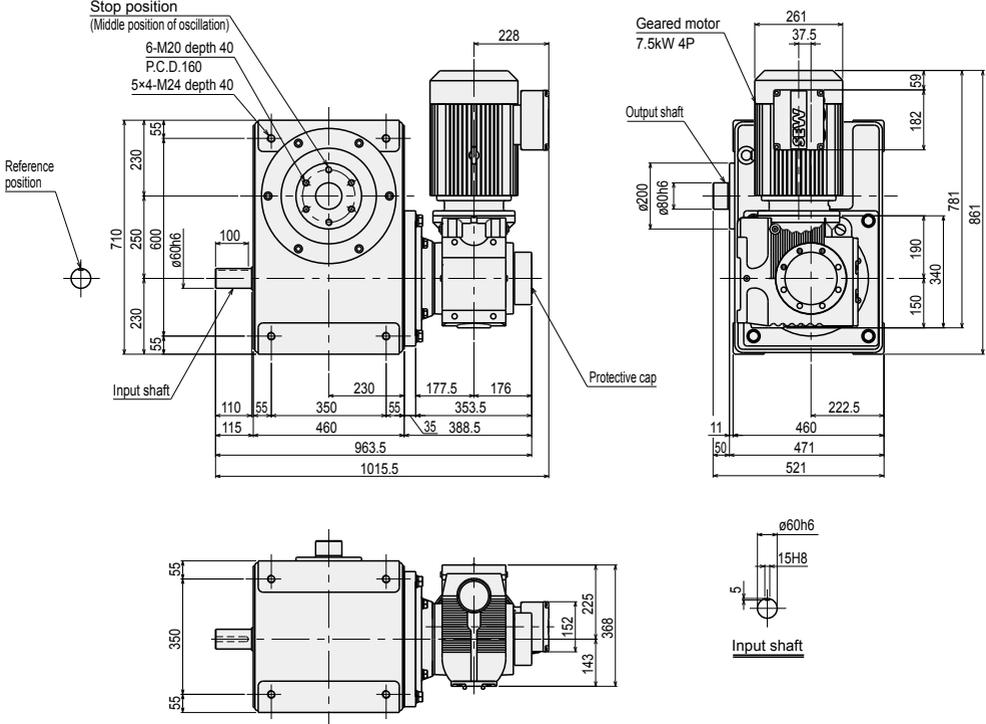
Basic

Parallel cam drive

Circular
Pics and
Parts drive

Option

Roller gear cam drive

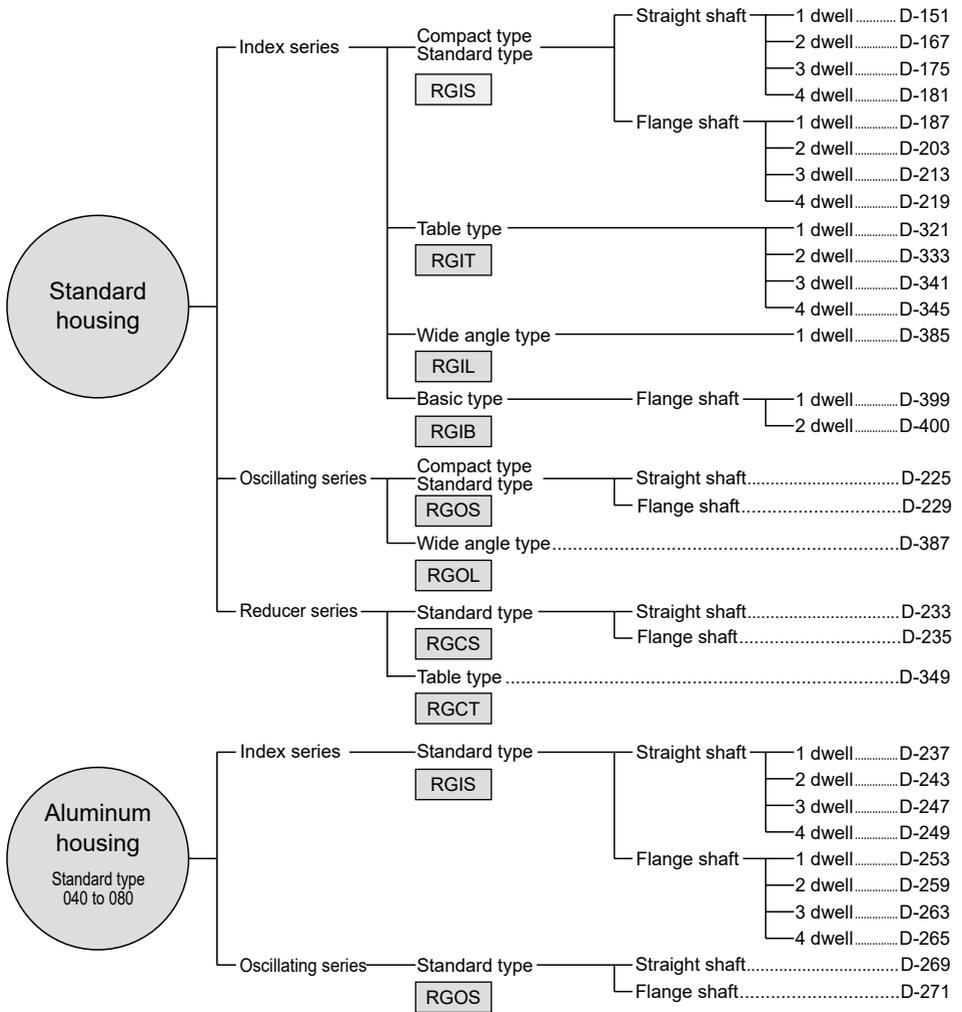


RG I S 250- [] [] [] [] [] F [] -NHNWQS [] F
 RGOS 250
 RGCS 250

Output torque table

● How to read a torque table

Product specifications	
Compact	Roller gear cam drive
Standard	Table
Wide angle	Table
Basic	Table
Parallel cam drive	
Linear	Circular
	Face and
	Plane drive
Option	

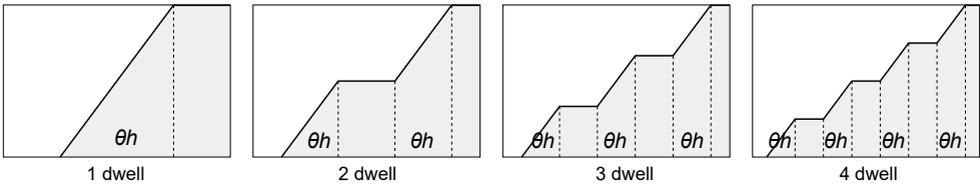


Discontinue

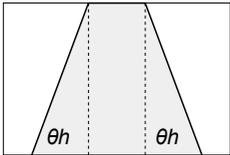
Caution

1. The output torque data is organized as in the table to the left.
2. The index angle is the total index angle of 1 rotation of the input shaft.
3. The data is based on the standard service life of 10,000 hours.

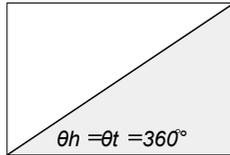
Index series



Oscillating series



Reducer Series



$$\theta_t = \theta_h \times z$$

θ_t : Total index angle
 θ_h : Index angle
 z : Dwell No.

How to read the output torque table

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
3	330	140	1640	939	889	763	682	624	556	470	414	334
		180	3030	1810	1710	1470	1310	1200	1060	890	770	590
		250	10400	4070	3850	3300	2940	2680	2370	1940	1630	
120	90	032	1.39	0.78	0.69	0.59	0.53	0.48	0.42	0.34		
		025	1.09	0.72	0.64	0.55	0.49	0.45	0.40	0.33	0.29	
		052	1.39	0.92	0.82	0.70	0.62	0.57	0.51	0.42	0.36	
150	120	025	1.49	0.83	0.75	0.64	0.57	0.52	0.46	0.39	0.34	
		032	2.70	1.52	1.37	1.17	1.04	0.95	0.85	0.71	0.61	
		040	10.2	6.66	5.99	5.11	4.57	4.18	3.72	3.14	2.75	2.20
150	150	050	12.8	8.90	8.45	8.14	7.91	7.74	7.50	6.30	5.45	4.13
		063	65.4	35.4	31.8	27.1	24.2	22.1	20.0	16.2	13.9	10.0
		080	152	68.1	61.2	52.2	46.1	41.8	38.2	31.4	26.7	18.1
150	150	140	331	193	173	147	131	120	106	89	77	59
		180	3030	1810	1710	1470	1310	1200	1060	890	770	590
		250	10400	4070	3850	3300	2940	2680	2370	1940	1630	

- Static rated output torque (N·m)
- Size: C which represents the shaft interval
- Total index angle θ_t (°)
- Index number n
- Input shaft rotational speed N (rpm)
- Dynamic rated output torque T_r (N·m)

Product specifications

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

Output torque table

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						30	60	90	120	150	200	300	400	600	
Roller gear cam drive	Compact	150	025	1.09	0.56	0.49	0.42	0.38	0.34	0.30	0.25				
			032	1.99	1.02	0.9	0.77	0.68	0.62	0.55					
		180	025	1.09	0.63	0.56	0.48	0.43	0.39	0.35	0.29	0.25			
			032	2.69	1.56	1.39	1.19	1.06	0.97	0.86	0.73				
		210	025	1.09	0.69	0.62	0.53	0.47	0.43	0.38	0.32	0.28			
			032	2.69	1.70	1.53	1.30	1.16	1.07	0.95	0.80	0.71			
		240	025	1.09	0.73	0.66	0.57	0.51	0.46	0.41	0.35	0.31			
			032	2.69	1.81	1.64	1.40	1.25	1.15	1.02	0.87	0.77			
		Standard	270	025	1.09	0.76	0.70	0.60	0.53	0.49	0.44	0.37	0.33		
				032	2.69	1.89	1.74	1.48	1.33	1.21	1.08	0.92	0.82		
				040	10.9	6.64	6.45	6.21	6.05	5.93	5.77	4.92	4.37	3.63	
				050	19.9	12.3	12.0	11.5	11.2	11.0	10.7	10.2	9.4	7.7	
	063			85.1	44.2	40.6	34.6	30.9	28.3	25.2	21.2	18.6	14.7		
	080			164	100	97	89	80	73	65	55	48	38		
	Table		110	359	220	211	180	161	147	130	109	94			
			140	950	444	407	347	309	282	248	203	168			
			180	2860	1110	1020	870	770	700	610	490				
			250	5840	2620	2400	2040	1800	1620	1400					
			Wide angle	300	025	2.13	1.19	1.10	0.94	0.84	0.77	0.69	0.58	0.52	
					032	4.77	2.69	2.49	2.13	1.90	1.74	1.55	1.32	1.17	
	040	30.6			16.1	14.9	12.7	11.4	10.4	9.3	7.9	7.1	5.9		
	050	50.1			28.1	26.1	22.3	19.9	18.2	16.3	13.8	12.2	10.1		
	063	85.1			47.0	43.6	37.2	33.3	30.4	27.1	22.9	20.2	16.3		
	080	242			140	130	111	99	91	81	68	60	49		
Basic	330	110	591	286	265	226	202	184	164	138	120	93			
		140	1160	598	555	473	422	385	342	284	242				
		180	3030	1430	1330	1130	1010	920	810	660					
		250	10400	3260	3010	2560	2270	2060	1790						
		025	2.13	1.25	1.17	1.00	0.90	0.82	0.73	0.62	0.55				
		032	4.77	2.83	2.65	2.26	2.02	1.85	1.65	1.41	1.25				
Parallel cam drive	330	040	30.6	17.0	15.9	13.5	12.1	11.1	9.9	8.4	7.5	6.3			
		050	50.1	29.6	27.7	23.6	21.1	19.4	17.3	14.7	13.0	10.9			
		063	119	56.6	52.9	45.2	40.3	36.9	33.0	27.9	24.7	20.3			
		080	242	148	138	118	105	96	86	73	65	53			
		110	591	301	281	240	214	196	175	147	129	102			
		140	1160	631	590	503	449	411	365	305	263				
		180	3030	1510	1410	1210	1070	980	870	710	600				
		250	10400	3430	3200	2720	2420	2200	1920	1530					
Option	Linear	120	025	1.09	0.62	0.55	0.47	0.42	0.38	0.34	0.28	0.24			
			032	2.69	1.54	1.37	1.16	1.04	0.95	0.84	0.70				
		150	025	1.09	0.71	0.63	0.54	0.48	0.44	0.39	0.33	0.29			
			032	2.69	1.75	1.56	1.33	1.19	1.09	0.97	0.82	0.71			
		Pike and Phase drive	150	025	1.09	0.76	0.69	0.59	0.52	0.48	0.43	0.36	0.32		
				032	2.69	1.89	1.71	1.46	1.30	1.19	1.06	0.90	0.79		
	040			10.9	6.64	6.33	6.10	5.94	5.81	5.65	4.81	4.25	3.48		
	050			19.9	12.3	11.7	11.3	11.0	10.8	10.4	9.9	9.1	7.2		
	063			85.1	44.2	39.8	34.0	30.3	27.7	24.6	20.6	17.8	13.5		
	080			164	100	96	87	78	71	63	53	46	36		
	180		110	359	220	207	177	157	144	127	105	88			
			140	950	444	400	340	302	275	241	192	152			
			180	2860	1110	1000	850	750	680	590	450				
			250	5840	2620	2350	1990	1750	1560	1310					

Discontinue

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
3	210	025	2.13	1.22	1.12	0.95	0.85	0.78	0.70	0.59	0.52	
		032	4.77	2.76	2.53	2.16	1.93	1.76	1.57	1.33	1.18	
		040	10.9	7.27	7.03	6.77	6.60	6.46	6.29	5.37	4.76	3.96
		050	50.1	28.9	26.4	22.5	20.1	18.4	16.4	13.9	12.3	10.1
		063	85.1	48.3	44.2	37.7	33.7	30.8	27.4	23.1	20.2	16.0
		080	242	144	132	112	100	92	82	69	61	49
		110	591	293	268	229	204	187	166	138	119	89
		140	1160	615	562	479	427	390	344	283	238	
	180	2860	1220	1110	950	840	760	670	530			
	250	5840	2870	2620	2220	1960	1770	1520				
	240	025	2.13	1.31	1.22	1.04	0.93	0.85	0.76	0.64	0.57	
		032	4.77	2.97	2.75	2.34	2.09	1.92	1.71	1.45	1.29	
		040	30.6	17.7	16.4	14.0	12.5	11.5	10.2	8.7	7.8	6.5
		050	50.1	30.9	28.6	24.4	21.8	20.0	17.8	15.2	13.4	11.1
		063	85.1	51.8	48.0	40.9	36.6	33.5	29.8	25.2	22.2	18.0
		080	242	154	143	122	109	100	89	75	66	54
		110	591	314	291	248	222	203	180	152	132	103
		140	1160	660	611	521	465	424	376	313	268	208
	180	3030	1580	1460	1250	1110	1010	890	730	610		
	250	10400	3580	3310	2810	2490	2260	1970	1530			
	270	025	2.13	1.39	1.30	1.11	0.99	0.91	0.81	0.69	0.61	
		032	7.41	4.87	4.56	3.89	3.48	3.19	2.85	2.42	2.16	
		040	41.6	26.1	24.4	20.8	18.6	17.1	15.3	13.0	11.6	9.8
		050	50.1	32.6	30.5	26.0	23.3	21.3	19.0	16.2	14.4	12.0
		063	85.1	54.7	51.1	43.7	39.0	35.7	31.9	27.0	23.9	19.6
		080	242	163	152	130	116	106	95	81	71	59
		110	591	332	310	265	236	216	193	163	143	114
		140	1160	697	652	556	496	454	403	338	293	224
180	3030	1670	1560	1330	1190	1080	960	790	670			
250	10400	3770	3530	3000	2670	2430	2130	1700				
300	025	2.89	1.97	1.86	1.59	1.42	1.30	1.16	0.99	0.88		
	032	7.41	5.09	4.81	4.11	3.67	3.36	3.00	2.56	2.28		
	040	41.6	27.2	25.7	22.0	19.6	18.0	16.1	13.7	12.2	10.4	
	050	67.0	45.2	42.7	36.4	32.6	29.8	26.7	22.7	20.2	17.0	
	063	119	65.0	61.4	52.4	46.9	42.9	38.3	32.5	28.9	24.0	
	080	262	207	204	174	156	143	127	108	96	80	
	110	738	451	426	364	325	298	265	225	199	163	
	140	1640	907	857	731	653	597	532	448	393	312	
180	3030	1740	1650	1400	1250	1140	1020	850	730			
250	10400	3930	3710	3160	2810	2560	2260	1830	1510			
330	025	2.89	2.04	1.93	1.66	1.48	1.36	1.21	1.04	0.92		
	032	7.41	5.27	4.99	4.29	3.83	3.51	3.14	2.68	2.38		
	040	41.6	28.2	26.7	22.9	20.5	18.8	16.8	14.3	12.8	10.8	
	050	67.0	46.7	44.2	38.0	33.9	31.1	27.8	23.7	21.1	17.8	
	063	129	106	106	97	87	80	71	61	54	45	
	080	262	214	212	182	162	149	133	113	101	85	
	110	738	467	442	379	339	310	277	235	208	172	
	140	1640	939	889	763	682	624	556	470	414	334	
180	3030	1810	1710	1470	1310	1200	1060	890	770	590		
250	10400	4070	3850	3300	2940	2680	2370	1940	1630			

Product specifications

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

Output torque table

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)										
						Input shaft rotational speed (rpm)										
						30	60	90	120	150	200	300	400	600		
Cam curve/MS	Roller gear cam drive	Compact	90	032	1.39	0.78	0.69	0.59	0.53	0.48	0.42	0.34				
				120	025	1.09	0.72	0.64	0.55	0.49	0.45	0.40	0.33	0.29		
					032	1.39	0.92	0.82	0.70	0.62	0.57	0.51	0.42	0.36		
					150	025	1.49	0.83	0.75	0.64	0.57	0.52	0.46	0.39	0.34	
						032	2.70	1.52	1.37	1.17	1.04	0.95	0.85	0.71	0.61	
		040	10.2	6.66		5.99	5.11	4.57	4.18	3.72	3.14	2.75	2.20			
		050	12.8	8.90		8.45	8.14	7.91	7.74	7.50	6.30	5.45	4.13			
		Standard	150	063	63.6	35.4	31.8	27.1	24.2	22.1	19.5	16.2	13.8	9.9		
				080	108	59.7	53.6	45.7	40.7	37.2	32.9	27.0	22.7	15.4		
				110	331	193	173	147	131	119	105	85	70	43		
	140			760	362	325	276	245	222	193	150	113				
	180			1490	769	689	583	514	462	393	280					
	Table		180	025	1.49	0.92	0.84	0.72	0.64	0.59	0.52	0.44	0.39			
				032	2.70	1.68	1.54	1.31	1.17	1.07	0.95	0.81	0.71			
				040	10.9	7.79	7.53	7.25	7.07	6.92	6.73	5.75	5.10	4.24		
				050	19.9	14.4	13.9	13.4	13.1	12.8	12.4	11.9	11.0	8.9		
				063	63.6	38.9	35.6	30.4	27.1	24.8	22.0	18.5	16.0	12.4		
	Wide angle	180	080	152	75.0	68.6	58.5	52.2	47.7	42.4	35.4	30.6	23.2			
			110	359	258	246	210	187	171	152	127	109	80			
			140	950	522	477	406	361	329	290	237	196				
			180	2100	1060	960	820	730	660	580	450	350				
			250	4150	2200	2000	1690	1490	1340	1130	800					
	Basic	210	025	2.13	1.41	1.31	1.12	1.00	0.91	0.82	0.69	0.62				
			032	4.77	3.18	2.95	2.52	2.25	2.06	1.84	1.56	1.39				
			040	17.9	13.9	13.6	13.1	12.8	12.3	11.0	9.4	8.3	7.0			
050			19.9	15.4	15.1	14.6	14.2	13.9	13.5	12.9	12.0	9.9				
063			63.6	41.7	38.7	33.0	29.4	27.0	24.0	20.3	17.8	14.2				
080			164	126	124	113	101	92	82	70	62	50				
110			359	277	268	228	204	186	166	139	121	94				
140			950	560	519	442	394	360	319	264	224	159				
180			2100	1130	1050	890	790	720	640	510	420					
250			4150	2350	2170	1840	1630	1470	1270	960						
Parallell cam drive	240	025	2.13	1.49	1.40	1.19	1.07	0.98	0.87	0.74	0.66					
		032	4.77	3.35	3.15	2.69	2.40	2.20	1.96	1.67	1.48					
		040	17.9	14.6	14.5	14.0	13.6	13.1	11.7	10.0	8.9	7.5				
		050	19.9	16.2	16.1	15.5	15.1	14.8	14.4	13.8	12.8	10.7				
		063	63.6	43.9	41.1	35.1	31.4	28.7	25.6	21.7	19.1	15.6				
		080	164	133	132	120	108	99	88	75	66	55				
		110	359	291	285	243	217	199	177	149	131	105				
		140	950	589	553	471	420	384	341	285	246	185				
		180	2100	1190	1120	950	850	770	680	560	470	310				
		250	5840	3450	3230	2750	2440	2220	1950	1560	1240					
Option	270	025	2.13	1.55	1.47	1.25	1.12	1.03	0.92	0.78	0.70					
		032	4.77	3.49	3.30	2.82	2.52	2.31	2.06	1.76	1.56					
		040	17.9	15.1	15.1	14.6	14.2	13.8	12.3	10.5	9.3	7.9				
		050	19.9	16.8	16.8	16.2	15.8	15.5	15.1	14.5	13.5	11.3				
		063	63.6	45.5	43.1	36.8	32.9	30.2	26.9	22.8	20.2	16.7				
		080	164	138	138	126	113	103	92	78	70	58				
		110	591	367	348	297	265	243	217	183	162	132				
		140	1160	775	733	626	559	512	456	384	335	265				
		180	2860	1530	1450	1240	1100	1010	900	740	640	470				
		250	5840	3580	3390	2890	2570	2340	2060	1680	1380					

Discontinue

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
4	300	025	2.13	1.60	1.51	1.31	1.17	1.07	0.96	0.81	0.73	
		032	4.77	3.59	3.40	2.94	2.63	2.41	2.15	1.83	1.63	
		040	30.6	21.3	20.2	17.4	15.6	14.3	12.8	10.9	9.7	8.2
		050	50.1	37.1	35.1	30.3	27.1	24.8	22.2	18.9	16.8	14.2
		063	85.1	62.3	59.0	50.9	45.5	41.7	37.2	31.7	28.1	23.5
		080	164	142	142	131	117	108	96	82	73	61
		110	591	378	358	309	276	253	225	191	169	139
		140	1160	798	755	652	582	533	475	401	352	283
		180	2860	1580	1490	1290	1150	1050	930	780	680	510
	250	5840	3680	3480	3000	2670	2440	2160	1770	1490		
	330	025	2.13	1.64	1.55	1.35	1.21	1.11	0.99	0.84	0.75	
		032	4.77	3.68	3.48	3.03	2.71	2.48	2.22	1.89	1.69	
		040	30.6	21.8	20.7	18.0	16.1	14.7	13.2	11.2	10.0	8.5
		050	50.1	37.9	35.9	31.2	27.9	25.6	22.8	19.5	17.4	14.7
		063	85.1	63.8	60.4	52.5	47.0	43.0	38.4	32.7	29.1	24.4
		080	164	145	145	135	121	111	99	84	75	63
		110	591	386	366	318	284	261	233	197	175	145
		140	1160	817	773	673	601	550	490	415	366	298
180		2860	1620	1530	1330	1190	1090	970	810	710	550	
250	5840	3760	3560	3100	2760	2520	2230	1850	1570	1120		
5	120	040	7.19	4.92	4.38	3.74	3.33	3.05	2.71	2.27	1.96	1.49
		050	13.1	8.32	7.40	6.30	5.61	5.12	4.52	3.70	3.09	2.01
		063	16.4	11.2	10.5	10.1	9.8	9.5	9.1	7.3	5.8	2.9
		080	80.0	45.0	40.0	34.0	30.3	27.5	24.2	19.4	15.6	8.3
		110	200	94.1	83.6	71.0	62.8	56.8	49.1	37.3	26.7	
		140	420	245	217	184	162	146	124	89	55	
		180	976	465	411	345	299	263	211	112		
		250	2870	1330	1170	970	830	710	530			
		150	032	1.89	1.20	1.09	0.93	0.83	0.76	0.67	0.56	0.49
	040		7.19	5.45	4.95	4.23	3.77	3.45	3.08	2.60	2.28	1.83
	050		12.8	9.87	9.46	9.11	8.87	8.68	8.42	7.12	6.21	4.88
	063		25.3	18.5	17.8	17.1	16.6	16.2	15.7	14.8	13.3	9.9
	080		108	67.1	60.9	51.9	46.3	42.3	37.5	31.2	26.7	19.4
	110		225	165	158	145	129	117	104	85	71	47
	140		462	335	317	270	240	218	191	151	118	54
	180		976	524	474	400	352	316	267	184		
	250		2870	1490	1350	1130	990	870	710	420		
	180	032	2.70	1.86	1.71	1.46	1.31	1.20	1.07	0.90	0.79	
		040	10.2	7.93	7.32	6.25	5.58	5.11	4.56	3.87	3.43	2.85
		050	12.8	10.5	10.3	9.9	9.6	9.4	9.2	7.8	6.9	5.6
		063	25.3	20.0	19.5	18.8	18.3	17.9	17.3	16.5	15.1	11.8
		080	108	72.4	66.8	57.0	50.9	46.6	41.4	34.8	30.3	23.5
		110	225	178	174	159	142	129	115	96	82	61
		140	462	362	349	297	265	241	213	174	144	90
		180	1220	739	681	579	513	465	405	315	237	
		250	3910	1990	1830	1550	1370	1230	1050	760	480	
		210	032	2.70	1.96	1.84	1.57	1.40	1.28	1.14	0.97	0.86
040			14.8	8.30	7.77	6.63	5.93	5.43	4.85	4.12	3.66	3.07
050			12.8	11.0	10.9	10.5	10.2	10.0	9.7	8.3	7.3	6.1
063			63.6	45.2	42.3	36.1	32.2	29.5	26.3	22.3	19.6	15.9
080			152	87.1	81.5	69.6	62.1	56.9	50.7	42.8	37.6	30.3
110			331	246	230	196	175	160	143	120	104	82
140			462	382	374	318	284	259	230	190	161	114
180			1490	987	923	786	699	637	561	455	373	223
250			4150	2540	2370	2020	1790	1620	1410	1100	830	

Product specifications

Roller gear cam drive	Wide angle	Table	Standard	Compact
	Basic	Parallel cam drive	Option	Peak and Phase drive Linear Circular

Output torque table

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						30	60	90	120	150	200	300	400	600
Roller gear cam drive	Compact	5	240	025	1.49	1.12	1.06	0.90	0.81	0.74	0.66	0.56	0.50	
				032	2.70	2.04	1.93	1.65	1.47	1.35	1.20	1.02	0.91	
				040	10.9	9.39	9.39	9.06	8.83	8.65	8.43	7.21	6.43	5.43
				050	37.9	26.6	25.1	21.5	19.2	17.6	15.7	13.4	11.9	9.9
				063	63.6	46.9	44.4	37.9	33.9	31.0	27.7	23.5	20.8	17.1
				080	152	90.4	85.6	73.1	65.3	59.8	53.3	45.2	39.9	32.7
				110	331	255	241	206	184	168	150	127	111	89
				140	760	483	457	391	348	319	283	237	205	155
				180	1490	1030	970	830	740	670	590	490	410	280
				250	4150	2640	2490	2120	1890	1720	1500	1200	960	
	Standard	5	270	025	1.49	1.15	1.09	0.94	0.84	0.77	0.69	0.59	0.52	
				032	3.66	2.84	2.69	2.32	2.08	1.90	1.70	1.45	1.29	
				040	10.9	9.65	9.65	9.41	9.17	8.99	8.75	7.50	6.69	5.67
				050	37.9	27.3	25.8	22.3	19.9	18.3	16.3	13.9	12.4	10.4
				063	63.6	48.2	45.6	39.4	35.2	32.2	28.8	24.4	21.7	18.0
				080	152	92.9	88.0	76.0	67.9	62.2	55.5	47.1	41.7	34.5
				110	359	319	315	272	243	223	199	168	149	122
				140	760	497	471	406	362	332	295	248	216	169
				180	1490	1050	1000	860	770	700	620	520	440	320
				250	4150	2710	2560	2200	1960	1790	1580	1280	1050	640
	Table	5	300	025	1.49	1.18	1.11	0.97	0.87	0.80	0.71	0.61	0.54	
				032	3.66	2.90	2.75	2.40	2.14	1.96	1.75	1.49	1.33	
				040	10.9	9.85	9.85	9.70	9.45	9.26	9.02	7.73	6.90	5.85
				050	37.9	27.8	26.3	23.0	20.5	18.8	16.8	14.3	12.8	10.8
				063	63.6	49.2	46.5	40.6	36.2	33.2	29.6	25.2	22.4	18.7
080				152	94.9	89.8	78.3	69.9	64.1	57.2	48.6	43.1	35.9	
110				359	326	322	281	251	230	205	174	154	128	
140				760	508	481	419	374	342	305	257	225	180	
180				1490	1080	1020	890	790	720	640	540	460	350	
250				4150	2760	2610	2270	2020	1850	1630	1340	1120	750	
Wide angle	5	330	025	1.49	1.20	1.13	1.00	0.89	0.82	0.73	0.62	0.55		
			032	3.66	2.95	2.79	2.46	2.20	2.01	1.80	1.53	1.37		
			040	10.9	10.0	10.0	9.9	9.7	9.5	9.2	7.9	7.1	6.0	
			050	37.9	28.3	26.7	23.5	21.0	19.3	17.2	14.7	13.1	11.1	
			063	63.6	49.9	47.3	41.6	37.1	34.0	30.4	25.9	23.0	19.3	
			080	152	96.4	91.2	80.2	71.7	65.7	58.6	49.9	44.3	37.1	
			110	359	331	327	287	257	235	210	179	158	132	
			140	760	516	488	429	383	351	313	264	233	188	
			180	1490	1090	1040	910	810	740	660	550	480	370	
			250	4150	2800	2650	2330	2080	1900	1680	1390	1180	840	
Basic	6	60	025	1.09	0.60	0.53	0.45	0.40	0.37	0.32	0.26	0.21		
			032	2.69	1.49	1.32	1.13	1.00	0.91	0.80	0.66			
		90	025	1.09	0.75	0.67	0.57	0.51	0.46	0.41	0.35	0.30		
			032	2.69	1.86	1.65	1.41	1.26	1.15	1.02	0.86	0.75		
			040	10.9	6.53	6.13	5.91	5.75	5.62	5.45	4.61	4.01	3.13	
			050	19.9	12.1	11.4	10.9	10.6	10.4	10.0	9.4	8.4	6.1	
			063	85.1	43.4	38.6	32.9	29.3	26.7	23.5	19.2	16.0	10.2	
			080	164	98.7	92.6	84.6	75.4	68.8	60.8	50.0	41.9	28.0	
			110	591	264	234	199	177	161	141	111	87		
			140	950	436	386	327	289	261	223	163	107		
180	2860	1090	970	810	710	640	530	350						
250	5840	2570	2270	1890	1630	1420	1100							
Option	6	60	025	1.09	0.60	0.53	0.45	0.40	0.37	0.32	0.26	0.21		
			032	2.69	1.49	1.32	1.13	1.00	0.91	0.80	0.66			
			040	10.9	6.53	6.13	5.91	5.75	5.62	5.45	4.61	4.01	3.13	
			050	19.9	12.1	11.4	10.9	10.6	10.4	10.0	9.4	8.4	6.1	
			063	85.1	43.4	38.6	32.9	29.3	26.7	23.5	19.2	16.0	10.2	
			080	164	98.7	92.6	84.6	75.4	68.8	60.8	50.0	41.9	28.0	
			110	591	264	234	199	177	161	141	111	87		
			140	950	436	386	327	289	261	223	163	107		
			180	2860	1090	970	810	710	640	530	350			
			250	5840	2570	2270	1890	1630	1420	1100				

Discontinue

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
6	120	025	2.89	1.78	1.60	1.36	1.22	1.11	0.99	0.84	0.74	
		032	7.41	4.61	4.14	3.53	3.16	2.89	2.58	2.18	1.92	
		040	41.6	24.7	22.2	18.9	16.9	15.5	13.8	11.8	10.4	8.7
		050	67.0	41.1	36.9	31.5	28.1	25.8	23.0	19.4	17.1	13.9
		063	119	59.1	53.0	45.2	40.4	36.9	32.8	27.5	23.9	18.3
		080	262	188	176	150	134	123	109	92	80	63
		110	738	410	368	314	280	255	226	188	160	115
		140	1640	822	737	628	559	509	449	366	301	
	180	4270	2210	1980	1680	1500	1360	1190	930	730		
	250	10400	3580	3200	2700	2380	2130	1800	1240			
	150	025	3.76	2.56	2.35	2.00	1.79	1.64	1.46	1.25	1.11	
		032	7.41	5.09	4.66	3.98	3.56	3.26	2.91	2.47	2.19	
		040	41.6	27.2	24.9	21.3	19.0	17.4	15.6	13.3	11.8	9.9
		050	67.0	45.2	41.4	35.3	31.5	28.9	25.8	21.9	19.4	16.1
		063	129	102	99	90	81	74	66	56	49	41
		080	262	207	198	169	151	138	123	104	92	75
		110	738	451	413	352	315	288	256	215	187	146
		140	1640	907	830	708	631	577	511	425	364	265
	180	4270	2440	2230	1900	1690	1540	1360	1110	920		
	250	10400	3930	3590	3050	2700	2450	2120	1620	1180		
	180	025	3.76	2.73	2.55	2.17	1.94	1.78	1.59	1.35	1.21	
		032	7.41	5.42	5.05	4.31	3.85	3.53	3.15	2.68	2.39	
		040	41.6	28.9	26.9	23.0	20.6	18.8	16.8	14.3	12.8	10.8
		050	67.0	47.9	44.6	38.1	34.0	31.2	27.9	23.7	21.1	17.7
		063	129	109	107	98	87	80	71	61	54	45
		080	431	268	249	213	190	174	155	132	117	97
		110	903	606	564	482	430	394	351	297	262	212
		140	2230	1190	1110	950	850	770	690	580	500	390
180	4270	2590	2410	2060	1830	1680	1490	1230	1050	760		
250	10400	4180	3880	3300	2930	2670	2340	1870	1480			
210	025	3.76	2.86	2.70	2.30	2.06	1.88	1.68	1.44	1.28		
	032	7.41	5.66	5.34	4.56	4.08	3.74	3.34	2.84	2.53		
	040	41.6	30.1	28.5	24.3	21.7	19.9	17.8	15.2	13.5	11.5	
	050	67.0	49.9	47.1	40.2	35.9	32.9	29.4	25.1	22.3	18.8	
	063	129	113	113	103	92	84	75	64	57	48	
	080	431	279	263	225	201	184	164	140	124	104	
	110	903	631	596	508	454	416	371	315	279	230	
	140	2230	1240	1170	1000	890	820	730	620	540	440	
180	4270	2700	2550	2180	1940	1780	1580	1320	1150	880		
250	10400	4340	4100	3490	3110	2830	2500	2040	1680			
240	025	3.76	2.94	2.79	2.40	2.15	1.97	1.76	1.50	1.34		
	032	7.41	5.83	5.52	4.75	4.25	3.89	3.48	2.97	2.64		
	040	41.6	31.0	29.4	25.3	22.6	20.7	18.5	15.8	14.1	12.0	
	050	67.0	51.3	48.5	41.8	37.4	34.3	30.6	26.1	23.3	19.7	
	063	129	116	116	107	96	88	79	67	60	50	
	080	431	287	271	234	209	192	171	146	130	109	
	110	903	649	614	529	473	433	387	329	292	243	
	140	2230	1280	1210	1040	930	850	760	650	570	470	
180	4270	2780	2630	2270	2020	1850	1650	1390	1210	960		
250	10400	4470	4230	3630	3240	2960	2620	2160	1830	1270		

Product specifications

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

Output torque table

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						30	60	90	120	150	200	300	400	600	
Roller gear cam drive	Compact	6	270	025	3.76	3.01	2.85	2.48	2.22	2.03	1.82	1.55	1.38		
				032	7.41	5.95	5.64	4.91	4.39	4.02	3.59	3.06	2.73		
				040	41.6	31.7	30.0	26.1	23.3	21.4	19.1	16.3	14.6	12.4	
				050	67.0	52.3	49.5	43.1	38.5	35.3	31.6	26.9	24.0	20.4	
				063	129	119	119	111	99	91	81	69	62	52	
				080	431	293	277	241	216	198	177	150	134	113	
				110	1270	825	781	680	608	557	497	423	376	316	
				140	2230	1310	1240	1080	960	880	790	670	590	490	
				180	4270	2840	2690	2340	2090	1910	1710	1440	1270	1020	
				250	10400	4560	4310	3750	3340	3060	2710	2260	1930	1420	
	Standard	6	300	025	3.76	3.06	2.90	2.55	2.28	2.09	1.86	1.59	1.42		
				032	7.41	6.05	5.73	5.04	4.50	4.12	3.69	3.14	2.81		
				040	41.6	32.1	30.4	26.8	23.9	21.9	19.6	16.7	14.9	12.7	
				050	67.0	53.1	50.2	44.2	39.5	36.2	32.3	27.6	24.6	20.9	
				063	129	120	120	113	101	93	83	71	63	54	
				080	431	297	281	247	221	203	181	154	138	116	
				110	1270	838	793	697	623	571	510	434	386	325	
				140	2230	1330	1260	1110	990	900	810	690	610	510	
				180	4270	2890	2730	2400	2140	1960	1750	1480	1310	1070	
				250	10400	4620	4380	3840	3430	3140	2790	2330	2020	1530	
	Table	6	330	025	3.76	3.10	2.93	2.60	2.32	2.13	1.90	1.62	1.45		
				032	7.41	6.12	5.80	5.13	4.59	4.21	3.76	3.21	2.87		
				040	41.6	32.5	30.8	27.3	24.4	22.4	20.0	17.1	15.2	13.0	
				050	67.0	53.7	50.8	45.0	40.3	36.9	33.0	28.1	25.1	21.4	
				063	129	122	122	116	103	95	85	72	65	55	
080				431	301	285	252	226	207	185	157	140	119		
110				1270	847	802	710	636	583	520	443	395	333		
140				2230	1340	1270	1130	1010	920	820	700	620	520		
180				4270	2920	2760	2450	2190	2000	1790	1520	1340	1100		
250				10400	4680	4420	3910	3500	3200	2850	2390	2080	1620		
Wide angle	6	330	025	3.76	3.10	2.93	2.60	2.32	2.13	1.90	1.62	1.45			
			032	7.41	6.12	5.80	5.13	4.59	4.21	3.76	3.21	2.87			
			040	41.6	32.5	30.8	27.3	24.4	22.4	20.0	17.1	15.2	13.0		
			050	67.0	53.7	50.8	45.0	40.3	36.9	33.0	28.1	25.1	21.4		
			063	129	122	122	116	103	95	85	72	65	55		
			080	431	301	285	252	226	207	185	157	140	119		
			110	1270	847	802	710	636	583	520	443	395	333		
			140	2230	1340	1270	1130	1010	920	820	700	620	520		
			180	4270	2920	2760	2450	2190	2000	1790	1520	1340	1100		
			250	10400	4680	4420	3910	3500	3200	2850	2390	2080	1620		
Basic	6	330	025	3.76	3.10	2.93	2.60	2.32	2.13	1.90	1.62	1.45			
			032	7.41	6.12	5.80	5.13	4.59	4.21	3.76	3.21	2.87			
			040	41.6	32.5	30.8	27.3	24.4	22.4	20.0	17.1	15.2	13.0		
			050	67.0	53.7	50.8	45.0	40.3	36.9	33.0	28.1	25.1	21.4		
			063	129	122	122	116	103	95	85	72	65	55		
			080	431	301	285	252	226	207	185	157	140	119		
			110	1270	847	802	710	636	583	520	443	395	333		
			140	2230	1340	1270	1130	1010	920	820	700	620	520		
			180	4270	2920	2760	2450	2190	2000	1790	1520	1340	1100		
			250	10400	4680	4420	3910	3500	3200	2850	2390	2080	1620		
Parallel cam drive	8	45	032	1.39	0.76	0.67	0.57	0.50	0.46	0.39	0.30				
			60	032	1.39	0.89	0.79	0.68	0.60	0.55	0.48	0.39	0.32		
	8	90	025	2.13	1.31	1.16	0.99	0.89	0.81	0.72	0.61	0.53			
			032	4.77	2.95	2.63	2.24	2.00	1.83	1.63	1.37	1.19			
			040	10.9	7.77	7.29	7.03	6.84	6.70	6.51	5.52	4.86	3.92		
			050	50.1	30.8	27.4	23.4	20.8	19.1	17.0	14.2	12.4	9.6		
			063	85.1	51.6	45.9	39.1	34.9	31.8	28.2	23.4	20.0	14.4		
			080	164	117	110	101	90	82	73	61	52	38		
			110	359	257	239	203	181	165	145	117	96	57		
			140	950	520	461	392	347	315	273	211	157			
Option	120	180	2100	1050	930	790	690	620	530	370	220				
		250	4150	2180	1930	1610	1400	1220	970	480					
		025	2.13	1.49	1.35	1.16	1.03	0.95	0.84	0.71	0.63				
		032	4.77	3.35	3.05	2.60	2.33	2.13	1.90	1.61	1.42				
		040	30.6	20.0	18.2	15.5	13.9	12.7	11.3	9.6	8.6	7.2			
		050	50.1	34.7	31.6	27.0	24.1	22.0	19.7	16.7	14.7	12.0			
		063	85.1	58.3	53.0	45.2	40.4	37.0	32.9	27.7	24.2	19.2			
		080	242	174	158	135	120	110	98	83	73	58			
Option	120	110	591	354	322	274	245	224	198	165	142	105			
		140	1160	745	677	577	514	469	414	340	285	189			
		180	2100	1190	1080	920	820	740	650	510	390				
		250	4150	2470	2230	1890	1660	1490	1270	890	520				

Discontinue

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
8	150	025	2.13	1.60	1.48	1.27	1.13	1.04	0.93	0.79	0.70	
		032	4.77	3.59	3.34	2.85	2.54	2.33	2.08	1.77	1.57	
		040	30.6	21.3	19.8	16.9	15.1	13.8	12.4	10.5	9.4	7.9
		050	50.1	37.1	34.4	29.4	26.2	24.0	21.4	18.2	16.2	13.5
		063	85.1	62.3	57.8	49.4	44.1	40.4	36.0	30.5	26.9	22.0
		080	242	186	172	147	131	120	107	91	80	66
		110	591	378	351	299	267	244	217	183	160	126
		140	1160	798	740	631	563	514	457	381	328	246
	180	2860	1580	1460	1250	1110	1010	890	730	610	390	
	250	5840	3680	3410	2900	2570	2340	2040	1600	1240		
	180	025	2.13	1.67	1.57	1.34	1.20	1.10	0.98	0.84	0.74	
		032	4.77	3.75	3.54	3.02	2.70	2.47	2.21	1.88	1.67	
		040	30.6	22.2	21.0	17.9	16.0	14.7	13.1	11.2	10.0	8.4
		050	50.1	38.5	36.4	31.0	27.7	25.4	22.7	19.3	17.2	14.4
		063	85.1	64.9	61.2	52.2	46.7	42.8	38.2	32.4	28.7	23.9
		080	242	194	183	156	139	128	114	97	86	71
		110	738	513	484	413	369	338	301	255	225	184
		140	1640	1040	980	830	740	680	610	510	450	350
	180	2860	1640	1550	1320	1180	1080	950	790	680	490	
	250	5840	3830	3610	3070	2730	2490	2190	1780	1450	860	
	210	025	2.13	1.72	1.63	1.40	1.25	1.15	1.03	0.87	0.78	
		032	4.77	3.85	3.65	3.14	2.81	2.58	2.30	1.96	1.75	
		040	30.6	22.8	21.6	18.6	16.6	15.3	13.6	11.6	10.4	8.8
		050	50.1	39.5	37.4	32.3	28.8	26.4	23.6	20.1	17.9	15.1
		063	85.1	66.6	63.0	54.4	48.6	44.5	39.7	33.8	30.0	25.1
		080	242	199	188	162	145	133	119	101	90	75
		110	738	527	498	430	384	352	314	266	236	196
		140	1640	1060	1010	870	780	710	630	540	470	380
180	2860	1690	1600	1380	1230	1120	1000	840	730	560		
250	5840	3930	3720	3200	2850	2600	2300	1890	1590	1080		
240	025	2.13	1.75	1.66	1.45	1.29	1.18	1.06	0.90	0.80		
	032	4.77	3.92	3.71	3.24	2.90	2.66	2.37	2.02	1.80		
	040	30.6	23.2	22.0	19.2	17.2	15.7	14.0	12.0	10.7	9.1	
	050	50.1	40.2	38.1	33.2	29.7	27.2	24.3	20.7	18.5	15.6	
	063	85.1	67.8	64.2	56.0	50.0	45.9	41.0	34.9	31.0	26.1	
	080	242	202	191	167	149	137	122	104	93	78	
	110	738	536	507	443	396	362	323	275	244	204	
	140	1640	1080	1030	900	800	730	650	550	490	400	
180	2860	1720	1630	1420	1270	1160	1030	870	760	600		
250	5840	4000	3780	3300	2940	2680	2380	1980	1690	1230		
270	025	2.13	1.77	1.68	1.48	1.32	1.21	1.08	0.92	0.83		
	032	4.77	3.97	3.76	3.32	2.97	2.72	2.43	2.07	1.85		
	040	30.6	23.5	22.3	19.6	17.6	16.1	14.4	12.3	11.0	9.3	
	050	50.1	40.7	38.5	34.0	30.4	27.8	24.9	21.2	18.9	16.0	
	063	85.1	68.6	65.0	57.3	51.2	46.9	41.9	35.7	31.8	26.9	
	080	262	249	246	217	194	178	159	136	121	102	
	110	738	542	513	453	405	371	331	282	251	210	
	140	1640	1100	1040	920	820	750	670	570	500	420	
180	2860	1740	1650	1450	1300	1190	1060	890	790	630		
250	5840	4040	3830	3370	3010	2750	2440	2040	1770	1340		

Product specifications

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

Output torque table

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						30	60	90	120	150	200	300	400	600	
Roller gear cam drive	Compact	8	300	025	2.89	2.43	2.30	2.03	1.83	1.68	1.50	1.28	1.14		
				032	4.77	4.01	3.80	3.36	3.02	2.77	2.48	2.11	1.89		
				040	30.6	23.7	22.5	19.9	17.9	16.4	14.6	12.5	11.2	9.5	
				050	50.1	41.1	38.9	34.4	30.9	28.4	25.3	21.6	19.3	16.4	
				063	85.1	69.2	65.5	58.0	52.2	47.8	42.7	36.4	32.5	27.5	
				080	262	252	249	220	198	181	162	138	123	105	
				110	738	547	518	459	412	378	337	287	256	215	
				140	1640	1110	1050	930	830	760	680	580	520	430	
				180	2860	1760	1660	1470	1320	1210	1080	910	810	660	
				250	5840	4080	3860	3420	3070	2810	2500	2100	1820	1420	
	Standard	8	330	025	2.89	2.44	2.31	2.05	1.86	1.70	1.52	1.30	1.16		
				032	4.77	4.04	3.83	3.39	3.07	2.82	2.52	2.15	1.92		
				040	30.6	23.9	22.6	20.0	18.2	16.6	14.9	12.7	11.3	9.7	
				050	50.1	41.3	39.1	34.6	31.4	28.8	25.7	21.9	19.6	16.7	
				063	85.1	69.7	66.0	58.4	53.0	48.6	43.4	37.0	33.0	28.0	
				080	262	253	250	222	201	184	165	140	125	106	
				110	738	551	522	462	419	384	343	292	260	220	
				140	1640	1120	1060	940	850	780	690	590	520	440	
				180	2860	1770	1680	1480	1340	1230	1100	930	820	680	
				250	5840	4110	3890	3440	3120	2850	2540	2140	1870	1480	
	Table	8	90	032	2.70	1.78	1.58	1.35	1.20	1.10	0.98	0.82	0.70		
				040	10.9	8.23	7.74	7.46	7.26	7.11	6.91	5.87	5.18	4.21	
				050	37.9	23.3	20.8	17.7	15.8	14.5	12.9	10.8	9.4	7.3	
				063	63.6	41.1	36.6	31.2	27.8	25.4	22.5	18.6	15.8	11.1	
				080	152	79.2	70.5	60.0	53.5	48.8	43.2	35.5	29.8	20.1	
110				331	224	199	169	151	137	121	97	79	46		
140				760	422	375	319	282	256	222	170	125			
180				1490	895	794	672	591	530	449	313	180			
250				4150	2310	2040	1720	1490	1320	1070	600				
Wide angle				8	120	025	1.49	1.08	0.99	0.85	0.75	0.69	0.62	0.52	0.46
	032	2.70	1.98			1.81	1.54	1.38	1.26	1.12	0.95	0.83			
	040	10.9	9.12			8.81	8.49	8.27	8.10	7.88	6.73	5.98	4.99		
	050	37.9	25.8			23.6	20.1	18.0	16.5	14.7	12.4	11.0	8.9		
	063	63.6	45.5			41.6	35.5	31.7	29.0	25.8	21.7	18.9	14.8		
	080	152	87.8			80.3	68.5	61.1	55.9	49.7	41.7	36.2	27.9		
	110	359	302			288	246	219	200	178	149	128	96		
	140	760	469			429	365	325	296	261	212	174	106		
	180	2100	1240			1130	960	860	780	680	540	420	200		
	250	4150	2560			2330	1980	1740	1570	1340	970	610			
Basic	8	150	025	2.13	1.65	1.54	1.31	1.17	1.07	0.96	0.81	0.72			
			032	3.66	2.84	2.65	2.26	2.02	1.85	1.65	1.40	1.25			
			040	10.9	9.65	9.51	9.17	8.93	8.75	8.52	7.29	6.49	5.46		
			050	37.9	27.3	25.4	21.7	19.4	17.8	15.9	13.5	12.0	9.9		
			063	85.1	64.1	59.7	51.0	45.5	41.7	37.2	31.5	27.9	22.9		
			080	164	146	144	131	117	108	96	81	72	59		
			110	359	319	311	265	237	217	193	163	142	113		
			140	950	649	605	516	460	420	373	311	268	199		
			180	2100	1310	1220	1040	930	850	750	610	510	330		
			250	5840	3780	3520	2990	2660	2420	2120	1680	1320	620		
Option	8	150	025	2.13	1.65	1.54	1.31	1.17	1.07	0.96	0.81	0.72			
			032	3.66	2.84	2.65	2.26	2.02	1.85	1.65	1.40	1.25			
			040	10.9	9.65	9.51	9.17	8.93	8.75	8.52	7.29	6.49	5.46		
			050	37.9	27.3	25.4	21.7	19.4	17.8	15.9	13.5	12.0	9.9		
			063	85.1	64.1	59.7	51.0	45.5	41.7	37.2	31.5	27.9	22.9		
			080	164	146	144	131	117	108	96	81	72	59		
			110	359	319	311	265	237	217	193	163	142	113		
			140	950	649	605	516	460	420	373	311	268	199		
			180	2100	1310	1220	1040	930	850	750	610	510	330		
			250	5840	3780	3520	2990	2660	2420	2120	1680	1320	620		

Discontinue

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
9	180	025	2.13	1.71	1.62	1.38	1.23	1.13	1.01	0.86	0.77	
		032	4.77	3.83	3.63	3.10	2.77	2.54	2.27	1.93	1.72	
		040	10.9	9.98	9.98	9.64	9.39	9.20	8.96	7.67	6.84	5.79
		050	51.5	39.3	37.2	31.8	28.4	26.1	23.3	19.8	17.6	14.9
		063	85.1	66.2	62.7	53.6	47.9	43.9	39.2	33.3	29.5	24.6
		080	164	151	151	138	124	113	101	86	76	64
		110	359	330	326	279	249	228	203	172	152	124
		140	950	671	635	543	485	443	395	332	289	226
	180	2860	1680	1590	1360	1210	1110	980	820	700	520	
	250	5840	3910	3690	3150	2810	2560	2250	1840	1520	940	
	210	025	2.13	1.75	1.65	1.43	1.28	1.17	1.05	0.89	0.80	
		032	4.77	3.92	3.71	3.21	2.87	2.63	2.35	2.00	1.79	
		040	30.6	23.2	21.9	19.0	17.0	15.6	13.9	11.9	10.6	9.0
		050	51.5	40.1	38.0	32.9	29.4	27.0	24.1	20.5	18.3	15.5
		063	85.1	67.6	64.0	55.5	49.6	45.5	40.6	34.5	30.7	25.8
		080	164	154	154	143	128	117	105	89	79	67
		110	359	337	333	289	258	236	211	179	158	130
		140	1160	868	822	712	636	582	519	439	386	313
	180	2860	1720	1620	1410	1260	1150	1020	860	750	580	
	250	5840	3990	3770	3270	2910	2660	2350	1940	1640	1140	
	240	025	2.13	1.77	1.68	1.47	1.32	1.21	1.08	0.92	0.82	
		032	4.77	3.97	3.76	3.30	2.95	2.70	2.42	2.06	1.84	
		040	30.6	23.5	22.3	19.5	17.5	16.0	14.3	12.2	10.9	9.3
		050	51.5	40.7	38.5	33.8	30.2	27.7	24.7	21.1	18.8	16.0
		063	85.1	68.6	65.0	57.0	50.9	46.7	41.7	35.5	31.6	26.6
		080	164	156	156	147	131	120	108	92	82	69
		110	359	341	338	296	265	242	216	184	163	136
		140	1160	881	834	731	653	598	534	453	400	329
180	2860	1740	1650	1450	1290	1180	1050	890	780	620		
250	5840	4040	3830	3350	2990	2730	2430	2020	1740	1280		
270	025	2.13	1.79	1.70	1.50	1.35	1.23	1.10	0.94	0.84		
	032	4.77	4.02	3.80	3.37	3.01	2.76	2.47	2.11	1.88		
	040	30.6	23.7	22.5	19.9	17.8	16.3	14.6	12.5	11.1	9.5	
	050	51.5	41.1	38.9	34.4	30.8	28.3	25.3	21.5	19.2	16.3	
	063	85.1	69.3	65.6	58.1	52.0	47.7	42.6	36.3	32.3	27.3	
	080	164	158	158	150	134	123	110	94	83	71	
	110	359	345	341	302	270	248	221	188	167	140	
	140	1160	890	843	746	667	611	546	463	411	341	
180	2860	1760	1670	1470	1320	1210	1080	910	800	650		
250	5840	4080	3860	3420	3060	2790	2480	2080	1800	1380		
300	025	2.13	1.81	1.71	1.51	1.37	1.25	1.12	0.96	0.85		
	032	4.77	4.05	3.83	3.39	3.07	2.81	2.51	2.14	1.91		
	040	30.6	23.9	22.7	20.1	18.1	16.6	14.8	12.7	11.3	9.6	
	050	51.5	41.4	39.2	34.7	31.4	28.7	25.7	21.9	19.6	16.6	
	063	85.1	69.8	66.1	58.5	52.9	48.5	43.3	36.9	32.9	27.9	
	080	164	159	159	151	136	125	112	95	85	72	
	110	591	423	400	354	320	293	262	223	199	167	
	140	1160	897	849	752	679	622	555	472	419	350	
180	2860	1770	1680	1490	1340	1230	1100	930	820	670		
250	5840	4110	3890	3440	3110	2840	2530	2130	1860	1460		

Product specifications

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

Output torque table

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						30	60	90	120	150	200	300	400	600	
Compact	Roller gear cam drive	9	330	025	2.13	1.82	1.72	1.52	1.39	1.27	1.14	0.97	0.87		
				032	4.77	4.07	3.85	3.41	3.11	2.85	2.55	2.17	1.94		
				040	30.6	24.1	22.8	20.2	18.4	16.9	15.1	12.9	11.5	9.8	
				050	51.5	41.6	39.4	34.9	31.8	29.1	26.0	22.2	19.8	16.9	
				063	85.1	70.2	66.4	58.8	53.6	49.2	43.9	37.4	33.4	28.3	
				080	164	160	160	152	138	127	113	97	86	73	
				110	591	425	402	356	325	298	266	226	202	170	
				140	1160	902	854	756	689	631	564	479	426	357	
				180	2860	1780	1690	1490	1360	1250	1110	940	840	690	
				250	5840	4130	3910	3460	3150	2890	2570	2170	1900	1520	
Standard	Roller gear cam drive	9	90	032	2.70	1.86	1.66	1.42	1.26	1.16	1.03	0.86	0.75		
				040	10.2	7.93	7.09	6.05	5.40	4.95	4.41	3.72	3.26	2.62	
				050	12.8	10.5	10.0	9.6	9.3	9.1	8.8	7.4	6.4	4.9	
				063	25.3	20.0	18.9	18.2	17.6	17.2	16.6	15.5	13.8	9.8	
				080	108	72.4	64.8	55.2	49.2	44.9	39.7	32.7	27.6	18.9	
				110	225	178	168	154	137	124	110	89	73	43	
				140	462	362	338	287	254	230	200	155	115		
				180	1220	739	658	556	489	438	369	253	138		
				250	3910	1990	1770	1480	1290	1140	920	510			
				Wide angle	Roller gear cam drive	10	120	025	1.49	1.12	1.03	0.88	0.78	0.72	0.64
032	2.70	2.04	1.87					1.60	1.43	1.31	1.16	0.98	0.87		
040	10.9	9.39	9.11					8.78	8.55	8.38	8.16	6.97	6.19	5.18	
050	37.9	26.6	24.4					20.8	18.6	17.0	15.2	12.9	11.4	9.3	
063	63.6	46.9	43.0					36.7	32.8	30.0	26.7	22.5	19.7	15.6	
080	152	90.4	83.0					70.8	63.2	57.8	51.4	43.2	37.6	29.4	
110	331	255	234					200	178	163	144	120	104	77	
140	760	483	444					378	336	307	271	221	184	117	
180	1490	1020	940					800	710	640	560	440	350	150	
250	4150	2630	2410					2040	1810	1630	1400	1030	690		
Basic	Roller gear cam drive	10	150	025	1.49	1.18	1.10	0.94	0.84	0.77	0.69	0.58	0.52		
				032	2.70	2.14	2.01	1.71	1.53	1.40	1.25	1.06	0.94		
				040	10.9	9.85	9.75	9.40	9.16	8.97	8.74	7.48	6.66	5.62	
				050	37.9	27.8	26.1	22.3	19.9	18.2	16.3	13.8	12.3	10.2	
				063	63.6	49.1	46.1	39.3	35.1	32.1	28.7	24.3	21.4	17.5	
				080	152	94.8	88.9	75.8	67.7	62.0	55.3	46.7	41.2	33.4	
				110	359	326	319	272	243	222	198	167	147	117	
				140	760	508	476	405	362	330	293	244	209	153	
				180	1490	1080	1010	860	760	700	610	500	410	260	
				250	4150	2760	2580	2190	1950	1770	1540	1210	940	380	
Option	Parallel cam drive	10	180	025	1.49	1.21	1.15	0.99	0.88	0.81	0.72	0.61	0.55		
				032	3.66	2.99	2.83	2.43	2.17	1.99	1.78	1.51	1.35		
				040	10.9	10.1	10.1	9.8	9.6	9.4	9.1	7.8	7.0	5.9	
				050	37.9	28.6	27.1	23.3	20.8	19.0	17.0	14.5	12.9	10.8	
				063	85.1	67.2	63.6	54.7	48.8	44.8	40.0	34.0	30.2	25.2	
				080	152	97.6	92.3	79.3	70.9	64.9	57.9	49.1	43.5	35.9	
				110	359	335	331	284	254	232	207	176	155	127	
				140	950	682	645	554	495	453	403	339	296	234	
				180	2100	1380	1310	1120	1000	910	810	670	580	430	
				250	4150	2840	2680	2300	2040	1860	1640	1330	1080	630	

Discontinue

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
10	210	025	2.13	1.77	1.67	1.46	1.30	1.19	1.07	0.91	0.81	
		032	3.66	3.05	2.88	2.51	2.24	2.06	1.84	1.57	1.39	
		040	10.9	10.3	10.3	10.1	9.9	9.7	9.4	8.1	7.2	6.1
		050	37.9	29.1	27.5	24.0	21.4	19.6	17.5	15.0	13.3	11.2
		063	85.1	68.4	64.8	56.4	50.4	46.2	41.3	35.1	31.2	26.3
		080	164	156	156	146	130	119	106	91	81	68
		110	359	341	337	293	262	240	214	182	161	134
		140	950	694	657	572	511	468	417	353	310	251
	180	2100	1410	1330	1160	1030	950	840	700	610	470	
	250	5840	4030	3820	3320	2960	2700	2390	1980	1690	1200	
	240	025	2.13	1.79	1.70	1.49	1.34	1.22	1.09	0.93	0.83	
		032	3.66	3.08	2.92	2.57	2.30	2.11	1.88	1.61	1.43	
		040	10.9	10.4	10.4	10.4	10.1	9.9	9.7	8.3	7.4	6.3
		050	37.9	29.4	27.9	24.6	21.9	20.1	18.0	15.3	13.7	11.6
		063	85.1	69.2	65.5	57.8	51.6	47.3	42.3	36.0	32.1	27.1
		080	164	158	158	149	133	122	109	93	83	70
		110	359	345	341	300	268	246	220	187	166	138
		140	950	703	665	586	524	480	428	363	320	263
	180	2100	1420	1350	1190	1060	970	860	730	640	500	
	250	5840	4080	3860	3400	3030	2770	2460	2060	1770	1330	
	270	025	2.13	1.81	1.71	1.51	1.36	1.25	1.12	0.95	0.85	
		032	3.66	3.11	2.94	2.61	2.34	2.15	1.92	1.64	1.46	
		040	10.9	10.5	10.5	10.5	10.3	10.1	9.9	8.4	7.5	6.4
		050	37.9	29.7	28.1	24.9	22.4	20.5	18.3	15.6	13.9	11.8
		063	85.1	69.8	66.1	58.5	52.6	48.2	43.1	36.7	32.7	27.7
		080	164	159	159	151	136	124	111	95	85	72
		110	359	347	344	304	273	251	224	190	169	142
		140	950	709	671	594	534	489	437	371	328	272
180	2100	1430	1360	1200	1080	990	880	740	650	530		
250	5840	4110	3890	3440	3090	2830	2520	2110	1830	1420		
300	025	2.13	1.82	1.72	1.52	1.38	1.27	1.13	0.97	0.86		
	032	3.66	3.13	2.96	2.62	2.38	2.18	1.95	1.66	1.49		
	040	10.9	10.6	10.6	10.6	10.5	10.3	10.0	8.6	7.7	6.5	
	050	37.9	29.8	28.2	25.0	22.7	20.8	18.6	15.9	14.2	12.0	
	063	85.1	70.2	66.5	58.9	53.5	49.0	43.8	37.3	33.3	28.2	
	080	164	160	160	152	138	126	113	96	86	73	
	110	359	349	346	306	278	255	227	194	172	145	
	140	950	713	675	598	543	497	444	377	335	279	
180	2100	1440	1370	1210	1100	1010	900	760	670	550		
250	5840	4140	3920	3460	3140	2880	2560	2160	1880	1490		
330	025	2.13	1.83	1.73	1.53	1.40	1.29	1.15	0.98	0.88		
	032	3.66	3.14	2.98	2.64	2.41	2.21	1.98	1.69	1.51		
	040	10.9	10.6	10.6	10.6	10.6	10.4	10.1	8.7	7.8	6.6	
	050	37.9	30.0	28.4	25.1	23.0	21.1	18.8	16.1	14.3	12.2	
	063	85.1	70.5	66.8	59.1	54.2	49.6	44.4	37.8	33.7	28.6	
	080	164	161	161	153	140	128	114	98	87	74	
	110	359	351	347	307	281	258	230	196	175	148	
	140	950	717	679	601	550	504	450	383	340	285	
180	2100	1450	1370	1220	1110	1020	910	770	680	560		
250	5840	4150	3930	3480	3180	2910	2600	2190	1920	1550		

Product specifications

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

Output torque table

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						30	60	90	120	150	200	300	400	600
Compact	Roller gear cam drive	12	90	032	1.89	1.38	1.25	1.06	0.95	0.87	0.77	0.64	0.56	
				040	7.19	6.13	5.53	4.72	4.21	3.86	3.44	2.90	2.54	2.04
				050	12.8	11.1	10.6	10.2	9.9	9.7	9.4	7.9	6.9	5.4
				063	25.3	21.2	20.2	19.5	18.9	18.5	17.9	16.8	15.1	11.2
				080	108	77.0	69.4	59.2	52.8	48.2	42.7	35.5	30.3	21.8
				110	225	189	180	165	147	134	118	97	81	52
				140	462	385	363	308	274	249	217	171	133	58
				180	976	602	541	457	402	360	303	207		
250	2870	1710	1530	1290	1120	990	800	460						
Standard	Roller gear cam drive	12	120	032	1.89	1.49	1.38	1.17	1.05	0.96	0.86	0.72	0.64	
				040	7.19	6.49	6.01	5.13	4.58	4.20	3.75	3.18	2.81	2.30
				050	12.8	11.7	11.5	11.1	10.8	10.6	10.3	8.7	7.7	6.3
				063	25.3	22.8	22.3	21.4	20.9	20.4	19.8	18.9	17.3	13.8
				080	108	82.5	76.4	65.2	58.2	53.2	47.4	39.9	34.9	27.5
				110	225	203	198	181	162	148	131	110	95	72
				140	462	414	400	341	304	277	245	201	169	112
				180	976	647	598	508	450	408	354	273	203	
250	2870	1830	1690	1430	1260	1140	970	700	440					
Wide angle	Roller gear cam drive	12	150	032	1.89	1.54	1.46	1.24	1.11	1.02	0.91	0.77	0.68	
				040	10.2	9.14	8.64	7.37	6.59	6.04	5.39	4.59	4.09	3.44
				050	12.8	12.1	12.1	11.6	11.3	11.1	10.8	9.2	8.2	6.8
				063	25.3	23.6	23.5	22.7	22.1	21.6	21.0	20.1	18.6	15.3
				080	108	85.5	80.8	68.9	61.6	56.4	50.3	42.6	37.5	30.6
				110	225	210	209	192	171	157	139	118	103	82
				140	462	429	424	361	322	294	261	218	188	140
				180	1220	876	827	704	627	571	504	411	340	213
250	3910	2340	2210	1880	1670	1510	1320	1040	810	350				
Basic	Roller gear cam drive	12	180	032	1.89	1.58	1.49	1.29	1.15	1.06	0.94	0.80	0.71	
				040	10.2	9.30	8.81	7.63	6.82	6.25	5.58	4.76	4.24	3.58
				050	12.8	12.3	12.3	12.0	11.7	11.5	11.2	9.6	8.5	7.1
				063	25.3	24.1	24.1	23.5	22.9	22.4	21.8	21.0	19.5	16.2
				080	108	87.3	82.6	71.5	63.9	58.6	52.3	44.4	39.3	32.5
				110	331	280	265	230	205	188	168	142	125	103
				140	760	534	505	437	390	357	318	268	234	184
				180	1220	894	846	732	652	596	528	437	372	264
250	3910	2390	2260	1950	1740	1580	1390	1130	920	550				
Parallell cam drive	Roller gear cam drive	12	210	032	1.89	1.60	1.51	1.33	1.19	1.09	0.97	0.83	0.74	
				040	10.2	9.40	8.90	7.82	6.99	6.40	5.72	4.88	4.35	3.69
				050	12.8	12.4	12.4	12.3	12.0	11.8	11.4	9.8	8.7	7.4
				063	25.3	24.4	24.4	24.2	23.5	23.1	22.5	21.6	20.1	16.8
				080	108	88.4	83.7	73.5	65.7	60.2	53.7	45.7	40.6	33.9
				110	331	284	269	236	211	193	172	146	130	107
				140	760	541	512	449	401	367	327	277	243	196
				180	1220	906	857	752	671	613	545	455	393	296
250	3910	2420	2290	2010	1790	1630	1440	1190	1000	680				
Option	Circular Pin and Ridge drive	12	240	032	1.89	1.61	1.53	1.35	1.21	1.11	0.99	0.84	0.75	
				040	10.2	9.47	8.96	7.94	7.12	6.53	5.83	4.97	4.44	3.77
				050	12.8	12.5	12.5	12.5	12.2	12.0	11.7	10.0	8.9	7.5
				063	25.3	24.6	24.6	24.6	24.0	23.5	22.9	22.0	20.5	17.3
				080	108	89.2	84.4	74.7	67.0	61.4	54.9	46.7	41.5	34.9
				110	331	286	271	240	215	197	176	150	133	111
				140	760	545	516	457	410	375	335	284	250	205
				180	1220	914	865	765	686	627	558	469	408	318
250	3910	2440	2310	2040	1830	1670	1480	1230	1050	760				

Discontinue

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
12	270	032	1.89	1.62	1.53	1.36	1.23	1.13	1.01	0.86	0.77	
		040	10.9	10.6	10.6	10.6	10.5	10.3	10	8.6	7.6	6.5
		050	19.9	19.5	19.5	19.5	19.3	18.9	18.4	15.9	14.2	12.0
		063	25.3	24.7	24.7	24.7	24.4	23.9	23.3	22.4	20.9	17.7
		080	108	89.7	84.9	75.2	68.2	62.5	55.8	47.5	42.3	35.7
		110	331	288	273	241	219	201	179	152	136	114
		140	760	549	519	460	417	382	341	289	256	212
		180	1220	919	870	770	698	639	569	479	420	335
	250	3910	2450	2320	2050	1860	1700	1510	1260	1090	830	
	300	032	2.70	2.33	2.21	1.95	1.79	1.64	1.46	1.25	1.11	
		040	10.9	10.7	10.7	10.7	10.7	10.4	10.2	8.7	7.7	6.6
		050	19.9	19.6	19.6	19.6	19.5	19.1	18.7	16.1	14.4	12.2
		063	63.6	53.2	50.4	44.6	40.8	37.4	33.4	28.5	25.4	21.5
		080	152	103	97	86	79	72	65	55	49	41
		110	331	289	274	242	222	203	182	155	138	116
		140	760	551	522	462	423	387	346	294	261	217
		180	1490	1170	1110	980	900	820	730	620	550	450
	250	4150	2980	2820	2500	2280	2090	1860	1570	1370	1080	
	330	032	2.70	2.34	2.21	1.96	1.80	1.66	1.48	1.26	1.13	
		040	10.9	10.7	10.7	10.7	10.7	10.6	10.3	8.8	7.8	6.7
		050	19.9	19.6	19.6	19.6	19.6	19.4	18.9	16.3	14.6	12.4
		063	63.6	53.4	50.5	44.7	41.0	37.9	33.8	28.9	25.7	21.8
		080	152	103	98	86	79	73	65	56	50	42
		110	331	290	275	243	223	206	184	157	140	118
140		760	553	524	463	425	392	350	298	264	221	
180		1490	1170	1110	980	900	830	740	630	560	460	
250	4150	2990	2830	2510	2300	2120	1880	1590	1390	1120		
15	90	080	31.8	28.4	27.3	26.2	25.5	24.9	24.0	22.5	20.0	14.1
		110	143	109	99	85	75	68	60	49	39	23
		140	285	254	244	222	198	179	157	123	96	41
		180	591	523	496	420	370	333	283	201	122	
		250	1630	1130	1020	860	750	660	530	280		
	120	080	80.0	63.7	59.6	50.8	45.4	41.5	37.0	31.1	27.2	21.4
		110	200	130	122	104	92	84	75	62	53	39
		140	285	266	263	240	214	195	172	141	118	78
		180	591	550	536	456	404	367	320	250	191	
		250	2020	1510	1410	1190	1050	950	810	590	390	
	150	080	80.0	65.2	61.7	53.1	47.4	43.4	38.7	32.8	28.9	23.5
		110	200	133	126	108	96	88	78	66	57	45
		140	420	357	338	290	259	237	210	176	151	114
		180	976	688	650	558	497	453	400	326	269	168
		250	2020	1540	1460	1250	1110	1010	880	680	520	190
	180	080	80.0	66.1	62.5	54.7	48.9	44.8	39.9	33.9	30.0	24.8
		110	200	134	127	111	99	91	81	68	60	48
		140	420	362	342	299	267	245	218	183	160	125
		180	976	698	660	576	514	469	416	344	292	207
		250	2020	1560	1480	1290	1150	1040	920	740	600	330
	210	080	80.0	66.6	63.1	55.8	50.0	45.8	40.9	34.8	30.9	25.8
		110	200	135	128	113	101	93	83	70	62	51
		140	420	365	345	306	273	250	223	188	166	133
		180	976	704	666	589	526	481	427	357	308	231
250		2870	1980	1880	1660	1480	1350	1200	990	830	570	

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
Wide angle	
Basic	
Parallel cam drive	
Pitch and Pressure	Linear
	Circular
Option	

Output torque table

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)							
						Input shaft rotational speed (rpm)							
						30	60	90	120	150	200	300	400
15	Roller gear cam drive	240	080	80.0	67.0	63.4	56.1	50.9	46.6	41.6	35.4	31.5	26.4
			110	200	136	129	114	103	95	84	72	63	52
			140	420	367	347	307	278	255	227	193	170	139
			180	976	708	670	592	536	491	436	366	319	248
			250	2870	1990	1890	1670	1510	1380	1220	1020	870	640
	270	080	80.0	67.2	63.6	56.3	51.6	47.3	42.2	36.0	32.0	27.0	
		110	200	136	129	114	105	96	86	73	65	54	
		140	420	368	349	308	282	259	231	196	173	143	
		180	976	710	672	595	544	498	444	374	328	261	
		250	2870	2000	1890	1670	1530	1400	1240	1040	900	690	
	300	080	80.0	67.4	63.8	56.5	51.8	47.9	42.8	36.4	32.5	27.4	
		110	200	137	129	115	105	97	87	74	66	55	
140		420	369	349	309	284	262	234	199	176	146		
180		976	712	674	597	547	505	450	380	334	270		
250		2870	2010	1900	1680	1540	1420	1260	1060	920	720		
330	080	80.0	67.5	63.9	56.6	51.9	48.4	43.2	36.8	32.8	27.8		
	110	200	137	130	115	105	98	88	75	66	56		
	140	420	370	350	310	284	265	236	201	179	149		
	180	976	714	676	598	548	511	455	385	340	278		
	250	2870	2010	1900	1680	1540	1440	1280	1080	940	750		
16	Wide angle	90	080	31.8	28.7	27.7	26.7	25.9	25.3	24.4	22.9	20.5	14.7
			110	143	110	101	86	76	70	61	50	41	24
			140	305	267	257	234	208	189	164	128	97.1	34.2
			180	591	530	504	427	377	339	290	209	132	
			250	1630	1140	1040	870	760	670	540	300		
	Basic	120	080	31.8	30.0	29.7	28.6	27.8	27.2	26.4	25.1	22.9	18.0
			110	143	115	107	92	82	75	66	55	47	34
			140	285	268	266	243	216	197	174	143	120	81
			180	591	554	542	461	409	372	325	256	198	
			250	1630	1190	1110	940	830	750	640	450	280	
	Parallell cam drive	150	080	31.8	30.6	30.6	29.8	29.0	28.4	27.6	26.4	24.3	19.8
			110	143	117	110	95	85	78	69	58	51	39
140			285	274	274	253	226	207	183	153	132	98	
180			591	567	560	482	429	391	345	280	231	142	
250			2020	1550	1470	1260	1120	1010	890	700	540	210	
Option	210	080	80.0	66.3	62.8	55.1	49.2	45.1	40.2	34.1	30.3	25.1	
		110	143	118	112	98	87	80	71	60	53	42	
		140	285	277	277	261	233	213	189	159	139	109	
		180	591	574	567	497	443	404	358	296	251	176	
		250	2020	1570	1480	1300	1150	1050	920	750	610	350	
Option	210	080	80.0	66.8	63.2	56.0	50.3	46.0	41.1	35.0	31.1	26.0	
		110	200	136	128	114	102	93	83	71	62	51	
		140	285	279	279	265	238	218	194	164	144	116	
		180	591	578	571	505	453	414	368	307	264	198	
		250	2020	1580	1490	1320	1180	1080	950	780	660	440	

Discontinue

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
16	240	080	80.0	67.1	63.5	56.2	51.1	46.8	41.8	35.6	31.7	26.6
		110	200	136	129	114	104	95	85	72	64	53
		140	285	281	281	266	242	222	198	167	148	121
		180	591	581	574	508	461	422	375	315	274	212
		250	2020	1590	1500	1330	1200	1100	970	810	690	490
	270	080	80.0	67.3	63.7	56.4	51.7	47.5	42.4	36.1	32.2	27.1
		110	200	137	129	114	105	96	86	73	65	54
		140	285	282	282	267	245	225	201	170	151	124
		180	976	712	674	596	546	501	446	376	330	264
		250	2020	1590	1510	1330	1220	1120	990	830	710	530
	300	080	80.0	67.5	63.9	56.6	51.9	48.1	42.9	36.6	32.6	27.6
		110	200	137	130	115	105	97	87	74	66	55
		140	285	282	282	268	246	228	203	173	153	127
		180	976	714	675	598	548	507	452	382	336	273
		250	2020	1600	1510	1340	1220	1130	1010	840	730	560
	330	080	80.0	67.6	64.0	56.7	52.0	48.6	43.4	37.0	33.0	27.9
		110	200	137	130	115	105	98	88	75	67	56
		140	285	283	283	268	246	230	205	175	155	129
		180	976	715	677	599	549	513	457	387	342	280
		250	2020	1600	1510	1340	1230	1140	1020	860	750	590

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
Wide angle	Basic
	Parallel cam drive
Pitch and Pressure drive	Linear
	Circular
Option	

Output torque table

Index series

● RGIS straight shaft (2 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						15	30	45	60	75	100	150	200	300	
16	Roller gear cam drive	Compact	120	025	1.49	1.04	0.98	0.83	0.74	0.68	0.61	0.52	0.46	0.38	
				032	2.70	1.90	1.78	1.52	1.36	1.25	1.11	0.94	0.84	0.69	
				040	16.1	13.0	12.9	12.4	12.1	11.9	11.6	10.0	8.8	7.5	
				050	19.9	16.2	16.1	15.5	15.1	14.8	14.4	13.8	12.8	10.7	
				063	63.6	43.9	41.1	35.1	31.4	28.7	25.6	21.7	19.1	15.6	
				080	164	133	132	120	108	98.5	87.9	74.6	66.0	54.6	
				110	359	291	285	243	217	199	177	149	131	105	
				140	950	589	553	471	420	384	341	285	246	185	
	180	2860	1480	1380	1180	1050	960	850	700	590	410				
	250	5840	3450	3230	2750	2440	2220	1950	1560	1240	630				
	Standard	Table	150	025	2.13	1.60	1.51	1.31	1.17	1.07	0.96	0.81	0.73	0.61	
				032	4.77	3.59	3.40	2.94	2.63	2.41	2.15	1.83	1.63	1.38	
				040	30.6	21.3	20.2	17.4	15.6	14.3	12.8	10.9	9.7	8.2	
				050	50.1	37.1	35.1	30.3	27.1	24.8	22.2	18.9	16.8	14.2	
				063	85.1	62.3	59.0	50.9	45.5	41.7	37.2	31.7	28.1	23.5	
				080	164	142	142	131	117	108	96	82	73	61	
				110	591	378	358	309	276	253	225	191	169	139	
				140	1160	798	755	652	582	533	475	401	352	283	
	180	2860	1580	1490	1290	1150	1050	930	780	680	510				
	250	5840	3680	3480	3000	2670	2440	2160	1770	1490	990				
	Wide angle	Basic	180	025	2.13	1.67	1.58	1.39	1.24	1.14	1.01	0.87	0.77	0.65	
				032	4.77	3.75	3.55	3.11	2.78	2.55	2.28	1.94	1.73	1.47	
				040	30.6	22.2	21.0	18.5	16.5	15.1	13.5	11.5	10.3	8.8	
				050	50.1	38.5	36.5	32.0	28.6	26.2	23.4	20.0	17.8	15.1	
				063	119	74.0	70.1	61.5	55.0	50.4	45.0	38.3	34.1	28.8	
080				242	194	183	161	144	132	118	100	89	75		
110				591	393	372	327	292	267	239	203	180	150		
140				1160	832	787	691	617	565	504	427	378	310		
180	2860	1640	1560	1370	1220	1120	990	840	730	580					
250	5840	3630	3620	3180	2830	2590	2300	1910	1640	1210					
Parallel cam drive	Basic	210	025	2.89	2.33	2.20	1.95	1.75	1.60	1.43	1.22	1.09	0.93		
			032	4.77	3.85	3.65	3.23	2.90	2.66	2.38	2.03	1.81	1.54		
			040	30.6	22.8	21.6	19.1	17.2	15.7	14.1	12.0	10.7	9.1		
			050	50.1	39.5	37.4	33.1	29.8	27.3	24.4	20.8	18.6	15.8		
			063	119	76.0	71.9	63.7	57.2	52.4	46.8	39.9	35.6	30.1		
			080	242	199	188	166	150	137	122	104	93	79		
			110	591	403	382	338	304	278	249	212	188	158		
			140	1640	1060	1010	890	800	730	650	560	490	410		
180	2860	1690	1600	1420	1270	1160	1040	880	770	630					
250	5840	3930	3720	3290	2950	2700	2400	2010	1750	1350					
Option	Circular Pike and Rase drive	240	025	2.89	2.37	2.24	1.99	1.81	1.66	1.48	1.26	1.13	0.96		
			032	4.77	3.92	3.71	3.29	2.99	2.74	2.45	2.09	1.87	1.59		
			040	30.6	23.2	22.0	19.5	17.7	16.2	14.5	12.4	11.1	9.4		
			050	50.1	40.2	38.1	33.7	30.6	28.1	25.1	21.4	19.1	16.3		
			063	119	77.3	73.2	64.8	58.9	54.0	48.2	41.1	36.7	31.1		
			080	242	202	191	169	154	141	126	108	96	81		
			110	591	411	389	344	313	287	256	218	194	163		
			140	1640	1080	1030	910	830	760	680	570	510	430		
180	2860	1720	1630	1440	1310	1200	1070	910	800	660					
250	5840	4000	3780	3350	3040	2780	2480	2090	1830	1450					
270	Option	025	2.89	2.40	2.27	2.01	1.85	1.70	1.52	1.29	1.16	0.98			
		032	4.77	3.97	3.76	3.33	3.06	2.81	2.51	2.14	1.91	1.63			
		040	30.6	23.5	22.3	19.7	18.1	16.6	14.8	12.7	11.3	9.6			
		050	50.1	40.7	38.5	34.1	31.3	28.7	25.7	21.9	19.6	16.6			
		063	119	78.3	74.1	65.6	60.2	55.3	49.4	42.1	37.6	31.9			

Discontinue

Index series

● RGIS straight shaft (2 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
16	270	080	242	205	194	172	157	144	129	110	98	83
		110	591	416	394	348	320	293	262	223	199	168
		140	1640	1100	1040	920	840	770	690	590	520	440
		180	2860	1740	1650	1460	1340	1230	1100	930	830	690
		250	5840	4040	3830	3390	3110	2850	2540	2150	1890	1530
	300	025	2.89	2.43	2.30	2.03	1.87	1.73	1.55	1.32	1.18	1.00
		032	4.77	4.01	3.80	3.36	3.09	2.86	2.56	2.18	1.95	1.66
		040	30.6	23.7	22.5	19.9	18.2	16.9	15.1	12.9	11.5	9.8
		050	50.1	41.1	38.9	34.4	31.6	29.3	26.2	22.3	19.9	17.0
		063	119	79.0	74.8	66.2	60.7	56.3	50.3	42.9	38.3	32.6
		080	262	252	249	220	202	187	167	143	127	108
		110	738	547	518	459	421	390	348	297	265	225
		140	1640	1110	1050	930	850	790	710	600	540	450
		180	2860	1760	1660	1470	1350	1250	1120	950	840	700
	250	5840	4080	3860	3420	3130	2900	2590	2190	1930	1580	
	330	025	2.89	2.44	2.31	2.05	1.88	1.76	1.57	1.34	1.20	1.02
		032	4.77	4.04	3.83	3.39	3.11	2.91	2.60	2.22	1.98	1.69
		040	30.6	23.9	22.6	20.0	18.4	17.2	15.4	13.1	11.7	10.0
		050	50.1	41.3	39.1	34.6	31.8	29.7	26.6	22.7	20.2	17.2
		063	119	79.5	75.3	66.7	61.1	57.2	51.1	43.6	38.9	33.1
		080	262	253	250	222	203	190	170	145	130	110
		110	738	551	522	462	424	396	354	302	269	229
		140	1640	1120	1060	940	860	800	720	610	540	460
		180	2860	1770	1680	1480	1360	1270	1140	970	860	720
250	5840	4110	3890	3440	3160	2950	2630	2230	1970	1630		
18	120	025	1.49	1.08	1.02	0.87	0.78	0.71	0.64	0.54	0.48	0.40
		032	3.66	2.68	2.53	2.16	1.93	1.77	1.58	1.34	1.19	1.00
		040	10.9	9.12	9.09	8.76	8.54	8.36	8.15	6.97	6.21	5.24
		050	37.9	25.8	24.4	20.8	18.6	17.0	15.2	12.9	11.5	9.6
		063	85.1	60.6	57.1	48.8	43.6	39.9	35.6	30.2	26.8	22.2
		080	152	87.8	82.8	70.7	63.1	57.8	51.5	43.6	38.5	31.3
		110	359	302	297	254	226	207	185	156	137	111
		140	950	612	577	492	439	402	357	299	259	198
		180	2100	1240	1170	1000	890	810	720	590	500	340
	250	4150	2560	2410	2050	1820	1660	1450	1150	900	420	
	150	025	2.13	1.65	1.56	1.35	1.21	1.11	0.99	0.84	0.75	0.64
		032	3.66	2.84	2.69	2.33	2.09	1.91	1.71	1.45	1.30	1.09
		040	10.9	9.65	9.65	9.46	9.22	9.03	8.80	7.54	6.72	5.70
		050	37.9	27.3	25.8	22.4	20.0	18.4	16.4	14.0	12.4	10.5
		063	85.1	64.1	60.6	52.6	47.0	43.1	38.5	32.7	29.1	24.4
		080	164	146	146	136	121	111	99	84	75	63
		110	359	319	315	274	244	224	200	170	150	124
		140	950	649	614	533	476	435	388	327	287	231
		180	2100	1310	1240	1080	960	880	780	650	570	430
	250	5840	3780	3580	3100	2760	2520	2230	1840	1560	1070	
	180	025	2.13	1.71	1.62	1.43	1.27	1.17	1.04	0.89	0.79	0.67
		032	4.77	3.83	3.63	3.20	2.86	2.62	2.34	2.00	1.78	1.51
		040	30.6	22.7	21.5	18.9	16.9	15.5	13.9	11.8	10.6	9.0
		050	51.5	39.3	37.2	32.8	29.3	26.9	24.0	20.5	18.3	15.5
063		85.1	66.2	62.7	55.3	49.4	45.3	40.5	34.5	30.7	25.9	
080		164	151	151	143	127	117	104	89	79	67	
110		359	330	326	288	257	235	210	179	159	133	
140		1160	849	804	709	633	580	518	439	388	320	
180		2860	1680	1590	1400	1250	1150	1020	860	760	600	
250	5840	3910	3700	3260	2910	2660	2360	1970	1700	1270		

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Pit and
Pit-free drive

Linear
Circular

Option

Output torque table

Index series

● RGIS straight shaft (2 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)							
						Input shaft rotational speed (rpm)							
						15	30	45	60	75	100	150	200
Roller gear cam drive	Compact	210	025	2.13	1.75	1.65	1.46	1.32	1.21	1.08	0.92	0.82	0.70
			032	4.77	3.92	3.71	3.28	2.96	2.72	2.43	2.07	1.85	1.57
			040	30.6	23.2	21.9	19.4	17.5	16.1	14.4	12.3	11.0	9.3
			050	51.5	40.1	38.0	33.6	30.4	27.8	24.9	21.2	18.9	16.1
			063	85.1	67.6	64.0	56.7	51.2	46.9	41.9	35.7	31.9	27.0
			080	164	154	154	146	132	121	108	92	82	70
			110	591	410	388	343	310	284	254	216	192	162
			140	1160	868	822	727	657	602	537	456	405	337
	180	2860	1720	1620	1440	1300	1190	1060	900	790	650		
	250	5840	3990	3770	3340	3010	2760	2450	2060	1800	1400		
	Standard	240	025	2.13	1.77	1.68	1.49	1.36	1.25	1.11	0.95	0.85	0.72
			032	4.77	3.97	3.76	3.33	3.05	2.79	2.49	2.13	1.90	1.62
			040	30.6	23.5	22.3	19.7	18.0	16.5	14.8	12.6	11.3	9.6
			050	51.5	40.7	38.5	34.1	31.2	28.6	25.5	21.8	19.5	16.6
			063	85.1	68.6	65.0	57.5	52.6	48.2	43.0	36.7	32.7	27.8
			080	164	156	156	148	136	124	111	95	85	72
			110	591	416	393	348	318	292	261	222	198	167
			140	1160	881	834	738	675	618	552	470	417	350
	180	2860	1740	1650	1460	1330	1220	1090	920	820	680		
	250	5840	4040	3830	3390	3090	2830	2520	2130	1870	1490		
	Table	270	025	2.13	1.79	1.70	1.50	1.38	1.27	1.14	0.97	0.87	0.74
			032	4.77	4.02	3.80	3.37	3.09	2.85	2.55	2.17	1.94	1.65
			040	30.6	23.7	22.5	19.9	18.3	16.9	15.1	12.9	11.5	9.8
			050	51.5	41.1	38.9	34.4	31.6	29.2	26.1	22.2	19.9	16.9
			063	85.1	69.3	65.6	58.1	53.3	49.2	43.9	37.5	33.5	28.4
080			164	158	158	150	137	127	113	97	86	73	
110			591	420	397	352	323	298	266	227	202	171	
140			1160	890	843	746	684	631	564	480	427	360	
180	2860	1760	1670	1470	1350	1250	1110	950	840	700			
250	5840	4080	3870	3420	3140	2890	2580	2180	1920	1560			
Wide angle	300	025	2.13	1.81	1.71	1.51	1.39	1.29	1.16	0.99	0.88	0.75	
		032	4.77	4.05	3.83	3.39	3.11	2.90	2.59	2.21	1.98	1.68	
		040	30.6	23.9	22.7	20.1	18.4	17.1	15.3	13.1	11.7	10.0	
		050	51.5	41.4	39.2	34.7	31.8	29.7	26.5	22.6	20.2	17.2	
		063	85.1	69.8	66.1	58.5	53.7	50.0	44.7	38.1	34.0	29.0	
		080	164	159	159	151	139	129	115	98	88	75	
		110	591	423	400	354	325	303	271	231	206	175	
		140	1160	897	849	752	689	642	574	489	435	368	
180	2860	1770	1680	1490	1360	1270	1130	960	860	720			
250	5840	4110	3890	3450	3160	2940	2620	2220	1970	1610			
Basic	330	025	2.13	1.82	1.72	1.52	1.40	1.31	1.17	1.00	0.90	0.76	
		032	4.77	4.07	3.85	3.41	3.13	2.93	2.63	2.24	2.01	1.71	
		040	30.6	24.1	22.8	20.2	18.5	17.3	15.5	13.3	11.9	10.1	
		050	51.5	41.6	39.4	34.9	32.0	29.9	26.9	22.9	20.5	17.5	
		063	85.1	70.2	66.5	58.8	54.0	50.5	45.3	38.7	34.5	29.4	
		080	164	160	160	152	139	130	117	100	89	76	
		110	591	425	402	356	327	306	274	234	209	177	
		140	1160	902	854	756	693	648	582	496	442	374	
180	2860	1780	1690	1490	1370	1280	1150	980	870	730			
250	5840	4140	3910	3460	3180	2970	2660	2260	2000	1660			
Option	Linear Circular Pike and Rase drive	90	040	10.2	7.93	7.32	6.25	5.58	5.11	4.56	3.87	3.43	2.85
			050	19.9	15.8	15.5	14.9	14.5	14.2	13.8	11.9	10.5	8.6
			063	25.3	20.0	19.5	18.8	18.3	17.9	17.3	16.5	15.1	11.8
			080	108	72.4	66.8	57.0	50.9	46.6	41.4	34.8	30.3	23.5
			110	225	178	174	159	142	129	115	96	82	61

Discontinue

Index series

● RGIS straight shaft (2 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
20	90	140	462	362	349	297	265	241	213	174	144	90
		180	1220	739	681	579	513	465	405	315	237	
		250	3910	1990	1830	1550	1370	1230	1050	760	480	
	120	025	1.49	1.12	1.06	0.90	0.81	0.74	0.66	0.56	0.50	0.42
		032	2.70	2.04	1.93	1.65	1.47	1.35	1.20	1.02	0.91	0.76
		040	10.9	9.39	9.39	9.06	8.83	8.65	8.43	7.21	6.43	5.43
		050	37.9	26.6	25.1	21.5	19.2	17.6	15.7	13.4	11.9	9.9
		063	63.6	46.9	44.4	37.9	33.9	31.0	27.7	23.5	20.8	17.1
		080	152	90.4	85.6	73.1	65.3	59.8	53.3	45.2	39.9	32.7
		110	331	255	241	206	184	168	150	127	111	89
		140	760	483	457	391	348	319	283	237	205	155
		180	1490	1030	970	830	740	670	590	490	410	280
	250	4150	2640	2490	2120	1890	1720	1500	1200	960	490	
	150	025	1.49	1.18	1.11	0.97	0.87	0.80	0.71	0.61	0.54	0.46
		032	3.66	2.90	2.75	2.40	2.14	1.96	1.75	1.49	1.33	1.12
		040	10.9	9.85	9.85	9.70	9.45	9.26	9.02	7.73	6.90	5.85
		050	37.9	27.8	26.3	23.0	20.5	18.8	16.8	14.3	12.8	10.8
		063	63.6	49.2	46.5	40.6	36.2	33.2	29.6	25.2	22.4	18.7
		080	152	94.9	89.8	78.3	69.9	64.1	57.2	48.6	43.1	35.9
		110	359	326	322	281	251	230	205	174	154	128
		140	760	508	481	419	374	342	305	257	225	180
		180	2100	1340	1270	1110	990	900	800	670	580	450
	250	4150	2760	2610	2270	2020	1850	1630	1340	1120	750	
	180	025	1.49	1.21	1.15	1.02	0.91	0.83	0.74	0.63	0.57	0.48
032		3.66	2.99	2.83	2.51	2.24	2.05	1.84	1.57	1.40	1.18	
040		10.9	10.1	10.1	10.1	9.9	9.7	9.4	8.1	7.2	6.1	
050		37.9	28.6	27.1	24.0	21.4	19.7	17.6	15.0	13.4	11.3	
063		63.6	50.5	47.8	42.4	37.9	34.7	31.0	26.4	23.5	19.8	
080		152	97.6	92.4	81.8	73.1	67.0	59.9	50.9	45.3	38.1	
110		359	335	331	293	262	240	214	182	162	136	
140		950	682	646	571	511	468	417	354	313	258	
180		2100	1380	1310	1160	1030	950	840	710	620	500	
250	4150	2840	2680	2370	2120	1940	1720	1430	1230	900		
210	025	2.13	1.77	1.67	1.48	1.34	1.23	1.10	0.94	0.84	0.71	
	032	3.66	3.05	2.88	2.55	2.32	2.12	1.90	1.62	1.44	1.23	
	040	10.9	10.3	10.3	10.3	10.2	10.0	9.7	8.4	7.5	6.3	
	050	37.9	29.1	27.5	24.4	22.1	20.3	18.1	15.5	13.8	11.7	
	063	63.6	51.4	48.7	43.1	39.1	35.8	32.0	27.3	24.3	20.6	
	080	164	156	156	148	134	123	110	94	84	71	
	110	359	341	337	298	270	248	221	188	168	141	
	140	950	695	657	582	528	484	432	367	325	271	
	180	2100	1410	1330	1180	1070	980	870	740	650	530	
250	4150	2890	2730	2420	2190	2000	1780	1490	1300	1000		
240	025	2.13	1.79	1.70	1.50	1.38	1.26	1.13	0.96	0.86	0.73	
	032	3.66	3.08	2.92	2.58	2.37	2.18	1.94	1.66	1.48	1.26	
	040	10.9	10.4	10.4	10.4	10.4	10.2	10.0	8.6	7.6	6.5	
	050	37.9	29.4	27.9	24.7	22.6	20.8	18.5	15.8	14.1	12.0	
	063	63.6	52.0	49.3	43.6	40.0	36.7	32.8	28.0	24.9	21.1	
	080	164	158	158	150	137	126	113	96	86	73	
	110	359	345	341	302	277	254	227	193	172	145	
	140	950	703	666	589	540	496	443	376	335	280	
	180	2100	1420	1350	1190	1090	1000	890	760	670	550	
250	5840	4080	3860	3420	3130	2870	2560	2160	1900	1530		

Product specifications

Roller gear cam drive	Table	Wide angle	Basic
	Standard		
Parallel cam drive	Table	Wide angle	Basic
	Standard		
Pike and Pico drive	Table	Wide angle	Basic
	Standard		
Option	Table	Wide angle	Basic
	Standard		

Option	Table	Wide angle	Basic
	Standard		

Output torque table

Index series

● RGIS straight shaft (2 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						15	30	45	60	75	100	150	200	300
Roller gear cam drive	Compact	20	270	025	2.13	1.81	1.71	1.51	1.39	1.29	1.15	0.98	0.88	0.75
				032	3.66	3.11	2.94	2.61	2.39	2.22	1.98	1.69	1.51	1.29
				040	10.9	10.5	10.5	10.5	10.5	10.4	10.2	8.7	7.8	6.6
				050	37.9	29.7	28.1	24.9	22.8	21.1	18.9	16.1	14.4	12.3
				063	63.6	52.5	49.7	44.0	40.3	37.4	33.4	28.5	25.4	21.6
				080	164	159	159	151	139	128	115	98	87	74
				110	359	347	344	304	279	259	231	197	176	149
				140	950	709	671	594	545	505	451	384	342	288
				180	2100	1430	1360	1200	1100	1020	910	770	690	570
				250	5840	4110	3890	3450	3160	2930	2610	2210	1950	1590
	Standard	20	300	025	2.13	1.82	1.72	1.52	1.40	1.31	1.17	1.00	0.89	0.76
				032	3.66	3.13	2.96	2.62	2.41	2.25	2.01	1.72	1.53	1.31
				040	10.9	10.6	10.6	10.6	10.6	10.6	10.3	8.9	7.9	6.7
				050	37.9	29.8	28.2	25.0	22.9	21.5	19.2	16.4	14.6	12.5
				063	85.1	70.2	66.5	58.9	54.0	50.5	45.2	38.5	34.4	29.3
				080	164	160	160	152	139	130	117	99	89	76
				110	359	349	346	306	281	262	235	200	179	151
				140	950	713	675	598	548	513	459	391	348	294
				180	2100	1440	1370	1210	1110	1040	930	790	700	590
				250	5840	4140	3920	3470	3180	2970	2650	2250	1990	1640
	Table	20	330	025	2.13	1.83	1.73	1.53	1.41	1.31	1.19	1.01	0.90	0.77
				032	3.66	3.14	2.98	2.64	2.42	2.26	2.04	1.74	1.56	1.33
				040	10.9	10.6	10.6	10.6	10.6	10.6	10.5	9.0	8.0	6.8
				050	37.9	30.0	28.4	25.1	23.0	21.5	19.4	16.6	14.8	12.6
				063	85.1	70.5	66.8	59.1	54.2	50.7	45.8	39.1	34.9	29.7
080				164	161	161	153	140	131	118	101	90	77	
110				359	351	347	307	282	264	238	203	181	154	
140				950	717	679	601	551	515	465	396	353	299	
180				2100	1450	1370	1220	1110	1040	940	800	710	600	
250				5840	4160	3930	3480	3190	2980	2690	2280	2020	1680	
Wide angle	20	330	025	2.13	1.83	1.73	1.53	1.41	1.31	1.19	1.01	0.90	0.77	
			032	3.66	3.14	2.98	2.64	2.42	2.26	2.04	1.74	1.56	1.33	
			040	10.9	10.6	10.6	10.6	10.6	10.6	10.5	9.0	8.0	6.8	
			050	37.9	30.0	28.4	25.1	23.0	21.5	19.4	16.6	14.8	12.6	
			063	85.1	70.5	66.8	59.1	54.2	50.7	45.8	39.1	34.9	29.7	
			080	164	161	161	153	140	131	118	101	90	77	
			110	359	351	347	307	282	264	238	203	181	154	
			140	950	717	679	601	551	515	465	396	353	299	
			180	2100	1450	1370	1220	1110	1040	940	800	710	600	
			250	5840	4160	3930	3480	3190	2980	2690	2280	2020	1680	
Basic	24	90	032	1.89	1.38	1.29	1.10	0.98	0.90	0.80	0.68	0.60	0.48	
			040	7.19	6.13	5.71	4.87	4.35	3.99	3.56	3.02	2.68	2.22	
			050	12.8	11.1	10.9	10.5	10.2	10.0	9.7	8.3	7.3	6.0	
			063	25.3	21.3	20.9	20.1	19.6	19.2	18.6	17.7	16.3	13.0	
			080	80.0	57.6	53.6	45.7	40.8	37.3	33.2	27.9	24.2	18.8	
			110	200	119	110	94	84	77	68	56	48	34	
			140	462	386	375	319	284	260	230	189	159	108	
			180	976	603	560	476	422	382	333	258	194	138	
			250	2870	1710	1590	1350	1190	1070	920	670	440	300	
			Option	24	120	032	1.89	1.49	1.41	1.21	1.08	0.99	0.88	0.75
040	7.19	6.49				6.15	5.30	4.73	4.34	3.87	3.30	2.93	2.50	
050	12.8	11.8				11.7	11.4	11.1	10.9	10.6	9.1	8.1	6.7	
063	25.3	22.8				22.8	22.1	21.6	21.1	20.5	19.7	18.2	15.1	
080	108	82.5				78.1	67.3	60.1	55.0	49.1	41.6	36.8	30.3	
110	225	203				203	187	167	153	136	115	101	82	
140	462	414				409	352	314	287	256	214	186	143	
180	1220	844				799	687	612	559	494	407	342	232	
250	3910	2260				2140	1840	1630	1490	1310	1050	840	450	

Discontinue

Index series

● RGIS straight shaft (2 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
24	150	032	2.70	2.21	2.09	1.84	1.64	1.50	1.34	1.14	1.02	0.86
		040	10.2	9.14	8.66	7.61	6.80	6.23	5.57	4.75	4.23	3.59
		050	12.8	12.1	12.1	12.0	11.7	11.5	11.2	9.5	8.5	7.2
		063	63.6	50.5	47.8	42.1	37.6	34.4	30.8	26.2	23.3	19.5
		080	108	85.5	81.0	71.2	63.6	58.2	52.0	44.2	39.3	32.8
		110	225	210	210	198	177	162	144	123	108	90
		140	462	429	424	373	333	305	272	229	201	162
		180	1220	876	829	728	649	594	527	440	380	286
	250	3910	2340	2220	1940	1730	1580	1400	1150	970	650	
	180	032	2.70	2.25	2.13	1.89	1.70	1.56	1.40	1.19	1.06	0.90
		040	10.2	9.30	8.81	7.80	7.03	6.45	5.76	4.91	4.39	3.73
		050	12.8	12.3	12.3	12.3	12.1	11.8	11.5	9.9	8.8	7.5
		063	63.6	51.6	48.8	43.2	39.0	35.7	31.9	27.2	24.2	20.4
		080	108	87.3	82.6	73.2	66.0	60.5	54.0	46.0	40.9	34.4
		110	225	214	214	203	183	168	150	128	113	95
		140	462	438	434	384	346	317	283	240	212	174
		180	1490	1130	1070	950	850	780	700	590	510	410
	250	3910	2390	2260	2000	1800	1650	1460	1220	1050	770	
	210	032	2.70	2.28	2.16	1.91	1.75	1.61	1.43	1.22	1.09	0.93
		040	10.2	9.40	8.90	7.88	7.21	6.61	5.90	5.04	4.50	3.83
		050	12.8	12.4	12.4	12.4	12.4	12.1	11.8	10.1	9.0	7.7
		063	63.6	52.2	49.5	43.8	40.0	36.7	32.8	28.0	24.9	21.1
		080	152	101	95	85	77	71	63	54	48	41
		110	225	217	217	206	188	173	154	131	117	98
		140	760	541	512	453	414	380	339	288	255	212
		180	1490	1150	1080	960	880	800	720	610	530	440
	250	4150	2930	2770	2450	2240	2050	1820	1530	1340	1050	
	240	032	2.70	2.30	2.18	1.93	1.77	1.64	1.47	1.25	1.12	0.95
040		10.2	9.47	8.96	7.94	7.28	6.73	6.02	5.14	4.59	3.91	
050		12.8	12.5	12.5	12.5	12.5	12.4	12.0	10.3	9.2	7.8	
063		63.6	52.7	49.9	44.2	40.5	37.5	33.5	28.5	25.5	21.6	
080		152	102	96	85	78	72	65	55	49	42	
110		225	219	219	208	190	176	157	134	119	101	
140		760	545	516	457	419	388	346	294	262	219	
180		1490	1160	1090	970	890	820	730	620	550	450	
250	4150	2950	2800	2470	2270	2090	1870	1580	1380	1110		
270	032	2.70	2.32	2.20	1.94	1.78	1.67	1.49	1.27	1.14	0.97	
	040	10.2	9.51	9.01	7.97	7.31	6.84	6.11	5.22	4.66	3.97	
	050	37.9	29.9	28.3	25.1	23.0	21.5	19.2	16.4	14.7	12.5	
	063	63.6	53.0	50.2	44.4	40.7	38.1	34.0	29.0	25.9	22.0	
	080	152	102	97	86	79	74	66	56	50	42	
	110	225	220	220	209	192	179	160	136	122	103	
	140	760	549	520	460	422	394	352	300	267	224	
	180	1490	1160	1100	970	890	840	750	630	560	470	
250	4150	2970	2810	2490	2280	2130	1900	1610	1420	1150		
300	032	2.70	2.33	2.21	1.95	1.79	1.68	1.51	1.29	1.15	0.98	
	040	10.2	9.55	9.04	8.00	7.34	6.86	6.19	5.29	4.72	4.02	
	050	37.9	30.1	28.5	25.2	23.1	21.6	19.5	16.6	14.9	12.7	
	063	63.6	53.2	50.4	44.6	40.9	38.3	34.5	29.4	26.3	22.4	
	080	152	103	97	86	79	74	67	57	51	43	
	110	331	289	274	242	222	208	188	160	143	121	
	140	760	551	522	462	424	396	357	304	271	229	
	180	1490	1170	1110	980	900	840	760	640	570	480	
250	4150	2980	2820	2500	2290	2140	1930	1630	1440	1190		

Product specifications

Roller gear cam drive	Compact
	Standard
Wide angle	Table
	Basic
Parallel cam drive	Linear
	Circular
Peak and Phase drive	Option

Output torque table

● RGIS straight shaft (2 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)										
						Input shaft rotational speed (rpm)										
						15	30	45	60	75	100	150	200	300		
Compact	Roller gear cam drive	24	330	032	2.70	2.34	2.21	1.96	1.80	1.68	1.53	1.31	1.17	0.99		
				040	10.2	9.57	9.06	8.02	7.36	6.88	6.26	5.35	4.78	4.07		
				050	37.9	30.2	28.5	25.3	23.2	21.7	19.7	16.8	15.0	12.8		
				063	63.6	53.4	50.5	44.7	41.0	38.4	34.9	29.8	26.6	22.6		
				080	152	103	98	86	79	74	67	58	51	44		
				110	331	290	275	243	223	209	190	162	144	123		
				140	760	553	524	464	425	398	362	308	275	232		
				180	1490	1170	1110	980	900	840	770	650	580	490		
				250	4150	2990	2830	2510	2300	2150	1950	1660	1470	1220		
				Standard	Roller gear cam drive	90	080	31.8	28.4	28.2	27.1	26.4	25.8	25.0	23.8	21.8
110	143	109	103				87	78	71	63	53	45	33			
140	285	254	252				230	205	187	166	136	114	77			
180	591	524	513				436	388	352	307	242	188				
250	2020	1440	1350				1150	1010	910	790	580	390				
Table	Roller gear cam drive	120	080				80.0	63.7	60.3	52.5	46.9	42.9	38.3	32.5	28.7	23.6
			110				200	130	123	107	96	87	78	66	58	46
			140				285	266	266	248	221	203	180	151	131	100
			180				591	550	543	472	420	383	339	278	232	153
			250				2020	1510	1430	1240	1100	1000	880	700	550	270
			Wide angle	Roller gear cam drive	150	080	80.0	65.2	61.7	54.7	49.0	44.9	40.1	34.1	30.2	25.2
						110	200	133	126	111	100	91	81	69	61	50
						140	420	357	338	299	268	245	219	185	162	131
						180	976	688	651	576	515	471	418	349	301	226
						250	2020	1540	1460	1290	1150	1050	930	760	630	410
Basic	Roller gear cam drive	180				080	80.0	66.1	62.6	55.4	50.5	46.2	41.3	35.2	31.3	26.3
						110	200	134	127	113	103	94	84	71	63	52
						140	420	362	343	303	276	253	226	191	169	139
						180	976	698	660	584	532	486	433	364	318	250
						250	2020	1560	1480	1310	1190	1090	960	800	680	490
			Parallel cam drive	Roller gear cam drive	210	080	80.0	66.6	63.1	55.8	51.2	47.3	42.2	36.0	32.1	27.1
						110	200	135	128	113	104	96	86	73	65	54
						140	420	365	345	306	280	259	231	196	174	144
						180	976	704	666	589	540	498	444	375	330	266
						250	2870	1980	1880	1660	1520	1400	1250	1050	910	710
Circular Peak and Flats drive	Roller gear cam drive	240				080	80.0	67.0	63.4	56.1	51.5	48.1	43.0	36.6	32.7	27.7
						110	200	136	129	114	104	98	87	74	66	56
						140	420	367	347	307	282	263	235	200	178	149
						180	976	708	670	593	543	507	452	383	338	277
						250	2870	1990	1890	1670	1530	1430	1270	1070	940	750
			Option	Roller gear cam drive	270	080	80.0	67.2	63.6	56.3	51.7	48.3	43.6	37.2	33.2	28.1
						110	200	136	129	114	105	98	88	75	67	57
						140	420	368	349	309	283	265	239	203	181	152
						180	976	710	673	595	546	510	460	390	345	285
						250	2870	2000	1890	1680	1540	1440	1290	1090	960	780
Option	Roller gear cam drive	300				080	80.0	67.4	63.8	56.5	51.8	48.5	44.1	37.6	33.6	28.5
						110	200	137	129	115	105	98	89	76	68	58
						140	420	369	350	309	284	265	242	206	183	154
						180	976	712	674	597	547	512	466	396	351	292
						250	2870	2010	1900	1680	1540	1440	1310	1110	980	800
			Option	Roller gear cam drive	330	080	80.0	67.5	63.9	56.6	51.9	48.5	44.5	38.1	34.0	28.9
						110	200	137	130	115	105	98	90	77	69	58
						140	420	370	350	310	284	266	244	208	185	157
						180	976	714	676	598	549	513	470	400	356	297
						250	2870	2010	1900	1680	1540	1440	1320	1120	990	820

Discontinue

Index series

● RGIS straight shaft (2 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
32	90	080	31.8	28.7	28.6	27.6	26.8	26.2	25.4	24.2	22.2	17.5
		110	143	110	104	89	79	72	64	53	46	34
		140	285	257	256	234	209	190	168	139	117	81
		180	591	531	522	444	394	358	313	248	195	90
		250	1630	1150	1080	910	810	730	620	450	290	
	120	080	31.8	30.0	30.0	29.5	28.7	28.1	27.4	26.2	24.2	19.9
		110	143	115	108	95	84	77	69	58	51	40
		140	285	269	268	251	224	205	182	153	133	102
		180	591	555	548	477	425	388	343	282	237	159
		250	2020	1520	1440	1250	1110	1010	890	710	570	290
	150	080	31.8	30.6	30.6	30.6	30.0	29.3	28.6	27.4	25.5	21.2
		110	143	117	110	98	88	80	72	61	54	44
		140	285	274	274	260	234	214	190	161	141	114
		180	591	567	560	495	445	406	361	301	259	194
		250	2020	1550	1470	1300	1160	1060	940	770	640	430
	180	080	80.0	66.3	62.8	55.6	50.8	46.5	41.6	35.4	31.5	26.5
		110	143	118	112	99	90	83	74	63	56	46
		140	285	277	277	263	240	220	196	166	147	121
		180	591	574	567	502	458	419	373	314	273	214
		250	2020	1570	1480	1310	1200	1090	970	810	690	510
	210	080	80.0	66.8	63.2	56.0	51.3	47.5	42.5	36.2	32.2	27.3
		110	200	136	128	114	104	96	86	73	65	55
		140	285	279	279	265	243	225	201	171	151	125
		180	591	578	572	506	464	429	382	323	283	228
		250	2020	1580	1500	1320	1210	1120	990	830	720	560
	240	080	80.0	67.1	63.5	56.2	51.6	48.2	43.2	36.8	32.8	27.8
		110	200	136	129	114	105	98	88	75	66	56
		140	285	281	281	266	244	228	204	174	154	129
		180	591	581	574	508	466	435	389	329	291	237
		250	2020	1590	1500	1330	1220	1140	1010	850	750	590
	270	080	80.0	67.3	63.7	56.4	51.8	48.4	43.8	37.4	33.3	28.3
		110	200	137	129	114	105	98	89	76	67	57
140		285	282	282	267	245	229	207	176	157	132	
180		976	712	674	596	547	511	462	392	347	287	
250		2020	1590	1510	1330	1220	1140	1030	870	760	620	
300	080	80.0	67.5	63.9	56.6	51.9	48.5	44.3	37.8	33.8	28.7	
	110	200	137	130	115	105	98	90	77	68	58	
	140	285	282	282	268	246	230	210	179	159	134	
	180	976	714	675	598	548	512	468	397	353	294	
	250	2020	1600	1510	1340	1230	1140	1040	880	780	630	
330	080	80.0	67.6	64.0	56.7	52.0	48.6	44.6	38.2	34.1	29.0	
	110	200	137	130	115	105	99	90	77	69	59	
	140	285	283	283	268	246	230	211	181	161	136	
	180	976	715	677	599	549	514	471	402	357	299	
	250	2020	1600	1510	1340	1230	1150	1050	890	790	650	

Product specifications

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

Output torque table

Index series

● RGIS straight shaft (3 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						10	20	30	40	50	70	100	140	200	
24	Roller gear cam drive	Compact	150	025	1.49	1.12	1.06	0.93	0.83	0.76	0.67	0.58	0.51	0.44	
				032	2.70	2.04	1.93	1.70	1.52	1.39	1.22	1.06	0.92	0.79	
				040	10.9	9.39	9.39	9.32	9.08	8.90	8.55	7.43	6.51	5.64	
				050	19.9	17.3	17.3	17.2	16.7	16.4	15.9	15.4	14.1	12.1	
				063	85.1	62.3	59.0	51.9	46.4	42.5	37.2	32.3	28.2	24.2	
				080	164	142	142	134	120	110	96	83	73	63	
				110	591	378	358	314	281	257	225	195	170	145	
				140	1160	798	755	664	593	543	475	411	355	298	
				180	2860	1580	1490	1310	1170	1070	940	800	690	560	
	250	5840	3680	3490	3060	2730	2490	2170	1840	1540	1170				
	Table	Standard	180	025	2.89	2.26	2.14	1.90	1.71	1.57	1.37	1.20	1.05	0.91	
				032	4.77	3.75	3.55	3.14	2.83	2.60	2.28	1.98	1.73	1.50	
				040	30.6	22.2	21.0	18.6	16.8	15.4	13.5	11.8	10.3	8.9	
				050	50.1	38.5	36.5	32.3	29.1	26.7	23.4	20.4	17.8	15.4	
				063	85.1	64.9	61.4	54.4	49.1	45.0	39.4	34.2	29.9	25.8	
				080	242	194	183	162	146	134	118	102	89	77	
				110	591	393	372	330	297	272	239	207	181	155	
				140	1160	832	787	697	628	576	504	437	380	323	
				180	2860	1650	1560	1380	1240	1140	990	860	740	620	
	250	5840	3830	3630	3210	2890	2640	2300	1980	1680	1340				
	Wide angle	Basic	210	025	2.89	2.33	2.20	1.95	1.78	1.63	1.43	1.25	1.09	0.95	
				032	4.77	3.85	3.65	3.23	2.95	2.71	2.37	2.06	1.81	1.57	
				040	30.6	22.8	21.6	19.1	17.5	16.0	14.1	12.2	10.7	9.3	
				050	50.1	39.5	37.4	33.1	30.3	27.8	24.4	21.2	18.6	16.1	
				063	85.1	66.6	63.0	55.8	51.1	46.8	41.0	35.7	31.2	27.0	
080				242	199	188	166	152	140	122	106	93	81		
110				738	527	499	441	404	370	324	282	246	212		
140				1640	1060	1010	890	820	750	650	570	500	430		
180				2860	1690	1600	1420	1290	1190	1040	900	780	660		
250	5840	3930	3720	3290	3010	2750	2400	2070	1770	1460					
Parallel cam drive	Basic	240	025	2.89	2.37	2.24	1.99	1.82	1.69	1.48	1.29	1.13	0.98		
			032	4.77	3.92	3.71	3.29	3.02	2.79	2.45	2.13	1.87	1.62		
			040	30.6	23.2	22.0	19.5	17.9	16.5	14.5	12.6	11.0	9.6		
			050	50.1	40.2	38.1	33.7	30.9	28.6	25.1	21.8	19.1	16.6		
			063	85.1	67.8	64.2	56.8	52.1	48.2	42.3	36.7	32.2	27.9		
			080	262	246	243	216	198	183	160	139	122	106		
			110	738	536	507	449	412	381	334	290	254	220		
			140	1640	1080	1030	910	830	770	680	590	510	440		
			180	2860	1720	1630	1440	1320	1220	1070	930	810	690		
250	5840	4000	3780	3350	3070	2840	2480	2140	1850	1540					
Option	Linear, Circular, Pike and Rase drive	270	025	2.89	2.40	2.27	2.01	1.85	1.73	1.51	1.32	1.16	1.00		
			032	4.77	3.97	3.76	3.33	3.06	2.86	2.51	2.18	1.91	1.66		
			040	30.6	23.5	22.3	19.7	18.1	16.9	14.8	12.9	11.3	9.8		
			050	50.1	40.7	38.5	34.1	31.3	29.3	25.7	22.3	19.6	17.0		
			063	85.1	68.6	65.0	57.5	52.8	49.3	43.2	37.6	32.9	28.6		
			080	262	249	246	218	200	187	164	143	125	109		
			110	738	542	514	455	417	390	342	297	260	225		
			140	1640	1100	1040	920	840	790	690	600	530	450		
			180	2860	1740	1650	1460	1340	1250	1100	950	830	710		
250	5840	4040	3830	3390	3110	2900	2540	2200	1900	1600					

Discontinue

Index series

● RGIS straight shaft (3 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	20	30	40	50	70	100	140	200
24	300	025	2.89	2.43	2.30	2.03	1.87	1.75	1.54	1.34	1.18	1.02
		032	4.77	4.01	3.80	3.36	3.09	2.89	2.55	2.22	1.95	1.69
		040	30.6	23.7	22.5	19.9	18.2	17.1	15.1	13.1	11.5	10.0
		050	50.1	41.1	38.9	34.4	31.6	29.5	26.1	22.7	19.9	17.3
		063	85.1	69.2	65.5	58.0	53.2	49.8	44.1	38.3	33.6	29.1
		080	262	252	249	220	202	189	167	145	127	111
		110	738	547	518	459	421	394	348	303	265	230
		140	1640	1110	1050	930	850	800	700	610	540	460
	180	2860	1760	1660	1470	1350	1260	1120	970	850	730	
	250	5840	4080	3860	3420	3140	2930	2590	2240	1950	1650	
	330	025	2.89	2.44	2.31	2.05	1.88	1.76	1.57	1.37	1.20	1.04
		032	4.77	4.04	3.83	3.39	3.11	2.91	2.60	2.26	1.98	1.72
		040	30.6	23.9	22.6	20.0	18.4	17.2	15.3	13.3	11.7	10.2
		050	50.1	41.3	39.1	34.6	31.8	29.7	26.5	23.1	20.2	17.6
063		85.1	69.7	66.0	58.4	53.6	50.1	44.7	38.9	34.1	29.6	
080		262	253	250	222	203	190	170	148	129	112	
110		738	551	522	462	424	396	354	308	269	234	
140		1640	1120	1060	940	860	800	720	620	540	470	
180	2860	1770	1680	1480	1360	1270	1140	990	860	740		
250	5840	4110	3890	3440	3160	2950	2630	2280	1980	1690		
30	120	040	10.9	9.39	9.39	9.23	8.99	8.81	8.46	7.35	6.43	5.60
		050	22.8	19.7	19.7	19.4	18.8	17.9	15.7	13.6	11.9	10.2
		063	63.6	46.9	44.4	38.6	34.5	31.6	27.7	24.0	20.9	17.8
		080	152	90.4	85.6	74.5	66.5	61.0	53.4	46.2	40.1	34.1
		110	359	311	307	267	239	219	191	165	143	121
		140	760	483	458	398	355	325	284	244	208	169
		180	1490	1030	970	840	750	690	600	510	430	320
		250	4150	2640	2490	2160	1930	1760	1520	1270	1020	690
	150	025	1.49	1.18	1.11	0.99	0.88	0.81	0.71	0.62	0.54	0.47
		032	3.66	2.90	2.75	2.43	2.18	2.00	1.75	1.52	1.33	1.15
		040	10.9	9.85	9.85	9.85	9.63	9.43	9.06	7.88	6.90	5.98
		050	37.9	27.8	26.3	23.3	20.9	19.2	16.8	14.6	12.8	11.0
		063	85.1	65.4	61.9	54.8	49.1	45.0	39.4	34.3	29.9	25.8
		080	152	94.9	89.8	79.5	71.2	65.3	57.2	49.6	43.3	37.1
		110	359	326	322	285	255	234	205	178	155	132
		140	950	663	627	555	497	456	399	345	298	251
	180	2100	1340	1270	1120	1010	920	800	690	590	490	
	250	4150	2760	2610	2310	2070	1890	1640	1400	1160	880	
	180	025	2.13	1.73	1.64	1.45	1.32	1.21	1.06	0.93	0.81	0.70
		032	3.66	2.99	2.83	2.51	2.28	2.09	1.83	1.60	1.40	1.21
		040	10.9	10.1	10.1	10.1	10.1	9.9	9.5	8.2	7.2	6.3
		050	37.9	28.6	27.1	24.0	21.8	20.0	17.5	15.3	13.4	11.6
		063	85.1	67.2	63.7	56.4	51.4	47.1	41.3	35.9	31.4	27.1
		080	152	97.6	92.4	81.8	74.5	68.3	59.8	52.0	45.4	39.1
110		359	335	331	293	267	245	214	186	162	140	
140		950	682	646	572	521	477	418	362	315	268	
180	2100	1380	1310	1160	1050	960	840	730	630	530		
250	4150	2840	2690	2380	2160	1980	1720	1480	1250	1000		

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Basic and Precise

Linear

Circular

Option

Output torque table

● RGIS straight shaft (3 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						10	20	30	40	50	70	100	140	200
Compact	Roller gear cam drive	30	210	025	2.13	1.77	1.67	1.48	1.36	1.26	1.10	0.96	0.84	0.73
				032	3.66	3.05	2.88	2.55	2.34	2.16	1.90	1.65	1.44	1.25
				040	10.9	10.3	10.3	10.3	10.3	10.2	9.8	8.5	7.5	6.5
				050	37.9	29.1	27.5	24.4	22.4	20.6	18.1	15.7	13.8	12.0
				063	85.1	68.4	64.8	57.4	52.6	48.6	42.6	37.0	32.4	28.1
				080	164	156	156	148	136	125	110	96	84	72
				110	359	341	337	298	273	252	221	192	168	145
				140	950	695	657	582	534	493	432	374	326	280
				180	2100	1410	1330	1180	1080	1000	870	760	650	550
250	4150	2890	2730	2420	2220	2040	1780	1540	1320	1080				
Standard	Roller gear cam drive	30	240	025	2.13	1.79	1.70	1.50	1.38	1.29	1.13	0.98	0.86	0.75
				032	3.66	3.08	2.92	2.58	2.37	2.22	1.94	1.69	1.48	1.29
				040	10.9	10.4	10.4	10.4	10.4	10.4	10.0	8.7	7.6	6.6
				050	37.9	29.4	27.9	24.7	22.6	21.1	18.5	16.1	14.1	12.3
				063	85.1	69.2	65.5	58.0	53.2	49.7	43.6	37.9	33.2	28.8
				080	164	158	158	150	137	128	113	98	86	74
				110	359	345	341	302	277	259	227	197	172	149
				140	950	703	666	589	540	505	442	384	335	288
				180	2100	1420	1350	1190	1090	1020	890	780	670	570
250	5840	4080	3860	3420	3130	2930	2560	2210	1910	1610				
Wide angle	Roller gear cam drive	30	270	025	2.13	1.81	1.71	1.51	1.39	1.30	1.15	1.00	0.88	0.76
				032	3.66	3.11	2.94	2.61	2.39	2.24	1.98	1.72	1.51	1.31
				040	10.9	10.5	10.5	10.5	10.5	10.5	10.2	8.9	7.8	6.8
				050	37.9	29.7	28.1	24.9	22.8	21.3	18.9	16.4	14.4	12.5
				063	85.1	69.8	66.1	58.5	53.7	50.2	44.4	38.7	33.9	29.4
				080	164	159	159	151	139	130	115	100	87	76
				110	359	347	344	304	279	261	231	201	176	152
				140	950	709	671	594	545	510	451	392	342	295
				180	2100	1440	1360	1200	1100	1030	910	790	690	590
250	5840	4110	3890	3450	3160	2950	2610	2260	1960	1660				
Basic	Roller gear cam drive	30	300	025	2.13	1.82	1.72	1.52	1.40	1.31	1.17	1.02	0.89	0.78
				032	3.66	3.13	2.96	2.62	2.41	2.25	2.01	1.75	1.53	1.33
				040	10.9	10.6	10.6	10.6	10.6	10.6	10.4	9.0	7.9	6.9
				050	37.9	29.8	28.2	25.0	22.9	21.5	19.2	16.7	14.6	12.7
				063	85.1	70.2	66.5	58.9	54.0	50.5	45.1	39.3	34.4	29.9
				080	164	160	160	152	139	130	117	101	89	77
				110	359	349	346	306	281	262	235	204	179	155
				140	950	713	675	598	549	513	458	398	348	301
				180	2100	1440	1370	1210	1110	1040	930	800	700	600
250	5840	4140	3920	3470	3180	2970	2650	2300	2000	1700				
Option	Parallel cam drive	30	330	025	2.13	1.83	1.73	1.53	1.41	1.31	1.19	1.03	0.90	0.79
				032	3.66	3.14	2.98	2.64	2.42	2.26	2.04	1.77	1.56	1.35
				040	10.9	10.6	10.6	10.6	10.6	10.6	10.5	9.1	8.0	7.0
				050	37.9	30.0	28.4	25.1	23.0	21.5	19.4	16.9	14.8	12.9
				063	85.1	70.5	66.8	59.1	54.2	50.7	45.7	39.8	34.9	30.3
				080	164	161	161	153	140	131	118	103	90	78
				110	359	351	347	307	282	264	238	207	181	157
				140	950	717	679	601	551	515	465	404	353	306
				180	2100	1450	1370	1220	1120	1040	940	820	710	610
250	5840	4160	3930	3480	3190	2990	2690	2330	2030	1740				

Discontinue

Index series

● RGIS straight shaft (3 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	20	30	40	50	70	100	140	200
36	90	040	7.19	6.13	5.80	4.96	4.43	4.06	3.56	3.09	2.69	2.30
		050	13.1	10.2	9.6	8.2	7.3	6.7	5.9	5.1	4.4	3.7
		063	16.4	14.1	14.1	13.6	13.2	13.0	12.4	10.7	9.1	7.5
		080	80.0	57.6	54.5	46.6	41.6	38.1	33.3	28.7	24.6	20.2
		110	200	119	112	96	86	78	68	58	49	38
		140	420	315	298	254	227	207	180	152	126	94
		180	976	603	570	486	432	393	337	278	213	122
		250	2020	1370	1290	1100	970	880	740	580	380	
	120	032	2.70	2.13	2.01	1.77	1.58	1.45	1.27	1.10	0.96	0.83
		040	10.2	8.87	8.40	7.37	6.59	6.04	5.29	4.60	4.02	3.47
		050	12.8	11.8	11.7	11.6	11.3	11.1	10.7	9.3	8.1	6.9
		063	25.3	22.8	22.8	22.6	22.0	21.5	20.8	20.1	18.3	15.6
		080	108	82.5	78.1	68.5	61.2	56.1	49.1	42.6	37.0	31.5
		110	225	203	203	191	170	156	136	118	102	86
		140	462	414	409	359	320	293	256	220	189	154
		180	1220	845	799	700	625	571	496	423	353	270
	250	3910	2260	2140	1880	1670	1520	1320	1100	890	610	
	150	032	2.70	2.21	2.09	1.85	1.67	1.53	1.34	1.17	1.02	0.88
		040	10.2	9.14	8.66	7.66	6.93	6.35	5.57	4.84	4.24	3.67
		050	12.8	12.1	12.1	12.1	11.9	11.7	11.2	9.7	8.5	7.4
		063	63.6	50.5	47.8	42.4	38.3	35.1	30.7	26.7	23.3	20.1
		080	108	85.5	81.0	71.7	64.8	59.3	52.0	45.1	39.4	33.8
		110	225	210	210	199	180	165	144	125	109	93
		140	462	429	425	376	339	311	272	235	203	171
		180	1220	876	829	733	662	606	528	454	387	313
	250	3910	2340	2220	1960	1770	1620	1410	1200	1000	760	
	180	032	2.70	2.25	2.13	1.89	1.73	1.59	1.39	1.21	1.06	0.92
		040	10.2	9.30	8.81	7.80	7.15	6.57	5.76	5.01	4.39	3.80
		050	12.8	12.3	12.3	12.3	12.3	12.1	11.6	10.1	8.8	7.6
		063	63.6	51.6	48.8	43.2	39.7	36.4	31.9	27.7	24.2	21.0
		080	108	87.3	82.6	73.2	67.1	61.6	54.0	46.9	41.0	35.4
		110	225	214	214	203	186	171	150	130	114	98
		140	760	534	505	447	410	376	329	286	248	211
		180	1490	1130	1070	950	870	800	700	600	520	430
	250	3910	2390	2260	2000	1830	1680	1460	1260	1070	850	
	210	032	2.70	2.28	2.16	1.92	1.76	1.64	1.43	1.25	1.09	0.95
040		10.2	9.40	8.90	7.88	7.23	6.73	5.90	5.13	4.50	3.90	
050		12.8	12.4	12.4	12.4	12.4	12.4	11.9	10.3	9.0	7.8	
063		63.6	52.2	49.5	43.8	40.2	37.4	32.8	28.5	24.9	21.6	
080		152	101	95	85	78	72	63	55	48	42	
110		331	284	269	238	218	203	178	155	135	117	
140		760	541	512	453	416	387	339	294	256	219	
180		1490	1150	1080	960	880	820	720	620	540	460	
250	4150	2930	2770	2450	2250	2090	1830	1580	1360	1120		
240	032	2.70	2.30	2.18	1.93	1.77	1.66	1.46	1.27	1.12	0.97	
	040	10.2	9.47	8.96	7.94	7.28	6.81	6.01	5.23	4.59	3.98	
	050	12.8	12.5	12.5	12.5	12.5	12.5	12.1	10.5	9.2	8.0	
	063	63.6	52.7	49.9	44.2	40.5	37.9	33.5	29.1	25.5	22.1	
	080	152	102	96	85	78	73	65	56	49	43	
	110	331	286	271	240	220	206	182	158	138	119	
	140	760	545	516	457	419	392	346	300	262	226	
	180	1490	1160	1090	970	890	830	730	630	550	470	
250	4150	2950	2800	2480	2270	2120	1870	1610	1400	1170		

Product specifications

Roller gear cam drive	Compact
	Standard
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Wide angle	Table
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Basic	Table
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Parallel cam drive	Table
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Pitch and Pressure	Table
	Table
Option	Table
	Table

Output torque table

Index series

● RGIS straight shaft (3 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)										
						Input shaft rotational speed (rpm)										
						10	20	30	40	50	70	100	140	200		
Roller gear cam drive	Compact	36	270	032	2.70	2.32	2.20	1.94	1.78	1.67	1.49	1.30	1.13	0.99		
				040	10.2	9.51	9.01	7.97	7.31	6.84	6.11	5.31	4.66	4.05		
				050	12.8	12.6	12.6	12.6	12.6	12.6	12.3	10.7	9.4	8.1		
				063	63.6	53.0	50.2	44.4	40.7	38.1	34.0	29.6	25.9	22.5		
				080	152	102	97	86	79	74	66	57	50	43		
				110	331	288	273	241	221	207	185	161	141	122		
				140	760	549	520	460	422	394	352	306	267	230		
				180	1490	1160	1100	970	890	840	750	650	560	480		
				250	4150	2970	2810	2490	2280	2130	1900	1650	1430	1210		
				Standard	36	300	032	2.70	2.33	2.21	1.95	1.79	1.68	1.51	1.31	1.15
	040	10.2	9.55				9.04	8.00	7.34	6.87	6.19	5.38	4.72	4.10		
	050	12.8	12.6				12.6	12.6	12.6	12.6	12.4	10.8	9.5	8.2		
	063	63.6	53.2				50.4	44.6	40.9	38.3	34.5	30.0	26.3	22.8		
	080	152	103				97	86	79	74	67	58	51	44		
	110	331	289				274	242	222	208	187	163	143	124		
	140	760	551				522	462	424	396	357	310	271	234		
	180	1490	1170				1110	980	900	840	760	660	570	490		
	250	4150	2980				2820	2500	2290	2140	1930	1670	1450	1240		
	Table	36	330				032	2.70	2.34	2.21	1.96	1.80	1.68	1.52	1.33	1.17
				040	10.2	9.57	9.06	8.02	7.36	6.88	6.22	5.44	4.77	4.15		
				050	12.8	12.6	12.6	12.6	12.6	12.6	12.5	10.9	9.6	8.3		
				063	63.6	53.4	50.5	44.7	41.0	38.4	34.7	30.4	26.6	23.1		
				080	152	103	98	86	79	74	67	59	51	45		
				110	331	290	275	243	223	209	189	165	144	125		
				140	760	553	524	464	425	398	359	314	275	238		
180				1490	1170	1110	980	900	840	760	660	580	500			
250				4150	2990	2830	2510	2300	2150	1940	1690	1470	1260			
Wide angle				36	90	080	31.8	28.7	28.7	28.1	27.3	26.8	25.9	24.9	22.4	18.7
	110	143	110			104	90	81	74	64	55	47	38			
	140	285	257			257	239	213	195	169	144	121	93			
	180	591	531			524	453	403	367	317	264	209	135			
	250	1630	1150			1080	930	830	750	630	500	350				
	Basic	48	120			080	31.8	30.0	30.0	30.0	29.3	28.7	27.8	26.8	24.4	20.7
						110	143	115	108	96	86	79	69	60	51	43
						140	285	269	268	255	228	209	182	157	135	110
						180	591	555	548	485	434	397	345	293	245	186
						250	2020	1520	1440	1270	1140	1040	900	750	600	410
Table				48	150	080	31.8	30.6	30.6	30.6	30.5	29.9	29.0	28.0	25.5	21.9
						110	143	117	110	98	90	82	72	62	54	46
						140	285	274	274	260	238	218	191	165	143	120
						180	591	567	560	496	453	415	362	311	264	213
						250	2020	1550	1470	1300	1190	1080	940	800	670	510
	Wide angle	48	180			080	80.0	66.3	62.8	55.6	51.0	47.4	41.6	36.1	31.5	27.2
						110	143	118	112	99	91	84	74	64	56	48
						140	285	277	277	263	241	224	196	170	148	126
						180	591	574	567	502	460	427	373	322	277	229
						250	2020	1570	1490	1310	1200	1120	970	830	710	560
Option				48	210	080	80.0	66.8	63.2	56.0	51.4	48.0	42.4	36.9	32.3	27.9
						110	200	136	128	114	104	97	86	75	65	56
						140	285	279	279	265	243	227	201	174	152	130
						180	591	578	572	506	464	433	382	330	286	240
						250	2020	1580	1500	1320	1210	1130	1000	860	730	600

Discontinue

Index series

● RGIS straight shaft (3 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	20	30	40	50	70	100	140	200
48	240	080	80.0	67.1	63.5	56.3	51.6	48.2	43.2	37.5	32.9	28.5
		110	200	136	129	114	105	98	88	76	66	57
		140	285	281	281	266	244	228	204	177	155	133
		180	591	581	575	509	466	436	389	337	292	248
		250	2020	1590	1500	1330	1220	1140	1020	880	750	630
	270	080	80.0	67.3	63.7	56.4	51.8	48.4	43.7	38.1	33.3	28.9
		110	200	137	129	114	105	98	89	77	67	58
		140	285	282	282	267	245	229	207	180	157	135
		180	976	712	674	596	547	511	462	401	349	298
		250	2020	1590	1510	1330	1220	1140	1030	890	770	650
	300	080	80.0	67.5	63.9	56.6	51.9	48.5	43.9	38.5	33.8	29.3
		110	200	137	130	115	105	98	89	78	68	59
		140	285	282	282	268	246	230	208	182	159	138
		180	976	714	676	598	548	513	463	406	354	303
		250	2020	1600	1510	1340	1230	1150	1030	900	780	660
	330	080	80.0	67.6	64.0	56.7	52.0	48.6	43.9	38.9	34.1	29.6
		110	200	137	130	115	105	99	89	79	69	60
		140	285	283	283	268	246	230	208	184	161	139
		180	976	715	677	599	549	514	464	410	358	308
		250	2020	1600	1510	1340	1230	1150	1040	910	800	680

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
Wide angle	Basic
	Parallel cam drive
Pitch and Pressure ratio	Linear
	Circular
Option	

Output torque table

Index series

● RGIS straight shaft (4 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						10	15	20	30	40	50	75	100	150
Compact	Roller gear cam drive	32	180	025	1.49	1.17	1.10	1.01	0.89	0.80	0.73	0.62	0.56	0.47
				032	2.70	2.13	2.01	1.85	1.63	1.46	1.33	1.14	1.01	0.86
				040	10.9	9.78	9.78	9.78	9.74	9.49	9.30	7.98	7.12	6.07
				050	50.1	38.5	36.5	33.5	29.5	26.4	24.2	20.6	18.4	15.7
				063	85.1	64.9	61.4	56.4	49.7	44.4	40.7	34.7	31.0	26.3
				080	164	148	148	145	128	115	105	90	80	68
				110	591	393	372	342	301	269	247	210	187	158
				140	1160	832	787	722	637	569	521	443	394	330
				180	2860	1640	1560	1430	1260	1120	1030	870	770	640
				250	5840	3830	3630	3320	2930	2610	2390	2020	1770	1410
Standard	Roller gear cam drive	32	210	025	2.89	2.33	2.20	2.02	1.79	1.61	1.48	1.26	1.13	0.96
				032	4.77	3.85	3.65	3.35	2.96	2.67	2.45	2.09	1.87	1.59
				040	30.6	22.8	21.6	19.8	17.5	15.8	14.5	12.4	11.1	9.4
				050	50.1	39.5	37.4	34.3	30.4	27.4	25.2	21.5	19.2	16.3
				063	85.1	66.6	63.0	57.8	51.2	46.2	42.4	36.1	32.3	27.4
				080	242	199	188	172	153	138	126	108	96	82
				110	738	527	499	457	405	365	335	286	255	216
				140	1640	1060	1010	920	820	740	680	580	510	430
				180	2860	1690	1600	1470	1300	1170	1070	910	810	670
				250	5840	3930	3720	3410	3020	2720	2490	2110	1860	1520
Table	Roller gear cam drive	32	240	025	2.89	2.37	2.24	2.06	1.82	1.67	1.53	1.30	1.16	0.99
				032	4.77	3.92	3.71	3.41	3.02	2.76	2.53	2.16	1.93	1.64
				040	30.6	23.2	22.0	20.2	17.9	16.3	15.0	12.8	11.4	9.7
				050	50.1	40.2	38.1	34.9	30.9	28.3	25.9	22.1	19.7	16.8
				063	85.1	67.8	64.2	58.9	52.1	47.6	43.6	37.2	33.3	28.3
				080	262	246	243	223	198	181	166	141	126	107
				110	738	536	507	465	412	376	345	294	263	223
				140	1640	1080	1030	940	830	760	700	590	530	450
				180	2860	1720	1630	1490	1320	1210	1110	940	840	700
				250	5840	4000	3780	3470	3070	2800	2570	2180	1930	1590
Wide angle	Roller gear cam drive	32	270	025	2.89	2.40	2.27	2.09	1.85	1.69	1.56	1.34	1.19	1.02
				032	4.77	3.97	3.76	3.45	3.06	2.80	2.59	2.21	1.97	1.68
				040	30.6	23.5	22.3	20.4	18.1	16.6	15.3	13.1	11.7	10.0
				050	50.1	40.7	38.5	35.3	31.3	28.7	26.5	22.6	20.2	17.2
				063	85.1	68.6	65.0	59.6	52.8	48.4	44.7	38.1	34.0	29.0
				080	262	249	246	226	200	184	169	145	129	110
				110	738	542	514	471	417	383	353	301	269	229
				140	1640	1100	1040	950	840	770	710	610	540	460
				180	2860	1740	1650	1510	1340	1230	1130	960	860	720
				250	5840	4040	3830	3510	3110	2850	2630	2230	1980	1650
Basic	Parallel cam drive	32	300	025	2.89	2.43	2.30	2.11	1.87	1.71	1.59	1.36	1.22	1.04
				032	4.77	4.01	3.80	3.49	3.09	2.83	2.64	2.25	2.01	1.72
				040	30.6	23.7	22.5	20.6	18.2	16.7	15.6	13.3	11.9	10.2
				050	50.1	41.1	38.9	35.7	31.6	29.0	27.0	23.0	20.6	17.5
				063	85.1	69.2	65.5	60.1	53.2	48.8	45.5	38.8	34.7	29.6
				080	262	252	249	228	202	185	173	147	132	112
				110	738	547	518	475	421	386	360	307	274	233
				140	1640	1110	1050	960	850	780	730	620	550	470
				180	2860	1760	1660	1530	1350	1240	1150	980	880	740
				250	5840	4080	3860	3540	3140	2870	2680	2280	2020	1690
Option	Linear, Circular, Pk & Rase drive	32	300	025	2.89	2.43	2.30	2.11	1.87	1.71	1.59	1.36	1.22	1.04
				032	4.77	4.01	3.80	3.49	3.09	2.83	2.64	2.25	2.01	1.72
				040	30.6	23.7	22.5	20.6	18.2	16.7	15.6	13.3	11.9	10.2
				050	50.1	41.1	38.9	35.7	31.6	29.0	27.0	23.0	20.6	17.5
				063	85.1	69.2	65.5	60.1	53.2	48.8	45.5	38.8	34.7	29.6
				080	262	252	249	228	202	185	173	147	132	112
				110	738	547	518	475	421	386	360	307	274	233
				140	1640	1110	1050	960	850	780	730	620	550	470
				180	2860	1760	1660	1530	1350	1240	1150	980	880	740
				250	5840	4080	3860	3540	3140	2870	2680	2280	2020	1690

Discontinue

Index series

● RGIS straight shaft (4 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	15	20	30	40	50	75	100	150
32	330	025	2.89	2.44	2.31	2.12	1.88	1.72	1.61	1.38	1.24	1.05
		032	4.77	4.04	3.83	3.51	3.11	2.85	2.67	2.29	2.04	1.74
		040	30.6	23.9	22.6	20.7	18.4	16.9	15.8	13.5	12.1	10.3
		050	50.1	41.3	39.1	35.9	31.8	29.2	27.3	23.4	20.9	17.8
		063	85.1	69.7	66.0	60.5	53.6	49.2	46.0	39.4	35.2	30.0
		080	262	253	250	230	203	187	174	150	134	114
		110	738	551	522	479	424	389	363	312	278	237
		140	1640	1120	1060	970	860	790	740	630	560	480
		180	2860	1770	1680	1540	1360	1250	1170	1000	890	750
		250	5840	4110	3890	3570	3160	2890	2700	2310	2060	1730
36	150	032	2.70	2.10	1.99	1.82	1.59	1.42	1.30	1.11	0.99	0.84
		040	10.9	9.65	9.65	9.65	9.51	9.27	9.08	7.78	6.95	5.92
		050	37.9	27.3	25.8	23.7	20.7	18.5	16.9	14.4	12.9	10.9
		063	63.6	48.2	45.6	41.8	36.5	32.6	29.9	25.4	22.7	19.1
		080	152	92.9	88.0	80.7	70.4	62.9	57.6	49.1	43.7	36.8
		110	359	319	315	289	252	225	207	176	156	131
		140	760	497	471	432	376	336	307	261	231	190
		180	2100	1310	1240	1140	990	890	810	690	600	490
	250	4150	2710	2560	2350	2040	1820	1660	1390	1200	910	
	180	025	2.13	1.71	1.62	1.48	1.31	1.17	1.08	0.92	0.82	0.70
		032	4.77	3.83	3.63	3.33	2.94	2.64	2.42	2.06	1.84	1.57
		040	30.6	22.7	21.5	19.7	17.4	15.6	14.3	12.2	10.9	9.3
		050	51.5	39.3	37.2	34.1	30.2	27.1	24.8	21.2	18.9	16.1
		063	85.1	66.2	62.7	57.5	50.9	45.6	41.8	35.6	31.8	27.0
		080	164	151	151	148	131	118	108	92	82	70
		110	591	401	380	348	309	276	253	216	192	162
		140	1160	849	804	737	653	584	535	455	405	340
		180	2860	1680	1590	1460	1290	1150	1060	900	790	660
		250	5840	3910	3700	3390	3000	2680	2450	2070	1820	1460
		210	025	2.13	1.75	1.65	1.52	1.34	1.22	1.12	0.95	0.85
032			4.77	3.92	3.71	3.40	3.01	2.73	2.51	2.14	1.91	1.63
040	30.6		23.2	21.9	20.1	17.8	16.2	14.8	12.7	11.3	9.6	
050	51.5		40.1	38.0	34.9	30.9	28.0	25.7	21.9	19.6	16.7	
063	85.1		67.6	64.0	58.7	52.0	47.2	43.3	36.9	33.0	28.0	
080	164		154	154	152	134	122	112	95	85	72	
110	591		410	388	356	315	286	262	223	199	169	
140	1160		868	822	754	667	606	555	473	421	355	
180	2860		1720	1630	1490	1320	1200	1100	930	830	690	
250	5840		3990	3780	3460	3060	2780	2540	2150	1900	1560	
240	025		2.13	1.77	1.68	1.54	1.36	1.25	1.15	0.98	0.88	0.75
	032		4.77	3.97	3.76	3.45	3.06	2.80	2.57	2.20	1.96	1.67
	040	30.6	23.5	22.3	20.4	18.1	16.6	15.2	13.0	11.6	9.9	
	050	51.5	40.7	38.5	35.3	31.3	28.7	26.4	22.5	20.1	17.1	
	063	85.1	68.6	65.0	59.6	52.8	48.4	44.4	37.9	33.9	28.8	
	080	164	156	156	154	136	125	115	98	87	74	
	110	591	416	394	361	320	293	269	229	205	174	
	140	1160	881	834	765	677	621	570	486	433	367	
	180	2860	1740	1650	1510	1340	1230	1130	960	850	720	
	250	5840	4040	3830	3510	3110	2850	2610	2220	1960	1630	

Product specifications

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

Output torque table

Index series

● RGIS straight shaft (4 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						10	15	20	30	40	50	75	100	150
Roller gear cam drive	Compact	36	270	025	2.13	1.79	1.70	1.56	1.38	1.26	1.17	1.00	0.89	0.76
				032	4.77	4.02	3.80	3.49	3.09	2.83	2.63	2.24	2.01	1.71
				040	30.6	23.7	22.5	20.6	18.3	16.8	15.5	13.3	11.9	10.1
				050	51.5	41.1	38.9	35.7	31.6	29.0	26.9	23.0	20.5	17.5
				063	85.1	69.3	65.6	60.2	53.3	48.9	45.4	38.7	34.6	29.4
				080	164	158	158	155	138	126	117	100	89	76
				110	591	420	397	365	323	296	275	234	209	178
				140	1160	890	843	773	684	628	582	496	443	376
				180	2860	1760	1670	1530	1350	1240	1150	980	870	740
				250	5840	4080	3870	3550	3140	2880	2670	2270	2010	1680
	Standard	36	300	025	2.13	1.81	1.71	1.57	1.39	1.27	1.19	1.02	0.91	0.78
				032	4.77	4.05	3.83	3.52	3.11	2.86	2.67	2.28	2.04	1.74
				040	30.6	23.9	22.7	20.8	18.4	16.9	15.8	13.5	12.1	10.3
				050	51.5	41.4	39.2	35.9	31.8	29.2	27.3	23.3	20.9	17.8
				063	85.1	69.8	66.1	60.6	53.7	49.2	46.0	39.4	35.2	30.0
				080	164	159	159	156	139	127	119	102	91	77
				110	591	423	400	367	325	298	279	238	213	181
				140	1160	897	849	779	690	632	591	505	451	383
				180	2860	1770	1680	1540	1360	1250	1170	1000	890	750
				250	5840	4110	3890	3570	3160	2900	2710	2310	2050	1720
	Table	36	330	025	2.13	1.82	1.72	1.58	1.40	1.28	1.20	1.03	0.92	0.79
				032	4.77	4.07	3.85	3.54	3.13	2.87	2.69	2.32	2.07	1.77
				040	30.6	24.1	22.8	20.9	18.5	17.0	15.9	13.7	12.2	10.4
				050	51.5	41.6	39.4	36.1	32.0	29.3	27.4	23.7	21.2	18.0
				063	85.1	70.2	66.5	61.0	54.0	49.5	46.3	39.9	35.7	30.4
080				164	160	160	157	139	128	119	103	92	78	
110				591	425	402	369	327	300	280	242	216	184	
140				1160	902	854	783	693	636	595	513	458	389	
180				2860	1780	1690	1550	1370	1260	1180	1010	900	760	
250				5840	4140	3910	3590	3180	2910	2720	2340	2080	1750	
Wide angle	36	330	025	2.13	1.82	1.72	1.58	1.40	1.28	1.20	1.03	0.92	0.79	
			032	4.77	4.07	3.85	3.54	3.13	2.87	2.69	2.32	2.07	1.77	
			040	30.6	24.1	22.8	20.9	18.5	17.0	15.9	13.7	12.2	10.4	
			050	51.5	41.6	39.4	36.1	32.0	29.3	27.4	23.7	21.2	18.0	
			063	85.1	70.2	66.5	61.0	54.0	49.5	46.3	39.9	35.7	30.4	
			080	164	160	160	157	139	128	119	103	92	78	
			110	591	425	402	369	327	300	280	242	216	184	
			140	1160	902	854	783	693	636	595	513	458	389	
			180	2860	1780	1690	1550	1370	1260	1180	1010	900	760	
			250	5840	4140	3910	3590	3180	2910	2720	2340	2080	1750	
Basic	40	150	025	1.49	1.18	1.11	1.02	0.90	0.80	0.73	0.63	0.56	0.47	
			032	2.70	2.14	2.03	1.86	1.63	1.46	1.34	1.14	1.02	0.86	
			040	10.9	9.85	9.85	9.85	9.75	9.50	9.31	7.98	7.13	6.07	
			050	37.9	27.8	26.3	24.2	21.2	18.9	17.3	14.8	13.2	11.2	
			063	63.6	49.2	46.5	42.7	37.4	33.4	30.6	26.1	23.3	19.7	
			080	152	94.9	89.8	82.4	72.2	64.5	59.1	50.3	44.8	37.8	
			110	359	326	322	295	259	231	212	180	160	135	
			140	950	663	627	575	504	450	412	350	311	258	
			180	2100	1340	1270	1160	1020	910	830	700	620	510	
			250	4150	2760	2610	2400	2100	1870	1700	1430	1240	950	
Option	40	180	025	2.13	1.73	1.64	1.51	1.33	1.20	1.10	0.94	0.84	0.71	
			032	3.66	2.99	2.83	2.60	2.30	2.07	1.89	1.62	1.44	1.23	
			040	10.9	10.1	10.1	10.1	10.1	9.9	9.7	8.3	7.5	6.4	
			050	37.9	28.6	27.1	24.8	22.0	19.8	18.1	15.5	13.8	11.7	
			063	85.1	67.2	63.7	58.4	51.7	46.5	42.6	36.3	32.4	27.5	
			080	164	153	153	151	133	120	110	94	84	71	
			110	359	335	331	304	269	242	221	189	168	142	
			140	950	682	646	592	524	471	432	367	327	274	
			180	2100	1380	1310	1200	1060	950	870	740	660	540	
			250	4150	2840	2690	2460	2180	1950	1790	1510	1320	1060	

Discontinue

Index series

● RGIS straight shaft (4 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	15	20	30	40	50	75	100	150
40	210	025	2.13	1.77	1.67	1.54	1.36	1.24	1.14	0.97	0.87	0.74
		032	3.66	3.05	2.88	2.64	2.34	2.14	1.96	1.67	1.49	1.27
		040	10.9	10.3	10.3	10.3	10.3	10.3	10.1	8.6	7.7	6.6
		050	37.9	29.1	27.5	25.3	22.4	20.4	18.7	16.0	14.2	12.1
		063	85.1	68.4	64.8	59.4	52.6	48.0	44.0	37.5	33.5	28.5
		080	164	156	156	153	136	124	113	97	86	74
		110	359	341	337	309	273	249	229	195	174	147
		140	950	695	658	603	534	487	446	380	338	285
	180	2100	1410	1330	1220	1080	980	900	770	680	570	
	250	5840	4030	3820	3500	3100	2820	2580	2190	1940	1590	
	240	025	2.13	1.79	1.70	1.56	1.38	1.26	1.17	0.99	0.89	0.76
		032	3.66	3.08	2.92	2.68	2.37	2.17	2.01	1.71	1.53	1.30
		040	10.9	10.4	10.4	10.4	10.4	10.4	10.3	8.8	7.9	6.7
		050	37.9	29.4	27.9	25.6	22.6	20.8	19.1	16.3	14.6	12.4
		063	85.1	69.2	65.5	60.1	53.2	48.8	45.0	38.4	34.3	29.2
		080	164	158	158	155	137	126	116	99	89	75
		110	359	345	341	313	277	254	234	200	178	151
		140	950	703	666	611	540	496	457	390	347	294
	180	2100	1420	1350	1240	1090	1000	920	790	700	590	
	250	5840	4080	3860	3540	3140	2870	2650	2250	1990	1660	
	270	025	2.13	1.81	1.71	1.57	1.39	1.27	1.19	1.01	0.91	0.77
		032	4.77	4.05	3.83	3.52	3.11	2.86	2.66	2.27	2.03	1.70
		040	10.9	10.5	10.5	10.5	10.5	10.5	10.5	9.0	8.0	6.9
		050	37.9	29.7	28.1	25.8	22.8	20.9	19.5	16.6	14.9	12.7
		063	85.1	69.8	66.1	60.6	53.7	49.2	45.9	39.2	35.0	29.8
		080	164	159	159	156	139	127	118	101	90	77
		110	359	347	344	315	279	256	239	203	182	155
		140	950	709	671	616	545	500	466	397	354	300
180	2100	1430	1360	1250	1100	1010	940	800	710	600		
250	5840	4110	3890	3570	3160	2900	2700	2290	2040	1700		
300	025	2.13	1.82	1.72	1.58	1.40	1.28	1.20	1.03	0.92	0.79	
	032	4.77	4.07	3.86	3.54	3.13	2.87	2.69	2.31	2.06	1.80	
	040	10.9	10.6	10.6	10.6	10.6	10.6	10.6	9.1	8.2	7.0	
	050	37.9	29.8	28.2	25.9	22.9	21.0	19.7	16.9	15.1	12.9	
	063	85.1	70.2	66.5	61.0	54.0	49.5	46.3	39.8	35.5	30.3	
	080	164	160	160	157	139	128	120	103	92	78	
	110	359	349	346	317	281	257	241	207	185	157	
	140	950	713	675	620	549	503	470	404	360	306	
180	2100	1440	1370	1250	1110	1020	950	820	730	610		
250	5840	4140	3920	3590	3180	2920	2720	2330	2080	1740		
330	025	2.13	1.83	1.73	1.59	1.41	1.29	1.21	1.04	0.93	0.80	
	032	4.77	4.09	3.88	3.55	3.15	2.89	2.70	2.34	2.09	1.80	
	040	10.9	10.6	10.6	10.6	10.6	10.6	10.6	9.3	8.3	7.1	
	050	37.9	30.0	28.4	26.0	23.0	21.1	19.8	17.1	15.3	13.1	
	063	85.1	70.5	66.8	61.3	54.2	49.8	46.5	40.3	36.0	30.7	
	080	164	161	161	158	140	128	120	104	93	79	
	110	359	351	347	318	282	259	242	209	187	159	
	140	950	717	679	622	551	505	473	409	365	310	
180	2100	1450	1370	1260	1120	1020	960	830	740	620		
250	5840	4160	3930	3610	3190	2930	2740	2370	2110	1770		

Product specifications

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

Output torque table

● RGIS straight shaft (4 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						10	15	20	30	40	50	75	100	150
Compact	Roller gear cam drive	48	120	032	1.89	1.49	1.41	1.29	1.12	1.00	0.91	0.78	0.69	0.58
				040	10.2	8.87	8.40	7.70	6.67	5.96	5.47	4.66	4.16	3.53
				050	12.8	11.8	11.7	11.7	11.5	11.2	11.0	9.4	8.4	7.1
				063	25.3	22.8	22.8	22.8	22.3	21.7	21.2	20.4	19.0	16.0
				080	80.0	61.6	58.3	53.5	46.3	41.4	37.9	32.2	28.6	23.9
				110	225	203	203	199	173	154	141	120	106	88
				140	462	414	409	375	325	290	265	224	198	161
				180	1220	844	799	733	634	565	515	432	376	291
				250	3910	2260	2140	1960	1700	1510	1370	1140	970	690
Standard	Roller gear cam drive	48	150	032	2.70	2.21	2.09	1.92	1.69	1.51	1.39	1.18	1.06	0.90
				040	10.2	9.14	8.66	7.94	7.02	6.27	5.75	4.90	4.38	3.73
				050	12.8	12.1	12.1	12.1	12.1	11.8	11.5	9.9	8.8	7.5
				063	63.6	50.5	47.8	43.9	38.8	34.7	31.8	27.1	24.1	20.4
				080	108	85.5	81.0	74.3	65.6	58.6	53.7	45.8	40.8	34.5
				110	225	210	210	206	182	163	149	127	113	95
				140	462	429	425	389	344	307	281	239	212	176
				180	1220	876	829	760	671	599	547	463	407	328
				250	3910	2340	2220	2030	1790	1600	1460	1220	1060	820
Wide angle	Roller gear cam drive	48	180	032	2.70	2.25	2.13	1.96	1.73	1.57	1.44	1.23	1.10	0.93
				040	10.2	9.30	8.81	8.08	7.15	6.49	5.94	5.07	4.53	3.86
				050	12.8	12.3	12.3	12.3	12.3	12.2	11.9	10.2	9.1	7.7
				063	63.6	51.6	48.8	44.8	39.7	36.0	33.0	28.1	25.1	21.3
				080	108	87.3	82.6	75.8	67.1	60.9	55.8	47.5	42.4	36.0
				110	331	280	266	244	216	195	179	153	136	115
				140	760	534	505	463	410	372	341	290	258	216
				180	1490	1130	1070	980	870	790	720	610	540	450
				250	3910	2390	2260	2070	1830	1660	1520	1280	1120	900
Basic	Roller gear cam drive	48	210	032	2.70	2.28	2.16	1.98	1.76	1.61	1.48	1.26	1.13	0.96
				040	10.2	9.40	8.90	8.16	7.23	6.63	6.09	5.20	4.65	3.96
				050	12.8	12.4	12.4	12.4	12.4	12.4	12.2	10.5	9.3	8.0
				063	63.6	52.2	49.5	45.4	40.2	36.8	33.8	28.9	25.8	21.9
				080	152	101	95	88	78	71	65	56	50	42
				110	331	284	269	247	218	200	184	157	140	119
				140	760	541	512	470	416	381	350	298	266	224
				180	1490	1150	1080	1000	880	810	740	630	560	470
				250	4150	2930	2770	2540	2250	2060	1890	1600	1420	1160
Parallel cam drive	Roller gear cam drive	48	240	032	2.70	2.30	2.18	2.00	1.77	1.63	1.51	1.29	1.15	0.98
				040	10.2	9.47	8.96	8.22	7.28	6.68	6.21	5.30	4.74	4.04
				050	12.8	12.5	12.5	12.5	12.5	12.5	12.4	10.7	9.5	8.1
				063	63.6	52.7	49.9	45.7	40.5	37.2	34.6	29.5	26.3	22.4
				080	152	102	96	88	78	72	67	57	51	43
				110	331	286	271	249	220	202	188	160	143	121
				140	760	545	516	474	419	385	358	305	272	230
				180	1490	1160	1090	1000	890	810	760	640	570	480
				250	4150	2950	2800	2560	2270	2080	1930	1640	1450	1210
Option	Roller gear cam drive	48	270	032	2.70	2.32	2.20	2.01	1.78	1.64	1.53	1.31	1.17	1.00
				040	10.2	9.51	9.01	8.26	7.31	6.71	6.28	5.38	4.81	4.10
				050	12.8	12.6	12.6	12.6	12.6	12.6	12.6	10.8	9.7	8.2
				063	63.6	53.0	50.2	46.0	40.7	37.4	34.9	30.0	26.8	22.8
				080	152	102	97	89	79	72	67	58	52	44
				110	331	288	273	250	221	203	190	163	145	124
				140	760	549	520	477	422	387	362	310	276	234
				180	1490	1160	1100	1010	890	820	770	660	580	490
				250	4150	2970	2810	2580	2280	2090	1960	1670	1480	1240

Discontinue

Index series

● RGIS straight shaft (4 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	15	20	30	40	50	75	100	150
48	300	032	2.70	2.33	2.21	2.02	1.79	1.64	1.54	1.33	1.19	1.01
		040	10.2	9.55	9.04	8.29	7.34	6.73	6.30	5.45	4.87	4.16
		050	12.8	12.6	12.6	12.6	12.6	12.6	12.6	11.0	9.8	8.4
		063	63.6	53.2	50.4	46.2	40.9	37.5	35.1	30.4	27.2	23.1
		080	152	103	97	89	79	72	68	59	52	45
		110	331	289	274	251	222	204	191	165	147	126
		140	760	551	522	479	424	389	363	314	281	238
		180	1490	1170	1110	1010	900	820	770	670	590	500
	250	4150	2980	2820	2590	2290	2100	1960	1700	1510	1260	
	330	032	2.70	2.34	2.21	2.03	1.80	1.65	1.54	1.35	1.20	1.03
		040	10.2	9.57	9.06	8.31	7.36	6.75	6.31	5.52	4.93	4.21
		050	12.8	12.6	12.6	12.6	12.6	12.6	12.6	11.1	9.9	8.4
		063	63.6	53.4	50.5	46.4	41.0	37.6	35.2	30.8	27.5	23.4
		080	152	103	98	90	79	73	68	59	53	45
110		331	290	275	252	223	205	191	167	149	127	
140	760	553	524	480	425	390	365	318	284	241		
180	1490	1170	1110	1020	900	830	770	670	600	510		
250	4150	2990	2830	2600	2300	2110	1970	1720	1530	1290		

Product specifications

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

Output torque table

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						30	60	90	120	150	200	300	400	600	
Roller gear cam drive	Compact	150	025	1.09	0.56	0.49	0.42	0.38	0.34	0.30	0.25				
			032	1.99	1.02	0.90	0.77	0.68	0.62	0.55					
		180	025	1.09	0.63	0.56	0.48	0.43	0.39	0.35	0.29	0.25			
			032	2.69	1.56	1.39	1.19	1.06	0.97	0.86	0.73				
		210	025	1.09	0.69	0.62	0.53	0.47	0.43	0.38	0.32	0.28			
			032	2.69	1.70	1.53	1.30	1.16	1.07	0.95	0.80	0.71			
		240	025	1.09	0.73	0.66	0.57	0.51	0.46	0.41	0.35	0.31			
			032	2.69	1.81	1.64	1.40	1.25	1.15	1.02	0.87	0.77			
		Standard	270	025	1.09	0.76	0.70	0.60	0.53	0.49	0.44	0.37	0.33		
				032	2.69	1.89	1.74	1.48	1.33	1.21	1.08	0.92	0.82		
				040	10.9	6.64	6.44	6.19	6.02	5.88	5.68	4.73	4.02	2.86	
				050	19.9	12.3	12.0	11.5	11.2	10.9	10.6	10.0	9.1	6.9	
	063			85.1	44.2	40.6	34.6	30.9	28.2	25.0	20.9	18.0	13.4		
	080			164	100	97	89	79	73	64	54	46	35		
	Table		110	359	220	211	180	160	146	129	105	87			
			140	950	443	407	346	307	279	244	192	149			
			180	2860	1110	1020	860	760	690	590	450				
			250	5840	2620	2390	2020	1760	1570	1290					
			Wide angle	300	025	2.13	1.19	1.10	0.94	0.84	0.77	0.68	0.57	0.50	
					032	4.77	2.69	2.49	2.13	1.90	1.74	1.55	1.31	1.15	
	040	30.6			16.1	14.9	12.7	11.4	10.4	9.2	7.8	6.8	5.3		
	050	50.1			28.1	26.1	22.2	19.9	18.2	16.2	13.6	11.9	9.5		
	063	85.1			47.0	43.6	37.2	33.2	30.4	27.0	22.7	19.7	15.2		
	080	242			140	130	111	99	90	81	68	59	46		
Basic	110	591	286	265	226	201	184	163	135	114	81				
	140	1160	598	554	472	420	383	338	275	227					
	180	3030	1430	1330	1130	1000	910	800	630						
	250	10400	3250	3010	2540	2240	2010	1700							
	Parallell cam drive	330	025	2.13	1.25	1.17	1.00	0.89	0.82	0.73	0.61	0.54			
			032	4.77	2.83	2.65	2.26	2.02	1.85	1.65	1.40	1.24			
040			30.6	17.0	15.9	13.5	12.1	11.1	9.9	8.3	7.3	5.8			
050			50.1	29.6	27.7	23.6	21.1	19.3	17.2	14.6	12.8	10.4			
063			119	56.6	52.9	45.1	40.3	36.9	32.9	27.7	24.3	19.4			
080			242	148	138	118	105	96	86	72	64	51			
Option	120	025	1.09	0.62	0.55	0.47	0.42	0.38	0.34	0.28	0.24				
		032	2.69	1.54	1.37	1.16	1.04	0.95	0.84	0.70					
		150	025	1.09	0.71	0.63	0.54	0.48	0.44	0.39	0.33	0.29			
			032	2.69	1.75	1.56	1.33	1.19	1.09	0.97	0.82	0.71			
		Linear and Phase drive	180	025	1.09	0.76	0.69	0.59	0.52	0.48	0.43	0.36	0.32		
				032	2.69	1.89	1.71	1.46	1.30	1.19	1.06	0.90	0.79		
040	10.9			6.64	6.32	6.07	5.89	5.74	5.53	4.52	3.74	2.32			
050	19.9			12.3	11.7	11.3	11.0	10.7	10.3	9.7	8.6	6.1			
063	85.1			44.1	39.8	33.9	30.2	27.6	24.4	20.1	16.9	11.5			
080	164			100	96	87	78	71	63	52	44	30			
110	359			220	207	176	157	142	125	99	78				
140	950			443	399	338	300	271	233	175	123				
180	2860			1110	1000	840	740	660	560	390					
250	5840			2620	2340	1960	1690	1470	1160						

Discontinue

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
3	210	025	2.13	1.22	1.12	0.95	0.85	0.78	0.69	0.58	0.50	
		032	4.77	2.76	2.53	2.16	1.93	1.76	1.57	1.32	1.16	
		040	10.9	7.27	7.02	6.76	6.56	6.41	6.19	5.15	4.38	3.10
		050	50.1	28.9	26.4	22.5	20.1	18.4	16.4	13.7	11.9	9.2
		063	85.1	48.3	44.2	37.7	33.6	30.7	27.3	22.8	19.6	14.6
		080	242	144	132	112	100	92	81	68	59	45
		110	591	293	268	228	203	186	164	134	112	72
		140	1160	615	562	478	425	387	339	271	217	
	180	2860	1220	1110	940	830	750	650	490			
	250	5840	2860	2610	2190	1920	1700	1400				
	240	025	2.13	1.31	1.22	1.04	0.93	0.85	0.75	0.63	0.55	
		032	4.77	2.97	2.75	2.34	2.09	1.92	1.71	1.44	1.27	
		040	30.6	17.7	16.4	14.0	12.5	11.4	10.2	8.6	7.5	5.9
		050	50.1	30.9	28.6	24.4	21.8	20.0	17.8	15.0	13.1	10.5
		063	85.1	51.8	48.0	40.9	36.5	33.4	29.7	25.0	21.7	16.9
		080	242	154	143	122	109	100	89	75	65	51
		110	591	314	291	248	221	202	179	148	126	90
		140	1160	660	611	520	463	422	372	304	252	
	180	3030	1580	1460	1240	1100	1000	880	690	540		
	250	10400	3580	3300	2790	2460	2210	1880	1340			
	270	025	2.13	1.39	1.30	1.11	0.99	0.91	0.81	0.68	0.60	
		032	7.41	4.87	4.56	3.89	3.48	3.19	2.84	2.42	2.14	
		040	41.6	26.1	24.4	20.8	18.6	17.0	15.2	12.9	11.4	9.3
		050	50.1	32.6	30.5	26.0	23.2	21.3	19.0	16.0	14.1	11.5
		063	85.1	54.6	51.1	43.6	39.0	35.7	31.8	26.8	23.5	18.8
		080	242	163	152	130	116	106	95	80	70	57
		110	591	332	310	264	236	216	192	160	138	104
		140	1160	697	652	556	495	452	400	331	280	195
180	3030	1670	1560	1330	1180	1080	950	770	620			
250	10400	3770	3520	2990	2640	2390	2060	1540				
300	025	2.89	1.97	1.86	1.59	1.42	1.30	1.16	0.98	0.87		
	032	7.41	5.09	4.81	4.11	3.67	3.36	3.00	2.55	2.27		
	040	41.6	27.2	25.7	22.0	19.6	18.0	16.0	13.6	12.0	10.0	
	050	67.0	45.2	42.7	36.4	32.5	29.8	26.6	22.6	20.0	16.6	
	063	119	65.0	61.4	52.4	46.8	42.9	38.2	32.4	28.5	23.3	
	080	262	207	204	174	156	142	127	108	95	79	
	110	738	451	426	364	325	297	264	223	195	154	
	140	1640	907	857	731	652	596	529	443	382	289	
180	3030	1740	1650	1400	1250	1140	1010	820	690			
250	10400	3930	3710	3150	2790	2530	2200	1710	1280			
330	025	2.89	2.04	1.93	1.66	1.48	1.36	1.21	1.03	0.91		
	032	7.41	5.27	4.99	4.29	3.83	3.51	3.14	2.67	2.38		
	040	41.6	28.2	26.7	22.9	20.5	18.7	16.7	14.2	12.6	10.5	
	050	67.0	46.7	44.2	38.0	33.9	31.1	27.8	23.6	20.9	17.5	
	063	129	106	106	97	87	80	71	60	54	45	
	080	262	214	211	182	162	149	133	113	100	83	
	110	738	467	442	379	339	310	276	233	205	165	
	140	1640	939	888	763	681	623	554	465	405	315	
180	3030	1800	1710	1460	1310	1190	1060	870	740	520		
250	10400	4070	3840	3290	2920	2650	2320	1840	1440			

Product specifications

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

Output torque table

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)												
						Input shaft rotational speed (rpm)												
						30	60	90	120	150	200	300	400	600				
Compact	Roller gear cam drive	4	90	032	1.39	0.78	0.69	0.59	0.53	0.48	0.42	0.34						
				120	025	1.09	0.72	0.64	0.55	0.49	0.45	0.40	0.33	0.29				
					032	1.39	0.92	0.82	0.70	0.62	0.57	0.51	0.42	0.36				
					025	1.49	0.83	0.75	0.63	0.57	0.52	0.45	0.37	0.31				
				Standard	Roller gear cam drive	4	150	032	2.70	1.52	1.37	1.17	1.04	0.95	0.84	0.69	0.58	
								040	10.2	6.66	5.98	5.08	4.52	4.10	3.58	2.83	2.20	0.95
								050	12.8	8.90	8.44	8.11	7.87	7.66	7.36	5.99	4.90	2.89
								063	63.6	35.4	31.8	27.0	24.1	21.9	19.3	15.7	12.9	7.8
								080	108	59.7	53.6	45.6	40.5	36.8	32.2	25.6	20.3	9.8
								110	331	193	173	147	130	118	103	79	59	18
140	760	362	324					275	242	218	185	132	82					
180	1490	768	686					577	503	445	362	211						
250	4150	1990	1770					1460	1250	1060	780							
Table	Roller gear cam drive	4	180					025	1.49	0.92	0.84	0.71	0.64	0.58	0.52	0.43	0.37	
				032	2.70	1.68	1.54	1.31	1.17	1.07	0.95	0.79	0.68					
				040	10.9	7.79	7.52	7.23	7.03	6.87	6.64	5.53	4.71	3.37				
				050	19.9	14.4	13.9	13.4	13.0	12.7	12.3	11.7	10.6	8.1				
				063	63.6	38.9	35.6	30.3	27.0	24.7	21.9	18.1	15.4	10.9				
				080	152	75.0	68.5	58.4	52.0	47.5	41.9	34.5	28.9	19.3				
				110	359	258	246	210	187	170	150	122	101	63				
				140	950	522	476	405	359	326	285	225	174					
				180	2100	1060	960	820	720	650	550	400	260					
				250	4150	2190	1990	1670	1450	1270	1020	530						
Wide angle	Roller gear cam drive	4	210	025	2.13	1.41	1.31	1.12	1.00	0.91	0.81	0.68	0.60					
				032	4.77	3.18	2.95	2.52	2.25	2.06	1.84	1.55	1.37					
				040	17.9	13.9	13.4	13.1	12.8	12.3	10.9	9.2	8.0	6.4				
				050	19.9	15.4	15.1	14.5	14.2	13.8	13.4	12.8	11.7	9.3				
				063	63.6	41.7	38.6	33.0	29.4	26.9	23.9	20.0	17.3	13.1				
				080	164	126	124	113	101	92	82	69	60	47				
				110	359	276	268	228	203	186	164	136	116	82				
				140	950	560	518	441	393	358	315	255	208	123				
				180	2100	1130	1050	890	790	720	620	480	350					
				250	4150	2350	2160	1830	1600	1430	1190	770						
Basic	Roller gear cam drive	4	240	025	2.13	1.49	1.40	1.19	1.06	0.97	0.87	0.73	0.65					
				032	4.77	3.35	3.15	2.69	2.40	2.20	1.96	1.66	1.47					
				040	17.9	14.6	14.5	14.0	13.6	13.1	11.6	9.9	8.7	7.0				
				050	19.9	16.2	16.1	15.5	15.1	14.7	14.3	13.7	12.6	10.2				
				063	63.6	43.9	41.1	35.1	31.3	28.7	25.5	21.5	18.7	14.7				
				080	164	133	132	120	107	98	88	74	65	52				
				110	359	291	285	243	217	198	176	147	127	95				
				140	950	589	552	471	419	383	338	278	234	158				
				180	2100	1190	1120	950	840	770	670	530	420	200				
				250	5840	3450	3230	2740	2420	2190	1880	1410	970					
Option	Roller gear cam drive	4	270	025	2.13	1.55	1.47	1.25	1.12	1.03	0.92	0.78	0.69					
				032	4.77	3.49	3.30	2.82	2.52	2.31	2.06	1.75	1.55					
				040	17.9	15.1	15.1	14.6	14.2	13.7	12.2	10.4	9.2	7.5				
				050	19.9	16.8	16.8	16.2	15.8	15.5	15.0	14.4	13.3	11.0				
				063	63.6	45.5	43.1	36.8	32.9	30.1	26.8	22.7	19.9	16.0				
				080	164	138	138	126	113	103	92	78	69	56				
				110	591	367	348	297	265	243	216	182	158	124				
				140	1160	775	733	626	558	510	453	378	326	243				
				180	2860	1530	1450	1240	1100	1000	890	720	600	380				
				250	5840	3580	3380	2880	2550	2310	2010	1560	1170					

Discontinue

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
4	300	025	2.13	1.60	1.51	1.31	1.17	1.07	0.95	0.81	0.72	
		032	4.77	3.59	3.40	2.94	2.62	2.40	2.15	1.83	1.62	
		040	30.6	21.3	20.2	17.4	15.6	14.3	12.7	10.8	9.6	7.9
		050	50.1	37.1	35.1	30.3	27.1	24.8	22.1	18.8	16.7	13.9
		063	85.1	62.3	59.0	50.9	45.5	41.7	37.2	31.5	27.9	23.0
		080	164	142	142	131	117	107	96	81	72	59
		110	591	378	358	309	276	252	225	190	166	133
		140	1160	798	755	651	581	532	473	396	344	266
		180	2860	1580	1490	1290	1150	1050	930	760	650	450
	250	5840	3680	3480	2990	2660	2420	2110	1680	1320		
	330	025	2.13	1.64	1.55	1.35	1.21	1.10	0.99	0.84	0.74	
		032	4.77	3.68	3.48	3.03	2.71	2.48	2.22	1.89	1.68	
		040	30.6	21.8	20.7	18.0	16.1	14.7	13.1	11.2	9.9	8.3
		050	50.1	37.9	35.9	31.2	27.9	25.6	22.8	19.4	17.2	14.4
		063	85.1	63.8	60.4	52.5	46.9	43.0	38.4	32.6	28.9	24.0
		080	164	145	145	135	121	111	99	84	75	62
		110	591	386	366	318	284	260	232	196	173	140
		140	1160	816	773	672	600	549	489	411	359	284
		180	2860	1620	1530	1330	1180	1080	960	800	680	500
	250	5840	3760	3560	3090	2750	2500	2200	1770	1430	800	
	5	120	040	7.19	4.92	4.36	3.70	3.27	2.95	2.53	1.88	1.27
050			13.1	8.31	7.38	6.27	5.55	5.02	4.35	3.32	2.40	
063			16.4	11.2	10.5	10.0	9.7	9.3	8.8	6.6	4.6	
080			80.0	45.0	39.9	33.9	30.0	27.1	23.4	17.6	12.4	
110			200	94.1	83.3	70.3	61.6	54.9	45.7	29.6	13.1	
140			420	245	217	182	159	140	115	67	16	
180			976	464	407	337	285	241	172			
250			2870	1330	1150	930	750	590	320			
150			032	1.89	1.20	1.09	0.93	0.83	0.75	0.67	0.55	0.46
		040	7.19	5.45	4.94	4.20	3.73	3.39	2.97	2.35	1.84	0.83
		050	12.8	9.86	9.45	9.09	8.83	8.61	8.31	6.87	5.77	3.88
		063	25.3	18.5	17.7	17.1	16.5	16.1	15.5	14.4	12.6	8.2
		080	108	67.0	60.8	51.8	46.1	42.0	37.0	30.1	24.7	15.0
		110	225	165	158	144	128	116	102	80	63	28
		140	462	335	317	269	237	214	184	137	93	
		180	976	523	471	396	344	302	242			
		250	2870	1490	1340	1110	940	800	580			
180		032	2.70	1.86	1.71	1.46	1.31	1.19	1.06	0.89	0.78	
		040	10.2	7.92	7.31	6.23	5.55	5.07	4.48	3.70	3.12	2.15
		050	12.8	10.5	10.3	9.9	9.6	9.4	9.1	7.6	6.6	4.9
		063	25.3	20.0	19.5	18.7	18.2	17.8	17.2	16.2	14.5	10.7
		080	108	72.4	66.8	56.9	50.8	46.4	41.1	34.0	28.9	20.4
		110	225	178	174	158	141	129	113	92	76	47
		140	462	362	349	296	263	239	208	164	126	51
		180	1220	739	680	575	507	456	388	276	169	
		250	3910	1990	1820	1530	1340	1180	960	550		
		210	032	2.70	1.96	1.84	1.57	1.40	1.28	1.14	0.96	0.85
	040		14.8	8.30	7.77	6.62	5.91	5.40	4.79	4.00	3.44	2.55
	050		12.8	11.0	10.9	10.5	10.2	9.9	9.6	8.1	7.1	5.5
	063		63.6	45.2	42.3	36.1	32.2	29.4	26.2	22.0	19.2	15.1
	080		152	87.1	81.5	69.5	62.0	56.7	50.4	42.2	36.6	28.0
	110		331	246	230	196	175	160	141	117	100	72
	140		462	382	373	318	283	257	226	183	149	85
	180		1490	986	922	783	695	630	548	427	323	111
	250		4150	2540	2370	2000	1760	1580	1340	940	550	

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
Wide angle	
Basic	
Parallel cam drive	
Pit and Rack drive	Linear
	Circular
Option	

Output torque table

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						30	60	90	120	150	200	300	400	600	
Roller gear cam drive	5	240	025	1.49	1.12	1.06	0.90	0.81	0.74	0.66	0.56	0.49			
			032	2.70	2.04	1.93	1.65	1.47	1.35	1.20	1.02	0.90			
			040	10.9	9.39	9.39	9.05	8.81	8.63	8.38	7.12	6.26	5.04		
			050	37.9	26.6	25.1	21.5	19.2	17.6	15.7	13.3	11.7	9.6		
			063	63.6	46.9	44.4	37.9	33.8	31.0	27.6	23.3	20.5	16.4		
			080	152	90.4	85.6	73.1	65.2	59.7	53.1	44.7	39.1	30.9		
			110	331	255	241	206	184	168	149	125	108	82		
			140	760	483	457	390	348	317	281	231	195	133		
			180	1490	1020	970	830	730	670	590	470	370	190		
			250	4150	2630	2490	2110	1870	1690	1450	1080	750			
	270	025	1.49	1.15	1.09	0.94	0.84	0.77	0.69	0.58	0.51				
		032	3.66	2.84	2.69	2.32	2.08	1.90	1.70	1.44	1.28				
		040	10.9	9.65	9.65	9.41	9.16	8.97	8.72	7.42	6.55	5.36			
		050	37.9	27.3	25.8	22.3	19.9	18.2	16.3	13.8	12.2	10.1			
		063	63.6	48.2	45.6	39.4	35.2	32.2	28.7	24.3	21.4	17.5			
		080	152	92.9	87.9	75.9	67.8	62.1	55.3	46.7	41.1	33.1			
		110	359	319	315	272	243	222	198	167	146	116			
		140	760	497	470	406	362	331	293	244	208	152			
		180	1490	1050	1000	860	760	700	610	500	410	250			
		250	4150	2710	2560	2200	1950	1760	1530	1190	890	260			
	300	025	1.49	1.18	1.11	0.97	0.87	0.79	0.71	0.60	0.53				
		032	3.66	2.90	2.75	2.40	2.14	1.96	1.75	1.49	1.32				
		040	10.9	9.85	9.85	9.70	9.44	9.25	9.00	7.67	6.79	5.60			
		050	37.9	27.8	26.3	23.0	20.5	18.8	16.8	14.3	12.6	10.5			
		063	63.6	49.1	46.5	40.6	36.2	33.2	29.6	25.1	22.2	18.3			
080		152	94.8	89.8	78.3	69.9	64.0	57.1	48.3	42.6	34.8				
110		359	326	322	280	250	229	204	173	152	123				
140		760	508	480	418	373	341	303	254	219	166				
180		1490	1080	1020	890	790	720	640	520	440	290				
250		4150	2760	2610	2270	2010	1830	1600	1270	990	450				
330	025	1.49	1.20	1.13	1.00	0.89	0.81	0.73	0.62	0.55					
	032	3.66	2.95	2.79	2.46	2.20	2.01	1.80	1.53	1.36					
	040	10.9	10.0	10.0	9.9	9.7	9.5	9.2	7.9	7.0	5.8				
	050	37.9	28.3	26.7	23.5	21.0	19.3	17.2	14.6	13.0	10.9				
	063	63.6	49.9	47.3	41.6	37.1	34.0	30.4	25.8	22.8	19.0				
	080	152	96.4	91.2	80.2	71.6	65.6	58.5	49.6	43.9	36.2				
	110	359	331	327	287	257	235	210	178	157	128				
	140	760	516	488	429	383	350	312	262	228	177				
	180	1490	1090	1030	910	810	740	660	540	460	330				
	250	4150	2800	2650	2320	2070	1880	1650	1330	1070	580				
Option	60	025	1.09	0.60	0.53	0.45	0.40	0.37	0.32	0.26	0.21				
		032	2.69	1.49	1.32	1.13	1.00	0.91	0.80	0.66					
		040	10.9	6.52	6.11	5.85	5.65	5.48	5.20	4.03	2.98	0.81			
	90	025	1.09	0.75	0.67	0.57	0.51	0.46	0.41	0.35	0.30				
		032	2.69	1.86	1.65	1.41	1.26	1.15	1.02	0.86	0.75				
		040	10.9	6.52	6.11	5.85	5.65	5.48	5.20	4.03	2.98	0.81			
		050	19.9	12.1	11.3	10.9	10.5	10.2	9.8	8.8	7.4	3.8			
		063	85.1	43.4	38.5	32.8	29.1	26.4	23.1	18.3	14.3	6.3			
		080	164	98.7	92.5	84.4	75.0	68.1	59.6	47.4	37.3	17.7			
		110	591	263	234	198	175	158	135	100	67				
		140	950	436	385	325	284	252	209	131					
		180	2860	1090	960	800	690	610	480	220					
		250	5840	2570	2240	1830	1520	1240	790						

Discontinue

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
6	120	025	2.89	1.78	1.60	1.36	1.21	1.11	0.99	0.82	0.71	
		032	7.41	4.61	4.14	3.53	3.15	2.88	2.57	2.16	1.89	
		040	41.6	24.7	22.2	18.9	16.9	15.4	13.7	11.4	9.9	7.4
		050	67.0	41.1	36.9	31.5	28.1	25.7	22.8	19.1	16.5	12.6
		063	119	59.1	53.0	45.2	40.3	36.8	32.6	27.0	22.9	16.2
		080	262	188	176	150	134	122	109	90	78	57
		110	738	410	368	313	279	254	224	182	149	90
		140	1640	822	737	626	556	505	441	347	269	
	180	4270	2210	1980	1680	1480	1340	1150	860	600		
	250	10400	3570	3180	2670	2320	2030	1620				
	150	025	3.76	2.56	2.35	2.00	1.79	1.64	1.46	1.23	1.08	
		032	7.41	5.09	4.66	3.98	3.55	3.25	2.90	2.46	2.17	
		040	41.6	27.2	24.9	21.3	19.0	17.4	15.5	13.0	11.4	9.1
		050	67.0	45.2	41.4	35.3	31.5	28.8	25.7	21.7	19.1	15.3
		063	129	102	99	90	81	74	66	56	49	39
		080	262	207	198	169	151	138	123	103	90	71
		110	738	451	413	352	314	287	254	211	180	130
		140	1640	907	830	707	629	574	506	413	343	218
	180	4270	2440	2230	1890	1680	1530	1340	1070	840		
	250	10400	3930	3580	3030	2660	2380	2010	1370			
	180	025	3.76	2.73	2.54	2.17	1.94	1.78	1.59	1.35	1.19	
		032	7.41	5.42	5.05	4.31	3.85	3.53	3.15	2.67	2.37	
		040	41.6	28.9	26.9	23.0	20.5	18.8	16.8	14.2	12.5	10.2
		050	67.0	47.9	44.6	38.1	34.0	31.2	27.8	23.6	20.8	17.1
		063	129	109	107	98	87	80	71	60	53	44
		080	431	268	249	213	190	174	155	131	116	94
		110	903	606	564	481	430	393	350	294	256	201
		140	2230	1190	1110	950	840	770	680	570	490	360
180	4270	2590	2410	2050	1830	1670	1470	1200	1000	630		
250	10400	4170	3870	3290	2910	2620	2260	1690	1170			
210	025	3.76	2.86	2.70	2.30	2.06	1.88	1.68	1.43	1.27		
	032	7.41	5.66	5.34	4.56	4.07	3.73	3.33	2.84	2.52		
	040	41.6	30.1	28.5	24.3	21.7	19.9	17.7	15.1	13.3	11.1	
	050	67.0	49.9	47.1	40.2	35.9	32.9	29.4	24.9	22.1	18.4	
	063	129	113	113	103	92	84	75	64	57	47	
	080	431	279	263	225	201	184	164	139	123	102	
	110	903	631	596	508	454	416	370	313	275	221	
	140	2230	1240	1170	1000	890	820	730	610	530	410	
180	4270	2700	2550	2170	1940	1770	1570	1300	1100	780		
250	10400	4340	4090	3480	3090	2800	2440	1910	1450			
240	025	3.76	2.94	2.79	2.40	2.15	1.97	1.76	1.49	1.33		
	032	7.41	5.83	5.52	4.75	4.25	3.89	3.48	2.96	2.64		
	040	41.6	31.0	29.4	25.3	22.6	20.7	18.5	15.7	14.0	11.7	
	050	67.0	51.3	48.5	41.8	37.4	34.2	30.6	26.0	23.1	19.4	
	063	129	116	116	107	96	88	78	67	59	50	
	080	431	287	271	234	209	191	171	145	129	108	
	110	903	649	614	529	473	433	386	327	289	236	
	140	2230	1280	1210	1040	930	850	760	640	560	450	
180	4270	2780	2630	2270	2020	1850	1640	1370	1180	890		
250	10400	4470	4220	3630	3220	2930	2570	2060	1650			

Product specifications

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

Output torque table

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						30	60	90	120	150	200	300	400	600	
Roller gear cam drive	Compact	6	270	025	3.76	3.01	2.85	2.48	2.22	2.03	1.81	1.55	1.38		
				032	7.41	5.95	5.64	4.91	4.39	4.02	3.59	3.06	2.73		
				040	41.6	31.7	30.0	26.1	23.3	21.4	19.1	16.2	14.4	12.1	
				050	67.0	52.3	49.5	43.1	38.5	35.3	31.5	26.8	23.9	20.1	
				063	129	119	119	111	99	91	81	69	61	52	
				080	431	293	277	241	216	198	176	150	133	112	
				110	1270	825	781	680	608	557	497	422	374	311	
				140	2230	1310	1240	1080	960	880	790	680	580	470	
				180	4270	2840	2690	2340	2090	1910	1700	1430	1240	960	
				250	10400	4560	4310	3740	3330	3040	2680	2180	1790	1100	
	Standard	6	300	025	3.76	3.06	2.90	2.55	2.27	2.08	1.86	1.59	1.41		
				032	7.41	6.05	5.73	5.03	4.50	4.12	3.68	3.14	2.80		
				040	41.6	32.1	30.4	26.7	23.9	21.9	19.6	16.7	14.8	12.5	
				050	67.0	53.1	50.2	44.2	39.5	36.2	32.3	27.5	24.5	20.7	
				063	129	120	120	113	101	93	83	71	63	53	
				080	431	297	281	247	221	203	181	154	137	115	
				110	1270	838	793	697	623	571	510	433	385	321	
				140	2230	1330	1260	1100	990	900	810	680	600	490	
				180	4270	2890	2730	2400	2140	1960	1750	1470	1290	1020	
				250	10400	4620	4370	3840	3420	3120	2760	2270	1900	1280	
	Table	6	330	025	3.76	3.10	2.93	2.60	2.32	2.13	1.90	1.62	1.45		
				032	7.41	6.12	5.80	5.13	4.59	4.21	3.76	3.21	2.86		
				040	41.6	32.5	30.8	27.3	24.4	22.4	20.0	17.0	15.2	12.8	
				050	67.0	53.7	50.8	45.0	40.3	36.9	33.0	28.1	25.0	21.2	
				063	129	122	122	116	103	95	85	72	64	54	
080				431	301	285	252	226	207	185	157	140	118		
110				1270	847	802	710	636	582	520	442	393	330		
140				2230	1340	1270	1130	1010	920	820	700	620	510		
180				4270	2920	2760	2450	2190	2000	1780	1510	1320	1070		
250				10400	4680	4420	3910	3490	3190	2820	2340	1990	1410		
Wide angle	6	330	025	3.76	3.10	2.93	2.60	2.32	2.13	1.90	1.62	1.45			
			032	7.41	6.12	5.80	5.13	4.59	4.21	3.76	3.21	2.86			
			040	41.6	32.5	30.8	27.3	24.4	22.4	20.0	17.0	15.2	12.8		
			050	67.0	53.7	50.8	45.0	40.3	36.9	33.0	28.1	25.0	21.2		
			063	129	122	122	116	103	95	85	72	64	54		
			080	431	301	285	252	226	207	185	157	140	118		
			110	1270	847	802	710	636	582	520	442	393	330		
			140	2230	1340	1270	1130	1010	920	820	700	620	510		
			180	4270	2920	2760	2450	2190	2000	1780	1510	1320	1070		
			250	10400	4680	4420	3910	3490	3190	2820	2340	1990	1410		
Basic	6	330	025	3.76	3.10	2.93	2.60	2.32	2.13	1.90	1.62	1.45			
			032	7.41	6.12	5.80	5.13	4.59	4.21	3.76	3.21	2.86			
			040	41.6	32.5	30.8	27.3	24.4	22.4	20.0	17.0	15.2	12.8		
			050	67.0	53.7	50.8	45.0	40.3	36.9	33.0	28.1	25.0	21.2		
			063	129	122	122	116	103	95	85	72	64	54		
			080	431	301	285	252	226	207	185	157	140	118		
			110	1270	847	802	710	636	582	520	442	393	330		
			140	2230	1340	1270	1130	1010	920	820	700	620	510		
			180	4270	2920	2760	2450	2190	2000	1780	1510	1320	1070		
			250	10400	4680	4420	3910	3490	3190	2820	2340	1990	1410		
Parallel cam drive	8	45	032	1.39	0.76	0.67	0.57	0.50	0.46	0.39	0.30				
			060	1.39	0.89	0.79	0.68	0.60	0.55	0.48	0.39	0.32			
		90	025	2.13	1.31	1.16	0.99	0.88	0.80	0.71	0.58	0.48			
			032	4.77	2.95	2.63	2.24	2.00	1.82	1.62	1.34	1.15			
			040	10.9	7.76	7.28	6.99	6.77	6.59	6.31	5.09	4.08	2.18		
			050	50.1	30.8	27.4	23.3	20.8	19.0	16.8	13.8	11.6	7.9		
			063	85.1	51.6	45.8	39.0	34.7	31.7	27.9	22.7	18.7	11.4		
			080	164	117	110	101	90	82	72	59	48	30		
			110	359	257	238	202	179	163	141	109	81			
			140	950	519	460	390	343	309	263	187	114			
180	2100	1050	930	780	680	600	490	280							
250	4150	2180	1900	1570	1310	1090	740								
Option	8	120	025	2.13	1.49	1.35	1.15	1.03	0.94	0.84	0.70	0.61			
			032	4.77	3.35	3.05	2.60	2.32	2.13	1.89	1.59	1.40			
			040	30.6	20.0	18.1	15.5	13.8	12.6	11.2	9.4	8.1	6.2		
			050	50.1	34.7	31.6	26.9	24.0	22.0	19.6	16.4	14.3	11.0		
			063	85.1	58.3	53.0	45.2	40.3	36.9	32.7	27.3	23.5	17.5		
			080	242	174	158	135	120	110	98	82	71	53		
			110	591	354	321	274	244	222	196	161	134	86		
			140	1160	745	677	576	512	465	408	326	260	134		
			180	2100	1190	1080	920	810	730	620	450	290			
			250	4150	2460	2220	1860	1620	1420	1130	590				

Discontinue

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
8	150	025	2.13	1.60	1.48	1.27	1.13	1.03	0.92	0.78	0.68	
		032	4.77	3.59	3.33	2.85	2.54	2.33	2.08	1.76	1.55	
		040	30.6	21.3	19.8	16.9	15.1	13.8	12.3	10.4	9.1	7.3
		050	50.1	37.1	34.4	29.3	26.2	24.0	21.4	18.1	15.9	12.8
		063	85.1	62.3	57.8	49.3	44.0	40.3	35.9	30.2	26.4	20.9
		080	242	186	172	147	131	120	107	90	79	63
		110	591	378	350	299	266	244	216	180	155	114
		140	1160	798	740	630	561	512	453	372	313	210
	180	2860	1580	1460	1240	1100	1000	880	700	550	260	
	250	5840	3680	3400	2880	2540	2290	1950	1410	900		
	180	025	2.13	1.67	1.57	1.34	1.20	1.10	0.98	0.83	0.73	
		032	4.77	3.75	3.54	3.02	2.70	2.47	2.20	1.87	1.66	
		040	30.6	22.2	21.0	17.9	16.0	14.6	13.1	11.1	9.8	8.0
		050	50.1	38.5	36.4	31.0	27.7	25.4	22.6	19.2	17.0	14.0
		063	85.1	64.9	61.2	52.2	46.6	42.7	38.1	32.2	28.4	23.1
		080	242	193	182	156	139	127	114	96	85	70
		110	738	513	484	413	369	337	300	253	221	176
		140	1640	1040	980	830	740	680	600	500	440	330
	180	2860	1640	1550	1320	1170	1070	940	770	640	400	
	250	5840	3830	3600	3060	2710	2460	2130	1640	1220		
	210	025	2.13	1.72	1.62	1.40	1.25	1.15	1.02	0.87	0.77	
		032	4.77	3.85	3.65	3.14	2.81	2.57	2.30	1.96	1.74	
		040	30.6	22.8	21.6	18.6	16.6	15.2	13.6	11.5	10.2	8.5
		050	50.1	39.5	37.4	32.3	28.8	26.4	23.6	20.0	17.8	14.8
		063	85.1	66.6	63.0	54.3	48.6	44.5	39.7	33.7	29.8	24.6
		080	242	199	188	162	145	133	118	101	89	74
		110	738	527	498	430	384	351	313	265	233	189
		140	1640	1060	1010	870	770	710	630	530	460	360
180	2860	1690	1600	1380	1230	1120	990	820	690	480		
250	5840	3930	3710	3190	2830	2580	2260	1800	1420	690		
240	025	2.13	1.75	1.66	1.45	1.29	1.18	1.06	0.90	0.80		
	032	4.77	3.92	3.71	3.24	2.90	2.65	2.37	2.02	1.80		
	040	30.6	23.2	22.0	19.2	17.1	15.7	14.0	11.9	10.6	8.9	
	050	50.1	40.2	38.1	33.2	29.7	27.2	24.3	20.7	18.4	15.4	
	063	85.1	67.8	64.2	56.0	50.0	45.8	40.9	34.8	30.8	25.7	
	080	242	202	191	167	149	137	122	104	92	77	
	110	738	536	507	443	395	362	323	274	242	199	
	140	1640	1080	1030	890	800	730	650	550	480	390	
180	2860	1720	1630	1420	1270	1160	1030	860	740	550		
250	5840	3990	3780	3290	2930	2670	2350	1900	1560	930		
270	025	2.13	1.77	1.68	1.48	1.32	1.21	1.08	0.92	0.82		
	032	4.77	3.97	3.76	3.32	2.97	2.72	2.43	2.07	1.84		
	040	30.6	23.5	22.3	19.6	17.5	16.1	14.4	12.2	10.9	9.1	
	050	50.1	40.7	38.5	34.0	30.4	27.8	24.9	21.2	18.8	15.9	
	063	85.1	68.6	65.0	57.3	51.2	46.9	41.9	35.6	31.7	26.5	
	080	262	249	246	217	194	178	159	135	121	101	
	110	738	542	513	453	405	371	331	281	249	207	
	140	1640	1100	1040	920	820	750	670	570	500	410	
180	2860	1740	1650	1450	1300	1190	1050	880	770	590		
250	5840	4040	3820	3370	3000	2740	2420	1990	1660	1100		

Product specifications

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

Output torque table

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						30	60	90	120	150	200	300	400	600	
Roller gear cam drive	Compact	8	300	025	2.89	2.43	2.30	2.03	1.83	1.68	1.50	1.28	1.14		
				032	4.77	4.01	3.80	3.36	3.02	2.77	2.48	2.11	1.88		
				040	30.6	23.7	22.5	19.9	17.9	16.4	14.6	12.5	11.1	9.4	
				050	50.1	41.1	38.9	34.4	30.9	28.3	25.3	21.6	19.2	16.2	
				063	85.1	69.2	65.5	58.0	52.2	47.8	42.7	36.3	32.3	27.2	
				080	262	252	249	220	198	181	162	138	123	104	
				110	738	547	518	459	412	378	337	287	254	212	
				140	1640	1110	1050	930	830	760	680	580	510	420	
				180	2860	1760	1660	1470	1320	1210	1080	910	790	620	
				250	5840	4080	3860	3410	3060	2790	2470	2050	1740	1230	
	Standard	8	330	025	2.89	2.44	2.31	2.05	1.86	1.70	1.52	1.30	1.16		
				032	4.77	4.04	3.83	3.39	3.07	2.82	2.52	2.14	1.91		
				040	30.6	23.9	22.6	20.0	18.2	16.6	14.9	12.7	11.3	9.5	
				050	50.1	41.3	39.1	34.6	31.4	28.8	25.7	21.9	19.5	16.5	
				063	85.1	69.7	66.0	58.4	53.0	48.5	43.4	36.9	32.9	27.7	
				080	262	253	250	222	201	184	165	140	125	106	
				110	738	551	522	462	419	384	342	291	259	217	
				140	1640	1120	1060	940	850	780	690	590	520	430	
				180	2860	1770	1680	1480	1340	1230	1100	920	810	650	
				250	5840	4110	3890	3440	3110	2840	2520	2100	1800	1330	
	Table	8	90	032	2.70	1.78	1.58	1.35	1.20	1.10	0.97	0.79	0.67		
				040	10.9	8.22	7.72	7.42	7.20	7.01	6.74	5.49	4.49	2.66	
				050	37.9	23.3	20.8	17.7	15.8	14.4	12.7	10.4	8.7	5.7	
				063	63.6	41.1	36.5	31.1	27.7	25.2	22.2	17.9	14.6	8.5	
				080	152	79.2	70.4	59.9	53.2	48.4	42.4	33.8	26.8	13.2	
110				331	224	199	169	149	135	117	90	66	15		
140				760	422	374	317	279	250	212	149	87			
180				1490	894	791	664	578	509	411	228				
250				4150	2310	2030	1670	1420	1200	860					
Wide angle				8	120	025	1.49	1.08	0.99	0.84	0.75	0.69	0.61	0.51	0.44
	032	2.70	1.98			1.81	1.54	1.38	1.26	1.12	0.94	0.81			
	040	10.9	9.12			8.80	8.47	8.24	8.05	7.79	6.52	5.59	4.12		
	050	37.9	25.8			23.6	20.1	18.0	16.4	14.6	12.2	10.6	8.1		
	063	63.6	45.5			41.6	35.5	31.6	28.9	25.6	21.3	18.3	13.3		
	080	152	87.8			80.2	68.4	60.9	55.6	49.2	40.7	34.4	24.0		
	110	359	302			288	245	218	199	176	144	121	79		
	140	760	469			428	364	323	293	255	200	153			
	180	2100	1240			1130	960	850	760	660	490	340			
	250	4150	2560			2320	1950	1700	1500	1220	700				
Basic	8	150	025	2.13	1.65	1.54	1.31	1.17	1.07	0.95	0.81	0.71			
			032	3.66	2.84	2.65	2.26	2.02	1.85	1.65	1.40	1.23			
			040	10.9	9.65	9.50	9.15	8.91	8.72	8.46	7.15	6.24	4.91		
			050	37.9	27.3	25.4	21.7	19.4	17.7	15.8	13.3	11.7	9.4		
			063	85.1	64.1	59.7	51.0	45.5	41.7	37.1	31.3	27.5	22.0		
			080	164	146	144	131	117	107	96	81	71	57		
			110	359	319	311	265	236	216	192	160	138	102		
			140	950	649	605	515	459	419	370	303	254	168		
			180	2100	1310	1220	1040	920	840	730	580	450	210		
			250	5840	3780	3510	2980	2630	2380	2040	1510	1020			
Option	8	150	025	2.13	1.65	1.54	1.31	1.17	1.07	0.95	0.81	0.71			
			032	3.66	2.84	2.65	2.26	2.02	1.85	1.65	1.40	1.23			
			040	10.9	9.65	9.50	9.15	8.91	8.72	8.46	7.15	6.24	4.91		
			050	37.9	27.3	25.4	21.7	19.4	17.7	15.8	13.3	11.7	9.4		
			063	85.1	64.1	59.7	51.0	45.5	41.7	37.1	31.3	27.5	22.0		
			080	164	146	144	131	117	107	96	81	71	57		
			110	359	319	311	265	236	216	192	160	138	102		
			140	950	649	605	515	459	419	370	303	254	168		
			180	2100	1310	1220	1040	920	840	730	580	450	210		
			250	5840	3780	3510	2980	2630	2380	2040	1510	1020			

Discontinue

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
9	180	025	2.13	1.71	1.62	1.38	1.23	1.13	1.01	0.85	0.76	
		032	4.77	3.83	3.63	3.10	2.77	2.54	2.26	1.92	1.71	
		040	10.9	9.98	9.98	9.63	9.37	9.18	8.92	7.58	6.67	5.40
		050	51.5	39.3	37.2	31.8	28.4	26.0	23.2	19.7	17.5	14.5
		063	85.1	66.2	62.7	53.6	47.9	43.8	39.1	33.1	29.2	23.9
		080	164	151	151	138	123	113	101	85	75	62
		110	359	330	326	278	249	227	202	170	148	116
		140	950	671	635	542	484	442	392	326	280	205
	180	2860	1680	1590	1360	1210	1100	970	800	660	430	
	250	5840	3910	3690	3140	2790	2530	2200	1720	1310	470	
	210	025	2.13	1.75	1.65	1.43	1.28	1.17	1.05	0.89	0.79	
		032	4.77	3.92	3.71	3.21	2.87	2.63	2.35	2.00	1.78	
		040	30.6	23.2	21.9	19.0	17.0	15.6	13.9	11.8	10.5	8.7
		050	51.5	40.1	38.0	32.9	29.4	27.0	24.1	20.5	18.2	15.2
		063	85.1	67.6	64.0	55.5	49.6	45.4	40.5	34.4	30.5	25.3
		080	164	154	154	143	128	117	105	89	79	65
		110	359	337	333	288	258	236	210	177	156	125
		140	1160	868	821	712	635	581	517	435	379	297
	180	2860	1720	1620	1410	1250	1140	1010	840	720	510	
	250	5840	3990	3770	3260	2900	2640	2310	1860	1490	800	
	240	025	2.13	1.77	1.68	1.47	1.32	1.21	1.08	0.92	0.81	
		032	4.77	3.97	3.76	3.30	2.95	2.70	2.42	2.06	1.83	
		040	30.6	23.5	22.3	19.5	17.5	16.0	14.3	12.1	10.8	9.0
		050	51.5	40.7	38.5	33.8	30.2	27.7	24.7	21.0	18.7	15.7
		063	85.1	68.6	65.0	57.0	50.9	46.7	41.6	35.4	31.5	26.3
		080	164	156	156	147	131	120	107	91	81	68
		110	359	341	338	296	265	242	216	183	161	131
		140	1160	881	834	731	653	598	532	449	395	317
180	2860	1740	1650	1440	1290	1180	1050	870	760	570		
250	5840	4040	3820	3350	2980	2720	2400	1960	1620	1020		
270	025	2.13	1.79	1.70	1.50	1.34	1.23	1.10	0.94	0.83		
	032	4.77	4.02	3.80	3.37	3.01	2.76	2.47	2.10	1.87		
	040	30.6	23.7	22.5	19.9	17.8	16.3	14.6	12.4	11.1	9.3	
	050	51.5	41.1	38.9	34.4	30.8	28.3	25.2	21.5	19.1	16.1	
	063	85.1	69.3	65.6	58.1	52.0	47.6	42.5	36.2	32.2	27.0	
	080	164	158	158	150	134	123	110	93	83	70	
	110	359	345	341	302	270	247	221	187	166	136	
	140	1160	890	842	746	667	611	545	461	406	331	
180	2860	1760	1670	1470	1320	1200	1070	900	780	610		
250	5840	4080	3860	3410	3050	2780	2460	2030	1710	1170		
300	025	2.13	1.81	1.71	1.51	1.37	1.25	1.12	0.95	0.85		
	032	4.77	4.05	3.83	3.39	3.07	2.81	2.51	2.14	1.91		
	040	30.6	23.9	22.6	20.1	18.1	16.6	14.8	12.6	11.3	9.5	
	050	51.5	41.4	39.2	34.7	31.3	28.7	25.7	21.9	19.5	16.5	
	063	85.1	69.8	66.1	58.5	52.9	48.4	43.3	36.9	32.8	27.6	
	080	164	159	159	151	136	125	112	95	85	71	
	110	591	423	400	354	320	293	262	222	197	164	
	140	1160	897	849	751	679	622	554	470	416	342	
180	2860	1770	1680	1480	1340	1230	1090	920	810	640		
250	5840	4110	3890	3440	3100	2830	2510	2090	1780	1290		

Product specifications

Roller gear cam drive	Table	Standard	Compact
	Wide angle	Basic	Parallel cam drive
Pit and Rack drive	Linear	Circular	Option

Output torque table

● RGIS flange shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						30	60	90	120	150	200	300	400	600
Compact	Roller gear cam drive	9	330	025	2.13	1.82	1.72	1.52	1.39	1.27	1.14	0.97	0.86	
				032	4.77	4.07	3.85	3.41	3.11	2.85	2.55	2.17	1.94	
				040	30.6	24.1	22.8	20.2	18.4	16.8	15.0	12.8	11.4	9.7
				050	51.5	41.6	39.4	34.9	31.8	29.1	26.0	22.2	19.8	16.8
				063	85.1	70.2	66.4	58.8	53.6	49.1	43.9	37.4	33.3	28.1
				080	164	160	160	152	138	127	113	97	86	73
				110	591	425	402	356	325	297	266	226	201	168
				140	1160	902	854	756	689	631	563	478	423	351
				180	2860	1780	1690	1490	1360	1250	1110	940	820	660
				250	5840	4130	3910	3460	3150	2880	2560	2130	1840	1380
Standard	Roller gear cam drive	9	90	032	2.70	1.86	1.66	1.41	1.26	1.15	1.02	0.84	0.71	
				040	10.2	7.92	7.08	6.02	5.35	4.86	4.25	3.37	2.85	1.23
				050	12.8	10.5	9.9	9.6	9.3	9.0	8.7	7.1	5.8	3.5
				063	25.3	20.0	18.9	18.1	17.5	17.1	16.3	15.0	12.8	7.4
				080	108	72.4	64.7	55.0	48.9	44.5	39.0	31.2	24.8	12.7
				110	225	178	168	153	136	123	107	82	61	16
				140	462	362	337	285	251	226	192	135	81	
				180	1220	738	655	549	477	419	336	177		
				250	3910	1990	1750	1450	1220	1030	730			
				Wide angle	Roller gear cam drive	10	120	025	1.49	1.12	1.03	0.87	0.78	0.71
032	2.70	2.04	1.87					1.60	1.42	1.30	1.16	0.97	0.85	
040	10.9	9.39	9.10					8.76	8.52	8.33	8.07	6.77	5.84	4.39
050	37.9	26.6	24.4					20.8	18.6	17.0	15.1	12.7	11.0	8.5
063	63.6	46.9	43.0					36.7	32.7	29.9	26.6	22.2	19.1	14.2
080	152	90.4	83.0					70.7	63.1	57.6	51.1	42.3	36.1	25.9
110	331	255	234					199	177	162	143	117	97	62
140	760	483	443					377	335	304	266	210	164	74
180	1490	1020	940					790	700	630	540	400	270	
250	4150	2630	2400					2020	1770	1570	1290	790		
Basic	Roller gear cam drive	10	150	025	1.49	1.18	1.10	0.94	0.84	0.77	0.68	0.58	0.51	
				032	2.70	2.14	2.01	1.71	1.53	1.40	1.25	1.06	0.93	
				040	10.9	9.85	9.75	9.39	9.14	8.94	8.68	7.35	6.44	5.12
				050	37.9	27.8	26.1	22.2	19.9	18.2	16.2	13.7	12.0	9.7
				063	63.6	49.1	46.0	39.3	35.1	32.1	28.6	24.1	21.0	16.7
				080	152	94.8	88.9	75.8	67.6	61.9	55.0	46.2	40.2	31.1
				110	359	326	318	272	242	222	197	165	142	108
				140	760	508	475	405	360	329	290	237	197	125
				180	1490	1080	1010	860	760	690	600	470	370	150
				250	4150	2760	2580	2180	1920	1730	1480	1060	670	
Option	Parallel cam drive	10	180	025	1.49	1.21	1.15	0.99	0.88	0.81	0.72	0.61	0.54	
				032	3.66	2.99	2.83	2.43	2.17	1.99	1.78	1.51	1.34	
				040	10.9	10.1	10.1	9.8	9.6	9.4	9.1	7.7	6.8	5.6
				050	37.9	28.6	27.1	23.2	20.8	19.0	17.0	14.4	12.7	10.5
				063	85.1	67.2	63.6	54.7	48.8	44.7	39.9	33.8	29.9	24.6
				080	152	97.5	92.3	79.3	70.8	64.8	57.7	48.7	42.8	34.3
				110	359	335	331	284	254	232	207	174	152	120
				140	950	682	645	554	494	451	401	334	288	215
				180	2100	1380	1310	1120	1000	910	800	660	540	350
				250	4150	2840	2680	2290	2030	1840	1590	1220	890	

Discontinue

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
10	210	025	2.13	1.77	1.67	1.46	1.30	1.19	1.07	0.91	0.80	
		032	3.66	3.05	2.88	2.51	2.24	2.06	1.84	1.56	1.39	
		040	10.9	10.3	10.3	10.1	9.9	9.7	9.4	8.0	7.1	5.9
		050	37.9	29.1	27.5	24.0	21.4	19.6	17.5	14.9	13.2	11.0
		063	85.1	68.4	64.8	56.4	50.4	46.2	41.2	35.0	31.1	25.8
		080	164	156	156	146	130	119	106	90	80	67
		110	359	341	337	293	262	240	214	181	159	129
		140	950	694	657	572	511	467	415	349	304	236
	180	2100	1410	1330	1160	1030	940	830	690	590	420	
	250	5840	4030	3810	3310	2950	2680	2360	1910	1550	890	
	240	025	2.13	1.79	1.70	1.49	1.34	1.22	1.09	0.93	0.83	
		032	3.66	3.08	2.92	2.57	2.30	2.11	1.88	1.60	1.43	
		040	10.9	10.4	10.4	10.4	10.1	9.9	9.6	8.2	7.3	6.1
		050	37.9	29.4	27.9	24.6	21.9	20.1	17.9	15.3	13.6	11.4
		063	85.1	69.2	65.5	57.8	51.6	47.3	42.2	35.9	31.9	26.7
		080	164	158	158	149	133	122	109	93	82	69
		110	359	345	341	300	268	246	219	186	164	135
		140	950	703	665	586	523	479	427	360	315	252
	180	2100	1420	1350	1190	1060	970	860	720	620	460	
	250	5840	4080	3860	3390	3020	2760	2440	2000	1670	1090	
	270	025	2.13	1.81	1.71	1.51	1.36	1.25	1.12	0.95	0.85	
		032	3.66	3.11	2.94	2.61	2.34	2.15	1.92	1.64	1.46	
		040	10.9	10.5	10.5	10.5	10.3	10.1	9.8	8.4	7.5	6.3
		050	37.9	29.7	28.1	24.9	22.4	20.5	18.3	15.6	13.9	11.7
		063	85.1	69.8	66.1	58.5	52.6	48.2	43.1	36.7	32.6	27.4
		080	164	159	159	151	136	124	111	95	84	71
		110	359	347	343	304	273	250	223	190	168	139
		140	950	709	671	594	534	489	436	368	324	263
180	2100	1430	1360	1200	1080	990	880	740	640	490		
250	5840	4110	3890	3440	3090	2820	2490	2060	1750	1230		
300	025	2.13	1.82	1.72	1.52	1.38	1.27	1.13	0.97	0.86		
	032	3.66	3.13	2.96	2.62	2.38	2.18	1.95	1.66	1.48		
	040	10.9	10.6	10.6	10.6	10.5	10.3	10.0	8.5	7.6	6.4	
	050	37.9	29.8	28.2	25.0	22.7	20.8	18.6	15.8	14.1	11.9	
	063	85.1	70.2	66.5	58.9	53.4	49.0	43.7	37.3	33.2	28.0	
	080	164	160	160	152	138	126	113	96	86	72	
	110	359	349	346	306	278	254	227	193	171	143	
	140	950	713	675	598	542	497	443	375	332	272	
180	2100	1440	1370	1210	1100	1000	890	750	660	520		
250	5840	4140	3910	3460	3140	2870	2540	2120	1820	1340		
330	025	2.13	1.83	1.73	1.53	1.40	1.29	1.15	0.98	0.87		
	032	3.66	3.14	2.98	2.64	2.41	2.21	1.98	1.69	1.50		
	040	10.9	10.6	10.6	10.6	10.6	10.4	10.1	8.7	7.7	6.5	
	050	37.9	30.0	28.4	25.1	23.0	21.1	18.8	16.0	14.3	12.1	
	063	85.1	70.5	66.8	59.1	54.1	49.6	44.3	37.8	33.7	28.5	
	080	164	161	161	153	140	128	114	98	87	73	
	110	359	351	347	307	281	258	230	196	174	146	
	140	950	717	678	601	550	504	449	381	338	279	
180	2100	1450	1370	1210	1110	1020	910	770	670	540		
250	5840	4150	3930	3480	3180	2910	2580	2160	1870	1420		

Product specifications

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

Output torque table

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						30	60	90	120	150	200	300	400	600
Compact	Roller gear cam drive	12	90	032	1.89	1.38	1.25	1.06	0.95	0.86	0.76	0.63	0.53	
				040	7.19	6.13	5.52	4.69	4.17	3.79	3.31	2.61	2.03	0.88
				050	12.8	11.1	10.6	10.2	9.9	9.6	9.3	7.7	6.4	4.3
				063	25.3	21.2	20.2	19.4	18.8	18.4	17.7	16.3	14.3	9.2
				080	108	77.0	69.4	59.1	52.6	47.9	42.2	34.2	28.0	16.6
				110	225	189	180	164	146	132	116	91	71	30
				140	462	385	362	307	271	245	210	155	104	
				180	976	602	539	452	392	344	275			
250	2870	1710	1520	1260	1070	900	650							
Standard	Roller gear cam drive	12	120	032	1.89	1.49	1.38	1.17	1.05	0.96	0.85	0.71	0.62	
				040	7.19	6.49	6.01	5.12	4.56	4.16	3.67	3.02	2.52	1.70
				050	12.8	11.7	11.5	11.1	10.8	10.5	10.2	8.6	7.4	5.7
				063	25.3	22.8	22.2	21.4	20.8	20.3	19.7	18.6	16.8	12.7
				080	108	82.5	76.4	65.1	58.1	53.1	47.1	39.2	33.6	24.6
				110	225	203	198	181	161	147	130	107	89	59
				140	462	414	400	340	302	275	241	192	152	76
				180	976	646	596	504	444	399	338	237		
250	2870	1830	1680	1410	1230	1090	880	500						
Wide angle	Roller gear cam drive	12	150	032	1.89	1.54	1.46	1.24	1.11	1.02	0.91	0.76	0.67	
				040	10.2	9.14	8.64	7.37	6.57	6.01	5.35	4.49	3.90	3.02
				050	12.8	12.1	12.1	11.6	11.3	11.1	10.8	9.1	8.0	6.4
				063	25.3	23.6	23.5	22.7	22.1	21.6	20.9	19.9	18.3	14.5
				080	108	85.5	80.8	68.9	61.5	56.3	50.1	42.1	36.7	28.7
				110	225	210	209	191	171	156	139	116	99	74
				140	462	429	423	361	321	293	259	212	177	117
				180	1220	875	826	702	623	566	494	388	299	
250	3910	2340	2200	1870	1650	1480	1270	920	580					
Basic	Roller gear cam drive	12	180	032	1.89	1.58	1.49	1.29	1.15	1.06	0.94	0.80	0.71	
				040	10.2	9.30	8.80	7.62	6.80	6.23	5.55	4.68	4.11	3.29
				050	12.8	12.3	12.3	12.0	11.7	11.5	11.1	9.5	8.4	6.8
				063	25.3	24.1	24.1	23.5	22.9	22.4	21.8	20.8	19.2	15.7
				080	108	87.3	82.6	71.5	63.9	58.5	52.1	44.0	38.7	31.2
				110	331	280	265	230	205	188	167	141	123	97
				140	760	534	505	437	390	356	316	263	226	168
				180	1220	894	845	730	650	592	521	421	343	200
250	3910	2390	2260	1940	1720	1560	1350	1040	770					
Parallel cam drive	Roller gear cam drive	12	210	032	1.89	1.60	1.51	1.33	1.19	1.09	0.97	0.82	0.73	
				040	10.2	9.40	8.90	7.81	6.98	6.39	5.70	4.82	4.26	3.47
				050	12.8	12.4	12.4	12.3	12.0	11.7	11.4	9.7	8.6	7.1
				063	25.3	24.4	24.4	24.2	23.5	23.0	22.4	21.5	19.9	16.5
				080	108	88.4	83.7	73.5	65.6	60.1	53.6	45.4	40.1	32.9
				110	331	284	269	236	211	193	172	145	128	103
				140	760	541	512	449	401	367	326	274	238	185
				180	1220	906	857	751	669	611	540	444	372	249
250	3910	2420	2290	2000	1780	1620	1410	1120	880	420				
Option	Parallel cam drive	12	210	Linear										
				Circular Pike and Rase drive										

Discontinue

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
12	240	032	1.89	1.61	1.52	1.35	1.21	1.11	0.99	0.84	0.75	
		040	10.2	9.47	8.96	7.93	7.11	6.52	5.81	4.93	4.37	3.61
		050	12.8	12.5	12.5	12.5	12.2	12.0	11.7	10.0	8.8	7.4
		063	25.3	24.6	24.6	24.6	24.0	23.5	22.9	22.0	20.4	17.0
		080	108	89.2	84.4	74.7	67.0	61.4	54.8	46.5	41.2	34.2
		110	331	286	271	240	215	197	176	149	131	108
		140	760	545	516	457	409	375	334	281	246	196
		180	1220	914	865	764	684	625	554	460	392	283
	250	3910	2440	2310	2040	1820	1660	1460	1180	960	560	
	270	032	1.89	1.62	1.53	1.36	1.23	1.13	1.01	0.86	0.76	
		040	10.9	10.6	10.6	10.6	10.5	10.3	10.0	8.5	7.6	6.4
		050	19.9	19.5	19.5	19.5	19.3	18.9	18.4	15.9	14.1	11.9
		063	25.3	24.7	24.7	24.7	24.4	23.9	23.3	22.4	20.8	17.4
		080	108	89.7	84.9	75.2	68.1	62.4	55.7	47.4	42.1	35.1
		110	331	288	273	241	219	200	179	152	134	111
		140	760	549	519	460	417	381	340	287	253	205
		180	1220	919	870	769	697	637	565	472	408	307
	250	3910	2450	2320	2050	1850	1690	1490	1220	1020	670	
	300	032	2.70	2.33	2.21	1.95	1.79	1.64	1.46	1.25	1.11	
		040	10.9	10.7	10.7	10.7	10.6	10.4	10.2	8.7	7.7	6.5
		050	19.9	19.6	19.6	19.6	19.5	19.1	18.6	16.1	14.3	12.1
		063	63.6	53.2	50.4	44.6	40.8	37.4	33.4	28.5	25.3	21.4
		080	152	103	97	86	79	72	65	55	49	41
		110	331	289	274	242	222	203	181	154	137	114
		140	760	551	522	462	423	387	345	292	258	211
180		1490	1170	1110	980	890	820	730	610	540	420	
250	4150	2980	2820	2490	2280	2080	1850	1530	1310	950		
330	032	2.70	2.34	2.21	1.96	1.80	1.66	1.48	1.26	1.13		
	040	10.9	10.7	10.7	10.7	10.7	10.6	10.3	8.8	7.8	6.6	
	050	19.9	19.6	19.6	19.6	19.6	19.4	18.9	16.3	14.5	12.3	
	063	63.6	53.4	50.5	44.7	41.0	37.9	33.8	28.8	25.7	21.7	
	080	152	103	98	86	79	73	65	56	50	42	
	110	331	290	275	243	223	206	184	156	139	116	
	140	760	553	523	463	425	392	349	296	262	216	
	180	1490	1170	1110	980	900	830	740	620	550	440	
250	4150	2990	2830	2500	2290	2110	1870	1560	1350	1010		
15	90	080	31.8	28.4	27.2	26.2	25.3	24.6	23.5	21.4	18.2	10.0
		110	143	109	99	84	74	67	58	44	31	
		140	285	254	244	221	195	176	151	110	73	
		180	591	523	494	415	362	320	260	150		
		250	1630	1130	1010	830	700	580	400			
	120	080	80.0	63.7	59.6	50.8	45.3	41.4	36.7	30.5	26.1	19.1
		110	200	130	121	103	92	84	74	60	49	29
		140	285	266	263	239	213	193	169	134	105	48
		180	591	550	535	453	400	360	307	222	140	
		250	2020	1510	1400	1180	1030	910	740	430		
	150	080	80.0	65.2	61.7	53.1	47.4	43.3	38.6	32.4	28.2	22.0
		110	200	133	126	108	96	88	78	64	55	38
		140	420	357	338	290	258	236	208	171	143	95
		180	976	688	650	557	494	449	391	307	237	
		250	2020	1540	1450	1240	1090	980	830	580	340	

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
Wide angle	Table
	Table
Basic	Table
	Table
Parallel cam drive	Table
	Table
Pike and P-Drive	Linear
	Circular
Option	Linear
	Circular

Output torque table

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						30	60	90	120	150	200	300	400	600
Roller gear cam drive	Compact	15	180	080	80.0	66.1	62.5	54.7	48.8	44.7	39.8	33.6	29.6	23.8
				110	200	134	127	111	99	91	80	67	58	44
				140	420	362	342	299	267	244	216	180	154	112
				180	976	697	659	575	512	466	410	331	270	156
				250	2020	1560	1470	1280	1140	1030	890	670	470	
		210	080	80.0	66.6	63.0	55.8	49.9	45.7	40.8	34.6	30.5	25.0	
	110	200	135	128	113	101	93	82	69	60	47			
	140	420	365	345	305	273	250	222	186	161	124			
	180	976	704	665	588	525	479	423	348	291	194			
	250	2870	1980	1870	1650	1470	1340	1170	930	740	360			
	Standard	240	080	80.0	67.0	63.4	56.1	50.8	46.6	41.6	35.3	31.2	25.9	
	110		200	136	129	114	103	94	84	71	62	50		
	140		420	367	347	307	278	254	227	191	167	132		
	180		976	708	669	592	535	489	433	359	306	220		
	250		2870	1990	1880	1660	1500	1370	1200	980	800	480		
	Table	270	080	80.0	67.2	63.6	56.3	51.6	47.3	42.2	35.9	31.8	26.5	
	110		200	136	129	114	105	96	85	72	64	52		
	140		420	368	348	308	282	258	230	194	171	137		
180	976		710	672	594	544	497	441	368	317	238			
250	2870		2000	1890	1670	1530	1390	1230	1010	850	560			
Wide angle	300	080	80.0	67.4	63.8	56.5	51.8	47.8	42.7	36.3	32.3	27.1		
		110	200	137	129	115	105	97	86	73	65	53		
		140	420	369	349	309	283	262	233	197	174	142		
		180	976	712	674	596	546	504	448	376	326	252		
		250	2870	2010	1900	1680	1530	1410	1250	1040	880	620		
Basic	330	080	80.0	67.5	63.9	56.6	51.9	48.4	43.2	36.8	32.7	27.5		
		110	200	137	130	115	105	98	87	74	66	54		
		140	420	370	350	310	284	265	236	200	177	145		
		180	976	714	676	598	548	510	454	382	333	262		
		250	2870	2010	1900	1680	1540	1430	1270	1060	910	660		
Parallel cam drive	90	080	31.8	28.7	27.7	26.6	25.7	25.0	24.0	21.9	18.7	10.8		
		110	143	110	101	85	76	68	59	45	33			
		140	305	267	257	233	206	185	159	116	75.4			
		180	591	530	503	423	369	327	268	161				
		250	1630	1140	1030	850	720	600	420					
	120	080	31.8	30.0	29.7	28.5	27.7	27.1	26.1	24.5	21.9	15.8		
		110	143	115	107	91	81	74	65	53	43	25		
		140	285	268	266	242	215	196	171	137	108	53		
		180	591	554	541	459	405	365	313	229	150			
		250	1630	1190	1110	930	810	710	570	300				
Option	150	080	31.8	30.6	30.6	29.8	28.9	28.3	27.4	26.0	23.7	18.4		
		110	143	117	110	95	85	77	69	57	48	33		
		140	285	274	274	253	225	205	181	149	124	81		
		180	591	567	559	480	426	387	337	263	200			
		250	2020	1550	1460	1250	1100	990	840	600	370			
Option	180	080	80.0	66.3	62.8	55.1	49.2	45.0	40.1	33.9	29.8	24.1		
		110	143	118	112	98	87	80	71	59	51	38		
		140	285	277	277	260	232	212	188	156	133	97		
		180	591	574	566	496	441	401	353	284	230	128		
		250	2020	1570	1480	1290	1140	1030	900	680	490			

Discontinue

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
16	210	080	80.0	66.8	63.2	56.0	50.2	46.0	41.0	34.8	30.7	25.2
		110	200	136	128	114	102	93	83	70	61	48
		140	285	279	279	265	237	217	193	162	140	107
		180	591	578	571	504	452	412	364	298	249	162
		250	2020	1580	1490	1320	1170	1070	930	730	570	240
	240	080	80.0	67.1	63.5	56.2	51.1	46.8	41.8	35.5	31.4	26.1
		110	200	136	129	114	104	95	84	71	63	50
		140	285	281	281	266	242	221	197	166	145	114
		180	591	581	574	507	460	420	372	308	262	185
		250	2020	1590	1500	1320	1200	1090	960	770	620	340
	270	080	80.0	67.3	63.7	56.4	51.7	47.5	42.4	36.0	32.0	26.7
		110	200	137	129	114	105	96	86	73	64	52
		140	285	282	282	267	245	224	200	169	148	119
		180	976	712	673	596	545	499	444	371	320	242
		250	2020	1590	1510	1330	1220	1110	980	800	660	420
	300	080	80.0	67.5	63.9	56.6	51.9	48.0	42.9	36.5	32.5	27.2
		110	200	137	130	115	105	97	87	74	65	54
		140	285	282	282	268	245	227	203	171	151	123
		180	976	713	675	597	547	506	450	378	329	255
		250	2020	1600	1510	1330	1220	1130	1000	820	690	470
330	080	80.0	67.6	64.0	56.7	52.0	48.6	43.4	36.9	32.9	27.6	
	110	200	137	130	115	105	98	88	75	66	55	
	140	285	283	283	268	246	230	205	174	153	126	
	180	976	715	676	599	548	512	456	384	336	266	
	250	2020	1600	1510	1340	1220	1140	1010	840	710	510	

Product specifications

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

Output torque table

Index series

● RGIS flange shaft (2 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)						
						Input shaft rotational speed (rpm)						
						15	30	45	60	75	100	150
Compact	120	025	1.49	1.04	0.98	0.83	0.74	0.68	0.61	0.51	0.45	0.35
		032	2.70	1.90	1.78	1.52	1.36	1.24	1.11	0.94	0.82	0.66
		040	16.1	13.0	12.9	12.4	12.1	11.8	11.5	9.8	8.6	7.0
		050	19.9	16.2	16.1	15.5	15.1	14.7	14.3	13.7	12.6	10.2
		063	63.6	43.9	41.1	35.1	31.3	28.7	25.5	21.5	18.7	14.7
		080	164	133	132	120	107	98.4	87.7	74.0	65.1	52.4
		110	359	291	285	243	217	198	176	147	127	95
		140	950	589	552	471	419	383	338	278	234	158
	180	2860	1470	1380	1180	1050	950	840	670	540	300	
	250	5840	3450	3230	2740	2420	2190	1880	1410	970		
Standard	150	025	2.13	1.60	1.51	1.31	1.17	1.07	0.95	0.81	0.72	0.59
		032	4.77	3.59	3.40	2.94	2.62	2.40	2.15	1.83	1.62	1.36
		040	30.6	21.3	20.2	17.4	15.6	14.3	12.7	10.8	9.6	7.9
		050	50.1	37.1	35.1	30.3	27.1	24.8	22.1	18.8	16.7	13.9
		063	85.1	62.3	59.0	50.9	45.5	41.7	37.2	31.5	27.9	23.0
		080	164	142	142	131	117	107	96	81	72	59
		110	591	378	358	309	276	252	225	190	166	133
		140	1160	798	755	651	581	532	473	396	344	266
	180	2860	1580	1490	1290	1150	1050	930	760	650	450	
	250	5840	3680	3480	2990	2660	2420	2110	1680	1320	610	
Table	160	025	2.13	1.67	1.58	1.39	1.24	1.14	1.01	0.86	0.77	0.64
		032	4.77	3.75	3.55	3.11	2.78	2.55	2.28	1.94	1.73	1.46
		040	30.6	22.2	21.0	18.5	16.5	15.1	13.5	11.5	10.2	8.5
		050	50.1	38.5	36.5	32.0	28.6	26.2	23.4	19.9	17.7	14.9
		063	119	74.0	70.1	61.5	54.9	50.3	44.9	38.2	34.0	28.4
		080	242	194	183	161	144	132	117	100	89	74
		110	591	393	372	327	292	267	238	202	178	146
		140	1160	832	787	690	616	564	503	424	372	298
	180	2860	1640	1560	1360	1220	1110	990	830	710	530	
	250	5840	3630	3620	3170	2820	2570	2270	1850	1520	950	
Wide angle	180	025	2.13	1.67	1.58	1.39	1.24	1.14	1.01	0.86	0.77	0.64
		032	4.77	3.75	3.55	3.11	2.78	2.55	2.28	1.94	1.73	1.46
		040	30.6	22.2	21.0	18.5	16.5	15.1	13.5	11.5	10.2	8.5
		050	50.1	38.5	36.5	32.0	28.6	26.2	23.4	19.9	17.7	14.9
		063	119	74.0	70.1	61.5	54.9	50.3	44.9	38.2	34.0	28.4
		080	242	194	183	161	144	132	117	100	89	74
		110	591	393	372	327	292	267	238	202	178	146
		140	1160	832	787	690	616	564	503	424	372	298
	180	2860	1640	1560	1360	1220	1110	990	830	710	530	
	250	5840	3630	3620	3170	2820	2570	2270	1850	1520	950	
Basic	210	025	2.89	2.33	2.20	1.95	1.75	1.60	1.43	1.22	1.09	0.92
		032	4.77	3.85	3.65	3.23	2.90	2.66	2.37	2.02	1.80	1.53
		040	30.6	22.8	21.6	19.1	17.2	15.7	14.1	12.0	10.7	9.0
		050	50.1	39.5	37.4	33.1	29.8	27.3	24.4	20.7	18.5	15.6
		063	119	76.0	71.9	63.7	57.2	52.4	46.8	39.8	35.5	29.8
		080	242	199	188	166	149	137	122	104	93	78
		110	591	403	382	338	304	278	248	211	187	155
		140	1640	1060	1010	890	800	730	650	550	490	400
	180	2860	1690	1600	1410	1270	1160	1030	870	760	590	
	250	5840	3930	3720	3280	2940	2690	2380	1960	1660	1160	
Parallel cam drive	240	025	2.89	2.37	2.24	1.99	1.81	1.66	1.48	1.26	1.12	0.95
		032	4.77	3.92	3.71	3.29	2.99	2.74	2.45	2.09	1.86	1.58
		040	30.6	23.2	22.0	19.5	17.7	16.2	14.5	12.3	11.0	9.3
		050	50.1	40.2	38.1	33.7	30.6	28.1	25.1	21.4	19.1	16.1
		063	119	77.3	73.2	64.8	58.9	54.0	48.2	41.1	36.6	30.9
		080	242	202	191	169	154	141	126	107	96	81
		110	591	411	389	344	313	286	256	217	193	161
		140	1640	1080	1030	910	830	760	670	570	510	420
	180	2860	1720	1630	1440	1310	1200	1070	900	790	630	
	250	5840	4000	3780	3340	3030	2770	2460	2050	1760	1300	
Option	240	025	2.89	2.37	2.24	1.99	1.81	1.66	1.48	1.26	1.12	0.95
		032	4.77	3.92	3.71	3.29	2.99	2.74	2.45	2.09	1.86	1.58
		040	30.6	23.2	22.0	19.5	17.7	16.2	14.5	12.3	11.0	9.3
		050	50.1	40.2	38.1	33.7	30.6	28.1	25.1	21.4	19.1	16.1
		063	119	77.3	73.2	64.8	58.9	54.0	48.2	41.1	36.6	30.9
		080	242	202	191	169	154	141	126	107	96	81
		110	591	411	389	344	313	286	256	217	193	161
		140	1640	1080	1030	910	830	760	670	570	510	420
	180	2860	1720	1630	1440	1310	1200	1070	900	790	630	
	250	5840	4000	3780	3340	3030	2770	2460	2050	1760	1300	

Discontinue

Index series

● RGIS flange shaft (2 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
16	270	025	2.89	2.40	2.27	2.01	1.85	1.70	1.52	1.29	1.15	0.98
		032	4.77	3.97	3.76	3.33	3.06	2.81	2.51	2.14	1.91	1.62
		040	30.6	23.5	22.3	19.7	18.1	16.6	14.8	12.6	11.3	9.5
		050	50.1	40.7	38.5	34.1	31.3	28.7	25.7	21.9	19.5	16.6
		063	119	78.3	74.1	65.6	60.2	55.2	49.4	42.1	37.5	31.8
		080	242	205	194	172	157	144	129	110	98	83
		110	591	416	393	348	319	293	262	223	198	166
		140	1640	1100	1040	920	840	770	690	590	520	440
		180	2860	1740	1650	1460	1340	1230	1090	930	820	660
	250	5840	4040	3830	3390	3100	2840	2520	2120	1840	1410	
	300	025	2.89	2.43	2.30	2.03	1.87	1.73	1.55	1.32	1.18	1.00
		032	4.77	4.01	3.80	3.36	3.09	2.86	2.56	2.18	1.95	1.65
		040	30.6	23.7	22.5	19.9	18.2	16.9	15.1	12.9	11.5	9.8
		050	50.1	41.1	38.9	34.4	31.6	29.3	26.1	22.3	19.9	16.9
		063	119	79.0	74.8	66.2	60.7	56.3	50.3	42.9	38.3	32.4
		080	262	252	249	220	202	187	167	143	127	108
		110	738	547	518	459	421	390	348	297	264	223
		140	1640	1110	1050	930	850	790	700	600	530	450
		180	2860	1760	1660	1470	1350	1250	1120	950	840	690
	250	5840	4080	3860	3420	3130	2900	2580	2170	1890	1490	
	330	025	2.89	2.44	2.31	2.05	1.88	1.76	1.57	1.34	1.20	1.02
		032	4.77	4.04	3.83	3.39	3.11	2.91	2.60	2.22	1.98	1.68
		040	30.6	23.9	22.6	20.0	18.4	17.2	15.3	13.1	11.7	9.9
		050	50.1	41.3	39.1	34.6	31.8	29.7	26.5	22.6	20.2	17.2
		063	119	79.5	75.3	66.7	61.1	57.2	51.1	43.6	38.9	33.0
		080	262	253	250	222	203	190	170	145	129	110
		110	738	551	522	462	424	396	354	301	269	227
140		1640	1120	1060	940	860	800	720	610	540	460	
180		2860	1770	1680	1480	1360	1270	1130	960	850	710	
250	5840	4110	3890	3440	3150	2940	2620	2210	1940	1550		
18	120	025	1.49	1.08	1.02	0.87	0.78	0.71	0.63	0.54	0.47	0.38
		032	3.66	2.68	2.53	2.16	1.93	1.76	1.57	1.33	1.18	0.97
		040	10.9	9.12	9.08	8.75	8.52	8.34	8.10	6.86	6.02	4.81
		050	37.9	25.8	24.4	20.8	18.6	17.0	15.1	12.8	11.3	9.2
		063	85.1	60.6	57.1	48.7	43.5	39.9	35.5	30.0	26.4	21.4
		080	152	87.8	82.8	70.6	63.1	57.7	51.3	43.1	37.6	29.4
		110	359	302	297	253	226	207	184	154	133	102
		140	950	612	577	492	439	400	354	293	248	174
		180	2100	1240	1170	990	880	800	710	570	460	250
	250	4150	2560	2410	2040	1800	1620	1390	1020	670		
	150	025	2.13	1.65	1.56	1.35	1.21	1.11	0.99	0.84	0.74	0.62
		032	3.66	2.84	2.69	2.33	2.09	1.91	1.71	1.45	1.29	1.08
		040	10.9	9.65	9.65	9.45	9.20	9.01	8.77	7.47	6.60	5.42
		050	37.9	27.3	25.8	22.4	20.0	18.3	16.4	13.9	12.3	10.2
		063	85.1	64.1	60.6	52.6	47.0	43.1	38.4	32.6	28.9	23.9
		080	164	146	146	136	121	111	99	84	75	62
		110	359	319	315	274	244	224	199	168	148	118
		140	950	649	614	532	475	434	386	324	281	215
180		2100	1310	1240	1080	960	880	770	640	540	370	
250	5840	3780	3570	3090	2750	2500	2190	1760	1400	730		

Product specifications

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

Output torque table

Index series

● RGIS flange shaft (2 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)						
						Input shaft rotational speed (rpm)						
						15	30	45	60	75	100	150
Compact	180	025	2.13	1.71	1.62	1.42	1.27	1.17	1.04	0.89	0.79	0.66
		032	4.77	3.83	3.63	3.20	2.86	2.62	2.34	1.99	1.78	1.50
		040	30.6	22.7	21.5	18.9	16.9	15.5	13.9	11.8	10.5	8.8
		050	51.5	39.3	37.2	32.8	29.3	26.9	24.0	20.4	18.2	15.3
		063	85.1	66.2	62.7	55.3	49.4	45.3	40.4	34.4	30.6	25.6
		080	164	151	151	143	127	117	104	89	79	66
		110	359	330	326	287	257	235	210	178	157	129
		140	1160	849	804	709	633	579	516	436	384	310
		180	2860	1680	1590	1400	1250	1140	1020	850	740	560
250	5840	3910	3690	3250	2900	2640	2330	1910	1590	1040		
Standard	210	025	2.13	1.75	1.65	1.46	1.32	1.21	1.08	0.92	0.82	0.69
		032	4.77	3.92	3.71	3.28	2.96	2.72	2.43	2.07	1.84	1.56
		040	30.6	23.2	21.9	19.4	17.5	16.1	14.4	12.2	10.9	9.2
		050	51.5	40.1	38.0	33.6	30.4	27.8	24.9	21.2	18.9	16.0
		063	85.1	67.6	64.0	56.7	51.2	46.9	41.9	35.7	31.8	26.7
		080	164	154	154	146	132	121	108	92	82	69
		110	591	410	388	343	310	284	253	215	191	159
		140	1160	868	822	727	656	601	536	454	401	330
		180	2860	1720	1620	1440	1300	1190	1060	890	780	610
250	5840	3990	3770	3340	3000	2740	2430	2020	1720	1230		
Table	240	025	2.13	1.77	1.68	1.49	1.36	1.24	1.11	0.95	0.85	0.72
		032	4.77	3.97	3.76	3.33	3.04	2.79	2.49	2.13	1.90	1.61
		040	30.6	23.5	22.3	19.7	18.0	16.5	14.7	12.6	11.2	9.5
		050	51.5	40.7	38.5	34.1	31.2	28.6	25.5	21.8	19.4	16.4
		063	85.1	68.6	65.0	57.5	52.6	48.2	43.0	36.7	32.7	27.6
		080	164	156	156	148	136	124	111	95	84	71
		110	591	416	393	348	318	292	260	221	197	165
		140	1160	881	834	738	674	618	551	468	415	344
		180	2860	1740	1650	1460	1330	1220	1090	920	810	650
250	5840	4040	3830	3380	3090	2820	2510	2090	1810	1360		
Wide angle	270	025	2.13	1.79	1.70	1.50	1.38	1.27	1.14	0.97	0.86	0.73
		032	4.77	4.02	3.80	3.37	3.09	2.85	2.55	2.17	1.94	1.65
		040	30.6	23.7	22.5	19.9	18.3	16.9	15.1	12.8	11.5	9.7
		050	51.5	41.1	38.9	34.4	31.6	29.2	26.1	22.2	19.8	16.8
		063	85.1	69.3	65.6	58.1	53.3	49.2	43.9	37.4	33.4	28.3
		080	164	158	158	150	137	127	113	97	86	73
		110	591	420	397	352	323	298	266	226	201	169
		140	1160	890	843	746	684	631	563	479	425	355
		180	2860	1760	1670	1470	1350	1250	1110	940	830	680
250	5840	4080	3860	3420	3130	2880	2570	2150	1870	1460		
Basic	300	025	2.13	1.81	1.71	1.51	1.39	1.29	1.16	0.99	0.88	0.75
		032	4.77	4.05	3.83	3.39	3.11	2.90	2.59	2.21	1.97	1.68
		040	30.6	23.9	22.7	20.1	18.4	17.1	15.3	13.1	11.7	9.9
		050	51.5	41.4	39.2	34.7	31.8	29.6	26.5	22.6	20.2	17.1
		063	85.1	69.8	66.1	58.5	53.7	50.0	44.7	38.1	34.0	28.8
		080	164	159	159	151	138	129	115	98	88	74
		110	591	423	400	354	325	303	270	230	205	173
		140	1160	897	849	752	689	642	573	488	434	364
		180	2860	1770	1680	1490	1360	1270	1130	960	850	700
250	5840	4110	3890	3440	3160	2940	2610	2200	1930	1530		
Option	300	025	2.13	1.81	1.71	1.51	1.39	1.29	1.16	0.99	0.88	0.75
		032	4.77	4.05	3.83	3.39	3.11	2.90	2.59	2.21	1.97	1.68
		040	30.6	23.9	22.7	20.1	18.4	17.1	15.3	13.1	11.7	9.9
		050	51.5	41.4	39.2	34.7	31.8	29.6	26.5	22.6	20.2	17.1
		063	85.1	69.8	66.1	58.5	53.7	50.0	44.7	38.1	34.0	28.8
		080	164	159	159	151	138	129	115	98	88	74
		110	591	423	400	354	325	303	270	230	205	173
		140	1160	897	849	752	689	642	573	488	434	364
		180	2860	1770	1680	1490	1360	1270	1130	960	850	700
250	5840	4110	3890	3440	3160	2940	2610	2200	1930	1530		

Discontinue

Index series

● RGIS flange shaft (2 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
18	330	025	2.13	1.82	1.72	1.52	1.40	1.31	1.17	1.00	0.89	0.76
		032	4.77	4.07	3.85	3.41	3.13	2.93	2.63	2.24	2.00	1.71
		040	30.6	24.1	22.8	20.2	18.5	17.3	15.5	13.3	11.8	10.1
		050	51.5	41.6	39.4	34.9	32.0	29.9	26.9	22.9	20.5	17.4
		063	85.1	70.2	66.4	58.8	54.0	50.5	45.3	38.7	34.5	29.3
		080	164	160	160	152	139	130	117	100	89	76
		110	591	425	402	356	327	306	274	234	208	176
		140	1160	902	854	756	693	648	582	495	441	371
		180	2860	1780	1690	1490	1370	1280	1150	980	860	720
		250	5840	4130	3910	3460	3170	2960	2650	2240	1970	1590
20	90	040	10.2	7.92	7.31	6.23	5.55	5.07	4.48	3.70	3.12	2.15
		050	19.9	15.8	15.4	14.9	14.5	14.2	13.7	11.7	10.2	7.9
		063	25.3	20.0	19.5	18.7	18.2	17.8	17.2	16.2	14.5	10.7
		080	108	72.4	66.8	56.9	50.8	46.4	41.1	34.0	28.9	20.4
		110	225	178	174	158	141	129	113	92	76	47
		140	462	362	349	296	263	239	208	164	126	51
	120	180	1220	739	680	575	507	456	388	276	169	
		250	3910	1990	1820	1530	1340	1180	960	550		
		025	1.49	1.12	1.06	0.90	0.81	0.74	0.66	0.56	0.49	0.40
		032	2.70	2.04	1.93	1.65	1.47	1.35	1.20	1.02	0.90	0.74
		040	10.9	9.39	9.39	9.05	8.81	8.63	8.38	7.12	6.26	5.04
		050	37.9	26.6	25.1	21.5	19.2	17.6	15.7	13.3	11.7	9.6
	150	063	63.6	46.9	44.4	37.9	33.8	31.0	27.6	23.3	20.5	16.4
		080	152	90.4	85.6	73.1	65.2	59.7	53.1	44.7	39.1	30.9
		110	331	255	241	206	184	168	149	125	108	82
		140	760	483	457	390	348	317	281	231	195	133
		180	1490	1020	970	830	730	670	590	470	370	190
		250	4150	2630	2490	2110	1870	1690	1450	1080	750	
	180	025	1.49	1.18	1.11	0.97	0.87	0.79	0.71	0.60	0.53	0.44
		032	3.66	2.90	2.75	2.40	2.14	1.96	1.75	1.49	1.32	1.11
		040	10.9	9.85	9.85	9.70	9.44	9.25	9.00	7.67	6.79	5.60
		050	37.9	27.8	26.3	23.0	20.5	18.8	16.8	14.3	12.6	10.5
		063	63.6	49.1	46.5	40.6	36.2	33.2	29.6	25.1	22.2	18.3
		080	152	94.8	89.8	78.3	69.9	64.0	57.1	48.3	42.6	34.8
180	110	359	326	322	280	250	229	204	173	152	123	
	140	760	508	480	418	373	341	303	254	219	166	
	180	2100	1340	1270	1100	980	900	800	660	560	390	
	250	4150	2760	2610	2270	2010	1830	1600	1270	990	450	
	025	1.49	1.21	1.15	1.02	0.91	0.83	0.74	0.63	0.56	0.47	
	032	3.66	2.99	2.83	2.51	2.24	2.05	1.83	1.56	1.39	1.17	
040	10.9	10.1	10.1	10.1	9.9	9.7	9.4	8.0	7.1	6.0		
050	37.9	28.6	27.1	24.0	21.4	19.6	17.5	14.9	13.3	11.1		
063	63.6	50.5	47.8	42.4	37.9	34.7	31.0	26.3	23.4	19.5		
080	152	97.6	92.3	81.7	73.1	67.0	59.8	50.8	45.0	37.3		
110	359	335	331	293	262	240	214	182	161	132		
140	950	682	645	571	511	467	416	352	309	248		
180	2100	1380	1310	1160	1030	940	840	700	610	460		
250	4150	2840	2680	2370	2110	1920	1690	1380	1130	690		

Product specifications

Parallel cam drive	Wide angle	Table	Standard	Compact
		Roller gear cam drive		
	Basic	Wide angle	Table	Standard
Option	Rack and Pinion drive			
	Linear	Circular		

Output torque table

Index series

● RGIS flange shaft (2 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)						
						Input shaft rotational speed (rpm)						
						15	30	45	60	75	100	150
Compact	210	025	2.13	1.77	1.67	1.48	1.34	1.23	1.10	0.94	0.84	0.71
		032	3.66	3.05	2.88	2.55	2.32	2.12	1.90	1.62	1.44	1.22
		040	10.9	10.3	10.3	10.3	10.2	10.0	9.7	8.3	7.4	6.2
		050	37.9	29.1	27.5	24.4	22.1	20.3	18.1	15.4	13.7	11.6
		063	63.6	51.4	48.7	43.1	39.1	35.8	32.0	27.2	24.2	20.3
		080	164	156	156	148	134	123	110	94	83	70
		110	359	341	337	298	270	248	221	188	167	139
		140	950	694	657	582	528	483	431	365	322	264
		180	2100	1410	1330	1180	1070	980	870	730	640	500
250	4150	2890	2730	2410	2180	1990	1760	1450	1230	840		
Standard	240	025	2.13	1.79	1.70	1.50	1.38	1.26	1.13	0.96	0.86	0.73
		032	3.66	3.08	2.92	2.58	2.37	2.17	1.94	1.66	1.48	1.25
		040	10.9	10.4	10.4	10.4	10.4	10.2	10.0	8.5	7.6	6.4
		050	37.9	29.4	27.9	24.7	22.6	20.8	18.5	15.8	14.1	11.9
		063	63.6	52.0	49.3	43.6	40.0	36.7	32.8	27.9	24.9	21.0
		080	164	158	158	150	137	126	113	96	86	72
		110	359	345	341	302	277	254	227	193	171	144
		140	950	703	665	589	540	495	442	375	332	275
		180	2100	1420	1350	1190	1090	1000	890	750	660	530
250	5840	4080	3860	3410	3130	2860	2540	2130	1840	1410		
Wide angle	270	025	2.13	1.81	1.71	1.51	1.39	1.29	1.15	0.98	0.88	0.74
		032	3.66	3.11	2.94	2.61	2.39	2.22	1.98	1.69	1.51	1.28
		040	10.9	10.5	10.5	10.5	10.5	10.4	10.2	8.7	7.8	6.6
		050	37.9	29.7	28.1	24.9	22.8	21.1	18.9	16.1	14.4	12.2
		063	63.6	52.5	49.7	44.0	40.3	37.4	33.4	28.5	25.4	21.5
		080	164	159	159	151	138	128	115	98	87	74
		110	359	347	344	304	279	259	231	197	175	147
		140	950	709	671	594	545	505	451	383	340	283
		180	2100	1430	1360	1200	1100	1020	910	770	680	550
250	5840	4110	3890	3440	3150	2920	2600	2190	1910	1500		
Basic	300	025	2.13	1.82	1.72	1.52	1.40	1.31	1.17	1.00	0.89	0.76
		032	3.66	3.13	2.96	2.62	2.41	2.25	2.01	1.72	1.53	1.30
		040	10.9	10.6	10.6	10.6	10.6	10.6	10.3	8.8	7.9	6.7
		050	37.9	29.8	28.2	25.0	22.9	21.4	19.2	16.4	14.6	12.4
		063	85.1	70.2	66.5	58.9	54.0	50.5	45.2	38.5	34.4	29.2
		080	164	160	160	152	139	130	117	99	89	75
		110	359	349	346	306	281	262	235	200	178	150
		140	950	713	675	598	548	513	458	390	346	290
		180	2100	1440	1370	1210	1110	1040	930	780	690	570
250	5840	4140	3920	3460	3170	2960	2640	2230	1960	1560		
Parallell cam drive	330	025	2.13	1.83	1.73	1.53	1.41	1.31	1.19	1.01	0.90	0.77
		032	3.66	3.14	2.98	2.64	2.42	2.26	2.04	1.74	1.55	1.32
		040	10.9	10.6	10.6	10.6	10.6	10.6	10.5	9.0	8.0	6.8
		050	37.9	30.0	28.4	25.1	23.0	21.5	19.4	16.6	14.8	12.6
		063	85.1	70.5	66.8	59.1	54.2	50.7	45.8	39.0	34.8	29.6
		080	164	161	161	153	140	131	118	101	90	76
		110	359	351	347	307	282	264	238	203	181	153
		140	950	717	679	601	551	515	464	395	352	296
		180	2100	1450	1370	1220	1110	1040	940	800	710	590
250	5840	4150	3930	3480	3190	2980	2680	2270	2000	1620		
Option	330	025	2.13	1.83	1.73	1.53	1.41	1.31	1.19	1.01	0.90	0.77
		032	3.66	3.14	2.98	2.64	2.42	2.26	2.04	1.74	1.55	1.32
		040	10.9	10.6	10.6	10.6	10.6	10.6	10.5	9.0	8.0	6.8
		050	37.9	30.0	28.4	25.1	23.0	21.5	19.4	16.6	14.8	12.6
		063	85.1	70.5	66.8	59.1	54.2	50.7	45.8	39.0	34.8	29.6
		080	164	161	161	153	140	131	118	101	90	76
		110	359	351	347	307	282	264	238	203	181	153
		140	950	717	679	601	551	515	464	395	352	296
		180	2100	1450	1370	1220	1110	1040	940	800	710	590
250	5840	4150	3930	3480	3190	2980	2680	2270	2000	1620		

Discontinue

Index series

● RGIS flange shaft (2 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
24	90	032	1.89	1.38	1.29	1.10	0.98	0.90	0.80	0.67	0.58	0.45
		040	7.19	6.13	5.70	4.86	4.33	3.95	3.49	2.88	2.42	1.64
		050	12.8	11.1	10.9	10.5	10.2	10.0	9.7	8.2	7.1	5.4
		063	25.3	21.2	20.9	20.1	19.5	19.1	18.5	17.5	15.9	12.1
		080	80.0	57.6	53.6	45.7	40.7	37.2	32.9	27.2	23.1	16.2
		110	200	119	110	94	83	76	67	53	43	22
		140	462	386	374	318	283	258	226	181	144	75
		180	976	602	559	473	417	375	318	226		
	250	2870	1710	1580	1330	1160	1030	840	490			
	120	032	1.89	1.49	1.41	1.21	1.08	0.99	0.88	0.74	0.65	0.50
		040	7.19	6.49	6.14	5.29	4.72	4.32	3.84	3.21	2.79	2.10
		050	12.8	11.7	11.7	11.4	11.1	10.9	10.6	9.0	7.9	6.4
		063	25.3	22.8	22.8	22.1	21.5	21.1	20.5	19.5	18.0	14.5
		080	108	82.5	78.1	67.2	60.0	55.0	48.9	41.3	36.2	28.8
		110	225	203	203	187	167	153	136	114	99	76
		140	462	414	409	352	314	286	254	210	178	125
		180	1220	844	798	685	609	554	486	389	310	160
	250	3910	2260	2140	1830	1620	1460	1260	950	660		
	150	032	2.70	2.21	2.09	1.84	1.64	1.50	1.34	1.14	1.01	0.85
		040	10.2	9.14	8.65	7.60	6.79	6.22	5.55	4.70	4.14	3.38
		050	12.8	12.1	12.1	12.0	11.7	11.4	11.1	9.5	8.4	7.0
		063	63.6	50.5	47.8	42.0	37.6	34.4	30.7	26.1	23.1	19.2
		080	108	85.5	80.9	71.1	63.5	58.2	51.9	44.0	38.9	31.9
		110	225	210	210	198	177	162	144	122	107	86
		140	462	429	424	373	333	304	270	226	196	150
		180	1220	876	828	727	647	591	522	429	359	240
	250	3910	2340	2210	1940	1720	1570	1370	1090	850	400	
	180	032	2.70	2.25	2.13	1.89	1.70	1.56	1.39	1.19	1.06	0.89
040		10.2	9.30	8.80	7.79	7.03	6.44	5.74	4.88	4.32	3.58	
050		12.8	12.3	12.3	12.3	12.1	11.8	11.5	9.8	8.7	7.3	
063		63.6	51.6	48.8	43.2	39.0	35.7	31.9	27.1	24.1	20.2	
080		108	87.3	82.6	73.1	66.0	60.4	53.9	45.8	40.6	33.8	
110		225	214	214	203	183	168	150	127	112	92	
140		462	438	433	384	346	316	282	237	208	166	
180		1490	1130	1070	950	850	780	690	580	500	380	
250	3910	2390	2260	2000	1790	1630	1440	1170	970	600		
210	032	2.70	2.28	2.16	1.91	1.75	1.61	1.43	1.22	1.09	0.92	
	040	10.2	9.40	8.90	7.88	7.20	6.60	5.89	5.01	4.45	3.72	
	050	12.8	12.4	12.4	12.4	12.4	12.1	11.8	10.1	9.0	7.6	
	063	63.6	52.2	49.5	43.8	40.0	36.7	32.8	27.9	24.8	20.9	
	080	152	101	95	85	77	71	63	54	48	40	
	110	225	217	217	206	188	172	154	131	116	96	
	140	760	541	512	453	414	379	338	286	253	206	
	180	1490	1150	1080	960	880	800	710	600	520	410	
250	4150	2930	2770	2450	2240	2040	1810	1500	1280	920		
240	032	2.70	2.30	2.18	1.93	1.77	1.64	1.46	1.25	1.11	0.94	
	040	10.2	9.47	8.96	7.93	7.28	6.73	6.01	5.12	4.55	3.82	
	050	12.8	12.5	12.5	12.5	12.5	12.4	12.0	10.3	9.2	7.8	
	063	63.6	52.7	49.9	44.2	40.5	37.5	33.5	28.5	25.4	21.5	
	080	152	102	96	85	78	72	65	55	49	41	
	110	225	219	219	208	190	176	157	134	119	99	
	140	760	545	516	457	419	387	346	293	260	215	
	180	1490	1160	1090	970	890	820	730	620	540	440	
250	4150	2950	2800	2470	2260	2090	1860	1550	1340	1010		

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Pin and Race drive

Linear

Circular

Option

Output torque table

Index series

● RGIS flange shaft (2 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						15	30	45	60	75	100	150	200	300
Roller gear cam drive	Compact	24	270	032	2.70	2.32	2.20	1.94	1.78	1.67	1.49	1.27	1.13	0.96
				040	10.2	9.51	9.01	7.97	7.31	6.84	6.11	5.20	4.63	3.91
				050	37.9	29.9	28.3	25.1	23.0	21.5	19.2	16.4	14.6	12.4
				063	63.6	53.0	50.2	44.4	40.7	38.1	34.0	29.0	25.9	21.9
				080	152	102	97	86	79	74	66	56	50	42
				110	225	220	220	209	191	179	160	136	121	102
				140	760	549	520	460	422	394	352	299	265	221
				180	1490	1160	1100	970	890	830	740	630	560	450
		250	4150	2970	2810	2490	2280	2130	1890	1590	1380	1080		
		032	2.70	2.33	2.21	1.95	1.79	1.67	1.51	1.29	1.15	0.98		
		040	10.2	9.55	9.04	8.00	7.34	6.86	6.19	5.27	4.70	3.97		
		050	37.9	30.1	28.5	25.2	23.1	21.6	19.5	16.6	14.8	12.6		
	063	63.6	53.2	50.4	44.6	40.9	38.3	34.5	29.4	26.2	22.3			
	080	152	103	97	86	79	74	67	57	51	43			
	110	331	289	274	242	222	208	187	160	142	120			
	140	760	551	522	462	424	396	357	304	270	226			
	180	1490	1170	1110	980	900	840	750	640	570	470			
	250	4150	2980	2820	2500	2290	2140	1920	1620	1420	1120			
	032	2.70	2.34	2.21	1.96	1.80	1.68	1.53	1.30	1.16	0.99			
	040	10.2	9.57	9.06	8.02	7.36	6.88	6.26	5.33	4.76	4.03			
	050	37.9	30.2	28.5	25.3	23.2	21.7	19.7	16.8	15.0	12.8			
	063	63.6	53.4	50.5	44.7	41.0	38.4	34.9	29.8	26.6	22.6			
	080	152	103	98	86	79	74	67	57	51	44			
	110	331	290	275	243	223	209	190	162	144	122			
140	760	553	524	463	425	397	361	307	273	230				
180	1490	1170	1110	980	900	840	760	650	580	480				
250	4150	2990	2830	2510	2300	2150	1950	1640	1440	1160				
Basic	90	080	31.8	28.4	28.2	27.1	26.3	25.7	24.8	23.3	20.8	15.0		
		110	143	109	102	87	78	71	62	50	41	24		
		140	285	254	252	230	204	186	163	130	103	51		
		180	591	523	512	434	383	346	296	217	142			
		250	2020	1440	1350	1130	990	880	720	440				
	120	080	80.0	63.7	60.3	52.5	46.8	42.9	38.2	32.2	28.2	22.5		
		110	200	130	123	107	95	87	77	64	55	41		
		140	285	266	266	248	221	202	178	147	124	85		
		180	591	550	543	471	418	380	332	263	207	95		
		250	2020	1510	1420	1230	1090	980	840	620	410			
	150	080	80.0	65.2	61.7	54.6	48.9	44.8	40.0	33.9	29.9	24.5		
		110	200	133	126	111	100	91	81	68	59	47		
140		420	357	338	299	268	245	217	182	158	121			
180		976	688	651	575	514	469	414	340	285	190			
250		2020	1540	1460	1290	1140	1040	910	710	540	210			
Option	Parallel cam drive	30	150	080	80.0	63.7	60.3	52.5	46.8	42.9	38.2	32.2	28.2	22.5
				110	200	130	123	107	95	87	77	64	55	41
Linear, Circular and Phase drive	Table	24	300	032	2.70	2.33	2.21	1.95	1.79	1.67	1.51	1.29	1.15	0.98
				040	10.2	9.55	9.04	8.00	7.34	6.86	6.19	5.27	4.70	3.97
Wide angle	Table	24	330	032	2.70	2.34	2.21	1.96	1.80	1.68	1.53	1.30	1.16	0.99
				040	10.2	9.57	9.06	8.02	7.36	6.88	6.26	5.33	4.76	4.03
Standard	Compact	24	270	032	2.70	2.32	2.20	1.94	1.78	1.67	1.49	1.27	1.13	0.96
				040	10.2	9.51	9.01	7.97	7.31	6.84	6.11	5.20	4.63	3.91

Discontinue

Index series

● RGIS flange shaft (2 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
30	180	080	80.0	66.1	62.5	55.4	50.4	46.2	41.2	35.0	31.0	25.8
		110	200	134	127	113	102	94	84	71	62	50
		140	420	362	342	303	276	252	225	190	166	132
		180	976	698	660	584	531	485	430	358	307	224
		250	2020	1560	1480	1300	1180	1080	950	760	620	350
	210	080	80.0	66.6	63.1	55.8	51.2	47.2	42.2	35.9	31.9	26.7
		110	200	135	128	113	104	96	85	72	64	53
		140	420	365	345	306	280	258	230	195	172	140
		180	976	704	666	589	539	497	442	370	321	247
		250	2870	1980	1880	1660	1520	1400	1240	1020	860	600
	240	080	80.0	67.0	63.4	56.1	51.5	48.1	42.9	36.6	32.5	27.4
		110	200	136	129	114	104	98	87	74	65	54
		140	420	367	347	307	282	263	235	199	176	145
		180	976	708	670	593	543	507	451	380	332	262
		250	2870	1990	1890	1670	1530	1420	1260	1050	900	670
	270	080	80.0	67.2	63.6	56.3	51.7	48.3	43.6	37.1	33.1	27.9
		110	200	136	129	114	105	98	88	75	67	56
		140	420	368	349	309	283	264	238	202	179	149
		180	976	710	672	595	545	509	458	387	340	274
		250	2870	2000	1890	1680	1530	1430	1280	1080	930	720
	300	080	80.0	67.4	63.8	56.5	51.8	48.4	44.1	37.6	33.5	28.4
		110	200	137	129	115	105	98	89	76	68	57
		140	420	369	349	309	284	265	241	205	182	152
		180	976	712	674	597	547	511	465	393	347	283
250		2870	2010	1900	1680	1540	1440	1300	1100	960	750	
330	080	80.0	67.5	63.9	56.6	51.9	48.5	44.5	38.0	33.9	28.7	
	110	200	137	130	115	105	98	90	77	68	58	
	140	420	370	350	310	284	266	244	208	185	155	
	180	976	714	676	598	548	512	469	399	352	290	
	250	2870	2010	1900	1680	1540	1440	1320	1110	980	780	
32	90	080	31.8	28.7	28.6	27.5	26.7	26.1	25.2	23.7	21.3	15.6
		110	143	110	104	89	79	72	63	51	42	25
		140	285	257	256	233	208	189	166	133	106	56
		180	591	530	521	442	390	352	303	224	152	
		250	1630	1140	1070	900	780	690	560	320		
	120	080	31.8	30.0	29.9	29.5	28.7	28.1	27.2	25.9	23.8	18.8
		110	143	115	108	94	84	77	68	57	49	36
		140	285	268	268	251	223	204	181	149	127	89
		180	591	554	547	476	423	385	337	269	213	105
		250	2020	1520	1430	1240	1100	990	850	640	430	
	150	080	31.8	30.6	30.6	30.6	29.9	29.3	28.5	27.2	25.2	20.5
		110	143	117	110	98	88	80	71	60	52	41
		140	285	274	274	260	233	213	190	159	137	105
		180	591	567	560	495	443	404	357	292	244	159
		250	2020	1550	1470	1290	1150	1050	920	720	560	240
	180	080	80.0	66.3	62.8	55.6	50.8	46.5	41.5	35.3	31.3	26.0
		110	143	118	112	99	90	83	74	62	55	44
		140	285	277	277	263	240	220	196	165	144	115
		180	591	574	567	501	457	418	370	308	263	190
		250	2020	1570	1480	1310	1190	1090	960	770	630	370
	210	080	80.0	66.8	63.2	56.0	51.3	47.5	42.4	36.1	32.1	26.9
		110	200	136	128	114	104	96	86	73	64	53
		140	285	279	279	265	243	225	200	169	149	121
		180	591	578	571	505	463	428	380	318	276	210
250		2020	1580	1490	1320	1210	1110	980	810	680	460	

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Peak and Phase drive

Linear Circular

Option

Output torque table

Index series

● RGIS flange shaft (2 dwell)

Cam curve/MS

Product specifications
 Compact
 Standard
 Table
 Wide angle
 Basic
 Parallel cam drive
 Linear, Circular, Rack and Pinion drive
 Option

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
32	240	080	80.0	67.1	63.5	56.2	51.6	48.2	43.2	36.8	32.7	27.6
		110	200	136	129	114	105	98	87	74	66	55
		140	285	281	281	266	244	228	204	173	153	126
		180	591	581	574	508	466	435	388	326	285	224
		250	2020	1590	1500	1330	1210	1130	1010	840	710	520
	270	080	80.0	67.3	63.7	56.4	51.8	48.4	43.8	37.3	33.2	28.1
		110	200	137	129	114	105	98	89	75	67	56
		140	285	282	282	267	245	229	207	176	156	129
		180	976	712	674	596	546	510	461	389	342	277
		250	2020	1590	1510	1330	1220	1140	1020	860	740	560
	300	080	80.0	67.5	63.9	56.6	51.9	48.5	44.3	37.8	33.7	28.5
		110	200	137	130	115	105	98	90	76	68	57
140		285	282	282	268	246	230	210	178	158	132	
180		976	714	675	598	548	512	467	395	349	285	
250		2020	1600	1510	1340	1220	1140	1040	870	760	590	
330	080	80.0	67.6	64.0	56.7	52.0	48.6	44.6	38.2	34.1	28.9	
	110	200	137	130	115	105	98	90	77	69	58	
	140	285	283	283	268	246	230	211	180	160	134	
	180	976	715	677	599	549	513	470	400	354	292	
	250	2020	1600	1510	1340	1230	1140	1050	880	770	610	

Discontinue

Index series

Product specifications

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

Output torque table

Index series

● RGIS flange shaft (3 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)							
						Input shaft rotational speed (rpm)							
						10	20	30	40	50	70	100	140
Compact	24	150	025	1.49	1.12	1.06	0.93	0.83	0.76	0.67	0.58	0.50	0.43
			032	2.70	2.04	1.93	1.70	1.52	1.39	1.22	1.05	0.92	0.78
			040	10.9	9.39	9.39	9.32	9.08	8.89	8.52	7.38	6.40	5.43
			050	19.9	17.3	17.3	17.2	16.7	16.4	15.9	15.3	14.0	11.9
			063	85.1	62.3	59.0	51.9	46.4	42.5	37.2	32.2	28.0	23.9
			080	164	142	142	134	120	109	96	83	72	62
			110	591	378	358	314	281	257	225	194	168	141
			140	1160	798	755	664	593	542	474	408	349	287
			180	2860	1580	1490	1310	1170	1070	930	790	670	510
			250	5840	3680	3480	3050	2720	2480	2140	1780	1410	910
Standard	24	180	025	2.89	2.26	2.14	1.90	1.71	1.57	1.37	1.19	1.04	0.90
			032	4.77	3.75	3.55	3.14	2.83	2.60	2.28	1.98	1.73	1.49
			040	30.6	22.2	21.0	18.6	16.8	15.4	13.5	11.7	10.2	8.8
			050	50.1	38.5	36.5	32.3	29.1	26.7	23.4	20.3	17.8	15.3
			063	85.1	64.9	61.4	54.4	49.1	45.0	39.4	34.2	29.8	25.6
			080	242	194	183	162	146	134	117	102	89	77
			110	591	393	372	330	297	272	238	206	179	152
			140	1160	832	787	697	628	575	503	435	376	315
			180	2860	1640	1560	1380	1240	1140	990	850	720	590
			250	5840	3830	3620	3200	2880	2630	2280	1930	1590	1170
Table	24	210	025	2.89	2.33	2.20	1.95	1.78	1.63	1.43	1.25	1.09	0.94
			032	4.77	3.85	3.65	3.23	2.95	2.71	2.37	2.06	1.80	1.56
			040	30.6	22.8	21.6	19.1	17.5	16.0	14.0	12.2	10.7	9.2
			050	50.1	39.5	37.4	33.1	30.3	27.8	24.3	21.2	18.5	16.0
			063	85.1	66.6	63.0	55.8	51.1	46.8	41.0	35.6	31.1	26.8
			080	242	199	188	166	152	140	122	106	93	80
			110	738	527	498	441	404	370	324	281	245	210
			140	1640	1060	1010	890	820	750	650	570	490	420
			180	2860	1690	1600	1410	1290	1180	1030	890	770	630
			250	5840	3930	3720	3290	3000	2740	2390	2040	1710	1330
Wide angle	24	240	025	2.89	2.37	2.24	1.99	1.82	1.69	1.48	1.29	1.12	0.97
			032	4.77	3.92	3.71	3.29	3.02	2.79	2.45	2.13	1.86	1.61
			040	30.6	23.2	22.0	19.5	17.9	16.5	14.5	12.6	11.0	9.5
			050	50.1	40.2	38.1	33.7	30.9	28.6	25.1	21.8	19.1	16.5
			063	85.1	67.8	64.2	56.8	52.1	48.2	42.2	36.7	32.1	27.7
			080	262	246	243	216	198	183	160	139	122	106
			110	738	536	507	449	412	381	334	290	253	218
			140	1640	1080	1030	910	830	770	670	590	510	440
			180	2860	1720	1630	1440	1320	1220	1070	920	800	670
			250	5840	4000	3780	3350	3060	2830	2470	2120	1800	1440
Basic	24	270	025	2.89	2.40	2.27	2.01	1.85	1.73	1.51	1.32	1.15	1.00
			032	4.77	3.97	3.76	3.33	3.06	2.86	2.51	2.18	1.91	1.66
			040	30.6	23.5	22.3	19.7	18.1	16.9	14.8	12.9	11.3	9.8
			050	50.1	40.7	38.5	34.1	31.3	29.3	25.6	22.3	19.5	16.9
			063	85.1	68.6	65.0	57.5	52.8	49.3	43.2	37.6	32.9	28.5
			080	262	249	246	218	200	187	164	143	125	108
			110	738	542	514	455	417	390	342	297	259	224
			140	1640	1100	1040	920	840	790	690	600	520	450
			180	2860	1740	1650	1460	1340	1250	1090	950	820	690
			250	5840	4040	3830	3390	3100	2900	2530	2180	1860	1520
Option	24	270	025	2.89	2.40	2.27	2.01	1.85	1.73	1.51	1.32	1.15	1.00
			032	4.77	3.97	3.76	3.33	3.06	2.86	2.51	2.18	1.91	1.66
			040	30.6	23.5	22.3	19.7	18.1	16.9	14.8	12.9	11.3	9.8
			050	50.1	40.7	38.5	34.1	31.3	29.3	25.6	22.3	19.5	16.9
			063	85.1	68.6	65.0	57.5	52.8	49.3	43.2	37.6	32.9	28.5
			080	262	249	246	218	200	187	164	143	125	108
			110	738	542	514	455	417	390	342	297	259	224
			140	1640	1100	1040	920	840	790	690	600	520	450
			180	2860	1740	1650	1460	1340	1250	1090	950	820	690
			250	5840	4040	3830	3390	3100	2900	2530	2180	1860	1520

Discontinue

Index series

● RGIS flange shaft (3 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	20	30	40	50	70	100	140	200
24	300	025	2.89	2.43	2.30	2.03	1.87	1.74	1.54	1.34	1.18	1.02
		032	4.77	4.01	3.80	3.36	3.09	2.89	2.55	2.22	1.95	1.69
		040	30.6	23.7	22.5	19.9	18.2	17.1	15.1	13.1	11.5	10.0
		050	50.1	41.1	38.9	34.4	31.6	29.5	26.1	22.7	19.9	17.3
		063	85.1	69.2	65.5	58.0	53.2	49.8	44.1	38.3	33.5	29.1
		080	262	252	249	220	202	189	167	145	127	110
		110	738	547	518	459	421	393	348	303	265	229
	140	1640	1110	1050	930	850	800	700	610	530	460	
	180	2860	1760	1660	1470	1350	1260	1120	970	840	720	
	250	5840	4080	3860	3420	3130	2930	2580	2230	1920	1590	
	330	025	2.89	2.44	2.31	2.05	1.88	1.76	1.57	1.36	1.20	1.04
		032	4.77	4.04	3.83	3.39	3.11	2.91	2.59	2.26	1.98	1.72
		040	30.6	23.9	22.6	20.0	18.4	17.2	15.3	13.3	11.7	10.1
		050	50.1	41.3	39.1	34.6	31.8	29.7	26.5	23.1	20.2	17.5
063		85.1	69.7	66.0	58.4	53.6	50.1	44.7	38.9	34.1	29.5	
080		262	253	250	222	203	190	170	148	129	112	
110		738	551	522	462	424	396	354	307	269	233	
30	120	040	10.9	9.39	9.39	9.22	8.98	8.8	8.43	7.29	6.31	5.3
		050	22.8	19.7	19.7	19.4	18.8	17.9	15.7	13.6	11.8	10.0
		063	63.6	46.9	44.4	38.6	34.5	31.6	27.6	23.9	20.6	17.3
		080	152	90.4	85.6	74.4	66.5	60.9	53.2	45.9	39.6	32.9
		110	359	311	307	267	238	218	191	164	141	116
		140	760	483	457	398	355	324	282	240	201	154
		180	1490	1020	970	840	750	680	590	490	400	270
250	4150	2630	2490	2160	1920	1740	1480	1190	860	370		
30	150	025	1.49	1.18	1.11	0.99	0.88	0.81	0.71	0.61	0.53	0.46
		032	3.66	2.90	2.75	2.43	2.18	2.00	1.75	1.52	1.33	1.14
		040	10.9	9.85	9.85	9.85	9.62	9.42	9.04	7.84	6.82	5.82
		050	37.9	27.8	26.3	23.3	20.9	19.2	16.8	14.6	12.7	10.9
		063	85.1	65.4	61.9	54.8	49.1	45.0	39.4	34.2	29.8	25.5
		080	152	94.9	89.8	79.5	71.2	65.2	57.1	49.4	42.9	36.4
		110	359	326	322	285	255	234	205	177	153	129
	140	950	663	627	555	497	455	397	342	294	242	
	180	2100	1340	1270	1120	1000	920	800	680	570	450	
	250	4150	2760	2610	2310	2060	1880	1620	1350	1060	680	
	180	025	2.13	1.73	1.64	1.45	1.32	1.21	1.06	0.92	0.81	0.70
		032	3.66	2.99	2.83	2.51	2.28	2.09	1.83	1.59	1.39	1.20
		040	10.9	10.1	10.1	10.1	10.1	9.9	9.5	8.2	7.2	6.2
		050	37.9	28.6	27.1	24.0	21.8	20.0	17.5	15.2	13.3	11.5
063		85.1	67.2	63.6	56.4	51.3	47.1	41.2	35.8	31.3	26.9	
080		152	97.6	92.4	81.8	74.5	68.2	59.8	51.8	45.1	38.6	
110		359	335	331	293	267	244	214	186	161	137	
140	950	682	646	571	520	477	417	360	311	261		
180	2100	1380	1310	1160	1050	960	840	720	620	500		
250	4150	2840	2680	2370	2160	1970	1710	1440	1180	860		

Product specifications

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

Output torque table

Index series

● RGIS flange shaft (3 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)						
						Input shaft rotational speed (rpm)						
						10	20	30	40	50	70	100
Compact	210	025	2.13	1.77	1.67	1.48	1.36	1.25	1.10	0.96	0.84	0.72
		032	3.66	3.05	2.88	2.55	2.34	2.16	1.89	1.65	1.44	1.25
		040	10.9	10.3	10.3	10.3	10.3	10.2	9.8	8.5	7.4	6.4
		050	37.9	29.1	27.5	24.4	22.4	20.6	18.1	15.7	13.7	11.9
		063	85.1	68.4	64.8	57.4	52.6	48.6	42.6	37.0	32.3	27.9
		080	164	156	156	148	136	125	110	95	83	72
		110	359	341	337	298	273	252	221	192	167	143
		140	950	695	657	582	534	492	431	373	324	275
Standard	240	025	2.13	1.79	1.70	1.50	1.38	1.29	1.13	0.98	0.86	0.74
		032	3.66	3.08	2.92	2.58	2.37	2.22	1.94	1.69	1.48	1.28
		040	10.9	10.4	10.4	10.4	10.4	10.4	10.0	8.7	7.6	6.6
		050	37.9	29.4	27.9	24.7	22.6	21.1	18.5	16.1	14.1	12.2
		063	85.1	69.2	65.5	58.0	53.2	49.7	43.6	37.9	33.2	28.7
		080	164	158	158	150	137	128	113	98	86	74
		110	359	345	341	302	277	258	226	197	172	148
		140	950	703	666	589	540	505	442	383	334	285
Table	300	025	2.13	1.82	1.72	1.52	1.40	1.31	1.17	1.02	0.89	0.77
		032	3.66	3.13	2.96	2.62	2.41	2.25	2.01	1.75	1.53	1.33
		040	10.9	10.6	10.6	10.6	10.6	10.6	10.4	9.0	7.9	6.8
		050	37.9	29.8	28.2	25.0	22.9	21.4	19.2	16.7	14.6	12.7
		063	85.1	70.2	66.5	58.9	54.0	50.5	45.1	39.2	34.4	29.8
		080	164	160	160	152	139	130	116	101	89	77
		110	359	349	346	306	281	262	234	204	178	154
		140	950	713	675	598	548	513	458	398	347	299
Wide angle	270	025	2.13	1.81	1.71	1.51	1.39	1.30	1.15	1.00	0.88	0.76
		032	3.66	3.11	2.94	2.61	2.39	2.24	1.98	1.72	1.51	1.31
		040	10.9	10.5	10.5	10.5	10.5	10.5	10.2	8.9	7.8	6.7
		050	37.9	29.7	28.1	24.9	22.8	21.3	18.9	16.4	14.4	12.5
		063	85.1	69.8	66.1	58.5	53.7	50.2	44.4	38.6	33.8	29.3
		080	164	159	159	151	139	130	115	100	87	76
		110	359	347	344	304	279	261	231	201	175	151
		140	950	709	671	594	545	510	451	391	341	292
Basic	330	025	2.13	1.83	1.73	1.53	1.41	1.31	1.19	1.03	0.90	0.78
		032	3.66	3.14	2.98	2.64	2.42	2.26	2.04	1.77	1.55	1.35
		040	10.9	10.6	10.6	10.6	10.6	10.6	10.5	9.1	8.0	6.9
		050	37.9	30.0	28.4	25.1	23.0	21.5	19.4	16.9	14.8	12.8
		063	85.1	70.5	66.8	59.1	54.2	50.7	45.7	39.8	34.8	30.2
		080	164	161	161	153	140	131	118	103	90	78
		110	359	351	347	307	282	264	238	207	181	156
		140	950	717	679	601	551	515	464	403	352	304
Option	330	025	2.13	1.83	1.73	1.53	1.41	1.31	1.19	1.03	0.90	0.78
		032	3.66	3.14	2.98	2.64	2.42	2.26	2.04	1.77	1.55	1.35
		040	10.9	10.6	10.6	10.6	10.6	10.6	10.5	9.1	8.0	6.9
		050	37.9	30.0	28.4	25.1	23.0	21.5	19.4	16.9	14.8	12.8
		063	85.1	70.5	66.8	59.1	54.2	50.7	45.7	39.8	34.8	30.2
		080	164	161	161	153	140	131	118	103	90	78
		110	359	351	347	307	282	264	238	207	181	156
		140	950	717	679	601	551	515	464	403	352	304
Parallel cam drive	300	025	2.13	1.82	1.72	1.52	1.40	1.31	1.17	1.02	0.89	0.77
		032	3.66	3.13	2.96	2.62	2.41	2.25	2.01	1.75	1.53	1.33
		040	10.9	10.6	10.6	10.6	10.6	10.6	10.4	9.0	7.9	6.8
		050	37.9	29.8	28.2	25.0	22.9	21.4	19.2	16.7	14.6	12.7
		063	85.1	70.2	66.5	58.9	54.0	50.5	45.1	39.2	34.4	29.8
		080	164	160	160	152	139	130	116	101	89	77
		110	359	349	346	306	281	262	234	204	178	154
		140	950	713	675	598	548	513	458	398	347	299
Roller gear cam drive	30	025	2.13	1.77	1.67	1.48	1.36	1.25	1.10	0.96	0.84	0.72
		032	3.66	3.05	2.88	2.55	2.34	2.16	1.89	1.65	1.44	1.25
		040	10.9	10.3	10.3	10.3	10.3	10.2	9.8	8.5	7.4	6.4
		050	37.9	29.1	27.5	24.4	22.4	20.6	18.1	15.7	13.7	11.9
		063	85.1	68.4	64.8	57.4	52.6	48.6	42.6	37.0	32.3	27.9
		080	164	156	156	148	136	125	110	95	83	72
		110	359	341	337	298	273	252	221	192	167	143
		140	950	695	657	582	534	492	431	373	324	275
Table	240	025	2.13	1.79	1.70	1.50	1.38	1.29	1.13	0.98	0.86	0.74
		032	3.66	3.08	2.92	2.58	2.37	2.22	1.94	1.69	1.48	1.28
		040	10.9	10.4	10.4	10.4	10.4	10.4	10.0	8.7	7.6	6.6
		050	37.9	29.4	27.9	24.7	22.6	21.1	18.5	16.1	14.1	12.2
		063	85.1	69.2	65.5	58.0	53.2	49.7	43.6	37.9	33.2	28.7
		080	164	158	158	150	137	128	113	98	86	74
		110	359	345	341	302	277	258	226	197	172	148
		140	950	703	666	589	540	505	442	383	334	285
Wide angle	270	025	2.13	1.81	1.71	1.51	1.39	1.30	1.15	1.00	0.88	0.76
		032	3.66	3.11	2.94	2.61	2.39	2.24	1.98	1.72	1.51	1.31
		040	10.9	10.5	10.5	10.5	10.5	10.5	10.2	8.9	7.8	6.7
		050	37.9	29.7	28.1	24.9	22.8	21.3	18.9	16.4	14.4	12.5
		063	85.1	69.8	66.1	58.5	53.7	50.2	44.4	38.6	33.8	29.3
		080	164	159	159	151	139	130	115	100	87	76
		110	359	347	344	304	279	261	231	201	175	151
		140	950	709	671	594	545	510	451	391	341	292
Basic	300	025	2.13	1.82	1.72	1.52	1.40	1.31	1.17	1.02	0.89	0.77
		032	3.66	3.13	2.96	2.62	2.41	2.25	2.01	1.75	1.53	1.33
		040	10.9	10.6	10.6	10.6	10.6	10.6	10.4	9.0	7.9	6.8
		050	37.9	29.8	28.2	25.0	22.9	21.4	19.2	16.7	14.6	12.7
		063	85.1	70.2	66.5	58.9	54.0	50.5	45.1	39.2	34.4	29.8
		080	164	160	160	152	139	130	116	101	89	77
		110	359	349	346	306	281	262	234	204	178	154
		140	950	713	675	598	548	513	458	398	347	299
Wide angle	270	025	2.13	1.81	1.71	1.51	1.39	1.30	1.15	1.00	0.88	0.76
		032	3.66	3.11	2.94	2.61	2.39	2.24	1.98	1.72	1.51	1.31
		040	10.9	10.5	10.5	10.5	10.5	10.5	10.2	8.9	7.8	6.7
		050	37.9	29.7	28.1	24.9	22.8	21.3	18.9	16.4	14.4	12.5
		063	85.1	69.8	66.1	58.5	53.7	50.2	44.4	38.6	33.8	29.3
		080	164	159	159	151	139	130	115	100	87	76
		110	359	347	344	304	279	261	231	201	175	151
		140	950	709	671	594	545	510	451	391	341	292
Basic	300	025	2.13	1.82	1.72	1.52	1.40	1.31	1.17	1.02	0.89	0.77
		032	3.66	3.13	2.96	2.62	2.41	2.25	2.01	1.75	1.53	1.33
		040	10.9	10.6	10.6	10.6	10.6	10.6	10.4	9.0	7.9	6.8
		050	37.9	29.8	28.2	25.0	22.9	21.4	19.2	16.7	14.6	12.7
		063	85.1	70.2	66.5	58.9	54.0	50.5	45.1	39.2	34.4	29.8
		080	164	160	160	152	139	130	116	101	89	77
		110	359	349	346	306	281	262	234	204	178	154
		140	950	713	675	598	548	513	458	398	347	299
Wide angle	270	025	2.13	1.81	1.71	1.51	1.39	1.30	1.15	1.00	0.88	0.76
		032	3.66	3.11	2.94	2.61	2.39	2.24	1.98	1.72	1.51	1.31
		040	10.9	10.5	10.5	10.5	10.5	10.5	10.2	8.9	7.8	6.7
		050	37.9	29.7	28.1	24.9	22.8	21.3	18.9	16.4	14.4	12.5
		063	85.1	69.8	66.1	58.5	53.7	50.2	44.4	38.6	33.8	29.3
		080	164	159	159	151	139	130	115	100	87	76
		110	359	347	344	304	279	261	231	201	175	151
		140	950	709	671	594	545	510	451	391	341	292
Basic	300	025	2.13	1.82	1.72	1.52	1.40	1.31	1.17	1.02	0.89	0.77
		032	3.66	3.13	2.96	2.62	2.41	2.25	2.01	1.75	1.53	1.33

Discontinue

Index series

● RGIS flange shaft (3 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	20	30	40	50	70	100	140	200
36	90	040	7.19	6.13	5.80	4.95	4.42	4.04	3.51	2.99	2.50	1.91
		050	13.1	10.2	9.6	8.2	7.3	6.7	5.8	5.0	4.2	3.3
		063	16.4	14.1	14.1	13.6	13.2	12.9	12.3	10.5	8.8	6.8
		080	80.0	57.6	54.5	46.6	41.5	38.0	33.1	28.2	23.7	18.5
		110	200	119	112	96	85	78	67	56	45	31
		140	420	315	298	254	226	206	177	147	115	72
		180	976	603	569	484	429	388	327	256	172	
	250	2020	1370	1290	1090	950	850	680	460			
	120	032	2.70	2.13	2.01	1.77	1.58	1.45	1.27	1.10	0.95	0.81
		040	10.2	8.87	8.40	7.37	6.58	6.02	5.26	4.54	3.91	3.26
		050	12.8	11.7	11.7	11.6	11.3	11.1	10.6	9.2	8.0	6.7
		063	25.3	22.8	22.8	22.5	22.0	21.5	20.8	20.0	18.1	15.3
		080	108	82.5	78.1	68.5	61.2	56.0	49.0	42.3	36.5	30.5
		110	225	203	203	190	170	156	136	117	100	82
		140	462	414	409	359	320	293	255	217	183	142
	180	1220	844	799	699	623	568	491	411	330	222	
	250	3910	2260	2140	1870	1660	1510	1280	1040	760	340	
	150	032	2.70	2.21	2.09	1.85	1.67	1.53	1.34	1.16	1.02	0.87
		040	10.2	9.14	8.65	7.66	6.92	6.34	5.55	4.80	4.17	3.53
		050	12.8	12.1	12.1	12.1	11.9	11.7	11.2	9.7	8.4	7.2
		063	63.6	50.5	47.8	42.4	38.3	35.1	30.7	26.6	23.2	19.8
		080	108	85.5	80.9	71.7	64.7	59.3	51.9	45.0	39.1	33.2
		110	225	210	210	199	180	165	144	125	108	90
		140	462	429	424	376	339	310	271	233	199	163
	180	1220	876	829	733	661	604	525	446	372	282	
	250	3910	2340	2220	1960	1760	1610	1380	1150	920	590	
	180	032	2.70	2.25	2.13	1.89	1.73	1.59	1.39	1.21	1.06	0.91
		040	10.2	9.30	8.80	7.79	7.15	6.56	5.75	4.98	4.34	3.71
		050	12.8	12.3	12.3	12.3	12.3	12.1	11.6	10.0	8.8	7.5
		063	63.6	51.6	48.8	43.2	39.6	36.4	31.9	27.7	24.2	20.8
		080	108	87.3	82.6	73.2	67.1	61.6	53.9	46.8	40.8	34.9
		110	225	214	214	203	186	171	150	130	113	96
		140	760	534	505	447	410	376	329	284	246	206
	180	1490	1130	1070	950	870	800	690	600	510	410	
	250	3910	2390	2260	2000	1830	1670	1450	1230	1010	740	
	210	032	2.70	2.28	2.16	1.91	1.76	1.63	1.43	1.25	1.09	0.94
040		10.2	9.40	8.90	7.88	7.23	6.72	5.89	5.11	4.46	3.83	
050		12.8	12.4	12.4	12.4	12.4	12.4	11.9	10.3	9.0	7.8	
063		63.6	52.2	49.5	43.8	40.2	37.4	32.8	28.5	24.9	21.5	
080		152	101	95	85	78	72	63	55	48	41	
110		331	284	269	238	218	203	178	154	135	115	
140		760	541	512	453	415	387	338	293	254	215	
180	1490	1150	1080	960	880	820	710	620	530	440		
250	4150	2930	2770	2450	2250	2090	1820	1550	1310	1040		
240	032	2.70	2.30	2.18	1.93	1.77	1.66	1.46	1.27	1.11	0.97	
	040	10.2	9.47	8.96	7.93	7.28	6.80	6.01	5.22	4.56	3.93	
	050	12.8	12.5	12.5	12.5	12.5	12.5	12.1	10.5	9.2	7.9	
	063	63.6	52.7	49.9	44.2	40.5	37.9	33.4	29.1	25.4	22.0	
	080	152	102	96	85	78	73	65	56	49	42	
	110	331	286	271	240	220	206	182	158	138	118	
	140	760	545	516	457	419	392	346	300	261	223	
180	1490	1160	1090	970	890	830	730	630	550	460		
250	4150	2950	2800	2470	2270	2120	1860	1600	1360	1100		

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
Wide angle	Basic
	Parallel cam drive
Pitch and Pressure	Linear
	Circular
Option	

Output torque table

Index series

● RGIS flange shaft (3 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)										
						Input shaft rotational speed (rpm)										
						10	20	30	40	50	70	100	140	200		
Roller gear cam drive	Compact	36	270	032	2.70	2.32	2.20	1.94	1.78	1.67	1.49	1.29	1.13	0.98		
				040	10.2	9.51	9.01	7.97	7.31	6.84	6.10	5.30	4.64	4.01		
				050	12.8	12.6	12.6	12.6	12.6	12.6	12.3	10.7	9.3	8.1		
				063	63.6	53.0	50.2	44.4	40.7	38.1	34.0	29.6	25.9	22.4		
				080	152	102	97	86	79	74	66	57	50	43		
				110	331	288	273	241	221	207	185	160	140	121		
				140	760	549	520	460	422	394	352	305	266	228		
				180	1490	1160	1100	970	890	840	740	640	560	470		
				250	4150	2970	2810	2490	2280	2130	1890	1630	1400	1150		
				Standard	36	300	032	2.70	2.33	2.21	1.95	1.79	1.68	1.51	1.31	1.15
	040	10.2	9.55				9.04	8.00	7.34	6.86	6.18	5.37	4.70	4.07		
	050	12.8	12.6				12.6	12.6	12.6	12.6	12.4	10.8	9.5	8.2		
	063	63.6	53.2				50.4	44.6	40.9	38.3	34.5	30.0	26.3	22.8		
	080	152	103				97	86	79	74	67	58	51	44		
	110	331	289				274	242	222	208	187	163	142	123		
	140	760	551				522	462	424	396	357	310	270	232		
	180	1490	1170				1110	980	900	840	760	650	570	480		
	250	4150	2980				2820	2500	2290	2140	1920	1660	1430	1190		
	Wide angle	36	330				032	2.70	2.34	2.21	1.96	1.80	1.68	1.52	1.33	1.16
				040	10.2	9.57	9.06	8.02	7.36	6.88	6.22	5.44	4.76	4.12		
				050	12.8	12.6	12.6	12.6	12.6	12.6	12.5	10.9	9.6	8.3		
				063	63.6	53.4	50.5	44.7	41.0	38.4	34.7	30.3	26.6	23.1		
				080	152	103	98	86	79	74	67	59	51	44		
				110	331	290	275	243	223	209	188	165	144	125		
				140	760	553	524	464	425	397	359	314	274	236		
180				1490	1170	1110	980	900	840	760	660	580	490			
250				4150	2990	2830	2510	2300	2150	1940	1680	1460	1220			
Basic				48	90	080	31.8	28.7	28.7	28.1	27.3	26.7	25.7	24.5	21.8	17.4
	110	143	110			104	90	80	73	64	54	44	32			
	140	285	257			257	238	212	194	167	140	113	77			
	180	591	530			523	451	401	363	309	248	178				
	250	1630	1150			1080	930	810	730	590	410					
	Parallel cam drive	48	120			080	31.8	30.0	30.0	29.9	29.3	28.6	27.7	26.6	24.0	20.0
						110	143	115	108	96	86	79	69	59	50	40
						140	285	268	268	254	228	208	181	155	130	101
						180	591	555	548	484	433	394	340	284	227	151
						250	2020	1520	1440	1270	1130	1020	870	700	510	210
Circular Pike and Rase drive				48	150	080	31.8	30.6	30.6	30.6	30.5	29.9	28.9	27.9	25.3	21.5
						110	143	117	110	98	89	82	72	62	53	44
						140	285	274	274	260	238	218	190	163	140	114
						180	591	567	560	495	452	413	359	305	253	190
						250	2020	1550	1470	1300	1180	1080	930	770	600	380
	Option	48	180			080	80.0	66.3	62.8	55.6	51.0	47.4	41.5	36.0	31.4	26.9
						110	143	118	112	99	91	84	74	64	55	46
						140	285	277	277	263	241	224	196	169	146	122
						180	591	574	567	502	459	426	372	318	269	213
						250	2020	1570	1480	1310	1200	1110	960	810	660	480
Option				48	210	080	80.0	66.8	63.2	56.0	51.3	48.0	42.4	36.8	32.2	27.7
						110	200	136	128	114	104	97	86	75	65	55
						140	285	279	279	265	243	227	200	173	150	127
						180	591	578	572	506	463	433	381	328	280	228
						250	2020	1580	1490	1320	1210	1130	990	840	700	540

Discontinue

Index series

● RGIS flange shaft (3 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	20	30	40	50	70	100	140	200
48	240	080	80.0	67.1	63.5	56.2	51.6	48.2	43.1	37.5	32.8	28.3
		110	200	136	129	114	105	98	87	76	66	57
		140	285	281	281	266	244	228	204	177	154	131
		180	591	581	574	508	466	435	388	335	288	239
		250	2020	1590	1500	1330	1220	1140	1010	860	730	580
	270	080	80.0	67.3	63.7	56.4	51.8	48.4	43.7	38.0	33.3	28.8
		110	200	137	129	114	105	98	89	77	67	58
		140	285	282	282	267	245	229	207	180	156	134
		180	976	712	674	596	547	511	461	399	345	291
		250	2020	1590	1510	1330	1220	1140	1030	880	750	610
	300	080	80.0	67.5	63.9	56.6	51.9	48.5	43.8	38.5	33.7	29.2
		110	200	137	130	115	105	98	89	78	68	59
		140	285	282	282	268	246	230	207	182	159	136
		180	976	714	675	598	548	512	462	404	351	298
		250	2020	1600	1510	1340	1220	1140	1030	900	770	630
	330	080	80.0	67.6	64.0	56.7	52.0	48.6	43.9	38.9	34.1	29.5
		110	200	137	130	115	105	99	89	79	69	59
		140	285	283	283	268	246	230	208	184	161	138
		180	976	715	677	599	549	513	463	409	356	303
		250	2020	1600	1510	1340	1230	1150	1030	910	780	650

Product specifications

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

Output torque table

● RGIS flange shaft (4 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						10	15	20	30	40	50	75	100	150
Compact	Roller gear cam drive	32	180	025	1.49	1.17	1.10	1.01	0.89	0.80	0.73	0.62	0.55	0.47
				032	2.70	2.13	2.01	1.85	1.63	1.45	1.33	1.14	1.01	0.86
				040	10.9	9.78	9.78	9.78	9.74	9.48	9.29	7.95	7.08	5.96
				050	50.1	38.5	36.5	33.5	29.5	26.4	24.2	20.6	18.4	15.6
				063	85.1	64.9	61.4	56.4	49.7	44.4	40.7	34.7	30.9	26.1
				080	164	148	148	145	128	115	105	89	80	67
				110	591	393	372	341	301	269	246	210	186	156
				140	1160	832	787	722	637	568	520	442	391	324
				180	2860	1640	1560	1430	1260	1120	1030	870	760	610
				250	5840	3830	3620	3320	2920	2600	2370	1980	1710	1280
Standard	Roller gear cam drive	32	210	025	2.89	2.33	2.20	2.02	1.79	1.61	1.48	1.26	1.13	0.96
				032	4.77	3.85	3.65	3.35	2.96	2.67	2.45	2.09	1.87	1.59
				040	30.6	22.8	21.6	19.8	17.5	15.8	14.5	12.4	11.0	9.4
				050	50.1	39.5	37.4	34.3	30.4	27.4	25.1	21.4	19.1	16.2
				063	85.1	66.6	63.0	57.8	51.2	46.2	42.4	36.1	32.2	27.3
				080	242	199	188	172	153	138	126	108	96	81
				110	738	527	498	457	405	365	335	285	254	214
				140	1640	1060	1010	920	820	740	680	580	510	430
				180	2860	1690	1600	1470	1300	1170	1070	910	800	660
				250	5840	3930	3720	3410	3010	2710	2480	2080	1820	1420
Table	Roller gear cam drive	32	240	025	2.89	2.37	2.24	2.06	1.82	1.67	1.53	1.30	1.16	0.99
				032	4.77	3.92	3.71	3.41	3.02	2.76	2.53	2.16	1.93	1.64
				040	30.6	23.2	22.0	20.2	17.9	16.3	15.0	12.8	11.4	9.7
				050	50.1	40.2	38.1	34.9	30.9	28.3	25.9	22.1	19.7	16.8
				063	85.1	67.8	64.2	58.9	52.1	47.6	43.6	37.2	33.2	28.2
				080	262	246	243	223	198	181	166	141	126	107
				110	738	536	507	465	412	376	345	294	262	222
				140	1640	1080	1030	940	830	760	700	590	530	450
				180	2860	1720	1630	1490	1320	1210	1100	940	830	690
				250	5840	4000	3780	3470	3070	2800	2580	2160	1890	1520
Wide angle	Roller gear cam drive	32	270	025	2.89	2.40	2.27	2.09	1.85	1.69	1.56	1.33	1.19	1.01
				032	4.77	3.97	3.76	3.45	3.06	2.80	2.59	2.21	1.97	1.68
				040	30.6	23.5	22.3	20.4	18.1	16.6	15.3	13.1	11.7	9.9
				050	50.1	40.7	38.5	35.3	31.3	28.7	26.5	22.6	20.2	17.2
				063	85.1	68.6	65.0	59.6	52.8	48.4	44.7	38.1	34.0	28.9
				080	262	249	246	226	200	184	169	145	129	110
				110	738	542	514	471	417	382	353	301	268	228
				140	1640	1100	1040	950	840	770	710	610	540	460
				180	2860	1740	1650	1510	1340	1230	1130	960	850	710
				250	5840	4040	3830	3510	3110	2840	2620	2220	1950	1590
Basic	Parallel cam drive	32	300	025	2.89	2.43	2.30	2.11	1.87	1.71	1.59	1.36	1.22	1.04
				032	4.77	4.01	3.80	3.49	3.09	2.83	2.64	2.25	2.01	1.71
				040	30.6	23.7	22.5	20.6	18.2	16.7	15.6	13.3	11.9	10.1
				050	50.1	41.1	38.9	35.7	31.6	29.0	27.0	23.0	20.6	17.5
				063	85.1	69.2	65.5	60.1	53.2	48.8	45.5	38.8	34.7	29.5
				080	262	252	249	228	202	185	173	147	132	112
				110	738	547	518	475	421	386	360	307	274	232
				140	1640	1110	1050	960	850	780	730	620	550	470
				180	2860	1760	1660	1530	1350	1240	1150	980	870	730
				250	5840	4080	3860	3540	3130	2870	2670	2260	2000	1640
Option	Linear, Circular, Pk & Rase drive	32	300	025	2.89	2.43	2.30	2.11	1.87	1.71	1.59	1.36	1.22	1.04
				032	4.77	4.01	3.80	3.49	3.09	2.83	2.64	2.25	2.01	1.71
				040	30.6	23.7	22.5	20.6	18.2	16.7	15.6	13.3	11.9	10.1
				050	50.1	41.1	38.9	35.7	31.6	29.0	27.0	23.0	20.6	17.5
				063	85.1	69.2	65.5	60.1	53.2	48.8	45.5	38.8	34.7	29.5
				080	262	252	249	228	202	185	173	147	132	112
				110	738	547	518	475	421	386	360	307	274	232
				140	1640	1110	1050	960	850	780	730	620	550	470
				180	2860	1760	1660	1530	1350	1240	1150	980	870	730
				250	5840	4080	3860	3540	3130	2870	2670	2260	2000	1640

Discontinue

Index series

● RGIS flange shaft (4 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	15	20	30	40	50	75	100	150
32	330	025	2.89	2.44	2.31	2.12	1.88	1.72	1.61	1.38	1.24	1.05
		032	4.77	4.04	3.83	3.51	3.11	2.85	2.67	2.29	2.04	1.74
		040	30.6	23.9	22.6	20.7	18.4	16.8	15.8	13.5	12.1	10.3
		050	50.1	41.3	39.1	35.9	31.8	29.1	27.3	23.4	20.9	17.8
		063	85.1	69.7	66.0	60.5	53.6	49.2	46.0	39.4	35.2	30.0
		080	262	253	250	230	203	187	174	150	134	114
		110	738	551	522	479	424	389	363	311	278	236
		140	1640	1120	1060	970	860	790	740	630	560	480
		180	2860	1770	1680	1540	1360	1250	1170	1000	890	750
		250	5840	4110	3890	3570	3160	2890	2700	2300	2040	1690
36	150	032	2.70	2.10	1.99	1.82	1.59	1.42	1.30	1.11	0.99	0.83
		040	10.9	9.65	9.65	9.65	9.50	9.26	9.06	7.75	6.89	5.78
		050	37.9	27.3	25.8	23.7	20.7	18.5	16.9	14.4	12.8	10.8
		063	63.6	48.2	45.6	41.8	36.5	32.6	29.8	25.4	22.6	18.9
		080	152	92.9	88.0	80.7	70.4	62.8	57.5	48.9	43.4	36.2
		110	359	319	315	289	252	225	206	175	155	129
		140	760	497	471	432	376	335	307	259	227	182
		180	2100	1310	1240	1140	990	880	810	680	590	460
	250	4150	2710	2560	2350	2040	1810	1640	1350	1130	740	
	180	025	2.13	1.71	1.62	1.48	1.31	1.17	1.08	0.92	0.82	0.69
		032	4.77	3.83	3.63	3.33	2.94	2.64	2.42	2.06	1.84	1.56
		040	30.6	22.7	21.5	19.7	17.4	15.6	14.3	12.2	10.9	9.2
		050	51.5	39.3	37.2	34.1	30.2	27.1	24.8	21.1	18.9	16.0
		063	85.1	66.2	62.7	57.5	50.9	45.6	41.8	35.6	31.7	26.8
		080	164	151	151	148	131	118	108	92	82	69
		110	591	401	380	348	308	276	253	215	191	160
		140	1160	849	804	737	653	584	534	454	403	335
		180	2860	1680	1590	1460	1290	1150	1050	890	790	640
		250	5840	3910	3700	3390	2990	2670	2440	2040	1770	1350
		210	025	2.13	1.75	1.65	1.52	1.34	1.22	1.12	0.95	0.85
032			4.77	3.92	3.71	3.40	3.01	2.73	2.50	2.14	1.91	1.62
040	30.6		23.2	21.9	20.1	17.8	16.2	14.8	12.6	11.3	9.6	
050	51.5		40.1	38.0	34.9	30.9	28.0	25.7	21.9	19.5	16.6	
063	85.1		67.6	64.0	58.7	52.0	47.2	43.3	36.9	32.9	27.9	
080	164		154	154	152	134	122	112	95	85	72	
110	591		410	388	356	315	286	262	223	199	168	
140	1160		868	822	754	667	605	554	472	419	351	
180	2860		1720	1620	1490	1320	1200	1090	930	820	680	
250	5840		3990	3780	3460	3060	2770	2530	2130	1860	1470	
240	025	2.13	1.77	1.68	1.54	1.36	1.25	1.15	0.98	0.87	0.74	
	032	4.77	3.97	3.76	3.45	3.06	2.80	2.57	2.20	1.96	1.67	
	040	30.6	23.5	22.3	20.4	18.1	16.6	15.2	13.0	11.6	9.9	
	050	51.5	40.7	38.5	35.3	31.3	28.7	26.3	22.5	20.1	17.1	
	063	85.1	68.6	65.0	59.6	52.8	48.4	44.4	37.9	33.8	28.7	
	080	164	156	156	154	136	125	115	98	87	74	
	110	591	416	394	361	320	293	269	229	204	173	
	140	1160	881	834	765	677	621	570	485	432	364	
	180	2860	1740	1650	1510	1340	1230	1120	960	850	700	
	250	5840	4040	3830	3510	3100	2840	2600	2200	1930	1560	

Product specifications

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

Output torque table

Index series

● RGIS flange shaft (4 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						10	15	20	30	40	50	75	100	150
Roller gear cam drive	Compact	36	270	025	2.13	1.79	1.70	1.56	1.38	1.26	1.17	1.00	0.89	0.76
				032	4.77	4.02	3.80	3.49	3.09	2.83	2.63	2.24	2.00	1.71
				040	30.6	23.7	22.5	20.6	18.3	16.7	15.5	13.3	11.8	10.1
				050	51.5	41.1	38.9	35.7	31.6	29.0	26.9	22.9	20.5	17.4
				063	85.1	69.3	65.6	60.2	53.3	48.9	45.3	38.7	34.5	29.4
				080	164	158	158	155	137	126	117	100	89	76
				110	591	420	397	365	323	296	275	234	209	177
				140	1160	890	843	773	684	627	582	496	442	373
				180	2860	1760	1670	1530	1350	1240	1150	980	870	730
				250	5840	4080	3870	3550	3140	2870	2660	2250	1990	1630
	Standard	36	300	025	2.13	1.81	1.71	1.57	1.39	1.27	1.19	1.02	0.91	0.77
				032	4.77	4.05	3.83	3.52	3.11	2.86	2.67	2.28	2.04	1.74
				040	30.6	23.9	22.7	20.8	18.4	16.9	15.8	13.5	12.0	10.3
				050	51.5	41.4	39.2	35.9	31.8	29.2	27.3	23.3	20.8	17.8
				063	85.1	69.8	66.1	60.6	53.7	49.2	46.0	39.3	35.1	29.9
				080	164	159	159	156	139	127	119	102	91	77
				110	591	423	400	367	325	298	279	238	213	180
				140	1160	897	849	779	689	632	591	505	450	381
				180	2860	1770	1680	1540	1360	1250	1170	1000	890	740
				250	5840	4110	3890	3570	3160	2900	2700	2300	2030	1680
	Table	36	330	025	2.13	1.82	1.72	1.58	1.40	1.28	1.20	1.03	0.92	0.79
				032	4.77	4.07	3.85	3.54	3.13	2.87	2.69	2.32	2.07	1.76
				040	30.6	24.1	22.8	20.9	18.5	17.0	15.9	13.7	12.2	10.4
				050	51.5	41.6	39.4	36.1	32.0	29.3	27.4	23.7	21.1	18.0
				063	85.1	70.2	66.5	61.0	54.0	49.5	46.3	39.9	35.6	30.4
080				164	160	160	157	139	128	119	103	92	78	
110				591	425	402	369	327	300	280	242	216	183	
140				1160	902	854	783	693	636	595	512	457	387	
180				2860	1780	1690	1550	1370	1260	1170	1010	900	760	
250				5840	4130	3910	3590	3180	2910	2720	2330	2070	1720	
Wide angle	36	330	025	2.13	1.82	1.72	1.58	1.40	1.28	1.20	1.03	0.92	0.79	
			032	4.77	4.07	3.85	3.54	3.13	2.87	2.69	2.32	2.07	1.76	
			040	30.6	24.1	22.8	20.9	18.5	17.0	15.9	13.7	12.2	10.4	
			050	51.5	41.6	39.4	36.1	32.0	29.3	27.4	23.7	21.1	18.0	
			063	85.1	70.2	66.5	61.0	54.0	49.5	46.3	39.9	35.6	30.4	
			080	164	160	160	157	139	128	119	103	92	78	
			110	591	425	402	369	327	300	280	242	216	183	
			140	1160	902	854	783	693	636	595	512	457	387	
			180	2860	1780	1690	1550	1370	1260	1170	1010	900	760	
			250	5840	4130	3910	3590	3180	2910	2720	2330	2070	1720	
Basic	40	150	025	1.49	1.18	1.11	1.02	0.89	0.80	0.73	0.62	0.55	0.47	
			032	2.70	2.14	2.03	1.86	1.63	1.46	1.33	1.14	1.01	0.85	
			040	10.9	9.85	9.85	9.85	9.75	9.49	9.30	7.95	7.07	5.94	
			050	37.9	27.8	26.3	24.2	21.2	18.9	17.3	14.8	13.1	11.1	
			063	63.6	49.2	46.5	42.7	37.4	33.4	30.6	26.0	23.2	19.4	
			080	152	94.8	89.8	82.4	72.2	64.5	59.0	50.2	44.6	37.3	
			110	359	326	322	295	259	231	211	180	159	133	
			140	950	663	627	575	504	450	411	348	307	251	
			180	2100	1340	1270	1160	1020	910	830	700	610	480	
			250	4150	2760	2610	2390	2090	1860	1690	1390	1170	800	
Parallell cam drive	40	180	025	2.13	1.73	1.64	1.51	1.33	1.20	1.10	0.94	0.84	0.71	
			032	3.66	2.99	2.83	2.60	2.30	2.07	1.89	1.62	1.44	1.22	
			040	10.9	10.1	10.1	10.1	10.1	9.9	9.7	8.3	7.4	6.3	
			050	37.9	28.6	27.1	24.8	22.0	19.8	18.1	15.4	13.8	11.7	
			063	85.1	67.2	63.6	58.4	51.7	46.5	42.6	36.3	32.4	27.4	
			080	164	153	153	151	133	120	110	94	84	71	
			110	359	335	331	304	269	242	221	188	167	141	
			140	950	682	646	592	524	471	431	366	324	269	
			180	2100	1380	1310	1200	1060	950	870	740	650	520	
			250	4150	2840	2680	2460	2170	1950	1770	1480	1270	950	
Option	40	180	025	2.13	1.73	1.64	1.51	1.33	1.20	1.10	0.94	0.84	0.71	
			032	3.66	2.99	2.83	2.60	2.30	2.07	1.89	1.62	1.44	1.22	
			040	10.9	10.1	10.1	10.1	10.1	9.9	9.7	8.3	7.4	6.3	
			050	37.9	28.6	27.1	24.8	22.0	19.8	18.1	15.4	13.8	11.7	
			063	85.1	67.2	63.6	58.4	51.7	46.5	42.6	36.3	32.4	27.4	
			080	164	153	153	151	133	120	110	94	84	71	
			110	359	335	331	304	269	242	221	188	167	141	
			140	950	682	646	592	524	471	431	366	324	269	
			180	2100	1380	1310	1200	1060	950	870	740	650	520	
			250	4150	2840	2680	2460	2170	1950	1770	1480	1270	950	

Discontinue

Index series

● RGIS flange shaft (4 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	15	20	30	40	50	75	100	150
40	210	025	2.13	1.77	1.67	1.54	1.36	1.24	1.14	0.97	0.86	0.73
		032	3.66	3.05	2.88	2.64	2.34	2.14	1.96	1.67	1.49	1.27
		040	10.9	10.3	10.3	10.3	10.3	10.3	10.0	8.6	7.7	6.5
		050	37.9	29.1	27.5	25.3	22.4	20.4	18.7	15.9	14.2	12.1
		063	85.1	68.4	64.8	59.4	52.6	48.0	44.0	37.5	33.5	28.4
		080	164	156	156	153	136	124	113	97	86	73
		110	359	341	337	309	273	249	228	195	173	146
		140	950	694	657	603	534	487	446	379	337	282
	180	2100	1410	1330	1220	1080	980	900	760	670	550	
	250	5840	4030	3820	3500	3100	2820	2570	2170	1900	1510	
	240	025	2.13	1.79	1.70	1.56	1.38	1.26	1.16	0.99	0.89	0.75
		032	3.66	3.08	2.92	2.68	2.37	2.17	2.01	1.71	1.53	1.30
		040	10.9	10.4	10.4	10.4	10.4	10.4	10.3	8.8	7.9	6.7
		050	37.9	29.4	27.9	25.6	22.6	20.7	19.1	16.3	14.6	12.4
		063	85.1	69.2	65.5	60.1	53.2	48.8	45.0	38.4	34.3	29.1
		080	164	158	158	155	137	126	116	99	88	75
		110	359	345	341	313	277	254	234	199	178	150
		140	950	703	666	610	540	495	457	389	346	291
	180	2100	1420	1350	1240	1090	1000	920	780	690	580	
	250	5840	4080	3860	3540	3130	2870	2640	2230	1970	1600	
	270	025	2.13	1.81	1.71	1.57	1.39	1.27	1.19	1.01	0.91	0.77
		032	4.77	4.05	3.83	3.52	3.11	2.86	2.66	2.27	2.03	1.70
		040	10.9	10.5	10.5	10.5	10.5	10.5	10.5	9.0	8.0	6.8
		050	37.9	29.7	28.1	25.8	22.8	20.9	19.5	16.6	14.9	12.6
		063	85.1	69.8	66.1	60.6	53.7	49.2	45.9	39.2	35.0	29.7
		080	164	159	159	156	139	127	118	101	90	77
		110	359	347	344	315	279	256	238	203	181	154
		140	950	709	671	616	545	500	466	397	353	298
180	2100	1430	1360	1250	1100	1010	940	800	710	590		
250	5840	4110	3890	3570	3160	2890	2690	2280	2020	1660		
300	025	2.13	1.82	1.72	1.58	1.40	1.28	1.20	1.03	0.92	0.78	
	032	4.77	4.07	3.86	3.54	3.13	2.87	2.69	2.31	2.06	1.80	
	040	10.9	10.6	10.6	10.6	10.6	10.6	10.6	9.1	8.2	6.9	
	050	37.9	29.8	28.2	25.9	22.9	21.0	19.7	16.9	15.1	12.8	
	063	85.1	70.2	66.5	61.0	54.0	49.5	46.3	39.8	35.5	30.2	
	080	164	160	160	157	139	128	120	103	92	78	
	110	359	349	346	317	281	257	241	207	184	156	
	140	950	713	675	620	548	503	470	403	359	304	
180	2100	1440	1370	1250	1110	1020	950	810	720	610		
250	5840	4140	3920	3590	3180	2910	2720	2320	2060	1700		
330	025	2.13	1.83	1.73	1.59	1.41	1.29	1.21	1.04	0.93	0.80	
	032	4.77	4.09	3.88	3.55	3.15	2.89	2.70	2.34	2.09	1.80	
	040	10.9	10.6	10.6	10.6	10.6	10.6	10.6	9.3	8.3	7.0	
	050	37.9	30.0	28.4	26.0	23.0	21.1	19.8	17.1	15.3	13.0	
	063	85.1	70.5	66.8	61.3	54.2	49.8	46.5	40.3	36.0	30.7	
	080	164	161	161	158	140	128	120	104	93	79	
	110	359	351	347	318	282	259	242	209	187	159	
	140	950	717	679	622	551	505	472	409	365	309	
180	2100	1450	1370	1260	1110	1020	960	830	740	620		
250	5840	4150	3930	3610	3190	2930	2730	2360	2090	1740		

Product specifications

Roller gear cam drive	Table	Wide angle	Basic
	Standard		
Parallel cam drive	Table	Wide angle	Basic
	Standard		
Option	Linear	Wide angle	Basic
	Circular		

Output torque table

● RGIS flange shaft (4 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						10	15	20	30	40	50	75	100	150
Compact	Roller gear cam drive	48	120	032	1.89	1.49	1.41	1.29	1.12	1.00	0.91	0.78	0.69	0.58
				040	10.2	8.87	8.40	7.70	6.67	5.95	5.45	4.62	4.09	3.37
				050	12.8	11.7	11.7	11.7	11.5	11.2	10.9	9.3	8.3	6.9
				063	25.3	22.8	22.8	22.8	22.2	21.7	21.2	20.3	18.9	15.7
				080	80.0	61.6	58.3	53.5	46.3	41.3	37.8	32.0	28.3	23.1
				110	225	203	203	199	172	154	141	119	105	85
				140	462	414	409	375	324	289	264	222	194	152
				180	1220	844	799	732	632	562	511	423	360	255
250	3910	2260	2140	1960	1690	1490	1350	1090	880	490				
Standard	Roller gear cam drive	48	150	032	2.70	2.21	2.09	1.92	1.69	1.51	1.39	1.18	1.05	0.89
				040	10.2	9.14	8.65	7.94	7.01	6.26	5.74	4.88	4.33	3.62
				050	12.8	12.1	12.1	12.1	12.1	11.8	11.5	9.8	8.8	7.4
				063	63.6	50.5	47.8	43.9	38.8	34.6	31.7	27.0	24.1	20.3
				080	108	85.5	81.0	74.2	65.6	58.6	53.7	45.7	40.6	34.0
				110	225	210	210	206	182	163	149	127	112	93
				140	462	429	424	389	344	307	281	237	209	170
				180	1220	876	829	760	670	597	545	457	396	305
250	3910	2340	2220	2030	1790	1590	1440	1190	1010	690				
Wide angle	Roller gear cam drive	48	180	032	2.70	2.25	2.13	1.96	1.73	1.57	1.44	1.23	1.10	0.93
				040	10.2	9.30	8.80	8.08	7.15	6.48	5.94	5.05	4.50	3.79
				050	12.8	12.3	12.3	12.3	12.3	12.1	11.9	10.2	9.1	7.7
				063	63.6	51.6	48.8	44.8	39.7	36.0	32.9	28.1	25.0	21.2
				080	108	87.3	82.6	75.8	67.1	60.8	55.7	47.5	42.3	35.6
				110	331	280	266	244	216	195	179	152	135	114
				140	760	534	505	463	410	372	340	289	256	212
				180	1490	1130	1070	980	870	790	720	610	530	430
250	3910	2390	2260	2070	1830	1650	1510	1260	1080	810				
Basic	Roller gear cam drive	48	210	032	2.70	2.28	2.16	1.98	1.76	1.61	1.48	1.26	1.13	0.96
				040	10.2	9.40	8.90	8.16	7.23	6.63	6.09	5.19	4.62	3.91
				050	12.8	12.4	12.4	12.4	12.4	12.4	12.2	10.4	9.3	7.9
				063	63.6	52.2	49.5	45.4	40.2	36.8	33.8	28.9	25.7	21.8
				080	152	101	95	88	78	71	65	56	50	42
				110	331	284	269	247	218	200	184	157	139	118
				140	760	541	512	470	416	381	350	297	264	221
				180	1490	1150	1080	990	880	810	740	630	550	460
250	4150	2930	2770	2540	2250	2060	1880	1590	1390	1100				
Option	Parallel cam drive	48	240	032	2.70	2.30	2.18	2.00	1.77	1.63	1.51	1.29	1.15	0.98
				040	10.2	9.47	8.96	8.22	7.28	6.67	6.21	5.29	4.72	4.00
				050	12.8	12.5	12.5	12.5	12.5	12.5	12.4	10.6	9.5	8.1
				063	63.6	52.7	49.9	45.7	40.5	37.1	34.5	29.5	26.3	22.3
				080	152	102	96	88	78	72	67	57	51	43
				110	331	286	271	249	220	202	188	160	143	121
				140	760	545	516	474	419	384	357	304	271	227
				180	1490	1160	1090	1000	890	810	760	640	570	470
250	4150	2950	2800	2560	2270	2080	1930	1630	1430	1160				

Discontinue

Index series

● RGIS flange shaft (4 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	15	20	30	40	50	75	100	150
48	270	032	2.70	2.32	2.20	2.01	1.78	1.64	1.53	1.31	1.17	1.00
		040	10.2	9.51	9.01	8.26	7.31	6.71	6.27	5.38	4.80	4.07
		050	12.8	12.6	12.6	12.6	12.6	12.6	12.6	10.8	9.7	8.2
		063	63.6	53.0	50.2	46.0	40.7	37.4	34.9	30.0	26.8	22.8
		080	152	102	97	89	79	72	67	58	52	44
		110	331	288	273	250	221	203	190	163	145	123
		140	760	549	520	477	422	387	362	310	276	233
		180	1490	1160	1100	1010	890	820	770	650	580	490
		250	4150	2970	2810	2580	2280	2090	1950	1660	1470	1200
	300	032	2.70	2.33	2.21	2.02	1.79	1.64	1.54	1.33	1.19	1.01
		040	10.2	9.55	9.04	8.29	7.34	6.73	6.29	5.45	4.86	4.13
		050	12.8	12.6	12.6	12.6	12.6	12.6	12.6	11.0	9.8	8.3
		063	63.6	53.2	50.4	46.2	40.9	37.5	35.1	30.4	27.1	23.1
		080	152	103	97	89	79	72	68	59	52	45
		110	331	289	274	251	222	204	191	165	147	125
		140	760	551	522	479	424	389	363	314	280	237
		180	1490	1170	1110	1010	900	820	770	660	590	500
		250	4150	2980	2820	2590	2290	2100	1960	1690	1490	1230
	330	032	2.70	2.34	2.21	2.03	1.80	1.65	1.54	1.35	1.20	1.03
		040	10.2	9.57	9.06	8.31	7.36	6.75	6.31	5.51	4.92	4.18
		050	12.8	12.6	12.6	12.6	12.6	12.6	12.6	11.1	9.9	8.4
		063	63.6	53.4	50.5	46.4	41.0	37.6	35.2	30.7	27.5	23.4
		080	152	103	98	90	79	73	68	59	53	45
		110	331	290	275	252	223	205	191	167	149	127
		140	760	553	524	480	425	390	365	318	284	240
		180	1490	1170	1110	1020	900	830	770	670	600	500
		250	4150	2990	2830	2600	2300	2110	1970	1710	1520	1260

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
Wide angle	Basic
	Parallel cam drive
Pitch and Pitch error	Linear
	Circular
Option	

Output torque table

Oscillating series

● RGOS straight shaft

Cam curve/MS

Product specifications		Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						15	30	45	60	75	100	150	200	300	
Roller gear cam drive	Compact	180	300	025	1.09	0.57	0.53	0.45	0.40	0.37	0.33	0.28	0.25	0.20	
				032	1.99	1.04	0.96	0.82	0.73	0.67	0.60	0.51	0.45		
			360	025	1.09	0.63	0.60	0.51	0.46	0.42	0.37	0.32	0.28	0.23	
		032		2.69	1.57	1.48	1.26	1.13	1.03	0.92	0.79	0.70	0.59		
		Standard	240	300	025	1.09	0.63	0.59	0.50	0.45	0.41	0.37	0.31	0.27	0.23
					032	2.69	1.57	1.45	1.24	1.11	1.02	0.91	0.77	0.68	0.57
	360			025	1.09	0.71	0.67	0.57	0.51	0.47	0.42	0.36	0.32	0.26	
			032	2.69	1.76	1.66	1.42	1.27	1.16	1.04	0.88	0.78	0.66		
			025	1.09	0.76	0.72	0.63	0.56	0.51	0.46	0.39	0.35	0.29		
	Table		Wide angle	90	180	032	1.39	0.81	0.74	0.63	0.56	0.52	0.46	0.39	0.34
		240				025	1.09	0.73	0.68	0.58	0.52	0.48	0.43	0.36	0.32
		360			032	1.39	0.93	0.87	0.75	0.67	0.61	0.54	0.46	0.41	0.34
025					1.49	0.83	0.79	0.68	0.61	0.56	0.50	0.42	0.37	0.31	
032					2.70	1.52	1.44	1.24	1.11	1.02	0.91	0.77	0.69	0.57	
040					10.2	6.67	6.31	5.45	4.87	4.46	3.98	3.39	3.02	2.54	
050					12.8	8.90	8.90	8.68	8.45	8.28	8.06	6.88	6.10	5.08	
063					63.6	35.4	33.5	28.9	25.8	23.6	21.1	17.9	15.8	13.0	
080					108	59.7	56.5	48.8	43.6	39.9	35.6	30.1	26.6	21.7	
110					331	193	182	157	140	129	115	97	85	68	
140	760	363	343	296	264	241	214	179	155	117					
180	1490	769	728	627	559	510	451	371	312	211					
250	4150	2000	1890	1620	1440	1310	1150	920	740						
Parallel cam drive	Basic	90	180	025	1.49	0.92	0.87	0.76	0.68	0.62	0.56	0.48	0.42	0.36	
				032	2.70	1.68	1.59	1.40	1.25	1.14	1.02	0.87	0.77	0.65	
			360	040	10.9	7.79	7.79	7.72	7.53	7.38	7.18	6.16	5.49	4.66	
				050	19.9	14.4	14.4	14.3	13.9	13.6	13.3	12.8	11.9	10.1	
				063	63.6	38.9	36.9	32.3	28.9	26.5	23.6	20.1	17.8	14.9	
				080	152	75.0	71.0	62.3	55.7	51.0	45.5	38.7	34.3	28.6	
				110	359	258	255	224	200	183	164	139	123	102	
				140	950	522	494	433	387	354	316	267	234	189	
				180	2100	1060	1000	880	780	720	640	530	460	350	
				250	4150	2200	2080	1820	1620	1480	1310	1070	900	590	
Option	Linear and Phase time	60	120	025	1.09	0.63	0.57	0.48	0.43	0.40	0.35	0.30	0.26	0.21	
				032	2.69	1.57	1.41	1.20	1.07	0.98	0.88	0.74	0.65	0.52	
			180	025	1.09	0.76	0.71	0.61	0.54	0.50	0.44	0.38	0.33	0.28	
				032	2.69	1.89	1.76	1.50	1.34	1.23	1.10	0.93	0.83	0.69	
				040	10.9	6.64	6.53	6.29	6.13	6.01	5.85	5.00	4.44	3.72	
				050	37.9	18.9	17.6	15.0	13.4	12.3	11.0	9.3	8.2	6.8	
				063	85.1	44.2	41.1	35.1	31.3	28.7	25.6	21.6	19.0	15.4	
				080	164	100	99	90	81	74	66	56	49	40	
				110	591	268	250	213	190	174	155	130	113	88	
				140	950	444	413	352	314	286	253	210	178	124	
180	2860	1110	1030	880	780	710	630	510	420	250					
250	5840	2620	2440	2070	1830	1660	1440	1120	830						

Discontinue

Oscillating series

● RGOS straight shaft

Cam curve/MS

Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
60	240	025	2.89	1.78	1.68	1.45	1.30	1.19	1.06	0.90	0.81	0.68
		032	7.41	4.61	4.37	3.76	3.36	3.08	2.75	2.35	2.09	1.77
		040	41.6	24.7	23.4	20.2	18.0	16.5	14.8	12.6	11.2	9.5
		050	67.0	41.1	38.9	33.5	30.0	27.5	24.5	20.9	18.6	15.7
		063	119	59.1	55.9	48.2	43.1	39.5	35.2	29.9	26.6	22.2
		080	262	188	186	160	143	131	117	100	89	74
		110	738	410	388	334	299	274	244	207	183	151
		140	1640	823	779	671	599	548	488	412	362	291
		180	4270	2210	2090	1800	1610	1470	1310	1100	950	740
		250	10400	3580	3390	2910	2590	2370	2090	1710	1420	920
	300	025	3.76	2.56	2.43	2.13	1.91	1.75	1.56	1.33	1.19	1.01
		032	7.41	5.09	4.82	4.24	3.79	3.47	3.10	2.65	2.36	2.00
		040	41.6	27.2	25.8	22.7	20.3	18.6	16.6	14.2	12.6	10.8
		050	67.0	45.2	42.8	37.6	33.6	30.8	27.5	23.5	20.9	17.8
		063	129	102	102	96	86	79	70	60	54	45
		080	262	207	204	180	161	147	132	112	100	84
		110	738	451	427	375	335	307	274	233	207	174
		140	1640	907	859	755	674	618	551	468	414	342
		180	4270	2440	2310	2030	1810	1660	1480	1250	1100	890
		250	10400	3930	3720	3270	2920	2670	2370	1970	1700	1260
	360	025	3.76	2.73	2.59	2.29	2.07	1.89	1.69	1.44	1.29	1.10
		032	7.41	5.42	5.14	4.55	4.10	3.76	3.36	2.87	2.56	2.18
		040	41.6	28.9	27.4	24.3	21.9	20.1	17.9	15.3	13.7	11.6
		050	67.0	47.9	45.4	40.2	36.3	33.2	29.7	25.3	22.6	19.2
		063	129	109	109	103	93	85	76	65	58	49
080		431	268	253	224	202	185	166	141	126	107	
110		903	606	574	508	458	420	375	320	285	240	
140		2230	1190	1130	1000	900	830	740	630	560	470	
180		4270	2590	2460	2170	1960	1790	1600	1360	1200	990	
250		10400	4180	3950	3500	3150	2880	2570	2160	1880	1480	
45	90	032	1.39	0.81	0.72	0.61	0.55	0.50	0.44	0.37	0.31	0.23
		120	1.39	0.93	0.85	0.72	0.65	0.59	0.53	0.44	0.39	0.31
	180	025	2.13	1.31	1.24	1.06	0.94	0.87	0.77	0.66	0.58	0.49
		032	4.77	2.97	2.80	2.39	2.13	1.96	1.75	1.48	1.32	1.10
		040	10.9	7.79	7.77	7.49	7.29	7.15	6.96	5.95	5.30	4.47
		050	50.1	30.9	29.2	24.9	22.2	20.4	18.2	15.5	13.7	11.5
		063	85.1	51.8	48.9	41.7	37.2	34.1	30.4	25.8	22.8	18.8
		080	164	118	117	107	96	88	78	67	59	49
		110	359	258	254	217	194	177	158	133	117	94
		140	950	522	492	420	374	342	304	254	219	165
		180	2100	1060	1000	850	760	690	610	500	420	280
		250	4150	2200	2070	1760	1560	1420	1230	970	740	
	240	025	2.13	1.49	1.41	1.23	1.10	1.01	0.90	0.77	0.68	0.58
		032	4.77	3.35	3.18	2.77	2.48	2.27	2.03	1.73	1.54	1.30
		040	30.6	20.0	18.9	16.5	14.7	13.5	12.1	10.3	9.2	7.8
		050	50.1	34.7	32.9	28.7	25.7	23.5	21.0	17.9	16.0	13.5
		063	85.1	58.3	55.2	48.2	43.1	39.5	35.2	30.0	26.7	22.4
		080	242	174	165	144	128	118	105	89	80	67
		110	591	354	335	292	261	239	213	181	161	133
		140	1160	745	706	616	550	503	449	380	335	272
		180	2100	1190	1130	990	880	800	710	600	520	400
		250	4150	2470	2340	2030	1810	1650	1460	1200	1000	660

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
Wide angle	Basic
	Parallel cam drive
Pitch and Pressure	Linear
	Circular
Option	

Output torque table

Oscillating series

● RGOS straight shaft

Cam curve/MS

Product specifications		Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						15	30	45	60	75	100	150	200	300	
Roller gear cam drive	Compact	45	300	025	2.13	1.60	1.51	1.34	1.20	1.10	0.99	0.84	0.75	0.64	
				032	4.77	3.59	3.40	3.01	2.71	2.48	2.22	1.89	1.69	1.43	
				040	30.6	21.3	20.2	17.9	16.1	14.7	13.2	11.2	10.0	8.6	
				050	50.1	37.1	35.1	31.1	27.9	25.6	22.9	19.5	17.4	14.8	
				063	85.1	62.3	59.0	52.3	47.0	43.0	38.5	32.8	29.2	24.7	
				080	242	186	176	156	140	128	115	98	87	74	
				110	591	378	358	317	285	261	233	198	176	148	
				140	1160	798	755	669	601	550	491	417	370	307	
				180	2860	1580	1490	1320	1190	1090	970	820	720	580	
				250	5840	3680	3490	3080	2770	2530	2250	1890	1640	1260	
	Standard	45	360	025	2.13	1.67	1.58	1.40	1.28	1.17	1.05	0.89	0.80	0.68	
				032	4.77	3.75	3.55	3.14	2.87	2.63	2.35	2.01	1.79	1.52	
				040	30.6	22.2	21.0	18.6	17.0	15.6	14.0	11.9	10.6	9.1	
				050	50.1	38.5	36.5	32.3	29.5	27.1	24.2	20.6	18.4	15.7	
				063	85.1	64.9	61.4	54.4	49.7	45.6	40.7	34.7	31.0	26.3	
				080	242	194	183	162	148	136	121	104	92	78	
				110	738	513	486	430	393	360	322	274	244	207	
				140	1640	1040	980	870	790	730	650	550	490	410	
				180	2860	1650	1560	1380	1260	1150	1030	870	770	640	
				250	5840	3830	3630	3210	2930	2680	2390	2020	1770	1410	
	Table	45	180	032	1.89	1.38	1.31	1.13	1.01	0.93	0.83	0.70	0.62	0.52	
				040	7.19	6.13	5.81	5.03	4.49	4.12	3.68	3.13	2.79	2.35	
				050	12.8	11.1	11.1	10.9	10.6	10.4	10.1	8.6	7.7	6.4	
				063	25.3	21.3	21.2	20.8	20.2	19.8	19.3	18.5	17.1	14.2	
				080	108	77.0	72.9	63.1	56.4	51.6	46.1	39.1	34.6	28.5	
110				225	189	189	176	157	144	128	108	95	77		
140				462	386	381	330	294	269	239	201	175	135		
180				976	603	570	493	439	400	353	288	239	153		
250				2870	1710	1620	1400	1240	1130	990	790	620	300		
Wide angle				45	240	032	1.89	1.49	1.41	1.25	1.12	1.02	0.91	0.78	0.69
	040	10.2	8.87			8.40	7.44	6.67	6.12	5.47	4.66	4.16	3.53		
	050	12.8	11.8			11.7	11.7	11.5	11.3	11.0	9.4	8.4	7.1		
	063	25.3	22.8			22.8	22.8	22.3	21.8	21.2	20.4	19.0	16.0		
	080	108	82.5			78.1	69.2	62.0	56.9	50.8	43.2	38.4	32.2		
	110	225	203			203	192	173	158	141	120	106	88		
	140	462	414			409	362	325	297	265	224	198	161		
	180	976	647			612	542	485	443	394	329	284	213		
	250	2870	1830			1730	1530	1370	1250	1110	910	770	530		
	Basic	45	300			032	1.89	1.54	1.46	1.29	1.18	1.08	0.97	0.83	0.74
040				10.2	9.14	8.66	7.66	7.02	6.43	5.75	4.90	4.38	3.73		
050				12.8	12.1	12.1	12.1	12.1	11.8	11.5	9.9	8.8	7.5		
063				25.3	23.6	23.6	23.6	23.5	23.1	22.5	21.6	20.2	17.1		
080				108	85.5	81.0	71.7	65.6	60.1	53.7	45.8	40.8	34.5		
110				225	210	210	199	182	167	149	127	113	95		
140				462	429	425	376	344	315	281	239	212	176		
180				1220	876	829	734	671	614	547	463	407	328		
250				3910	2340	2220	1960	1790	1640	1460	1220	1060	820		
Parallell cam drive				30	240	032	1.89	1.41	1.31	1.13	1.01	0.93	0.83	0.70	0.62
	040	7.19	6.13			5.81	5.03	4.49	4.12	3.68	3.13	2.79	2.35		
	050	12.8	11.1			11.1	10.9	10.6	10.4	10.1	8.6	7.7	6.4		
	063	25.3	21.3			21.2	20.8	20.2	19.8	19.3	18.5	17.1	14.2		
	080	108	77.0			72.9	63.1	56.4	51.6	46.1	39.1	34.6	28.5		
	110	225	189			189	176	157	144	128	108	95	77		
	140	462	386			381	330	294	269	239	201	175	135		
	180	976	603			570	493	439	400	353	288	239	153		
	250	2870	1710			1620	1400	1240	1130	990	790	620	300		
	Option	Circular Pike and Rase drive	300			032	1.89	1.54	1.46	1.29	1.18	1.08	0.97	0.83	0.74
040				10.2	9.14	8.66	7.66	7.02	6.43	5.75	4.90	4.38	3.73		
050				12.8	12.1	12.1	12.1	12.1	11.8	11.5	9.9	8.8	7.5		
063				25.3	23.6	23.6	23.6	23.5	23.1	22.5	21.6	20.2	17.1		
080				108	85.5	81.0	71.7	65.6	60.1	53.7	45.8	40.8	34.5		
110				225	210	210	199	182	167	149	127	113	95		
140				462	429	425	376	344	315	281	239	212	176		
180				1220	876	829	734	671	614	547	463	407	328		
250				3910	2340	2220	1960	1790	1640	1460	1220	1060	820		

Discontinue

Oscillating series

● RGOS straight shaft

Cam curve/MS

Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
30	360	032	1.89	1.58	1.49	1.32	1.21	1.13	1.01	0.86	0.77	0.65
		040	10.2	9.30	8.81	7.80	7.15	6.65	5.94	5.07	4.53	3.86
		050	12.8	12.3	12.3	12.3	12.3	12.2	11.9	10.2	9.1	7.7
		063	25.3	24.1	24.1	24.1	24.1	23.9	23.3	22.4	21.0	17.8
		080	108	87.3	82.6	73.2	67.1	62.4	55.8	47.5	42.4	36.0
		110	331	280	266	235	216	200	179	153	136	115
		140	760	534	505	447	410	381	341	290	258	216
		180	1220	894	847	749	687	638	569	483	427	351
		250	3910	2390	2260	2000	1830	1700	1520	1280	1120	900

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
Wide angle	Basic
	Parallel cam drive
Pitch and Pitch circle	Linear
	Circular
Option	

Output torque table

Oscillating series

● RGOS flange shaft

Cam curve/MS

Product specifications		Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)											
						Input shaft rotational speed (rpm)											
						15	30	45	60	75	100	150	200	300			
Roller gear cam drive	Compact	180	300	025	1.09	0.57	0.53	0.45	0.40	0.37	0.33	0.28	0.25	0.20			
				032	1.99	1.04	0.96	0.82	0.73	0.67	0.60	0.51	0.45				
			360	025	1.09	0.63	0.60	0.51	0.46	0.42	0.37	0.32	0.28	0.23			
		032		2.69	1.57	1.48	1.26	1.13	1.03	0.92	0.79	0.70	0.59				
		Standard	240	300	025	1.09	0.63	0.59	0.50	0.45	0.41	0.37	0.31	0.27	0.23		
					032	2.69	1.57	1.45	1.24	1.11	1.02	0.91	0.77	0.68	0.57		
	360			025	1.09	0.71	0.67	0.57	0.51	0.47	0.42	0.36	0.32	0.26			
			032	2.69	1.76	1.66	1.42	1.27	1.16	1.04	0.88	0.78	0.66				
			025	1.09	0.76	0.72	0.63	0.56	0.51	0.46	0.39	0.35	0.29				
	Table		Wide angle	90	180	032	1.39	0.81	0.74	0.63	0.56	0.52	0.46	0.39	0.34	0.27	
		240				025	1.09	0.73	0.68	0.58	0.52	0.48	0.43	0.36	0.32	0.27	
		Basic			300	032	1.39	0.93	0.87	0.75	0.67	0.61	0.54	0.46	0.41	0.34	
025							1.49	0.83	0.79	0.68	0.61	0.55	0.49	0.42	0.37	0.30	
032						2.70	1.52	1.44	1.24	1.11	1.02	0.91	0.77	0.68	0.55		
040						10.2	6.66	6.31	5.44	4.85	4.44	3.95	3.31	2.88	2.23		
050						12.8	8.90	8.90	8.67	8.44	8.26	8.02	6.80	5.96	4.77		
063						63.6	35.4	33.5	28.9	25.8	23.6	21.0	17.8	15.6	12.5		
080						108	59.7	56.5	48.7	43.5	39.8	35.4	29.8	25.9	20.3		
110						331	193	182	157	140	128	114	95	82	62		
Parallel cam drive	Option	60	180	140	760	362	343	295	263	240	212	175	147	100			
				180	1490	769	727	625	556	506	443	354	281	142			
			Circular Pike and Rase time	250	120	025	1.49	0.92	0.87	0.76	0.68	0.62	0.56	0.47	0.42	0.34	
						032	2.70	1.68	1.59	1.40	1.25	1.14	1.02	0.87	0.77	0.64	
					Linear	360	040	10.9	7.79	7.79	7.72	7.52	7.36	7.16	6.10	5.40	4.44
								050	19.9	14.4	14.4	14.3	13.9	13.6	13.3	12.7	11.8
							063	63.6	38.9	36.9	32.3	28.9	26.5	23.6	20.0	17.7	14.5
							080	152	75.0	71.0	62.3	55.6	51.0	45.4	38.4	33.9	27.6
							110	359	258	255	224	200	183	163	138	121	98
							140	950	522	494	433	386	353	314	264	229	177
Option	180	120	025	1.09	0.63	0.57	0.48	0.43	0.40	0.35	0.30	0.26	0.21				
			032	2.69	1.57	1.41	1.20	1.07	0.98	0.88	0.74	0.65	0.52				
		180	025	1.09	0.76	0.71	0.61	0.54	0.50	0.44	0.38	0.33	0.28				
				032	2.69	1.89	1.76	1.50	1.34	1.23	1.10	0.93	0.83	0.69			
			040	10.9	6.64	6.52	6.28	6.11	5.97	5.78	4.85	4.18	3.14				
				050	37.9	18.9	17.6	15.0	13.4	12.3	10.9	9.2	8.0	6.2			
			063	85.1	44.2	41.1	35.1	31.3	28.6	25.5	21.4	18.6	14.4				
				080	164	100	99	90	81	74	66	55	48	37			
			110	591	268	249	213	190	173	153	127	108	77				
				140	950	444	412	351	312	284	250	201	163	92			
180	2860	1110	1030	880	780	710	610	480	360	120							
	250	5840	2620	2430	2050	1810	1620	1370	940	520							

Discontinue

Oscillating series

● RGOS flange shaft

Cam curve/MS

Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
				Input shaft rotational speed (rpm)									
				15	30	45	60	75	100	150	200	300	
60	240	025	2.89	1.78	1.68	1.45	1.30	1.19	1.06	0.90	0.80	0.66	
		032	7.41	4.61	4.37	3.76	3.36	3.08	2.75	2.34	2.08	1.75	
		040	41.6	24.7	23.4	20.2	18.0	16.5	14.7	12.5	11.1	9.2	
		050	67.0	41.1	38.9	33.5	30.0	27.4	24.5	20.8	18.5	15.4	
		063	119	59.1	55.9	48.2	43.0	39.4	35.2	29.8	26.3	21.6	
		080	262	188	186	160	143	131	117	99	88	73	
		110	738	410	388	334	299	273	243	206	180	145	
		140	1640	823	778	670	598	547	486	408	354	273	
		180	4270	2210	2090	1800	1600	1470	1300	1080	920	660	
	250	10400	3580	3380	2900	2580	2340	2040	1610	1250			
	300	025	3.76	2.56	2.43	2.13	1.91	1.75	1.56	1.33	1.18	1.00	
		032	7.41	5.09	4.82	4.24	3.79	3.47	3.10	2.64	2.36	1.99	
		040	41.6	27.2	25.8	22.7	20.2	18.5	16.6	14.1	12.5	10.5	
		050	67.0	45.2	42.8	37.6	33.6	30.8	27.5	23.4	20.8	17.6	
		063	129	102	102	96	86	79	70	60	53	45	
		080	262	207	204	180	161	147	131	112	99	83	
		110	738	451	427	375	335	307	274	232	206	170	
		140	1640	907	859	754	674	617	550	465	409	330	
		180	4270	2440	2310	2030	1810	1650	1470	1240	1080	840	
	250	10400	3930	3720	3260	2910	2650	2340	1910	1580	1010		
	360	025	3.76	2.73	2.59	2.29	2.07	1.89	1.69	1.44	1.29	1.09	
		032	7.41	5.42	5.14	4.55	4.10	3.76	3.36	2.86	2.56	2.17	
		040	41.6	28.9	27.4	24.3	21.9	20.1	17.9	15.3	13.6	11.5	
		050	67.0	47.9	45.4	40.2	36.2	33.2	29.7	25.3	22.6	19.1	
		063	129	109	109	103	93	85	76	65	58	49	
080		431	268	253	224	202	185	166	141	126	106		
110		903	606	574	508	458	420	375	319	283	238		
140		2230	1190	1130	1000	900	830	740	630	550	460		
180		4270	2590	2450	2170	1960	1790	1600	1350	1190	960		
250	10400	4180	3950	3490	3140	2870	2550	2110	1800	1300			
45	90	032	1.39	0.81	0.72	0.61	0.55	0.50	0.44	0.37	0.31	0.23	
		120	1.39	0.93	0.85	0.72	0.65	0.59	0.53	0.44	0.39	0.31	
	180	025	2.13	1.31	1.24	1.06	0.94	0.86	0.77	0.65	0.57	0.47	
		032	4.77	2.97	2.80	2.39	2.13	1.95	1.74	1.48	1.31	1.08	
		040	10.9	7.79	7.76	7.48	7.28	7.12	6.91	5.85	5.11	4.03	
		050	50.1	30.9	29.1	24.9	22.2	20.3	18.1	15.4	13.6	11.1	
		063	85.1	51.8	48.8	41.7	37.2	34.1	30.4	25.6	22.5	18.1	
		080	164	118	117	107	96	88	78	66	58	47	
		110	359	258	254	217	193	177	157	131	113	85	
		140	950	522	492	419	373	341	301	248	208	140	
		180	2100	1060	1000	850	750	680	600	480	380	180	
		250	4150	2200	2060	1750	1540	1380	1180	840	510		
		240	025	2.13	1.49	1.41	1.23	1.10	1.01	0.90	0.76	0.68	0.56
			032	4.77	3.35	3.18	2.77	2.48	2.27	2.03	1.72	1.53	1.29
			040	30.6	20.0	18.9	16.5	14.7	13.5	12.1	10.2	9.1	7.6
	050		50.1	34.7	32.9	28.7	25.6	23.5	21.0	17.8	15.8	13.2	
	063		85.1	58.3	55.2	48.2	43.1	39.4	35.2	29.9	26.5	22.0	
	080		242	174	165	144	128	118	105	89	79	66	
	110		591	354	335	292	261	239	213	180	158	128	
	140		1160	745	705	615	549	503	447	376	329	258	
	180		2100	1190	1130	980	880	800	710	590	500	340	
	250		4150	2470	2330	2030	1800	1630	1430	1120	870	360	

Product specifications

Roller gear cam drive	Compact
	Standard
Wide angle	Table
Basic	
Parallel cam drive	
Pitch and Pressure	Linear
	Circular
Option	

Output torque table

Oscillating series

● RGOS flange shaft

Cam curve/MS

Product specifications		Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						15	30	45	60	75	100	150	200	300	
Roller gear cam drive	Compact	45	300	025	2.13	1.60	1.51	1.34	1.20	1.10	0.99	0.84	0.75	0.63	
				032	4.77	3.59	3.40	3.01	2.71	2.48	2.22	1.89	1.68	1.42	
				040	30.6	21.3	20.2	17.9	16.1	14.7	13.2	11.2	10.0	8.4	
				050	50.1	37.1	35.1	31.1	27.9	25.6	22.9	19.5	17.3	14.6	
				063	85.1	62.3	59.0	52.3	47.0	43.0	38.4	32.7	29.1	24.4	
				080	242	186	176	156	140	128	115	98	87	73	
				110	591	378	358	317	285	261	233	197	175	145	
				140	1160	798	755	668	601	550	490	415	366	298	
				180	2860	1580	1490	1320	1190	1090	970	810	710	550	
				250	5840	3680	3480	3080	2760	2520	2230	1840	1550	1070	
	Standard	45	360	025	2.13	1.67	1.58	1.40	1.28	1.17	1.05	0.89	0.80	0.67	
				032	4.77	3.75	3.55	3.14	2.87	2.63	2.35	2.01	1.79	1.52	
				040	30.6	22.2	21.0	18.6	17.0	15.6	13.9	11.9	10.6	9.0	
				050	50.1	38.5	36.5	32.3	29.5	27.1	24.2	20.6	18.4	15.6	
				063	85.1	64.9	61.4	54.4	49.7	45.5	40.7	34.7	30.9	26.1	
				080	242	194	183	162	148	136	121	103	92	78	
				110	738	513	486	430	393	360	322	274	243	205	
				140	1640	1040	980	870	790	730	650	550	490	410	
				180	2860	1650	1560	1380	1260	1150	1030	870	760	610	
				250	5840	3830	3620	3210	2920	2670	2370	1980	1710	1280	
	Table	45	180	032	1.89	1.38	1.31	1.13	1.01	0.93	0.83	0.70	0.62	0.50	
				040	7.19	6.13	5.80	5.02	4.48	4.10	3.65	3.06	2.66	2.06	
				050	12.8	11.1	11.1	10.8	10.6	10.3	10.0	8.5	7.5	6.1	
				063	25.3	21.3	21.2	20.8	20.2	19.8	19.2	18.4	16.9	13.7	
				080	108	77.0	72.9	63.1	56.3	51.6	45.9	38.8	34.0	27.2	
110				225	189	189	176	157	143	127	107	93	72		
140				462	386	381	330	294	268	238	197	167	119		
180				976	603	570	491	436	396	346	273	211	149		
250				2870	1710	1620	1390	1230	1110	950	700	470	310		
Wide angle				45	30	032	1.89	1.49	1.41	1.25	1.12	1.02	0.91	0.78	0.69
	040	10.2	8.87			8.40	7.43	6.67	6.11	5.45	4.62	4.09	3.37		
	050	12.8	11.8			11.7	11.7	11.5	11.3	10.9	9.3	8.3	6.9		
	063	25.3	22.8			22.8	22.8	22.2	21.8	21.2	20.3	18.9	15.7		
	080	108	82.5			78.1	69.1	62.0	56.8	50.7	43.0	38.1	31.5		
	110	225	203			203	192	172	158	141	119	105	85		
	140	462	414			409	362	324	297	264	222	194	152		
	180	976	647			612	541	484	441	390	320	268	177		
	250	2870	1830			1730	1530	1360	1240	1080	860	680	330		
	Basic	45	30			032	1.89	1.54	1.46	1.29	1.18	1.08	0.97	0.82	0.73
040				10.2	9.14	8.65	7.66	7.01	6.43	5.74	4.88	4.33	3.62		
050				12.8	12.1	12.1	12.1	12.1	11.8	11.5	9.8	8.8	7.4		
063				25.3	23.6	23.6	23.6	23.5	23.1	22.4	21.6	20.1	16.9		
080				108	85.5	81.0	71.7	65.6	60.1	53.7	45.7	40.6	34.0		
110				225	210	210	199	182	167	149	127	112	93		
140				462	429	424	376	344	315	281	237	209	170		
180				1220	876	829	733	670	613	545	457	396	305		
250				3910	2340	2220	1960	1790	1630	1440	1190	1010	690		
Parallell cam drive				30	240	032	1.89	1.49	1.41	1.25	1.12	1.02	0.91	0.78	0.69
	040	10.2	8.87			8.40	7.43	6.67	6.11	5.45	4.62	4.09	3.37		
	050	12.8	11.8			11.7	11.7	11.5	11.3	10.9	9.3	8.3	6.9		
	063	25.3	22.8			22.8	22.8	22.2	21.8	21.2	20.3	18.9	15.7		
	080	108	82.5			78.1	69.1	62.0	56.8	50.7	43.0	38.1	31.5		
	110	225	203			203	192	172	158	141	119	105	85		
	140	462	414			409	362	324	297	264	222	194	152		
	180	976	647			612	541	484	441	390	320	268	177		
	250	2870	1830			1730	1530	1360	1240	1080	860	680	330		
	Option	30	300			032	1.89	1.54	1.46	1.29	1.18	1.08	0.97	0.82	0.73
040				10.2	9.14	8.65	7.66	7.01	6.43	5.74	4.88	4.33	3.62		
050				12.8	12.1	12.1	12.1	12.1	11.8	11.5	9.8	8.8	7.4		
063				25.3	23.6	23.6	23.6	23.5	23.1	22.4	21.6	20.1	16.9		
080				108	85.5	81.0	71.7	65.6	60.1	53.7	45.7	40.6	34.0		
110				225	210	210	199	182	167	149	127	112	93		
140				462	429	424	376	344	315	281	237	209	170		
180				1220	876	829	733	670	613	545	457	396	305		
250				3910	2340	2220	1960	1790	1630	1440	1190	1010	690		

Discontinue

Oscillating series

● RGOS flange shaft

Cam curve/MS

Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
30	360	032	1.89	1.58	1.49	1.32	1.21	1.13	1.01	0.86	0.76	0.65
		040	10.2	9.30	8.80	7.80	7.15	6.65	5.94	5.05	4.50	3.79
		050	12.8	12.3	12.3	12.3	12.3	12.2	11.9	10.2	9.1	7.7
		063	25.3	24.1	24.1	24.1	24.1	23.9	23.3	22.4	20.9	17.7
		080	108	87.3	82.6	73.2	67.1	62.4	55.7	47.5	42.3	35.6
		110	331	280	266	235	216	200	179	152	135	114
		140	760	534	505	447	410	381	340	289	256	212
		180	1220	894	846	749	686	637	568	479	420	335
		250	3910	2390	2260	2000	1830	1700	1510	1260	1080	810

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
Wide angle	Basic
	Parallel cam drive
Pitch and Pitch circle	Linear
	Circular
Option	

Output torque table

Reducer series

● RGCS straight shaft

Cam curve/CV

Product specifications		Reduction ratio	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)							
						Input shaft rotational speed (rpm)							
						30	60	90	120	150	200	300	400
Compact	3	360	040	41.6	32.4	30.6	27.1	24.9	23.3	21.4	18.9	17.3	15.4
			050	50.1	40.2	38.0	33.7	30.9	28.9	26.5	23.5	21.5	19.1
			063	129	121	121	115	106	99	91	80	74	65
			080	262	246	243	215	197	185	169	150	138	122
			110	738	535	507	449	412	385	353	313	287	254
			140	1640	1080	1020	910	830	780	710	630	580	510
			180	3030	2080	1970	1740	1600	1500	1370	1220	1110	990
250	10400	4650	4410	3900	3580	3350	3070	2720	2490	2210			
Standard	4	360	040	30.6	23.8	22.6	20.0	18.3	17.1	15.7	13.9	12.8	11.3
			050	50.1	41.2	39.0	34.6	31.7	29.6	27.2	24.1	22.1	19.6
			063	85.1	69.5	65.8	58.3	53.5	50.0	45.9	40.6	37.3	33.0
			080	164	158	158	150	138	129	118	105	96	85
			110	591	421	399	353	324	303	278	246	226	200
			140	1160	893	845	749	687	642	589	522	478	424
			180	2860	1770	1670	1480	1360	1270	1160	1030	950	840
250	5840	4100	3880	3430	3150	2950	2700	2390	2200	1940			
Table	5	360	040	10.9	10.6	10.6	10.6	10.6	10.6	10.6	9.4	8.7	7.7
			050	37.9	29.9	28.3	25.1	23.0	21.5	19.7	17.5	16.0	14.2
			063	63.6	52.9	50.1	44.4	40.7	38.1	34.9	30.9	28.4	25.1
			080	152	102	97	86	79	74	67	60	55	49
			110	359	350	346	307	281	263	241	214	196	174
			140	760	548	519	460	422	394	362	320	294	260
			180	1490	1160	1100	970	890	840	770	680	620	550
250	4150	2970	2810	2490	2280	2130	1960	1730	1590	1410			
Wide angle	6	360	040	41.6	33.9	32.1	28.4	26.1	24.4	22.4	19.8	18.2	16.1
			050	67.0	55.9	52.9	46.9	43.0	40.2	36.9	32.7	30.0	26.5
			063	129	127	127	121	111	103	95	84	77	68
			080	431	314	297	263	241	226	207	183	168	149
			110	1270	883	836	741	679	635	583	516	473	419
			140	2230	1400	1330	1180	1080	1010	930	820	750	670
			180	4270	3050	2890	2560	2340	2190	2010	1780	1630	1450
250	10400	4870	4610	4080	3750	3500	3210	2850	2610	2310			
Basic	8	360	040	30.6	24.5	23.2	20.5	18.8	17.6	16.2	14.3	13.1	11.6
			050	50.1	42.3	40.1	35.5	32.5	30.4	27.9	24.7	22.7	20.1
			063	85.1	71.4	67.6	59.9	54.9	51.4	47.1	41.7	38.3	33.9
			080	262	260	257	227	208	195	179	158	145	129
			110	738	564	534	473	434	406	372	330	302	268
			140	1640	1140	1080	960	880	820	760	670	610	540
			180	2860	1820	1720	1520	1400	1310	1200	1060	970	860
250	5840	4210	3980	3530	3230	3020	2770	2460	2250	2000			
Parallel cam drive	9	360	040	30.6	24.5	23.2	20.6	18.9	17.6	16.2	14.3	13.1	11.6
			050	51.5	42.4	40.1	35.5	32.6	30.5	28.0	24.8	22.7	20.1
			063	85.1	71.6	67.8	60.0	55.0	51.5	47.2	41.8	38.3	34.0
			080	164	163	163	155	142	133	122	108	99	88
			110	591	433	410	363	333	312	286	253	232	206
			140	1160	920	871	771	708	662	607	538	493	437
			180	2860	1820	1720	1530	1400	1310	1200	1060	970	860
250	5840	4210	3990	3530	3240	3030	2780	2460	2260	2000			
Option	9	360	040	30.6	24.5	23.2	20.6	18.9	17.6	16.2	14.3	13.1	11.6
			050	51.5	42.4	40.1	35.5	32.6	30.5	28.0	24.8	22.7	20.1
			063	85.1	71.6	67.8	60.0	55.0	51.5	47.2	41.8	38.3	34.0
			080	164	163	163	155	142	133	122	108	99	88
			110	591	433	410	363	333	312	286	253	232	206
			140	1160	920	871	771	708	662	607	538	493	437
			180	2860	1820	1720	1530	1400	1310	1200	1060	970	860
250	5840	4210	3990	3530	3240	3030	2780	2460	2260	2000			

Discontinue

Reducer series

● RGCS straight shaft

Cam curve/CV

Reduction ratio	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
10	360	040	10.9	10.8	10.8	10.8	10.8	10.8	10.8	9.6	8.8	7.8
		050	37.9	30.4	28.8	25.5	23.4	21.9	20.1	17.8	16.3	14.4
		063	85.1	71.7	67.8	60.1	55.1	51.5	47.3	41.9	38.4	34.0
		080	164	163	163	155	142	133	122	108	99	88
		110	359	357	353	312	286	268	246	218	200	177
		140	950	729	690	611	560	524	481	426	390	346
		180	2100	1470	1400	1240	1130	1060	970	860	790	700
		250	5840	4220	3990	3540	3240	3030	2780	2460	2260	2000
12	360	040	10.2	9.66	9.14	8.10	7.43	6.95	6.37	5.64	5.18	4.58
		050	12.8	12.7	12.7	12.7	12.7	12.7	12.7	11.3	10.4	9.2
		063	63.6	54.0	51.1	45.2	41.5	38.8	35.6	31.5	28.9	25.6
		080	152	104	99	87	80	75	69	61	56	49
		110	331	293	278	246	226	211	194	171	157	139
		140	760	559	530	469	430	402	369	327	300	265
		180	1490	1190	1120	990	910	850	780	690	640	560
		250	4150	3020	2860	2540	2330	2180	2000	1770	1620	1440

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
Parallel cam drive	Wide angle
	Basic
Pitch and Pitch error	Linear
	Circular
Option	

Output torque table

● RGCS flange shaft

Cam curve/CV

Product specifications		Reduction ratio	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)							
						Input shaft rotational speed (rpm)							
						30	60	90	120	150	200	300	400
Compact	3	360	040	41.6	32.4	30.6	27.1	24.9	23.3	21.4	18.9	17.3	15.4
			050	50.1	40.2	38.0	33.7	30.9	28.9	26.5	23.5	21.5	19.1
			063	129	121	121	115	106	99	91	80	74	65
			080	262	246	243	215	197	185	169	150	138	122
			110	738	535	507	449	412	385	353	313	287	254
			140	1640	1080	1020	910	830	780	710	630	580	510
			180	3030	2080	1970	1740	1600	1500	1370	1220	1110	990
250	10400	4650	4410	3900	3580	3350	3070	2720	2490	2210			
Standard	4	360	040	30.6	23.8	22.6	20.0	18.3	17.1	15.7	13.9	12.8	11.3
			050	50.1	41.2	39.0	34.6	31.7	29.6	27.2	24.1	22.1	19.6
			063	85.1	69.5	65.8	58.3	53.5	50.0	45.9	40.6	37.3	33.0
			080	164	158	158	150	138	129	118	105	96	85
			110	591	421	399	353	324	303	278	246	226	200
			140	1160	893	845	749	687	642	589	522	478	424
			180	2860	1770	1670	1480	1360	1270	1160	1030	950	840
250	5840	4100	3880	3430	3150	2950	2700	2390	2200	1940			
Table	5	360	040	10.9	10.6	10.6	10.6	10.6	10.6	10.6	9.4	8.7	7.7
			050	37.9	29.9	28.3	25.1	23.0	21.5	19.7	17.5	16.0	14.2
			063	63.6	52.9	50.1	44.4	40.7	38.1	34.9	30.9	28.4	25.1
			080	152	102	97	86	79	74	67	60	55	49
			110	359	350	346	307	281	263	241	214	196	174
			140	760	548	519	460	422	394	362	320	294	260
			180	1490	1160	1100	970	890	840	770	680	620	550
250	4150	2970	2810	2490	2280	2130	1960	1730	1590	1410			
Wide angle	6	360	040	41.6	33.9	32.1	28.4	26.1	24.4	22.4	19.8	18.2	16.1
			050	67.0	55.9	52.9	46.9	43.0	40.2	36.9	32.7	30.0	26.5
			063	129	127	127	121	111	103	95	84	77	68
			080	431	314	297	263	241	226	207	183	168	149
			110	1270	883	836	741	679	635	583	516	473	419
			140	2230	1400	1330	1180	1080	1010	930	820	750	670
			180	4270	3050	2890	2560	2340	2190	2010	1780	1630	1450
250	10400	4870	4610	4080	3750	3500	3210	2850	2610	2310			
Basic	8	360	040	30.6	24.5	23.2	20.5	18.8	17.6	16.2	14.3	13.1	11.6
			050	50.1	42.3	40.1	35.5	32.5	30.4	27.9	24.7	22.7	20.1
			063	85.1	71.4	67.6	59.9	54.9	51.4	47.1	41.7	38.3	33.9
			080	262	260	257	227	208	195	179	158	145	129
			110	738	564	534	473	434	406	372	330	302	268
			140	1640	1140	1080	960	880	820	760	670	610	540
			180	2860	1820	1720	1520	1400	1310	1200	1060	970	860
250	5840	4210	3980	3530	3230	3020	2770	2460	2250	2000			
Parallel cam drive	9	360	040	30.6	24.5	23.2	20.6	18.9	17.6	16.2	14.3	13.1	11.6
			050	51.5	42.4	40.1	35.5	32.6	30.5	28.0	24.8	22.7	20.1
			063	85.1	71.6	67.8	60.0	55.0	51.5	47.2	41.8	38.3	34.0
			080	164	163	163	155	142	133	122	108	99	88
			110	591	433	410	363	333	312	286	253	232	206
			140	1160	920	871	771	708	662	607	538	493	437
			180	2860	1820	1720	1530	1400	1310	1200	1060	970	860
250	5840	4210	3990	3530	3240	3030	2780	2460	2260	2000			
Option	9	360	040	30.6	24.5	23.2	20.6	18.9	17.6	16.2	14.3	13.1	11.6
			050	51.5	42.4	40.1	35.5	32.6	30.5	28.0	24.8	22.7	20.1
			063	85.1	71.6	67.8	60.0	55.0	51.5	47.2	41.8	38.3	34.0
			080	164	163	163	155	142	133	122	108	99	88
			110	591	433	410	363	333	312	286	253	232	206
			140	1160	920	871	771	708	662	607	538	493	437
			180	2860	1820	1720	1530	1400	1310	1200	1060	970	860
250	5840	4210	3990	3530	3240	3030	2780	2460	2260	2000			

Discontinue

Reducer series

● RGCS flange shaft

Cam curve/CV

Reduction ratio	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
10	360	040	10.9	10.8	10.8	10.8	10.8	10.8	10.8	9.6	8.8	7.8
		050	37.9	30.4	28.8	25.5	23.4	21.9	20.1	17.8	16.3	14.4
		063	85.1	71.7	67.8	60.1	55.1	51.5	47.3	41.9	38.4	34.0
		080	164	163	163	155	142	133	122	108	99	88
		110	359	357	353	312	286	268	246	218	200	177
		140	950	729	690	611	560	524	481	426	390	346
		180	2100	1470	1400	1240	1130	1060	970	860	790	700
		250	5840	4220	3990	3540	3240	3030	2780	2460	2260	2000
12	360	040	10.2	9.66	9.14	8.10	7.43	6.95	6.37	5.64	5.18	4.58
		050	12.8	12.7	12.7	12.7	12.7	12.7	12.7	11.3	10.4	9.2
		063	63.6	54.0	51.1	45.2	41.5	38.8	35.6	31.5	28.9	25.6
		080	152	104	99	87	80	75	69	61	56	49
		110	331	293	278	246	226	211	194	171	157	139
		140	760	559	530	469	430	402	369	327	300	265
		180	1490	1190	1120	990	910	850	780	690	640	560
		250	4150	3020	2860	2540	2330	2180	2000	1770	1620	1440

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
Parallel cam drive	Wide angle
	Basic
Pitch and Pitch error	Linear
	Circular
Option	

Output torque table

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)							
						Input shaft rotational speed (rpm)							
						30	60	90	120	150	200	300	400
Roller gear cam drive	2	270	040	10.9	5.41	4.71	4.34	4.10	3.91	3.69	3.00		
			050	19.9	10.0	8.7	8.1	7.6	7.2	6.8			
			063	85.1	36.0	29.7	24.2	20.9	18.7				
			080	164	81.8	71.2	62.3	53.8	48.0				
		300	040	30.6	13.4	11.0	9.0	7.8	7.0	6.0	4.9		
			050	50.1	23.4	19.3	15.7	13.6	12.2	10.5			
			063	85.1	39.2	32.3	26.3	22.8	20.3	17.5			
			080	242	117	96	78	68	61				
		330	040	30.6	14.4	11.9	9.7	8.4	7.5	6.5	5.3		
	050		50.1	25.1	20.7	16.9	14.6	13.1	11.3	9.2			
	063		119	48.0	39.5	32.3	27.9	24.9	21.5				
	080		242	125	103	84	73	65					
3	180	040	10.9	5.20	4.52	4.17	3.93	3.75	3.53	2.86			
		050	19.9	9.65	8.39	7.72	7.28	6.94	6.50				
		063	85.1	34.6	28.5	23.2	20.0	17.8					
		080	164	78.6	68.3	59.7	51.6	46.0					
	210	040	10.9	5.87	5.11	4.71	4.44	4.24	4.00	3.25			
		050	50.1	23.3	19.2	15.7	13.6	12.1	10.4				
		063	85.1	39.0	32.2	26.2	22.7	20.2	17.4				
		080	242	116	96	78	68	60					
	240	040	30.6	14.7	12.1	9.9	8.6	7.6	6.6	5.4	4.6		
		050	50.1	25.6	21.1	17.2	14.9	13.3	11.5	9.3			
		063	85.1	42.9	35.4	28.9	25.0	22.3	19.2				
		080	242	128	105	86	74	66	57				
	270	040	41.6	22.1	18.3	14.9	12.9	11.5	10.0	8.1	7.0		
		050	50.1	27.7	22.8	18.6	16.1	14.4	12.4	10.1			
		063	85.1	46.4	38.2	31.2	27.0	24.1	20.8				
		080	242	138	114	93	80	72	62				
	300	040	41.6	23.6	19.5	15.9	13.8	12.3	10.6	8.7	7.5		
		050	67.0	39.2	32.3	26.3	22.8	20.4	17.6	14.3			
		063	119	56.4	46.5	37.9	32.8	29.3	25.3				
		080	262	179	154	126	109	97	84				
	330	040	41.6	24.9	20.5	16.7	14.5	13.0	11.2	9.1	7.9		
		050	67.0	41.3	34.0	27.8	24.0	21.5	18.6	15.1			
		063	129	93.3	81.2	71.1	61.5	55.0	47.6				
		080	262	189	163	133	115	103	89				
4	150	040	10.2	5.18	4.26	3.48	3.01	2.68	2.31	1.85			
		050	12.8	6.92	6.01	5.53	5.21	4.96	4.64				
		063	63.6	27.5	22.6	18.4	15.9	14.1	12.1				
		080	108	46.4	38.2	31.1	26.8	23.8					
	180	040	10.9	6.28	5.47	5.04	4.75	4.54	4.28	3.48	2.97		
		050	19.9	11.6	10.1	9.3	8.8	8.4	7.9	7.2			
		063	63.6	31.4	25.8	21.1	18.2	16.2	13.9				
		080	152	60.4	49.8	40.6	35.0	31.2	26.8				
	210	040	17.9	11.5	10.1	9.3	8.7	8.2	7.1	5.8	5.0		
		050	19.9	12.8	11.2	10.3	9.7	9.3	8.7	8.0			
		063	63.6	34.7	28.5	23.3	20.1	18.0	15.5				
		080	164	105	91	80	69	62	53				
	240	040	17.9	12.4	10.8	10.4	9.5	8.9	7.7	6.3	5.4		
		050	19.9	13.8	12.0	11.1	10.5	10.0	9.4	8.6			
		063	63.6	37.4	30.8	25.2	21.8	19.4	16.8				
		080	164	113	99	86	75	67	58				
	270	040	17.9	13.2	11.5	10.6	10.0	9.4	8.2	6.7	5.7		
		050	19.9	14.7	12.8	11.8	11.1	10.6	10.0	9.2			

Discontinue

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
4	270	063	63.6	39.8	32.8	26.8	23.2	20.7	17.9			
		080	164	120	105	92	79	71	61			
	300	040	30.6	19.0	15.7	12.8	11.1	9.9	8.6	7.0	6.0	
		050	50.1	33.1	27.3	22.3	19.3	17.2	14.9	12.1		
		063	85.1	55.6	45.8	37.4	32.4	28.9	25.0			
		080	164	127	110	96	84	75	65			
	330	040	30.6	19.9	16.4	13.4	11.6	10.3	9.0	7.3	6.3	
		050	50.1	34.5	28.4	23.2	20.1	17.9	15.5	12.6		
		063	85.1	58.0	47.8	39.0	33.8	30.2	26.1			
		080	164	132	115	101	87	78	67			
	5	120	040	7.19	3.74	3.08	2.51	2.17	1.93	1.66	1.31	
			050	13.1	6.32	5.20	4.23	3.64	3.23	2.74	2.08	
063			16.4	8.51	7.38	6.76	6.32	5.97	5.46			
080			80.0	34.2	28.1	22.8	19.6	17.3				
150		040	7.19	4.33	3.57	2.91	2.52	2.25	1.93	1.55	1.30	
		050	12.8	7.84	6.82	6.28	5.91	5.64	5.29	4.23		
		063	25.3	14.7	12.8	11.8	11.1	10.5	9.8			
		080	108	53.3	43.9	35.7	30.8	27.4	23.5			
180		040	10.2	6.53	5.38	4.39	3.80	3.40	2.93	2.37	2.02	
		050	12.8	8.68	7.55	6.96	6.56	6.26	5.89	4.76		
		063	25.3	16.5	14.3	13.2	12.4	11.8	11.1			
		080	108	59.7	49.1	40.1	34.6	30.9	26.5			
210		040	14.8	7.05	5.81	4.74	4.11	3.67	3.17	2.57	2.21	
		050	12.8	9.3	8.1	7.5	7.0	6.7	6.3	5.1		
		063	63.6	38.4	31.6	25.8	22.3	19.9	17.2			
		080	152	74.0	61.0	49.7	43.0	38.4	33.1			
240		040	10.9	8.19	7.13	6.58	6.21	5.93	5.60	4.58	3.94	
		050	37.9	23.2	19.1	15.6	13.5	12.1	10.4	8.5		
		063	63.6	40.9	33.7	27.5	23.8	21.3	18.4			
		080	152	78.9	65.0	53.0	45.9	41.0	35.4			
270		040	10.9	8.62	7.51	6.92	6.53	6.25	5.89	4.82	4.16	
		050	37.9	24.4	20.1	16.4	14.2	12.7	11.0	8.9		
		063	63.6	43.0	35.5	28.9	25.0	22.4	19.3			
		080	152	83.0	68.4	55.8	48.3	43.2	37.3			
300	040	10.9	8.99	7.83	7.22	6.81	6.51	6.14	5.03	4.35		
	050	37.9	25.4	20.9	17.1	14.8	13.2	11.4	9.3			
	063	63.6	44.8	37.0	30.2	26.1	23.3	20.2				
	080	152	86.5	71.3	58.2	50.4	45.0	38.9				
330	040	10.9	9.31	8.10	7.47	7.05	6.74	6.36	5.21	4.50		
	050	37.9	26.3	21.7	17.7	15.3	13.7	11.8	9.6			
	063	63.6	46.4	38.3	31.2	27.0	24.2	20.9				
	080	152	89.6	73.8	60.3	52.2	46.6	40.3				
6	90	040	10.9	4.85	4.22	3.88	3.66	3.49	3.27	2.60		
		050	19.9	9.00	7.82	7.19	6.75	6.42	5.97			
		063	85.1	32.2	26.5	21.6	18.6	16.5				
		080	164	73.3	63.7	55.6	47.9	42.5				
	120	040	41.6	19.1	15.8	12.9	11.1	10.0	8.6	7.0	6.0	
		050	67.0	31.8	26.2	21.4	18.5	16.5	14.2	11.4		
		063	119	45.7	37.7	30.7	26.5	23.6	20.3			
		080	262	145	125	102	88	79	68			
	150	040	41.6	22.0	18.1	14.8	12.8	11.5	9.9	8.1	6.9	
		050	67.0	36.5	30.1	24.6	21.3	19.0	16.4	13.3		
		063	129	82.6	71.9	62.9	54.4	48.6	42.0			
		080	262	167	144	117	102	91	78			

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Peak and Phase drive

Linear

Circular

Option

Output torque table

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)						
						Input shaft rotational speed (rpm)						
						30	60	90	120	150	200	300
Roller gear cam drive	6	180	040	41.6	24.3	20.0	16.3	14.1	12.6	10.9	8.9	7.7
			050	67.0	40.2	33.1	27.1	23.4	20.9	18.1	14.7	
			063	129	91.0	79.2	69.3	60.0	53.6	46.4		
			080	431	224	185	151	131	117	101		
		210	040	41.6	26.1	21.5	17.6	15.2	13.6	11.8	9.6	8.3
			050	67.0	43.2	35.6	29.0	25.1	22.5	19.4	15.8	
			063	129	97.8	85.1	74.5	64.5	57.6	49.8		
			080	431	241	199	162	140	126	109		
		240	040	41.6	27.6	22.7	18.5	16.1	14.4	12.4	10.1	8.8
			050	67.0	45.6	37.6	30.7	26.5	23.7	20.5	16.7	
			063	129	103	90	79	68	61	53		
			080	431	255	210	171	148	133	115		
	270	040	41.6	28.8	23.7	19.4	16.8	15.0	13.0	10.6	9.2	
		050	67.0	47.6	39.2	32.0	27.7	24.8	21.5	17.5		
		063	129	108	94	82	71	64	55			
		080	431	266	219	179	155	139	120			
	300	040	41.6	29.9	24.6	20.1	17.4	15.6	13.5	11.0	9.5	
		050	67.0	49.3	40.6	33.2	28.7	25.7	22.2	18.1		
		063	129	112	97	85	74	66	57			
		080	431	276	228	186	161	144	124			
	330	040	41.6	30.8	25.4	20.7	17.9	16.1	13.9	11.3	9.8	
		050	67.0	50.8	41.9	34.2	29.6	26.5	22.9	18.7		
		063	129	115	100	88	76	68	59			
		080	431	285	235	192	166	148	128			
Parallel cam drive	8	90	040	10.9	5.86	5.10	4.70	4.43	4.22	3.97	3.20	2.68
			050	50.1	23.2	19.1	15.6	13.5	12.0	10.3	8.2	
			063	85.1	38.9	32.1	26.1	22.5	20.0	17.1		
			080	164	88.5	77.0	67.3	58.0	51.6	44.1		
		120	040	30.6	15.9	13.1	10.7	9.3	8.3	7.2	5.8	5.0
			050	50.1	27.7	22.8	18.6	16.1	14.4	12.4	10.0	
			063	85.1	46.4	38.3	31.2	27.0	24.1	20.7		
			080	242	138	114	93	80	72	62		
		150	040	30.6	17.8	14.6	12.0	10.4	9.3	8.0	6.5	5.6
			050	50.1	30.9	25.4	20.8	18.0	16.1	13.9	11.2	
			063	85.1	51.9	42.8	34.9	30.2	27.0	23.3		
			080	242	155	127	104	90	80	69		
	180	040	30.6	19.2	15.8	12.9	11.2	10.0	8.7	7.0	6.1	
		050	50.1	33.3	27.4	22.4	19.4	17.3	15.0	12.2		
		063	85.1	56.0	46.2	37.7	32.6	29.1	25.2			
		080	242	167	138	112	97	87	75			
	210	040	30.6	20.3	16.7	13.7	11.8	10.6	9.2	7.5	6.5	
		050	50.1	35.2	29.0	23.7	20.5	18.3	15.9	12.9		
		063	85.1	59.3	48.9	39.9	34.5	30.9	26.7			
		080	242	177	146	119	103	92	80			
	240	040	30.6	21.2	17.5	14.3	12.4	11.1	9.6	7.8	6.8	
		050	50.1	36.8	30.3	24.7	21.4	19.2	16.6	13.5		
		063	85.1	62.0	51.1	41.7	36.1	32.3	27.9			
		080	242	185	152	124	108	96	83			
270	040	30.6	22.0	18.1	14.8	12.8	11.5	9.9	8.1	7.0		
	050	50.1	38.1	31.4	25.6	22.2	19.9	17.2	14.0			
	063	85.1	64.2	52.9	43.2	37.4	33.5	28.9				
	080	262	233	201	164	142	127	110				
300	040	30.6	22.7	18.7	15.3	13.2	11.8	10.2	8.4	7.2		
	050	50.1	39.3	32.4	26.4	22.9	20.5	17.7	14.4			

Discontinue

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
8	300	063	85.1	66.2	54.6	44.5	38.6	34.5	29.8			
		080	262	241	207	169	146	131	113			
	330	040	30.6	23.3	19.2	15.7	13.6	12.1	10.5	8.6	7.4	
		050	50.1	40.3	33.2	27.1	23.5	21.0	18.2	14.8		
		063	85.1	67.9	56.0	45.7	39.6	35.4	30.6			
		080	262	247	212	173	150	134	116			
9	90	040	10.9	6.26	5.44	5.01	4.73	4.51	4.24	3.43	2.89	
		050	37.9	17.8	14.6	11.9	10.3	9.2	7.9	6.2		
		063	63.6	31.2	25.7	20.9	18.1	16.0	13.7			
		080	152	60.2	49.6	40.3	34.8	30.9	26.2			
	120	040	10.9	7.35	6.40	5.90	5.56	5.32	5.01	4.08	3.49	
		050	37.9	20.8	17.1	14.0	12.1	10.8	9.3	7.5		
		063	63.6	36.7	30.2	24.6	21.3	19.0	16.3			
		080	152	70.8	58.3	47.5	41.0	36.6	31.4			
	150	040	10.9	8.13	7.08	6.52	6.16	5.89	5.55	4.53	3.90	
		050	37.9	23.0	18.9	15.5	13.4	12.0	10.3	8.4		
		063	85.1	54.0	44.5	36.3	31.4	28.0	24.2			
		080	164	123	107	94	81	72	62			
	180	040	10.9	8.72	7.59	7.00	6.61	6.31	5.96	4.87	4.20	
		050	51.5	34.4	28.3	23.1	20.0	17.9	15.5	12.6		
		063	85.1	57.9	47.7	38.9	33.7	30.1	26.0			
		080	164	132	115	100	87	78	67			
	210	040	30.6	20.9	17.2	14.1	12.2	10.9	9.4	7.7	6.6	
		050	51.5	36.2	29.8	24.3	21.1	18.8	16.3	13.3		
		063	85.1	60.9	50.2	41.0	35.5	31.7	27.4			
		080	164	139	121	106	92	82	71			
	240	040	30.6	21.8	17.9	14.6	12.7	11.3	9.8	8.0	6.9	
		050	51.5	37.7	31.0	25.3	21.9	19.6	17.0	13.8		
		063	85.1	63.5	52.3	42.7	37.0	33.1	28.6			
		080	164	145	126	110	95	85	74			
270	040	30.6	22.5	18.5	15.1	13.1	11.7	10.2	8.3	7.2		
	050	51.5	38.9	32.1	26.2	22.7	20.3	17.6	14.3			
	063	85.1	65.7	54.1	44.2	38.2	34.2	29.6				
	080	164	150	130	114	99	88	76				
300	040	30.6	23.2	19.1	15.6	13.5	12.1	10.4	8.5	7.4		
	050	51.5	40.0	33.0	26.9	23.3	20.9	18.1	14.7			
	063	85.1	67.5	55.7	45.4	39.4	35.2	30.5				
	080	164	154	134	117	102	91	79				
330	040	30.6	23.7	19.6	16.0	13.8	12.4	10.7	8.7	7.6		
	050	51.5	41.0	33.8	27.6	23.9	21.4	18.5	15.1			
	063	85.1	69.2	57.1	46.6	40.3	36.1	31.2				
	080	164	158	137	120	104	93	81				
10	90	040	10.2	6.09	5.02	4.09	3.54	3.16	2.72	2.18	1.82	
		050	12.8	8.10	7.04	6.48	6.10	5.81	5.44	4.31		
		063	25.3	15.4	13.4	12.3	11.5	10.9	10.2			
		080	108	55.6	45.8	37.3	32.1	28.6	24.3			
	120	040	10.9	7.65	6.65	6.13	5.79	5.53	5.21	4.25	3.64	
		050	37.9	21.6	17.8	14.5	12.6	11.2	9.7	7.8		
		063	63.6	38.2	31.4	25.6	22.2	19.8	17.0			
		080	152	73.6	60.6	49.4	42.7	38.1	32.7			
	150	040	10.9	8.39	7.30	6.73	6.35	6.07	5.73	4.68	4.03	
		050	37.9	23.7	19.5	15.9	13.8	12.3	10.7	8.6		
		063	63.6	41.8	34.5	28.1	24.3	21.7	18.7			
		080	152	80.7	66.5	54.3	46.9	41.9	36.1			

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
	Wide angle
Basic	Parallel cam drive
	Option
Pitch and Pressure	Linear
	Circular

Output torque table

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						30	60	90	120	150	200	300	400	600	
Roller gear cam drive	Standard	10	180	040	10.9	8.95	7.79	7.18	6.78	6.48	6.11	5.00	4.31		
				050	37.9	25.2	20.8	17.0	14.7	13.1	11.4	9.2			
				063	85.1	59.4	48.9	39.9	34.6	30.9	26.7				
				080	152	86.1	71.0	57.9	50.1	44.8	38.7				
		210	040	10.9	9.39	8.18	7.54	7.12	6.80	6.42	5.26	4.54			
			050	37.9	26.5	21.8	17.8	15.4	13.8	11.9	9.7				
			063	85.1	62.3	51.3	41.9	36.3	32.4	28.1					
			080	164	142	124	108	94	84	72					
		240	040	10.9	9.76	8.50	7.84	7.40	7.07	6.67	5.47	4.73			
			050	37.9	27.5	22.7	18.5	16.0	14.3	12.4	10.1				
			063	85.1	64.7	53.4	43.6	37.7	33.7	29.2					
			080	164	148	128	112	97	87	75					
	270	040	10.9	10.1	8.8	8.1	7.6	7.3	6.9	5.6	4.9				
		050	37.9	28.4	23.4	19.1	16.5	14.8	12.8	10.4					
		063	85.1	66.8	55.1	45.0	38.9	34.8	30.1						
		080	164	152	133	116	100	90	78						
	300	040	10.9	10.4	9.0	8.3	7.8	7.5	7.1	5.8	5.0				
		050	37.9	29.2	24.0	19.6	17.0	15.2	13.2	10.7					
		063	85.1	68.7	56.6	46.2	40.0	35.8	31.0						
		080	164	157	136	119	103	92	80						
	330	040	10.9	10.6	9.2	8.5	8.0	7.7	7.3	5.9	5.1				
		050	37.9	29.9	24.6	20.1	17.4	15.6	13.5	11.0					
		063	85.1	70.3	57.9	47.3	41.0	36.6	31.7						
		080	164	160	139	122	106	95	82						
Parallel cam drive	Basic	12	90	040	7.19	4.80	3.95	3.23	2.79	2.49	2.14	1.71	1.43		
				050	12.8	8.69	7.55	6.96	6.55	6.25	5.85	4.67			
				063	25.3	16.6	14.5	13.3	12.5	11.9	11.1				
				080	108	60.3	49.6	40.4	34.9	31.0	26.5				
		120	040	7.19	5.38	4.44	3.62	3.13	2.80	2.42	1.95	1.66			
			050	12.8	9.74	8.48	7.81	7.37	7.03	6.62	5.36				
			063	25.3	18.9	16.4	15.1	14.2	13.6	12.7					
			080	108	68.4	56.4	46.0	39.7	35.4	30.5					
		150	040	10.2	7.93	6.53	5.33	4.62	4.13	3.57	2.90	2.49			
			050	12.8	10.5	9.1	8.4	7.9	7.6	7.1	5.8				
			063	25.3	20.4	17.8	16.4	15.5	14.8	13.9					
			080	108	74.1	61.1	49.8	43.1	38.5	33.2					
	180	040	10.2	8.36	6.89	5.63	4.87	4.36	3.77	3.07	2.64				
		050	12.8	11.1	9.6	8.9	8.4	8.0	7.5	6.2					
		063	25.3	21.6	18.8	17.4	16.4	15.6	14.7						
		080	108	78.5	64.7	52.8	45.7	40.8	35.3						
	210	040	10.2	8.72	7.18	5.87	5.08	4.54	3.93	3.20	2.76				
		050	12.8	11.5	10.0	9.2	8.7	8.3	7.9	6.4					
		063	25.3	22.6	19.7	18.1	17.1	16.4	15.4						
		080	108	82.0	67.6	55.1	47.7	42.7	36.9						
	240	040	10.2	9.02	7.43	6.07	5.25	4.70	4.07	3.32	2.86				
		050	12.8	11.9	10.4	9.6	9.0	8.6	8.1	6.7					
		063	25.3	23.4	20.4	18.8	17.7	16.9	16.0						
		080	108	84.9	70.0	57.1	49.5	44.2	38.2						
270	040	10.9	10.4	9.0	8.3	7.8	7.5	7.0	5.8	5.0					
	050	19.9	19.0	16.6	15.3	14.4	13.8	13.0	10.7						
	063	25.3	24.1	21.0	19.4	18.3	17.5	16.5							
	080	108	87.5	72.1	58.8	50.9	45.5	39.4							
300	040	10.9	10.6	9.2	8.5	8.0	7.7	7.2	5.9	5.1					
	050	19.9	19.5	17.0	15.6	14.8	14.1	13.3	11.0						
Option	Circular Pike and Rase drive	12	210	040	10.2	8.72	7.18	5.87	5.08	4.54	3.93	3.20	2.76		
				050	12.8	11.5	10.0	9.2	8.7	8.3	7.9	6.4			
				063	25.3	22.6	19.7	18.1	17.1	16.4	15.4				
				080	108	82.0	67.6	55.1	47.7	42.7	36.9				
240	040	10.2	9.02	7.43	6.07	5.25	4.70	4.07	3.32	2.86					
	050	12.8	11.9	10.4	9.6	9.0	8.6	8.1	6.7						
	063	25.3	23.4	20.4	18.8	17.7	16.9	16.0							
	080	108	84.9	70.0	57.1	49.5	44.2	38.2							
270	040	10.9	10.4	9.0	8.3	7.8	7.5	7.0	5.8	5.0					
	050	19.9	19.0	16.6	15.3	14.4	13.8	13.0	10.7						
	063	25.3	24.1	21.0	19.4	18.3	17.5	16.5							
	080	108	87.5	72.1	58.8	50.9	45.5	39.4							
300	040	10.9	10.6	9.2	8.5	8.0	7.7	7.2	5.9	5.1					
	050	19.9	19.5	17.0	15.6	14.8	14.1	13.3	11.0						

Discontinue

Index series

● RGIS straight shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
12	300	063	63.6	53.0	43.7	35.7	30.9	27.6	23.9			
		080	152	102	84	69	60	53	46			
	330	040	10.9	10.7	9.4	8.7	8.2	7.8	7.4	6.1	5.2	
		050	19.9	19.6	17.4	16.0	15.1	14.4	13.6	11.3		
		063	63.6	53.4	44.7	36.5	31.6	28.2	24.4			
		080	152	103	86	70	61	55	47			
15	90	080	31.8	22.7	19.7	18.1	17.0	16.2	15.0			
	120	080	80.0	54.0	44.5	36.3	31.4	28.0	24.1			
	150	080	80.0	57.8	47.6	38.9	33.6	30.0	25.9			
	180	080	80.0	60.8	50.1	40.9	35.4	31.6	27.3			
	210	080	80.0	63.2	52.1	42.5	36.8	32.9	28.4			
	240	080	80.0	65.2	53.7	43.9	38.0	34.0	29.4			
	270	080	80.0	67.0	55.2	45.1	39.0	34.9	30.2			
	300	080	80.0	67.4	56.6	46.2	40.0	35.7	30.9			
	330	080	80.0	67.5	57.8	47.2	40.8	36.5	31.6			
16	90	080	31.8	23.1	20.1	18.5	17.4	16.5	15.3			
	120	080	31.8	25.6	22.2	20.5	19.3	18.4	17.2			
	150	080	31.8	27.3	23.8	21.9	20.6	19.7	18.5			
	180	080	80.0	61.4	50.6	41.3	35.7	31.9	27.6			
	210	080	80.0	63.7	52.5	42.9	37.1	33.2	28.7			
	240	080	80.0	65.8	54.2	44.3	38.3	34.2	29.6			
	270	080	80.0	67.3	55.7	45.5	39.4	35.2	30.4			
	300	080	80.0	67.5	57.0	46.5	40.3	36.0	31.2			
	330	080	80.0	67.6	58.2	47.5	41.1	36.8	31.8			

Product specifications

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

Output torque table

Index series

● RGIS straight shaft (2 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						15	30	45	60	75	100	150	200	300	
Roller gear cam drive	Table	16	120	040	16.1	11.1	9.6	8.9	8.4	8.0	7.5	6.2	5.3	4.3	
				050	19.9	13.8	12.0	11.1	10.5	10.0	9.4	8.6	7.7	6.1	
				063	63.6	37.4	30.8	25.2	21.8	19.4	16.8	13.5	11.4		
				080	152	72.2	59.5	48.5	42.0	37.5	32.3	25.9	21.9		
		150	040	30.6	19.0	15.7	12.8	11.1	9.9	8.6	7.0	6.0	4.9		
			050	50.1	33.1	27.3	22.3	19.3	17.2	14.9	12.1	10.4	8.3		
			063	85.1	55.6	45.8	37.4	32.4	28.9	25.0	20.3	17.4			
			080	164	127	110	96	84	75	65	52	45			
		180	040	30.6	20.6	17.0	13.8	12.0	10.7	9.3	7.6	6.5	5.3		
			050	50.1	35.7	29.4	24.0	20.8	18.6	16.1	13.1	11.3	9.1		
			063	119	68.5	56.5	46.1	39.9	35.7	30.9	25.1	21.6			
			080	242	179	148	120	104	93	81	66	57			
	210	040	30.6	21.8	17.9	14.7	12.7	11.3	9.8	8.0	6.9	5.6			
		050	50.1	37.7	31.1	25.4	22.0	19.7	17.0	13.9	12.0	9.7			
		063	119	72.5	59.8	48.8	42.2	37.8	32.7	26.6	23.0				
		080	242	190	156	128	110	99	85	70	60				
	240	040	30.6	22.8	18.8	15.3	13.3	11.9	10.3	8.4	7.3	5.9			
		050	50.1	39.4	32.5	26.5	23.0	20.5	17.8	14.5	12.5	10.2			
		063	119	75.8	62.5	51.0	44.2	39.5	34.2	27.9	24.0				
		080	242	198	163	133	115	103	89	73	63				
	270	040	30.6	23.5	19.4	15.9	13.8	12.3	10.6	8.7	7.5	6.1			
		050	50.1	40.7	33.7	27.5	23.8	21.3	18.4	15.0	13.0	10.6			
		063	119	78.3	64.7	52.9	45.8	40.9	35.4	28.9	25.0				
		080	242	205	169	138	120	107	92.7	75.6	65.3				
300	040	30.6	23.7	20.0	16.4	14.2	12.7	11.0	9.0	7.8	6.3				
	050	50.1	41.1	34.7	28.3	24.5	21.9	19.0	15.5	13.4	10.9				
	063	119	79.0	66.7	54.5	47.2	42.2	36.5	29.8	25.7					
	080	262	252	222	181	157	140	121	99	86					
330	040	30.6	23.9	20.6	16.8	14.5	13.0	11.3	9.2	8.0	6.5				
	050	50.1	41.3	35.6	29.1	25.2	22.5	19.5	15.9	13.8	11.2				
	063	119	79.5	68.5	55.9	48.4	43.3	37.5	30.6	26.4					
	080	262	253	228	186	161	144	125	102	88					
Parallel cam drive	Table	18	120	040	10.9	7.88	6.86	6.32	5.97	5.70	5.38	4.40	3.79	3.03	
				050	37.9	22.3	18.4	15.0	13.0	11.6	10.0	8.1	7.0	5.5	
				063	85.1	52.3	43.1	35.2	30.4	27.2	23.5	19.0	16.2		
				080	152	75.8	62.5	51.0	44.1	39.4	34.0	27.3	23.1		
		150	040	10.9	8.71	7.59	6.99	6.60	6.31	5.96	4.88	4.21	3.40		
			050	37.9	24.6	20.3	16.6	14.3	12.8	11.1	9.0	7.8	6.2		
			063	85.1	57.8	47.7	38.9	33.7	30.1	26.0	21.1	18.1			
			080	164	132	115	100	87	78	67	55	47			
		180	040	30.6	21.2	17.5	14.3	12.4	11.1	9.6	7.8	6.8	5.5		
			050	51.5	36.8	30.3	24.8	21.5	19.2	16.6	13.5	11.7	9.4		
			063	85.1	62.0	51.1	41.7	36.1	32.3	27.9	22.7	19.6			
			080	164	141	123	108	93	83	72	59	51			
	210	040	30.6	22.4	18.4	15.1	13.0	11.7	10.1	8.2	7.1	5.8			
		050	51.5	38.8	31.9	26.1	22.6	20.2	17.5	14.3	12.3	10.0			
		063	85.1	65.3	53.8	44.0	38.1	34.0	29.4	24.0	20.7				
		080	164	149	130	113	98	88	76	62	53				
	240	040	30.6	23.3	19.2	15.7	13.6	12.2	10.5	8.6	7.4	6.1			
		050	51.5	40.4	33.3	27.2	23.5	21.0	18.2	14.9	12.8	10.4			
		063	85.1	68.1	56.1	45.8	39.6	35.5	30.7	25.0	21.6				
		080	164	155	135	118	102	91	79	65	56				
	270	040	30.6	23.7	19.9	16.2	14.1	12.6	10.9	8.9	7.7	6.3			
		050	51.5	41.1	34.4	28.1	24.3	21.7	18.8	15.4	13.3	10.8			
	Option	Linear Pike and Rise time	18	210	040	30.6	22.4	18.4	15.1	13.0	11.7	10.1	8.2	7.1	5.8
					050	51.5	38.8	31.9	26.1	22.6	20.2	17.5	14.3	12.3	10.0
063					85.1	65.3	53.8	44.0	38.1	34.0	29.4	24.0	20.7		
080					164	149	130	113	98	88	76	62	53		
240			040	30.6	23.3	19.2	15.7	13.6	12.2	10.5	8.6	7.4	6.1		
			050	51.5	40.4	33.3	27.2	23.5	21.0	18.2	14.9	12.8	10.4		
Circular Pike and Rise time		18	210	040	30.6	22.4	18.4	15.1	13.0	11.7	10.1	8.2	7.1	5.8	
				050	51.5	38.8	31.9	26.1	22.6	20.2	17.5	14.3	12.3	10.0	
				063	85.1	65.3	53.8	44.0	38.1	34.0	29.4	24.0	20.7		
				080	164	149	130	113	98	88	76	62	53		
		240	040	30.6	23.3	19.2	15.7	13.6	12.2	10.5	8.6	7.4	6.1		
			050	51.5	40.4	33.3	27.2	23.5	21.0	18.2	14.9	12.8	10.4		

Discontinue

Index series

● RGIS straight shaft (2 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
18	270	063	85.1	69.3	58.0	47.4	41.0	36.7	31.7	25.9	22.4	
		080	164	158	140	122	106	95	82	67	58	
	300	040	30.6	23.9	20.5	16.7	14.5	12.9	11.2	9.1	7.9	6.4
		050	51.5	41.4	35.4	28.9	25.0	22.4	19.4	15.8	13.7	11.1
		063	85.1	69.8	59.7	48.7	42.2	37.7	32.7	26.6	23.0	
	330	080	164	159	144	126	109	97	84	69	59	
		040	30.6	24.1	21.0	17.1	14.8	13.3	11.5	9.4	8.1	6.6
		050	51.5	41.6	36.2	29.6	25.6	22.9	19.8	16.2	14.0	11.4
	20	90	063	85.1	70.2	61.1	49.9	43.2	38.7	33.5	27.3	23.6
080			164	160	147	129	112	100	86	70	61	
040			10.2	6.53	5.38	4.39	3.80	3.40	2.93	2.37	2.02	1.57
120		050	19.9	13.1	11.4	10.5	9.8	9.4	8.8	7.2	6.1	4.7
		063	25.3	16.5	14.3	13.2	12.4	11.8	11.1	10.0	8.7	
		080	108	59.7	49.1	40.1	34.6	30.9	26.5	21.1	17.4	
150		040	10.9	8.19	7.13	6.58	6.21	5.93	5.60	4.58	3.94	3.17
		050	37.9	23.2	19.1	15.6	13.5	12.1	10.4	8.5	7.3	5.7
		063	63.6	40.9	33.7	27.5	23.8	21.3	18.4	14.8	12.6	
180	080	152	78.9	65.0	53.0	45.9	41.0	35.4	28.5	24.2		
	040	10.9	8.99	7.83	7.22	6.81	6.51	6.14	5.03	4.35	3.51	
	050	37.9	25.4	20.9	17.1	14.8	13.2	11.4	9.3	8.0	6.4	
210	063	63.6	44.8	37.0	30.2	26.1	23.3	20.2	16.4	14.0		
	080	152	86.5	71.3	58.2	50.4	45.0	38.9	31.5	27.0		
	040	10.9	9.59	8.35	7.70	7.27	6.95	6.56	5.37	4.64	3.77	
240	050	37.9	27.1	22.3	18.2	15.8	14.1	12.2	9.9	8.6	6.9	
	063	63.6	47.8	39.4	32.2	27.9	24.9	21.5	17.5	15.1		
	080	152	92.3	76.1	62.1	53.8	48.1	41.6	33.8	29.0		
270	040	10.9	10.1	8.8	8.1	7.6	7.3	6.9	5.6	4.9	4.0	
	050	37.9	28.4	23.4	19.1	16.5	14.8	12.8	10.4	9.0	7.3	
	063	63.6	50.2	41.4	33.8	29.2	26.1	22.6	18.4	15.9		
300	080	164	152	132	116	100	90	78	63	55		
	040	10.9	10.4	9.1	8.4	7.9	7.6	7.2	5.9	5.1	4.1	
	050	37.9	29.4	24.3	19.8	17.2	15.4	13.3	10.9	9.4	7.6	
330	063	63.6	52.0	43.0	35.1	30.4	27.2	23.5	19.2	16.5		
	080	164	158	138	120	104	93	81	66	57		
	040	10.9	10.5	9.4	8.7	8.2	7.8	7.4	6.1	5.2	4.3	
360	050	37.9	29.7	25.1	20.5	17.7	15.9	13.7	11.2	9.7	7.9	
	063	63.6	52.5	44.4	36.2	31.4	28.1	24.3	19.8	17.1		
	080	164	159	142	124	108	96	83	68	59		
24	90	040	10.9	10.6	9.7	8.9	8.4	8.0	7.6	6.2	5.4	4.4
		050	37.9	29.8	25.8	21.0	18.2	16.3	14.1	11.5	10.0	8.1
		063	85.1	70.2	60.7	49.5	42.9	38.4	33.2	27.1	23.4	
	120	080	164	160	146	128	111	99	86	70	60	
		040	10.9	10.6	9.9	9.1	8.6	8.2	7.8	6.4	5.5	4.5
		050	37.9	30.0	26.4	21.5	18.7	16.7	14.4	11.8	10.2	8.3
	150	063	85.1	70.5	62.1	50.7	43.9	39.3	34.0	27.7	24.0	
		080	164	161	150	131	113	101	88	72	62	
		040	7.19	5.14	4.24	3.46	2.99	2.67	2.31	1.87	1.59	1.23
180	050	12.8	9.31	8.10	7.47	7.04	6.72	6.33	5.13	4.35	3.29	
	063	25.3	17.8	15.5	14.3	13.5	12.8	12.0	10.9	9.6		
	080	80.0	48.3	39.8	32.5	28.0	25.0	21.5	17.1	14.1		
210	040	7.19	5.77	4.75	3.88	3.36	3.00	2.60	2.11	1.81	1.40	
	050	12.8	10.4	9.1	8.4	7.9	7.6	7.1	5.8	5.0	3.9	
	063	25.3	20.2	17.6	16.2	15.3	14.6	13.8	12.6	11.2		
240	080	108	73.3	60.4	49.3	42.7	38.1	32.9	26.6	22.6		

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Peak and Precise drive

Linear

Circular

Option

Output torque table

Index series

● RGIS straight shaft (2 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)							
						Input shaft rotational speed (rpm)							
						15	30	45	60	75	100	150	200
Roller gear cam drive	24	150	040	10.2	8.50	7.00	5.72	4.95	4.43	3.83	3.12	2.69	2.17
			050	12.8	11.2	9.8	9.0	8.5	8.1	7.7	6.3	5.4	4.3
			063	63.6	47.0	38.7	31.6	27.3	24.4	21.1	17.2	14.7	
			080	108	79.5	65.5	53.4	46.3	41.3	35.7	29.0	24.8	
		180	040	10.2	8.96	7.39	6.03	5.22	4.67	4.04	3.30	2.85	2.31
			050	12.8	11.8	10.3	9.5	9.0	8.6	8.1	6.6	5.7	4.6
			063	63.6	49.7	41.0	33.4	29.0	25.9	22.4	18.2	15.7	
			080	108	84.1	69.3	56.6	49.0	43.8	37.9	30.8	26.5	
		210	040	10.2	9.34	7.70	6.29	5.44	4.87	4.22	3.44	2.97	2.41
			050	12.8	12.3	10.7	9.9	9.4	8.9	8.4	6.9	6.0	4.8
			063	63.6	51.9	42.8	34.9	30.2	27.0	23.4	19.1	16.4	
			080	152	100	83	67	58	52	45	37	32	
	240	040	10.2	9.47	7.96	6.50	5.63	5.04	4.36	3.56	3.08	2.50	
		050	12.8	12.5	11.1	10.2	9.7	9.2	8.7	7.2	6.2	5.0	
		063	63.6	52.7	44.3	36.2	31.3	28.0	24.3	19.8	17.1		
		080	152	102	86	70	60	54	47	38	33		
	270	040	10.2	9.51	8.19	6.69	5.79	5.18	4.49	3.66	3.17	2.58	
		050	37.9	29.9	25.8	21.1	18.2	16.3	14.1	11.5	9.9	8.1	
		063	63.6	53.0	45.6	37.3	32.3	28.9	25.0	20.4	17.6		
		080	152	102	88	72	62	56	48	39	34		
	300	040	10.2	9.55	8.40	6.86	5.94	5.31	4.60	3.75	3.25	2.65	
		050	37.9	30.1	26.4	21.6	18.7	16.7	14.5	11.8	10.2	8.3	
		063	63.6	53.2	46.8	38.2	33.1	29.6	25.6	20.9	18.1		
		080	152	103	90	74	64	57	49	40	35		
330	040	10.2	9.57	8.58	7.01	6.07	5.43	4.70	3.84	3.32	2.71		
	050	37.9	30.2	27.0	22.1	19.1	17.1	14.8	12.1	10.5	8.5		
	063	63.6	53.4	47.9	39.1	33.8	30.3	26.2	21.4	18.5			
	080	152	103	92	75	65	58	51	41	36			
30	90	080	31.8	24.3	21.2	19.5	18.4	17.5	16.4	14.8	12.9		
	120	080	80.0	57.9	47.7	38.9	33.7	30.1	26.0	21.0	17.8		
	150	080	80.0	62.0	51.1	41.7	36.1	32.2	27.9	22.6	19.4		
	180	080	80.0	65.1	53.7	43.8	37.9	33.9	29.3	23.8	20.5		
	210	080	80.0	66.6	55.8	45.5	39.4	35.3	30.5	24.8	21.4		
	240	080	80.0	67.0	57.6	47.0	40.7	36.4	31.5	25.7	22.2		
	270	080	80.0	67.2	59.2	48.3	41.8	37.4	32.4	26.4	22.8		
	300	080	80.0	67.4	60.6	49.5	42.9	38.3	33.2	27.1	23.4		
	330	080	80.0	67.5	61.9	50.5	43.8	39.1	33.9	27.6	23.9		
	90	080	31.8	24.8	21.6	19.9	18.7	17.8	16.7	15.1	13.2		
32	120	080	31.8	27.4	23.9	22.0	20.7	19.8	18.6	17.0	15.1		
	150	080	31.8	29.3	25.5	23.5	22.1	21.2	19.9	18.3	16.4		
	180	080	80.0	65.8	54.2	44.3	38.3	34.3	29.6	24.1	20.7		
	210	080	80.0	66.8	56.3	46.0	39.8	35.6	30.8	25.1	21.6		
	240	080	80.0	67.1	58.1	47.4	41.1	36.7	31.8	25.9	22.4		
	270	080	80.0	67.3	59.7	48.7	42.2	37.7	32.7	26.6	23.0		
	300	080	80.0	67.5	61.1	49.9	43.2	38.6	33.4	27.3	23.6		
	330	080	80.0	67.6	62.4	50.9	44.1	39.4	34.1	27.9	24.1		

Discontinue

Index series

Product specifications

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

Output torque table

Index series

● RGIS straight shaft (3 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						10	20	30	40	50	70	100	140	200
Roller gear cam drive	24	150	040	10.9	8.73	7.60	7.00	6.61	6.32	5.85	4.89	4.12	3.42	
			050	19.9	16.1	14.0	12.9	12.2	11.6	10.9	10.1	8.9	7.3	
			063	85.1	57.9	47.7	39.0	33.7	30.2	25.5	21.2	17.8	14.6	
			080	164	132	115	100	87	78	66	55	46	38	
		180	040	30.6	21.4	17.7	14.4	12.5	11.2	9.4	7.9	6.7	5.5	
			050	50.1	37.1	30.6	25.0	21.6	19.4	16.4	13.7	11.5	9.6	
			063	85.1	62.5	51.5	42.1	36.4	32.6	27.5	23.0	19.3	15.9	
			080	242	186	154	125	109	97	82	68	58	48	
		210	040	30.6	22.7	18.7	15.3	13.2	11.8	10.0	8.4	7.1	5.9	
			050	50.1	39.3	32.4	26.4	22.9	20.5	17.3	14.5	12.2	10.1	
			063	85.1	66.2	54.5	44.5	38.6	34.5	29.1	24.3	20.5	17.0	
			080	242	197	163	133	115	103	87	73	61	51	
	240	040	30.6	23.2	19.5	16.0	13.8	12.4	10.4	8.7	7.4	6.2		
		050	50.1	40.2	33.8	27.6	23.9	21.4	18.1	15.1	12.8	10.6		
		063	85.1	67.8	57.0	46.5	40.3	36.0	30.5	25.4	21.5	17.8		
		080	262	246	216	177	153	137	116	97	81	68		
	270	040	30.6	23.5	20.3	16.5	14.3	12.8	10.8	9.1	7.6	6.4		
		050	50.1	40.7	35.1	28.6	24.8	22.2	18.7	15.7	13.2	11.0		
		063	85.1	68.6	58.1	48.3	41.8	37.4	31.6	26.4	22.3	18.5		
		080	262	249	224	183	159	142	120	100	85	70		
	300	040	30.6	23.7	20.9	17.0	14.8	13.2	11.2	9.3	7.9	6.6		
		050	50.1	41.1	36.1	29.5	25.5	22.8	19.3	16.1	13.6	11.4		
		063	85.1	69.2	60.9	49.7	43.1	38.5	32.5	27.2	23.0	19.1		
		080	262	252	231	189	163	146	123	103	87	73		
330	040	30.6	23.9	21.4	17.5	15.1	13.5	11.4	9.6	8.1	6.8			
	050	50.1	41.3	37.1	30.3	26.2	23.4	19.8	16.6	14.0	11.7			
	063	85.1	69.7	62.5	51.0	44.2	39.5	33.4	27.9	23.6	19.7			
	080	262	253	237	194	168	150	127	106	89	75			
Parallel cam drive	120	040	10.9	8.53	7.43	6.85	6.47	6.18	5.72	4.78	4.02	3.30		
		050	22.8	17.9	15.6	14.3	13.5	12.6	10.6	8.8	7.4	6.1		
		063	63.6	42.6	35.1	28.6	24.8	22.2	18.7	15.5	12.9	10.4		
		080	152	82.2	67.7	55.3	47.8	42.7	36.0	29.9	24.9	19.9		
	150	040	10.9	9.36	8.15	7.51	7.09	6.78	6.28	5.25	4.42	3.68		
		050	37.9	26.4	21.8	17.8	15.4	13.8	11.6	9.7	8.2	6.8		
		063	85.1	62.1	51.2	41.8	36.2	32.4	27.3	22.8	19.1	15.8		
		080	152	90.1	74.3	60.6	52.5	46.9	39.6	33.0	27.6	22.5		
	180	040	10.9	9.99	8.69	8.02	7.57	7.24	6.70	5.60	4.72	3.94		
		050	37.9	28.2	23.2	19.0	16.4	14.7	12.4	10.4	8.7	7.3		
		063	85.1	66.3	54.6	44.6	38.6	34.5	29.2	24.3	20.5	17.0		
		080	152	96.1	79.2	64.7	56.0	50.1	42.3	35.3	29.6	24.4		
210	040	10.9	10.3	9.1	8.4	7.9	7.6	7.0	5.9	5.0	4.1			
	050	37.9	29.1	24.4	19.9	17.2	15.4	13.0	10.9	9.2	7.6			
	063	85.1	68.4	57.3	46.8	40.5	36.2	30.6	25.6	21.6	17.9			
	080	164	156	138	121	105	93	79	66	56	46			
240	040	10.9	10.4	9.5	8.7	8.3	7.9	7.3	6.1	5.2	4.3			
	050	37.9	29.4	25.3	20.7	17.9	16.0	13.5	11.3	9.5	8.0			
	063	85.1	69.2	59.6	48.6	42.1	37.7	31.8	26.6	22.4	18.7			
	080	164	158	143	125	109	97	82	69	58	48			
270	040	10.9	10.5	9.8	9.0	8.5	8.2	7.5	6.3	5.3	4.5			
	050	37.9	29.7	26.1	21.3	18.5	16.5	14.0	11.7	9.9	8.2			
	063	85.1	69.8	61.5	50.2	43.5	38.9	32.9	27.5	23.2	19.3			
	080	164	159	148	130	112	100	85	71	60	50			
300	040	10.9	10.6	10.1	9.3	8.8	8.4	7.8	6.5	5.5	4.6			
	050	37.9	29.8	26.8	21.9	19.0	17.0	14.3	12.0	10.1	8.5			
Option	Circular Pike and Rase drive	30	210	040	10.9	10.3	9.1	8.4	7.9	7.6	7.0	5.9	5.0	4.1
				050	37.9	29.1	24.4	19.9	17.2	15.4	13.0	10.9	9.2	7.6
				063	85.1	68.4	57.3	46.8	40.5	36.2	30.6	25.6	21.6	17.9
				080	164	156	138	121	105	93	79	66	56	46
		240	040	10.9	10.4	9.5	8.7	8.3	7.9	7.3	6.1	5.2	4.3	
			050	37.9	29.4	25.3	20.7	17.9	16.0	13.5	11.3	9.5	8.0	
	063		85.1	69.2	59.6	48.6	42.1	37.7	31.8	26.6	22.4	18.7		
	080		164	158	143	125	109	97	82	69	58	48		
	Linear	30	270	040	10.9	10.5	9.8	9.0	8.5	8.2	7.5	6.3	5.3	4.5
				050	37.9	29.7	26.1	21.3	18.5	16.5	14.0	11.7	9.9	8.2
				063	85.1	69.8	61.5	50.2	43.5	38.9	32.9	27.5	23.2	19.3
				080	164	159	148	130	112	100	85	71	60	50
300		040	10.9	10.6	10.1	9.3	8.8	8.4	7.8	6.5	5.5	4.6		
		050	37.9	29.8	26.8	21.9	19.0	17.0	14.3	12.0	10.1	8.5		

Discontinue

Index series

● RGIS straight shaft (3 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	20	30	40	50	70	100	140	200
30	300	063	85.1	70.2	63.2	51.6	44.7	39.9	33.8	28.2	23.8	19.9
		080	164	160	152	133	115	103	87	73	61	51
	330	040	10.9	10.6	10.3	9.5	9.0	8.6	7.9	6.6	5.6	4.7
		050	37.9	30.0	27.5	22.4	19.4	17.4	14.7	12.3	10.4	8.7
		063	85.1	70.5	64.7	52.8	45.7	40.9	34.6	28.9	24.4	20.4
		080	164	161	156	136	118	106	89	75	63	53
36	90	040	7.19	5.36	4.41	3.60	3.12	2.79	2.35	1.96	1.63	1.32
		050	13.1	8.87	7.31	5.96	5.16	4.61	3.88	3.21	2.64	2.06
		063	16.4	12.3	10.7	9.9	9.3	8.9	8.2	6.7	5.4	4.1
		080	80.0	50.3	41.5	33.8	29.3	26.1	21.9	18.0	14.7	11.1
	120	040	10.2	8.21	6.77	5.52	4.78	4.28	3.61	3.02	2.54	2.10
		050	12.8	10.9	9.5	8.7	8.2	7.9	7.3	6.1	5.1	4.2
		063	25.3	21.1	18.3	16.9	15.9	15.2	14.2	13.2	11.5	9.3
		080	108	76.4	62.9	51.4	44.5	39.7	33.5	27.8	23.2	18.7
	150	040	10.2	8.85	7.29	5.95	5.16	4.61	3.89	3.25	2.74	2.28
		050	12.8	11.7	10.2	9.4	8.9	8.5	7.8	6.5	5.5	4.5
		063	63.6	48.9	40.3	32.9	28.5	25.5	21.5	17.9	15.1	12.4
		080	108	82.7	68.2	55.7	48.2	43.1	36.4	30.3	25.4	20.8
	180	040	10.2	9.30	7.69	6.28	5.44	4.86	4.11	3.44	2.90	2.41
		050	12.8	12.3	10.7	9.9	9.3	8.9	8.3	6.9	5.8	4.8
		063	63.6	51.6	42.7	34.8	30.2	27.0	22.8	19.0	16.0	13.2
		080	108	87.3	72.2	58.9	51.0	45.6	38.5	32.2	27.0	22.3
	210	040	10.2	9.40	8.02	6.55	5.67	5.07	4.28	3.58	3.02	2.52
		050	12.8	12.4	11.2	10.3	9.7	9.3	8.6	7.2	6.1	5.1
		063	63.6	52.2	44.6	36.4	31.5	28.2	23.8	19.9	16.8	13.9
		080	152	101	86	70	61	54	46	38	32	27
	240	040	10.2	9.47	8.29	6.77	5.86	5.24	4.43	3.71	3.13	2.61
		050	12.8	12.5	11.6	10.7	10.1	9.6	8.9	7.5	6.3	5.2
		063	63.6	52.7	46.2	37.7	32.6	29.2	24.7	20.6	17.4	14.5
		080	152	102	89	73	63	56	48	40	34	28
270	040	10.2	9.51	8.53	6.97	6.03	5.40	4.56	3.81	3.22	2.69	
	050	12.8	12.6	11.9	11.0	10.4	9.9	9.2	7.7	6.5	5.4	
	063	63.6	53.0	47.5	38.8	33.6	30.1	25.4	21.2	17.9	14.9	
	080	152	102	92	75	65	58	49	41	35	29	
300	040	10.2	9.55	8.75	7.14	6.18	5.53	4.67	3.91	3.30	2.76	
	050	12.8	12.6	12.2	11.2	10.6	10.2	9.4	7.9	6.6	5.5	
	063	63.6	53.2	48.7	39.8	34.5	30.8	26.0	21.8	18.4	15.3	
	080	152	103	94	77	67	60	50	42	35	30	
330	040	10.2	9.57	8.94	7.30	6.32	5.65	4.78	4.00	3.38	2.82	
	050	12.8	12.6	12.5	11.5	10.8	10.4	9.6	8.0	6.8	5.7	
	063	63.6	53.4	49.8	40.7	35.2	31.5	26.6	22.3	18.8	15.7	
	080	152	103	96	79	68	61	51	43	36	30	
48	90	080	31.8	25.8	22.5	20.7	19.5	18.6	17.3	15.9	13.7	10.6
	120	080	31.8	28.5	24.8	22.9	21.6	20.6	19.2	17.8	15.5	12.5
	150	080	31.8	30.5	26.5	24.4	23.1	22.1	20.6	19.1	16.7	13.7
	180	080	80.0	66.3	56.5	46.1	39.9	35.7	30.1	25.1	21.1	17.4
	210	080	80.0	66.8	58.6	47.9	41.5	37.1	31.3	26.2	22.0	18.2
	240	080	80.0	67.1	60.5	49.4	42.8	38.3	32.3	27.0	22.8	18.9
	270	080	80.0	67.3	62.2	50.7	43.9	39.3	33.2	27.8	23.4	19.5
	300	080	80.0	67.5	63.6	51.9	45.0	40.2	34.0	28.4	24.0	20.0
	330	080	80.0	67.6	64.0	53.0	45.9	41.1	34.7	29.0	24.5	20.4

Product specifications

Compact

Standard

Table

Wide angle

Basic

Roller gear cam drive

Parallel cam drive

Peak and

Prescribe

Linear

Circular

Option

Output torque table

Index series

● RGIS straight shaft (4 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)											
						Input shaft rotational speed (rpm)											
						10	15	20	30	40	50	75	100	150			
Roller gear cam drive	Compact	32	180	040	10.9	9.16	8.44	7.97	7.35	6.94	6.63	5.44	4.70	3.83			
				050	50.1	36.1	31.5	27.3	22.3	19.3	17.2	14.1	12.2	9.9			
				063	85.1	60.8	53.0	45.9	37.5	32.5	29.0	23.7	20.4	16.5			
				080	164	138	128	118	97	84	75	61	53	43			
		210	040	30.6	22.0	19.2	16.7	13.6	11.8	10.5	8.6	7.4	6.1				
			050	50.1	38.2	33.3	28.9	23.6	20.4	18.2	14.9	12.9	10.5				
			063	85.1	64.3	56.1	48.6	39.7	34.4	30.7	25.1	21.7	17.6				
			080	242	192	167	145	118	103	92	75	65	52				
		240	040	30.6	23.0	20.1	17.4	14.2	12.3	11.0	9.0	7.8	6.3				
			050	50.1	39.9	34.8	30.2	24.6	21.3	19.1	15.6	13.5	11.0				
			063	85.1	67.2	58.7	50.8	41.5	35.9	32.1	26.2	22.7	18.4				
			080	262	244	223	193	157	136	122	99	86	70				
	270	040	30.6	23.5	20.8	18.1	14.7	12.8	11.4	9.3	8.1	6.6					
		050	50.1	40.7	36.1	31.2	25.5	22.1	19.8	16.1	14.0	11.4					
		063	85.1	68.6	60.8	52.7	43.0	37.2	33.3	27.2	23.5	19.1					
		080	262	249	231	200	163	141	126	103	89	73					
	300	040	30.6	23.7	21.5	18.6	15.2	13.2	11.8	9.6	8.3	6.8					
		050	50.1	41.1	37.2	32.2	26.3	22.8	20.4	16.6	14.4	11.7					
		063	85.1	69.2	62.7	54.3	44.3	38.4	34.3	28.0	24.2	19.7					
		080	262	252	238	206	168	146	130	106	92	75					
	330	040	30.6	23.9	22.0	19.1	15.6	13.5	12.1	9.9	8.5	7.0					
		050	50.1	41.3	38.0	33.0	27.0	23.4	20.9	17.0	14.8	12.0					
		063	85.1	69.7	64.3	55.7	45.5	39.4	35.2	28.7	24.9	20.3					
		080	262	253	244	211	173	149	134	109	94	77					
Basic	Wide angle	32	150	040	10.9	8.82	8.13	7.68	7.08	6.68	6.39	5.24	4.53	3.68			
				050	37.9	24.9	21.8	18.8	15.4	13.3	11.9	9.7	8.4	6.8			
				063	63.6	44.0	38.4	33.3	27.1	23.5	21.0	17.1	14.7	11.8			
				080	152	84.9	74.1	64.2	52.4	45.3	40.5	33.0	28.4	22.7			
				Table	300	180	040	30.6	21.5	18.8	16.3	13.3	11.5	10.3	8.4	7.3	5.9
							050	51.5	37.3	32.5	28.2	23.0	19.9	17.8	14.5	12.6	10.2
	063	85.1	62.7				54.8	47.4	38.7	33.5	30.0	24.4	21.1	17.1			
	080	164	143				132	122	100	86	77	63	54	44			
	Standard	210	150				040	30.6	22.6	19.8	17.1	14.0	12.1	10.8	8.8	7.6	6.2
							050	51.5	39.2	34.2	29.7	24.2	21.0	18.7	15.3	13.2	10.8
				063	85.1	66.1	57.7	50.0	40.8	35.3	31.6	25.8	22.3	18.1			
				080	164	151	139	129	105	91	81	66	57	47			
Compact				240	150	040	30.6	23.5	20.6	17.8	14.6	12.6	11.3	9.2	8.0	6.5	
						050	51.5	40.7	35.7	30.9	25.2	21.8	19.5	15.9	13.8	11.2	
	063	85.1	68.6			60.1	52.1	42.5	36.8	32.9	26.8	23.2	18.9				
	080	164	156			145	134	110	95	85	69	60	49				
	Table	270	150			040	30.6	23.7	21.3	18.5	15.1	13.0	11.7	9.5	8.2	6.7	
						050	51.5	41.1	36.9	31.9	26.1	22.6	20.2	16.5	14.3	11.6	
063				85.1	69.3	62.2	53.8	44.0	38.1	34.0	27.8	24.0	19.5				
080				164	158	150	139	113	98	88	72	62	50				
Wide angle				300	150	040	30.6	23.9	21.9	19.0	15.5	13.4	12.0	9.8	8.5	6.9	
						050	51.5	41.4	37.9	32.8	26.8	23.2	20.8	16.9	14.7	12.0	
	063	85.1	69.8			64.0	55.4	45.2	39.2	35.0	28.6	24.7	20.1				
	080	164	159			154	143	117	101	90	74	64	52				
	Table	330	150			040	30.6	24.1	22.5	19.5	15.9	13.8	12.3	10.0	8.7	7.1	
						050	51.5	41.6	38.8	33.6	27.5	23.8	21.3	17.4	15.0	12.3	
063				85.1	70.2	65.5	56.8	46.3	40.1	35.9	29.3	25.4	20.7				
080				164	160	158	146	120	104	93	76	65	53				
Option				36	240	150	040	30.6	22.6	19.8	17.1	14.0	12.1	10.8	8.8	7.6	6.2
							050	51.5	39.2	34.2	29.7	24.2	21.0	18.7	15.3	13.2	10.8
	063	85.1	66.1				57.7	50.0	40.8	35.3	31.6	25.8	22.3	18.1			
	080	164	151				139	129	105	91	81	66	57	47			
	Circular Pike and Rase drive	270	150				040	30.6	23.5	20.6	17.8	14.6	12.6	11.3	9.2	8.0	6.5
							050	51.5	40.7	35.7	30.9	25.2	21.8	19.5	15.9	13.8	11.2
063				85.1	68.6	60.1	52.1	42.5	36.8	32.9	26.8	23.2	18.9				
080				164	156	145	134	110	95	85	69	60	49				
Option				300	150	040	30.6	23.7	21.3	18.5	15.1	13.0	11.7	9.5	8.2	6.7	
						050	51.5	41.1	36.9	31.9	26.1	22.6	20.2	16.5	14.3	11.6	
	063	85.1	69.3			62.2	53.8	44.0	38.1	34.0	27.8	24.0	19.5				
	080	164	158			150	139	113	98	88	72	62	50				
	Option	330	150			040	30.6	24.1	22.5	19.5	15.9	13.8	12.3	10.0	8.7	7.1	
						050	51.5	41.6	38.8	33.6	27.5	23.8	21.3	17.4	15.0	12.3	
063				85.1	70.2	65.5	56.8	46.3	40.1	35.9	29.3	25.4	20.7				
080				164	160	158	146	120	104	93	76	65	53				

Discontinue

Index series

● RGIS straight shaft (4 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	15	20	30	40	50	75	100	150
40	150	040	10.9	9.10	8.39	7.92	7.30	6.89	6.59	5.40	4.67	3.80
		050	37.9	25.7	22.4	19.4	15.9	13.7	12.3	10.0	8.6	7.0
		063	63.6	45.4	39.6	34.3	28.0	24.2	21.7	17.6	15.2	12.2
		080	152	87.6	76.4	66.2	54.0	46.8	41.8	34.0	29.3	23.5
	180	040	10.9	9.70	8.95	8.45	7.79	7.35	7.03	5.76	4.99	4.06
		050	37.9	27.4	23.9	20.7	16.9	14.6	13.1	10.7	9.2	7.5
		063	85.1	64.4	56.2	48.7	39.7	34.4	30.8	25.1	21.7	17.5
		080	164	147	135	126	102	89	79	65	56	45
	210	040	10.9	10.2	9.4	8.9	8.2	7.7	7.4	6.1	5.2	4.3
		050	37.9	28.7	25.1	21.7	17.7	15.4	13.7	11.2	9.7	7.9
		063	85.1	67.6	59.0	51.1	41.7	36.1	32.3	26.3	22.8	18.5
		080	164	154	142	132	108	93	83	68	59	48
	240	040	10.9	10.4	9.8	9.2	8.5	8.0	7.7	6.3	5.4	4.4
		050	37.9	29.4	26.1	22.6	18.4	16.0	14.3	11.6	10.1	8.2
		063	85.1	69.2	61.3	53.1	43.3	37.5	33.6	27.4	23.7	19.3
		080	164	158	148	137	112	97	87	71	61	50
	270	040	10.9	10.5	10.1	9.5	8.8	8.3	7.9	6.5	5.6	4.6
		050	37.9	29.7	26.9	23.3	19.0	16.5	14.7	12.0	10.4	8.5
		063	85.1	69.8	63.3	54.8	44.7	38.7	34.6	28.3	24.5	19.9
		080	164	159	152	141	115	100	89	73	63	51
	300	040	10.9	10.6	10.4	9.8	9.0	8.5	8.1	6.7	5.8	4.7
		050	37.9	29.8	27.6	23.9	19.5	16.9	15.1	12.3	10.7	8.7
		063	85.1	70.2	65.0	56.3	46.0	39.8	35.6	29.1	25.1	20.5
		080	164	160	157	145	119	103	92	75	65	53
330	040	10.9	10.6	10.6	10.0	9.2	8.7	8.3	6.8	5.9	4.8	
	050	37.9	30.0	28.3	24.5	20.0	17.3	15.5	12.6	10.9	8.9	
	063	85.1	70.5	66.6	57.6	47.1	40.8	36.5	29.8	25.8	21.0	
	080	164	161	160	149	121	105	94	77	66	54	
48	120	040	10.2	7.98	6.96	6.03	4.92	4.26	3.81	3.11	2.68	2.17
		050	12.8	10.6	9.7	9.2	8.5	8.0	7.6	6.3	5.4	4.3
		063	25.3	20.5	18.9	17.8	16.4	15.5	14.8	13.6	12.2	9.7
		080	80.0	55.4	48.3	41.9	34.1	29.5	26.4	21.4	18.3	14.4
	150	040	10.2	8.60	7.50	6.50	5.31	4.59	4.11	3.35	2.90	2.35
		050	12.8	11.4	10.5	9.9	9.1	8.6	8.2	6.7	5.8	4.7
		063	63.6	47.5	41.5	35.9	29.3	25.4	22.7	18.5	15.9	12.8
		080	108	80.4	70.2	60.8	49.6	42.9	38.4	31.2	26.9	21.6
	180	040	10.2	9.07	7.92	6.86	5.60	4.85	4.34	3.54	3.06	2.49
		050	12.8	12.0	11.1	10.4	9.6	9.1	8.7	7.1	6.2	5.0
		063	63.6	50.3	43.9	38.0	31.0	26.9	24.0	19.6	16.9	13.7
		080	108	85.1	74.3	64.3	52.5	45.5	40.7	33.1	28.6	23.1
	210	040	10.2	9.40	8.25	7.15	5.84	5.05	4.52	3.69	3.19	2.60
		050	12.8	12.4	11.5	10.9	10.0	9.5	9.0	7.4	6.4	5.2
		063	63.6	52.2	45.9	39.7	32.4	28.1	25.1	20.5	17.7	14.4
		080	152	101	89	77	63	54	48	40	34	28
	240	040	10.2	9.47	8.54	7.39	6.04	5.23	4.67	3.82	3.30	2.69
		050	12.8	12.5	11.9	11.2	10.4	9.8	9.4	7.7	6.6	5.4
		063	63.6	52.7	47.5	41.1	33.6	29.1	26.0	21.2	18.3	14.9
		080	152	102	92	79	65	56	50	41	35	29
	270	040	10.2	9.51	8.78	7.61	6.21	5.38	4.81	3.93	3.40	2.77
		050	12.8	12.6	12.2	11.6	10.7	10.1	9.6	7.9	6.8	5.6
		063	63.6	53.0	48.9	42.4	34.6	29.9	26.8	21.9	18.9	15.4
		080	152	102	94	82	67	58	52	42	36	30
300	040	10.2	9.55	9.00	7.79	6.36	5.51	4.93	4.02	3.48	2.84	
	050	12.8	12.6	12.6	11.9	10.9	10.3	9.9	8.1	7.0	5.7	

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Option

Flat and Precise

Linear

Circular

Option

Option

Option

Option

Output torque table

Index series

● RGIS straight shaft (4 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	15	20	30	40	50	75	100	150
48	300	063	63.6	53.2	50.2	43.4	35.5	30.7	27.5	22.4	19.4	15.8
		080	152	103	97	84	69	59	53	43	37	30
	330	040	10.2	9.57	9.06	7.97	6.50	5.63	5.04	4.11	3.56	2.90
		050	12.8	12.6	12.6	12.1	11.2	10.5	10.1	8.3	7.2	5.8
		063	63.6	53.4	50.5	44.4	36.3	31.4	28.1	22.9	19.8	16.2
		080	152	103	98	86	70	61	54	44	38	31

Product specifications

Compact	Roller gear cam drive
Standard	Roller gear cam drive
Table	Roller gear cam drive
Wide angle	Roller gear cam drive
Basic	Roller gear cam drive
Parallel cam drive	Roller gear cam drive
Linear	Parallel cam drive
Circular	Parallel cam drive
Pin and Pass drive	Parallel cam drive
Option	Parallel cam drive

Discontinue

Index series

Product specifications

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

Output torque table

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)							
						Input shaft rotational speed (rpm)							
						30	60	90	120	150	200	300	400
Roller gear cam drive	2	270	040	10.9	5.41	4.70	4.32	4.07	3.87	3.60	2.81		
			050	19.9	10.0	8.7	8.0	7.6	7.2	6.7			
			063	85.1	36.0	29.6	24.2	20.9	18.6				
			080	164	81.8	71.2	62.2	53.7	47.8				
		300	040	30.6	13.4	11.0	9.0	7.8	6.9	6.0	4.7		
			050	50.1	23.4	19.3	15.7	13.6	12.1	10.4			
			063	85.1	39.2	32.3	26.3	22.7	20.3	17.4			
			080	242	117	96	78	68	60				
		330	040	30.6	14.4	11.9	9.7	8.4	7.5	6.4	5.1		
	050		50.1	25.1	20.7	16.9	14.6	13.0	11.2	9.0			
	063		119	48.0	39.5	32.2	27.9	24.9	21.4				
	080		242	125	103	84	73	65					
3	180	040	10.9	5.19	4.51	4.14	3.88	3.68	3.40	2.57			
		050	19.9	9.64	8.38	7.70	7.23	6.87	6.38				
		063	85.1	34.6	28.4	23.2	20.0	17.7					
		080	164	78.5	68.3	59.6	51.4	45.7					
	210	040	10.9	5.87	5.10	4.69	4.41	4.19	3.90	3.04			
		050	50.1	23.3	19.2	15.7	13.5	12.1	10.4				
		063	85.1	39.0	32.1	26.2	22.6	20.1	17.2				
		080	242	116	96	78	67	60					
	240	040	30.6	14.7	12.1	9.9	8.5	7.6	6.5	5.2	4.3		
		050	50.1	25.6	21.1	17.2	14.9	13.3	11.4	9.2			
		063	85.1	42.9	35.4	28.8	24.9	22.2	19.1				
		080	242	128	105	86	74	66	57				
	270	040	41.6	22.1	18.2	14.9	12.9	11.5	9.9	8.0	6.8		
		050	50.1	27.7	22.8	18.6	16.1	14.4	12.4	10.0			
		063	85.1	46.4	38.2	31.2	27.0	24.1	20.7				
		080	242	138	114	93	80	72	62				
	300	040	41.6	23.6	19.4	15.9	13.7	12.3	10.6	8.6	7.3		
		050	67.0	39.2	32.3	26.3	22.8	20.4	17.6	14.2			
		063	119	56.4	46.5	37.9	32.8	29.3	25.3				
		080	262	179	154	126	109	97	84				
	330	040	41.6	24.9	20.5	16.7	14.5	12.9	11.2	9.1	7.8		
		050	67.0	41.2	34.0	27.7	24.0	21.5	18.6	15.0			
		063	129	93.3	81.2	71.1	61.5	55.0	47.5				
		080	262	189	163	133	115	103	89				
4	150	040	10.2	5.17	4.25	3.45	2.96	2.61	2.17	1.54			
		050	12.8	6.91	6.00	5.51	5.16	4.88	4.50				
		063	63.6	27.5	22.6	18.4	15.8	14.0	11.8				
		080	108	46.3	38.1	30.9	26.5	23.4					
	180	040	10.9	6.28	5.46	5.02	4.72	4.49	4.18	3.26	2.58		
		050	19.9	11.6	10.1	9.3	8.7	8.3	7.8	6.9			
		063	63.6	31.4	25.8	21.0	18.1	16.1	13.8				
		080	152	60.4	49.7	40.5	34.9	31.0	26.3				
	210	040	17.9	11.5	10.1	9.3	8.7	8.2	7.0	5.6	4.7		
		050	19.9	12.8	11.2	10.3	9.7	9.2	8.6	7.8			
		063	63.6	34.7	28.5	23.3	20.1	17.9	15.4				
		080	164	105	91	80	69	61	53				
	240	040	17.9	12.4	10.8	10.0	9.5	8.8	7.6	6.1	5.2		
		050	19.9	13.8	12.0	11.1	10.5	10.0	9.4	8.5			
		063	63.6	37.4	30.8	25.1	21.7	19.4	16.7				
		080	164	113	99	86	75	67	57				
	270	040	17.9	13.2	11.5	10.6	10.0	9.4	8.1	6.6	5.6		
		050	19.9	14.7	12.8	11.8	11.1	10.6	10.0	9.1			

Discontinue

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
4	270	063	63.6	39.8	32.8	26.7	23.1	20.6	17.8			
		080	164	120	105	92	79	71	61			
	300	040	30.6	19.0	15.7	12.8	11.1	9.9	8.6	6.9	5.9	
		050	50.1	33.1	27.3	22.2	19.3	17.2	14.9	12.0		
		063	85.1	55.6	45.8	37.4	32.4	28.9	25.0			
		080	164	127	110	96	83	75	64			
	330	040	30.6	19.9	16.4	13.4	11.6	10.3	8.9	7.2	6.2	
		050	50.1	34.5	28.4	23.2	20.1	17.9	15.5	12.6		
		063	85.1	58.0	47.8	39.0	33.7	30.2	26.1			
		080	164	132	115	101	87	78	67			
	5	120	040	7.19	3.73	3.06	2.47	2.10	1.83	1.48	0.91	
			050	13.1	6.31	5.18	4.20	3.58	3.13	2.57	1.69	
063			16.4	8.50	7.35	6.70	6.22	5.80	5.17			
080			80.0	34.1	28.0	22.7	19.3	16.9				
150		040	7.19	4.33	3.56	2.89	2.48	2.18	1.82	1.30	0.85	
		050	12.8	7.83	6.81	6.25	5.87	5.58	5.18	3.98		
		063	25.3	14.7	12.8	11.7	11.0	10.4	9.6			
		080	108	53.3	43.8	35.6	30.7	27.2	23.0			
180		040	10.2	6.53	5.37	4.38	3.77	3.35	2.86	2.20	1.71	
		050	12.8	8.68	7.55	6.94	6.53	6.22	5.81	4.58		
		063	25.3	16.5	14.3	13.2	12.4	11.8	11.0			
		080	108	59.6	49.1	40.0	34.5	30.7	26.2			
210		040	14.8	7.05	5.81	4.73	4.08	3.64	3.12	2.45	1.98	
		050	12.8	9.3	8.1	7.5	7.0	6.7	6.3	5.0		
		063	63.6	38.4	31.6	25.8	22.3	19.9	17.1			
		080	152	74.0	60.9	49.7	42.9	38.2	32.8			
240		040	10.9	8.19	7.13	6.57	6.19	5.91	5.55	4.48	3.77	
		050	37.9	23.2	19.1	15.6	13.5	12.0	10.4	8.4		
		063	63.6	40.9	33.7	27.5	23.8	21.2	18.3			
		080	152	78.9	65.0	53.0	45.8	40.9	35.2			
270		040	10.9	8.62	7.50	6.91	6.52	6.23	5.86	4.75	4.02	
		050	37.9	24.4	20.1	16.4	14.2	12.7	10.9	8.8		
		063	63.6	43.0	35.4	28.9	25.0	22.3	19.3			
		080	152	83.0	68.4	55.8	48.3	43.1	37.1			
300	040	10.9	8.99	7.82	7.21	6.80	6.50	6.12	4.97	4.23		
	050	37.9	25.4	20.9	17.1	14.8	13.2	11.4	9.2			
	063	63.6	44.8	37.0	30.2	26.1	23.3	20.1				
	080	152	86.5	71.3	58.2	50.3	45.0	38.8				
330	040	10.9	9.31	8.10	7.47	7.04	6.73	6.34	5.16	4.41		
	050	37.9	26.3	21.7	17.7	15.3	13.7	11.8	9.6			
	063	63.6	46.4	38.3	31.2	27.0	24.1	20.9				
	080	152	89.6	73.8	60.3	52.1	46.6	40.2				
6	90	040	10.9	4.84	4.19	3.83	3.56	3.34	3.01	2.03		
		050	19.9	8.99	7.80	7.13	6.66	6.27	5.71			
		063	85.1	32.2	26.5	21.5	18.4	16.2				
		080	164	73.3	63.6	55.3	47.5	41.8				
	120	040	41.6	19.1	15.7	12.8	11.1	9.9	8.5	6.6	5.4	
		050	67.0	31.8	26.2	21.4	18.4	16.4	14.1	11.1		
		063	119	45.7	37.6	30.6	26.4	23.5	20.0			
		080	262	145	125	102	88	78	67			
	150	040	41.6	22.0	18.1	14.8	12.8	11.4	9.8	7.9	6.6	
		050	67.0	36.5	30.1	24.6	21.2	18.9	16.3	13.1		
		063	129	82.6	71.9	62.9	54.4	48.5	41.8			
		080	262	167	144	117	101	91	78			

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Peak and Phase drive

Linear Circular

Option

Output torque table

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)						
						Input shaft rotational speed (rpm)						
						30	60	90	120	150	200	300
Roller gear cam drive	6	180	040	41.6	24.3	20.0	16.3	14.1	12.6	10.9	8.8	7.4
			050	67.0	40.2	33.1	27.0	23.4	20.9	18.0	14.6	
			063	129	91.0	79.2	69.3	60.0	53.6	46.2		
			080	431	224	185	151	131	117	101		
		210	040	41.6	26.1	21.5	17.5	15.2	13.6	11.7	9.5	8.1
			050	67.0	43.2	35.6	29.0	25.1	22.4	19.4	15.7	
			063	129	97.8	85.1	74.5	64.4	57.6	49.8		
			080	431	241	199	162	140	125	108		
		240	040	41.6	27.6	22.7	18.5	16.0	14.3	12.4	10.1	8.6
			050	67.0	45.6	37.6	30.7	26.5	23.7	20.5	16.6	
			063	129	103	90	79	68	61	53		
			080	431	255	210	171	148	133	115		
	270	040	41.6	28.8	23.7	19.4	16.8	15.0	13.0	10.5	9.1	
		050	67.0	47.6	39.2	32.0	27.7	24.8	21.4	17.4		
		063	129	108	94	82	71	64	55			
		080	431	266	219	179	155	139	120			
	300	040	41.6	29.9	24.6	20.1	17.4	15.6	13.5	10.9	9.4	
		050	67.0	49.3	40.6	33.2	28.7	25.7	22.2	18.1		
		063	129	112	97	85	74	66	57			
		080	431	276	228	186	161	144	124			
	330	040	41.6	30.8	25.4	20.7	17.9	16.0	13.9	11.3	9.7	
		050	67.0	50.8	41.9	34.2	29.6	26.5	22.9	18.7		
		063	129	115	100	88	76	68	59			
		080	431	285	235	192	166	148	128			
Parallel cam drive	8	90	040	10.9	5.85	5.08	4.66	4.36	4.11	3.77	2.76	1.91
			050	50.1	23.2	19.1	15.6	13.4	11.9	10.1	7.8	
			063	85.1	38.9	32.0	26.0	22.4	19.8	16.8		
			080	164	88.5	76.9	67.1	57.7	51.2	43.3		
		120	040	30.6	15.9	13.1	10.7	9.2	8.2	7.0	5.6	4.5
			050	50.1	27.7	22.8	18.6	16.0	14.3	12.3	9.7	
			063	85.1	46.4	38.2	31.2	26.9	24.0	20.5		
			080	242	138	114	93	80	71	61		
		150	040	30.6	17.8	14.6	11.9	10.3	9.2	7.9	6.4	5.3
			050	50.1	30.9	25.4	20.7	17.9	16.0	13.8	11.1	
			063	85.1	51.9	42.8	34.9	30.1	26.9	23.1		
			080	242	155	127	104	90	80	69		
	180	040	30.6	19.2	15.8	12.9	11.2	10.0	8.6	6.9	5.9	
		050	50.1	33.3	27.4	22.4	19.4	17.3	14.9	12.1		
		063	85.1	56.0	46.2	37.7	32.6	29.1	25.1			
		080	242	167	138	112	97	87	75			
	210	040	30.6	20.3	16.7	13.7	11.8	10.6	9.1	7.4	6.3	
		050	50.1	35.2	29.0	23.7	20.5	18.3	15.8	12.8		
		063	85.1	59.3	48.9	39.9	34.5	30.8	26.6			
		080	242	177	146	119	103	92	79			
	240	040	30.6	21.2	17.5	14.3	12.4	11.1	9.6	7.8	6.6	
		050	50.1	36.8	30.3	24.7	21.4	19.1	16.6	13.4		
		063	85.1	62.0	51.1	41.7	36.1	32.2	27.9			
		080	242	185	152	124	108	96	83			
270	040	30.6	22.0	18.1	14.8	12.8	11.5	9.9	8.1	6.9		
	050	50.1	38.1	31.4	25.6	22.2	19.8	17.2	14.0			
	063	85.1	64.2	52.9	43.2	37.4	33.4	28.9				
	080	262	233	201	164	142	127	110				
300	040	30.6	22.7	18.7	15.3	13.2	11.8	10.2	8.3	7.2		
	050	50.1	39.3	32.4	26.4	22.9	20.4	17.7	14.4			

Discontinue

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
				Input shaft rotational speed (rpm)									
				30	60	90	120	150	200	300	400	600	
8	300	063	85.1	66.2	54.6	44.5	38.6	34.5	29.8				
		080	262	241	207	169	146	131	113				
	330	040	30.6	23.3	19.2	15.7	13.6	12.1	10.5	8.5	7.4		
		050	50.1	40.3	33.2	27.1	23.5	21.0	18.2	14.8			
		063	85.1	67.9	56.0	45.7	39.6	35.4	30.6				
		080	262	247	212	173	150	134	116				
	9	90	040	10.9	6.25	5.43	4.98	4.67	4.42	4.07	3.04	2.20	
			050	37.9	17.8	14.6	11.9	10.2	9.1	7.7	5.9		
063			63.6	31.2	25.7	20.9	18.0	15.9	13.4				
080			152	60.2	49.5	40.2	34.5	30.4	25.5				
120		040	10.9	7.35	6.39	5.88	5.53	5.26	4.91	3.86	3.10		
		050	37.9	20.8	17.1	14.0	12.1	10.8	9.2	7.3			
		063	63.6	36.7	30.2	24.6	21.2	18.9	16.2				
		080	152	70.7	58.2	47.4	40.9	36.3	31.0				
150		040	10.9	8.13	7.07	6.51	6.13	5.85	5.49	4.39	3.65		
		050	37.9	23.0	18.9	15.4	13.4	11.9	10.3	8.2			
		063	85.1	54.0	44.5	36.3	31.4	28.0	24.1				
		080	164	123	107	94	81	72	62				
180		040	10.9	8.72	7.59	6.99	6.59	6.29	5.91	4.78	4.03		
		050	51.5	34.3	28.3	23.1	20.0	17.9	15.4	12.5			
		063	85.1	57.9	47.7	38.9	33.7	30.1	25.9				
		080	164	132	115	100	87	78	67				
210		040	30.6	20.9	17.2	14.0	12.2	10.9	9.4	7.6	6.5		
		050	51.5	36.2	29.8	24.3	21.1	18.8	16.3	13.2			
		063	85.1	60.9	50.2	41.0	35.5	31.7	27.4				
		080	164	139	121	106	92	82	71				
240		040	30.6	21.8	17.9	14.6	12.7	11.3	9.8	8.0	6.8		
		050	51.5	37.7	31.0	25.3	21.9	19.6	17.0	13.8			
		063	85.1	63.5	52.3	42.7	37.0	33.0	28.6				
		080	164	145	126	110	95	85	74				
270	040	30.6	22.5	18.5	15.1	13.1	11.7	10.1	8.2	7.1			
	050	51.5	38.9	32.1	26.2	22.7	20.3	17.5	14.3				
	063	85.1	65.7	54.1	44.2	38.2	34.2	29.6					
	080	164	150	130	114	99	88	76					
300	040	30.6	23.2	19.1	15.6	13.5	12.1	10.4	8.5	7.3			
	050	51.5	40.0	33.0	26.9	23.3	20.9	18.1	14.7				
	063	85.1	67.5	55.7	45.4	39.3	35.2	30.4					
	080	164	154	134	117	102	91	79					
330	040	30.6	23.7	19.6	16.0	13.8	12.4	10.7	8.7	7.5			
	050	51.5	41.0	33.8	27.6	23.9	21.4	18.5	15.1				
	063	85.1	69.2	57.1	46.6	40.3	36.1	31.2					
	080	164	158	137	120	104	93	81					
10	90	040	10.2	6.09	5.00	4.06	3.48	3.07	2.57	1.83	1.21		
		050	12.8	8.10	7.03	6.45	6.05	5.73	5.28	3.97			
		063	25.3	15.4	13.3	12.2	11.4	10.8	9.9				
		080	108	55.6	45.7	37.2	31.9	28.2	23.6				
	120	040	10.9	7.64	6.65	6.12	5.76	5.48	5.13	4.05	3.29		
		050	37.9	21.6	17.8	14.5	12.5	11.2	9.6	7.6			
		063	63.6	38.1	31.4	25.6	22.1	19.7	16.9				
		080	152	73.6	60.6	49.4	42.6	37.9	32.3				
	150	040	10.9	8.39	7.30	6.72	6.33	6.04	5.67	4.55	3.80		
		050	37.9	23.7	19.5	15.9	13.8	12.3	10.6	8.5			
		063	63.6	41.8	34.5	28.1	24.3	21.7	18.7				
		080	152	80.7	66.5	54.2	46.9	41.8	35.9				

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
Wide angle	Basic
	Parallel cam drive
Pitch and Phase drive	Linear
	Circular
Option	

Output torque table

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						30	60	90	120	150	200	300	400	600
Roller gear cam drive	Wide angle	10	180	040	10.9	8.95	7.78	7.17	6.76	6.46	6.07	4.92	4.16	
				050	37.9	25.2	20.8	17.0	14.7	13.1	11.3	9.2		
				063	85.1	59.4	48.9	39.9	34.5	30.8	26.6			
				080	152	86.1	71.0	57.9	50.1	44.7	38.5			
		210	040	10.9	9.39	8.17	7.53	7.11	6.79	6.39	5.19	4.43		
			050	37.9	26.5	21.8	17.8	15.4	13.8	11.9	9.6			
			063	85.1	62.3	51.3	41.9	36.3	32.4	28.0				
			080	164	142	124	108	94	84	72				
		240	040	10.9	9.76	8.50	7.83	7.39	7.06	6.65	5.42	4.64		
			050	37.9	27.5	22.7	18.5	16.0	14.3	12.4	10.1			
			063	85.1	64.7	53.4	43.6	37.7	33.7	29.1				
			080	164	148	128	112	97	87	75				
	270	040	10.9	10.1	8.8	8.1	7.6	7.3	6.9	5.6	4.8			
		050	37.9	28.4	23.4	19.1	16.5	14.8	12.8	10.4				
		063	85.1	66.8	55.1	45.0	38.9	34.8	30.1					
		080	164	152	133	116	100	90	78					
	300	040	10.9	10.4	9.0	8.3	7.8	7.5	7.1	5.8	5.0			
		050	37.9	29.2	24.0	19.6	17.0	15.2	13.1	10.7				
		063	85.1	68.7	56.6	46.2	40.0	35.8	30.9					
		080	164	157	136	119	103	92	80					
	330	040	10.9	10.6	9.2	8.5	8.0	7.7	7.2	5.9	5.1			
		050	37.9	29.9	24.6	20.1	17.4	15.6	13.5	11.0				
		063	85.1	70.3	57.9	47.3	41.0	36.6	31.7					
		080	164	160	139	122	106	95	82					
Basic	Table	12	90	040	7.19	4.80	3.94	3.20	2.74	2.42	2.01	1.42	0.92	
				050	12.8	8.68	7.54	6.93	6.51	6.17	5.73	4.39		
				063	25.3	16.6	14.4	13.2	12.4	11.8	10.9			
				080	108	60.2	49.6	40.3	34.7	30.7	25.9			
		120	040	7.19	5.38	4.43	3.61	3.11	2.76	2.34	1.79	1.37		
			050	12.8	9.74	8.47	7.80	7.34	6.99	6.54	5.19			
			063	25.3	18.9	16.4	15.1	14.2	13.5	12.6				
			080	108	68.4	56.3	45.9	39.6	35.3	30.2				
		150	040	10.2	7.93	6.53	5.32	4.60	4.10	3.52	2.80	2.31		
			050	12.8	10.5	9.1	8.4	7.9	7.6	7.1	5.7			
			063	25.3	20.4	17.8	16.4	15.4	14.7	13.8				
			080	108	74.1	61.1	49.8	43.0	38.4	33.0				
	180	040	10.2	8.36	6.89	5.62	4.86	4.34	3.74	3.00	2.51			
		050	12.8	11.1	9.6	8.9	8.4	8.0	7.5	6.1				
		063	25.3	21.6	18.8	17.3	16.4	15.6	14.7					
		080	108	78.5	64.7	52.8	45.6	40.7	35.1					
	210	040	10.2	8.72	7.18	5.86	5.07	4.53	3.91	3.15	2.67			
		050	12.8	11.5	10.0	9.2	8.7	8.3	7.8	6.4				
		063	25.3	22.6	19.7	18.1	17.1	16.3	15.4					
		080	108	82.0	67.5	55.1	47.7	42.6	36.8					
	240	040	10.2	9.02	7.43	6.06	5.25	4.69	4.05	3.27	2.79			
		050	12.8	11.9	10.4	9.6	9.0	8.6	8.1	6.6				
		063	25.3	23.4	20.4	18.8	17.7	16.9	15.9					
		080	108	84.9	70.0	57.1	49.4	44.2	38.2					
270	040	10.9	10.4	9.0	8.3	7.8	7.5	7.0	5.7	4.9				
	050	19.9	19.0	16.5	15.3	14.4	13.8	13.0	10.7					
	063	25.3	24.1	21.0	19.3	18.3	17.4	16.4						
	080	108	87.5	72.1	58.8	50.9	45.5	39.3						
300	040	10.9	10.6	9.2	8.5	8.0	7.7	7.2	5.9	5.1				
	050	19.9	19.5	17.0	15.6	14.8	14.1	13.3	11.0					
Option	Circular Pike and Rase drive	12	210	040	10.2	8.72	7.18	5.86	5.07	4.53	3.91	3.15	2.67	
				050	12.8	11.5	10.0	9.2	8.7	8.3	7.8	6.4		
				063	25.3	22.6	19.7	18.1	17.1	16.3	15.4			
				080	108	82.0	67.5	55.1	47.7	42.6	36.8			
		240	040	10.2	9.02	7.43	6.06	5.25	4.69	4.05	3.27	2.79		
			050	12.8	11.9	10.4	9.6	9.0	8.6	8.1	6.6			
	063		25.3	23.4	20.4	18.8	17.7	16.9	15.9					
	080		108	84.9	70.0	57.1	49.4	44.2	38.2					
	Table	270	040	10.9	10.4	9.0	8.3	7.8	7.5	7.0	5.7	4.9		
			050	19.9	19.0	16.5	15.3	14.4	13.8	13.0	10.7			
			063	25.3	24.1	21.0	19.3	18.3	17.4	16.4				
			080	108	87.5	72.1	58.8	50.9	45.5	39.3				
300		040	10.9	10.6	9.2	8.5	8.0	7.7	7.2	5.9	5.1			
		050	19.9	19.5	17.0	15.6	14.8	14.1	13.3	11.0				

Discontinue

Index series

● RGIS flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
12	300	063	63.6	53.0	43.7	35.7	30.9	27.6	23.9			
		080	152	102	84	69	60	53	46			
	330	040	10.9	10.7	9.4	8.7	8.2	7.8	7.4	6.0	5.2	
		050	19.9	19.6	17.4	16.0	15.1	14.4	13.6	11.2		
		063	63.6	53.4	44.7	36.5	31.6	28.2	24.4			
		080	152	103	86	70	61	54	47			
15	90	080	31.8	22.7	19.7	18.0	16.9	15.9	14.6			
	120	080	80.0	54.0	44.5	36.2	31.3	27.8	23.8			
	150	080	80.0	57.8	47.6	38.8	33.6	29.9	25.7			
	180	080	80.0	60.7	50.1	40.8	35.3	31.5	27.2			
	210	080	80.0	63.2	52.0	42.5	36.7	32.8	28.3			
	240	080	80.0	65.2	53.7	43.9	38.0	33.9	29.3			
	270	080	80.0	67.0	55.2	45.1	39.0	34.9	30.1			
	300	080	80.0	67.4	56.6	46.2	40.0	35.7	30.9			
	330	080	80.0	67.5	57.8	47.1	40.8	36.5	31.6			
16	90	080	31.8	23.1	20.1	18.4	17.2	16.3	14.9			
	120	080	31.8	25.6	22.2	20.4	19.2	18.2	17.0			
	150	080	31.8	27.3	23.7	21.8	20.6	19.6	18.3			
	180	080	80.0	61.4	50.6	41.3	35.7	31.9	27.5			
	210	080	80.0	63.7	52.5	42.9	37.1	33.1	28.6			
	240	080	80.0	65.8	54.2	44.2	38.3	34.2	29.6			
	270	080	80.0	67.3	55.7	45.4	39.3	35.2	30.4			
	300	080	80.0	67.5	57.0	46.5	40.3	36.0	31.1			
	330	080	80.0	67.6	58.2	47.5	41.1	36.8	31.8			

Product specifications

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

Pin and Plate drive

Option

Output torque table

Index series

● RGIS flange shaft (2 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						15	30	45	60	75	100	150	200	300	
Roller gear cam drive	Basic	16	120	040	16.1	11.1	9.6	8.9	8.3	8.0	7.5	6.1	5.1	3.8	
				050	19.9	13.8	12.0	11.1	10.5	10.0	9.4	8.5	7.5	5.6	
				063	63.6	37.4	30.8	25.1	21.7	19.4	16.7	13.3	11.1		
				080	152	72.2	59.4	48.5	41.9	37.3	32.0	25.4	20.9		
		040	30.6	19.0	15.7	12.8	11.1	9.9	8.6	6.9	5.9	4.6			
		050	50.1	33.1	27.3	22.2	19.3	17.2	14.9	12.0	10.3	8.0			
		063	85.1	55.6	45.8	37.4	32.4	28.9	25.0	20.2	17.2				
		080	164	127	110	96	83	75	64	52	44				
		040	30.6	20.6	17.0	13.8	12.0	10.7	9.3	7.5	6.4	5.1			
		050	50.1	35.7	29.4	24.0	20.8	18.6	16.1	13.0	11.2	8.9			
		063	119	68.5	56.5	46.1	39.9	35.7	30.8	25.0	21.4				
		080	242	179	148	120	104	93	81	65	56				
	040	30.6	21.8	17.9	14.6	12.7	11.3	9.8	8.0	6.9	5.5				
	050	50.1	37.7	31.1	25.4	22.0	19.6	17.0	13.8	11.9	9.5				
	063	119	72.5	59.8	48.8	42.2	37.8	32.7	26.6	22.8					
	080	242	190	156	128	110	99	85	69	60					
	040	30.6	22.8	18.8	15.3	13.3	11.9	10.3	8.4	7.2	5.8				
	050	50.1	39.4	32.5	26.5	23.0	20.5	17.8	14.5	12.5	10.0				
	063	119	75.8	62.5	51.0	44.1	39.5	34.2	27.8	24.0					
	080	242	198	163	133	115	103	89	73	63					
	040	30.6	23.5	19.4	15.9	13.7	12.3	10.6	8.7	7.5	6.0				
	050	50.1	40.7	33.7	27.5	23.8	21.3	18.4	15.0	13.0	10.5				
	063	119	78.3	64.7	52.9	45.8	40.9	35.4	28.9	24.9					
	080	242	205	169	138	120	107	92.6	75.4	65.1					
040	30.6	23.7	20.0	16.4	14.2	12.7	11.0	8.9	7.7	6.2					
050	50.1	41.1	34.7	28.3	24.5	21.9	19.0	15.5	13.4	10.8					
063	119	79.0	66.7	54.5	47.2	42.2	36.5	29.8	25.7						
080	262	252	222	181	157	140	121	99	86						
040	30.6	23.9	20.6	16.8	14.5	13.0	11.3	9.2	7.9	6.4					
050	50.1	41.3	35.6	29.1	25.2	22.5	19.5	15.9	13.7	11.1					
063	119	79.5	68.5	55.9	48.4	43.3	37.5	30.6	26.4						
080	262	253	228	186	161	144	125	102	88						
Parallel cam drive	Basic	18	120	040	10.9	7.88	6.85	6.31	5.95	5.68	5.33	4.29	3.59	2.60	
				050	37.9	22.3	18.4	15.0	13.0	11.6	10.0	8.0	6.8	5.0	
				063	85.1	52.3	43.1	35.2	30.4	27.2	23.4	18.8	15.9		
				080	152	75.8	62.5	50.9	44.0	39.3	33.8	26.9	22.3		
		040	10.9	8.71	7.58	6.99	6.59	6.29	5.93	4.81	4.09	3.12			
		050	37.9	24.6	20.3	16.6	14.3	12.8	11.1	9.0	7.6	5.9			
		063	85.1	57.8	47.7	38.9	33.7	30.1	26.0	21.0	17.9				
		080	164	132	115	100	87	78	67	54	46				
		040	30.6	21.2	17.5	14.3	12.4	11.1	9.6	7.8	6.7	5.3			
		050	51.5	36.8	30.3	24.8	21.4	19.2	16.6	13.5	11.6	9.2			
		063	85.1	62.0	51.1	41.7	36.1	32.3	27.9	22.7	19.4				
		080	164	141	123	108	93	83	72	58	50				
	040	30.6	22.4	18.4	15.1	13.0	11.7	10.1	8.2	7.1	5.7				
	050	51.5	38.8	31.9	26.1	22.6	20.2	17.5	14.2	12.3	9.8				
	063	85.1	65.3	53.8	43.9	38.0	34.0	29.4	23.9	20.6					
	080	164	149	130	113	98	88	76	62	53					
	040	30.6	23.3	19.2	15.7	13.6	12.1	10.5	8.6	7.4	5.9				
	050	51.5	40.4	33.3	27.2	23.5	21.0	18.2	14.8	12.8	10.3				
	063	85.1	68.1	56.1	45.8	39.6	35.4	30.7	25.0	21.5					
	080	164	155	135	118	102	91	79	64	56					
	040	30.6	23.7	19.9	16.2	14.1	12.6	10.9	8.9	7.7	6.2				
	050	51.5	41.1	34.4	28.1	24.3	21.7	18.8	15.3	13.3	10.7				
	Option	Circular Pike and Rase drive	18	210	040	30.6	22.4	18.4	15.1	13.0	11.7	10.1	8.2	7.1	5.7
					050	51.5	38.8	31.9	26.1	22.6	20.2	17.5	14.2	12.3	9.8
063					85.1	65.3	53.8	43.9	38.0	34.0	29.4	23.9	20.6		
080					164	149	130	113	98	88	76	62	53		
040			30.6	23.3	19.2	15.7	13.6	12.1	10.5	8.6	7.4	5.9			
050			51.5	40.4	33.3	27.2	23.5	21.0	18.2	14.8	12.8	10.3			
Linear		18	240	040	30.6	23.3	19.2	15.7	13.6	12.1	10.5	8.6	7.4	5.9	
				050	51.5	40.4	33.3	27.2	23.5	21.0	18.2	14.8	12.8	10.3	
				063	85.1	68.1	56.1	45.8	39.6	35.4	30.7	25.0	21.5		
				080	164	155	135	118	102	91	79	64	56		
		040	30.6	23.7	19.9	16.2	14.1	12.6	10.9	8.9	7.7	6.2			
		050	51.5	41.1	34.4	28.1	24.3	21.7	18.8	15.3	13.3	10.7			

Discontinue

Index series

● RGIS flange shaft (2 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
				Input shaft rotational speed (rpm)									
				15	30	45	60	75	100	150	200	300	
18	270	063	85.1	69.3	58.0	47.4	41.0	36.7	31.7	25.8	22.3		
		080	164	158	140	122	106	95	82	67	58		
	300	040	30.6	23.9	20.4	16.7	14.5	12.9	11.2	9.1	7.9	6.4	
		050	51.5	41.4	35.4	28.9	25.0	22.4	19.4	15.8	13.6	11.1	
		063	85.1	69.8	59.7	48.7	42.2	37.7	32.6	26.6	23.0		
		080	164	159	144	126	109	97	84	69	59		
	330	040	30.6	24.1	21.0	17.1	14.8	13.3	11.5	9.4	8.1	6.6	
		050	51.5	41.6	36.2	29.6	25.6	22.9	19.8	16.2	14.0	11.4	
		063	85.1	70.2	61.1	49.9	43.2	38.7	33.5	27.3	23.6		
		080	164	160	147	129	112	100	86	70	61		
	20	90	040	10.2	6.53	5.37	4.38	3.77	3.35	2.86	2.20	1.71	0.87
			050	19.9	13.1	11.4	10.5	9.8	9.3	8.7	7.0	5.8	4.0
063			25.3	16.5	14.3	13.2	12.4	11.8	11.0	9.7	8.2		
080			108	59.6	49.1	40.0	34.5	30.7	26.2	20.3	16.0		
120		040	10.9	8.19	7.13	6.57	6.19	5.91	5.55	4.48	3.77	2.77	
		050	37.9	23.2	19.1	15.6	13.5	12.0	10.4	8.4	7.1	5.3	
		063	63.6	40.9	33.7	27.5	23.8	21.2	18.3	14.7	12.3		
		080	152	78.9	65.0	53.0	45.8	40.9	35.2	28.1	23.4		
150		040	10.9	8.99	7.82	7.21	6.80	6.50	6.12	4.97	4.23	3.26	
		050	37.9	25.4	20.9	17.1	14.8	13.2	11.4	9.2	7.9	6.2	
		063	63.6	44.8	37.0	30.2	26.1	23.3	20.1	16.3	13.8		
		080	152	86.5	71.3	58.2	50.3	45.0	38.8	31.3	26.5		
180		040	10.9	9.59	8.35	7.69	7.26	6.94	6.54	5.33	4.57	3.59	
		050	37.9	27.1	22.3	18.2	15.8	14.1	12.2	9.9	8.5	6.7	
		063	63.6	47.8	39.4	32.2	27.8	24.9	21.5	17.4	14.9		
		080	152	92.3	76.1	62.1	53.7	48.0	41.5	33.6	28.7		
210		040	10.9	10.1	8.8	8.1	7.6	7.3	6.9	5.6	4.8	3.8	
		050	37.9	28.4	23.4	19.1	16.5	14.8	12.8	10.4	9.0	7.2	
		063	63.6	50.2	41.4	33.8	29.2	26.1	22.6	18.4	15.8		
		080	164	152	132	116	100	90	78	63	54		
240		040	10.9	10.4	9.1	8.4	7.9	7.6	7.1	5.8	5.0	4.0	
		050	37.9	29.4	24.3	19.8	17.2	15.4	13.3	10.8	9.3	7.5	
		063	63.6	52.0	43.0	35.1	30.4	27.2	23.5	19.1	16.5		
		080	164	158	138	120	104	93	81	66	57		
270	040	10.9	10.5	9.4	8.7	8.2	7.8	7.4	6.0	5.2	4.2		
	050	37.9	29.7	25.1	20.5	17.7	15.9	13.7	11.2	9.7	7.8		
	063	63.6	52.5	44.4	36.2	31.4	28.1	24.3	19.8	17.0			
	080	164	159	142	124	108	96	83	68	59			
300	040	10.9	10.6	9.7	8.9	8.4	8.0	7.6	6.2	5.4	4.3		
	050	37.9	29.8	25.8	21.0	18.2	16.3	14.1	11.5	9.9	8.0		
	063	85.1	70.2	60.7	49.5	42.9	38.3	33.2	27.1	23.4			
	080	164	160	146	128	111	99	86	70	60			
330	040	10.9	10.6	9.9	9.1	8.6	8.2	7.8	6.4	5.5	4.4		
	050	37.9	30.0	26.4	21.5	18.6	16.7	14.4	11.8	10.2	8.2		
	063	85.1	70.5	62.1	50.7	43.9	39.3	34.0	27.7	24.0			
	080	164	161	150	131	113	101	88	72	62			
24	90	040	7.19	5.14	4.23	3.45	2.97	2.64	2.25	1.72	1.34	0.65	
		050	12.8	9.31	8.10	7.45	7.02	6.69	6.26	4.98	4.09	2.72	
		063	25.3	17.8	15.5	14.3	13.4	12.8	11.9	10.7	9.1		
		080	80.0	48.3	39.8	32.4	27.9	24.8	21.2	16.4	12.9		
	120	040	7.19	5.77	4.75	3.87	3.35	2.98	2.56	2.03	1.67	1.10	
		050	12.8	10.4	9.1	8.4	7.9	7.5	7.1	5.7	4.8	3.6	
		063	25.3	20.2	17.6	16.2	15.3	14.6	13.7	12.4	11.0		
		080	108	73.3	60.4	49.3	42.6	38.0	32.7	26.2	22.0		

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Peak and Plate Drive

Linear

Option

Circular

Output torque table

Index series

● RGIS flange shaft (2 dwell)

Cam curve/MS

		Product specifications		Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
		Index number	Total index angle (deg)			Input shaft rotational speed (rpm)									
						15	30	45	60	75	100	150	200	300	
Roller gear cam drive	Standard	24	150	040	10.2	8.49	7.00	5.71	4.94	4.41	3.81	3.07	2.60	1.96	
				050	12.8	11.2	9.8	9.0	8.5	8.1	7.7	6.2	5.3	4.1	
				063	63.6	47.0	38.7	31.6	27.3	24.4	21.1	17.1	14.6		
				080	108	79.5	65.5	53.4	46.2	41.3	35.6	28.8	24.4		
		210	040	10.2	9.34	7.70	6.28	5.44	4.86	4.20	3.41	2.93	2.31		
			050	12.8	12.3	10.7	9.9	9.3	8.9	8.4	6.9	5.9	4.7		
			063	63.6	51.9	42.8	34.9	30.2	27.0	23.4	19.0	16.4			
			080	152	100	83	67	58	52	45	37	32			
		Table	240	040	10.2	9.47	7.96	6.50	5.63	5.03	4.35	3.54	3.04	2.42	
				050	12.8	12.5	11.1	10.2	9.7	9.2	8.7	7.1	6.1	4.9	
				063	63.6	52.7	44.3	36.2	31.3	28.0	24.2	19.7	17.0		
				080	152	102	86	70	60	54	47	38	33		
	Wide angle	270	040	10.2	9.51	8.19	6.69	5.79	5.18	4.48	3.65	3.14	2.51		
			050	37.9	29.9	25.8	21.1	18.2	16.3	14.1	11.5	9.9	8.0		
			063	63.6	53.0	45.6	37.3	32.3	28.8	25.0	20.3	17.6			
			080	152	102	88	72	62	56	48	39	34			
	Basic	300	040	10.2	9.55	8.40	6.86	5.94	5.31	4.59	3.74	3.22	2.59		
			050	37.9	30.1	26.4	21.6	18.7	16.7	14.5	11.8	10.2	8.3		
			063	63.6	53.2	46.8	38.2	33.1	29.6	25.6	20.9	18.0			
			080	152	103	90	74	64	57	49	40	35			
	Parallell cam drive	30	330	040	10.2	9.57	8.58	7.01	6.07	5.42	4.69	3.82	3.30	2.66	
				050	37.9	30.2	27.0	22.1	19.1	17.1	14.8	12.1	10.4	8.5	
				063	63.6	53.4	47.9	39.1	33.8	30.3	26.2	21.4	18.5		
				080	152	103	92	75	65	58	51	41	36		
Option		32	080	90	31.8	24.3	21.2	19.4	18.3	17.4	16.2	14.3	11.9		
				120	80.0	57.9	47.7	38.9	33.6	30.0	25.9	20.7	17.3		
				150	80.0	62.0	51.1	41.7	36.0	32.2	27.8	22.4	19.0		
				180	80.0	65.1	53.7	43.8	37.9	33.9	29.3	23.7	20.3		
				210	80.0	66.6	55.8	45.5	39.4	35.2	30.5	24.7	21.2		
				240	80.0	67.0	57.6	47.0	40.7	36.4	31.5	25.6	22.0		
				270	80.0	67.2	59.2	48.3	41.8	37.4	32.4	26.3	22.7		
				300	80.0	67.4	60.6	49.5	42.8	38.3	33.2	27.0	23.3		
Circular Pike and Rase drive	32	080	90	31.8	24.8	21.6	19.8	18.6	17.7	16.5	14.6	12.3			
			120	80.0	27.4	23.8	22.0	20.7	19.7	18.5	16.7	14.6			
			150	80.0	29.3	25.5	23.5	22.1	21.1	19.9	18.1	16.1			
			180	80.0	65.8	54.2	44.2	38.3	34.2	29.6	24.0	20.5			
			210	80.0	66.8	56.3	46.0	39.8	35.6	30.8	25.0	21.5			
			240	80.0	67.1	58.1	47.4	41.1	36.7	31.8	25.8	22.2			
			270	80.0	67.3	59.7	48.7	42.2	37.7	32.6	26.6	22.9			
			300	80.0	67.5	61.1	49.9	43.2	38.6	33.4	27.2	23.5			
Option	32	080	330	80.0	67.6	62.4	50.9	44.1	39.4	34.1	27.8	24.0			

Discontinue

Index series

Product specifications

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

Output torque table

Index series

● RGIS flange shaft (3 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						10	20	30	40	50	70	100	140	200
Roller gear cam drive	Basic	24	150	040	10.9	8.73	7.59	7.00	6.60	6.31	5.82	4.84	4.02	3.21
				050	19.9	16.1	14.0	12.9	12.2	11.6	10.8	10.0	8.8	7.1
				063	85.1	57.9	47.7	39.0	33.7	30.1	25.4	21.1	17.6	14.2
				080	164	132	115	100	87	78	66	55	45	37
		24	180	040	30.6	21.4	17.7	14.4	12.5	11.2	9.4	7.9	6.6	5.4
				050	50.1	37.1	30.6	25.0	21.6	19.3	16.3	13.6	11.4	9.4
				063	85.1	62.5	51.5	42.1	36.4	32.6	27.5	22.9	19.2	15.7
				080	242	186	154	125	109	97	82	68	57	47
		24	210	040	30.6	22.7	18.7	15.3	13.2	11.8	10.0	8.3	7.0	5.8
				050	50.1	39.3	32.4	26.4	22.9	20.5	17.3	14.4	12.1	10.0
				063	85.1	66.2	54.5	44.5	38.6	34.5	29.1	24.3	20.4	16.8
				080	242	197	163	133	115	103	87	72	61	50
	24	240	040	30.6	23.2	19.5	15.9	13.8	12.3	10.4	8.7	7.3	6.1	
			050	50.1	40.2	33.8	27.6	23.9	21.4	18.1	15.1	12.7	10.5	
			063	85.1	67.8	57.0	46.5	40.3	36.0	30.4	25.4	21.4	17.7	
			080	262	246	216	177	153	137	115	96	81	67	
	24	270	040	30.6	23.5	20.3	16.5	14.3	12.8	10.8	9.0	7.6	6.3	
			050	50.1	40.7	35.1	28.6	24.8	22.2	18.7	15.6	13.2	11.0	
			063	85.1	68.6	58.1	48.3	41.8	37.4	31.6	26.4	22.2	18.4	
			080	262	249	224	183	159	142	120	100	84	70	
	24	300	040	30.6	23.7	20.9	17.0	14.8	13.2	11.1	9.3	7.9	6.5	
			050	50.1	41.1	36.1	29.5	25.5	22.8	19.3	16.1	13.6	11.3	
			063	85.1	69.2	60.9	49.7	43.1	38.5	32.5	27.2	22.9	19.0	
			080	262	252	231	189	163	146	123	103	87	72	
24	330	040	30.6	23.9	21.4	17.5	15.1	13.5	11.4	9.6	8.1	6.7		
		050	50.1	41.3	37.1	30.3	26.2	23.4	19.8	16.6	14.0	11.6		
		063	85.1	69.7	62.5	51.0	44.2	39.5	33.4	27.9	23.5	19.6		
		080	262	253	237	194	168	150	127	106	89	74		
Parallel cam drive	Basic	120	040	10.9	8.53	7.43	6.84	6.45	6.17	5.69	4.71	3.89	3.10	
			050	22.8	17.9	15.6	14.3	13.5	12.6	10.6	8.8	7.3	5.8	
			063	63.6	42.6	35.1	28.6	24.8	22.1	18.6	15.4	12.7	10.0	
			080	152	82.2	67.7	55.2	47.8	42.7	35.9	29.6	24.3	18.8	
	150	040	10.9	9.36	8.15	7.51	7.09	6.77	6.26	5.20	4.34	3.51		
		050	37.9	26.4	21.8	17.8	15.4	13.8	11.6	9.7	8.1	6.6		
		063	85.1	62.1	51.2	41.8	36.2	32.3	27.3	22.7	19.0	15.5		
		080	152	90.1	74.3	60.6	52.5	46.9	39.5	32.8	27.2	21.8		
	180	040	10.9	9.99	8.69	8.01	7.56	7.23	6.68	5.57	4.67	3.82		
		050	37.9	28.2	23.2	19.0	16.4	14.7	12.4	10.3	8.7	7.1		
		063	85.1	66.3	54.6	44.6	38.6	34.5	29.1	24.3	20.4	16.8		
		080	152	96.1	79.2	64.7	56.0	50.0	42.2	35.1	29.4	23.9		
210	040	10.9	10.3	9.1	8.4	7.9	7.6	7.0	5.9	4.9	4.1			
	050	37.9	29.1	24.4	19.9	17.2	15.4	13.0	10.9	9.1	7.6			
	063	85.1	68.4	57.3	46.8	40.5	36.2	30.6	25.5	21.5	17.8			
	080	164	156	138	121	105	93	79	66	55	46			
240	040	10.9	10.4	9.5	8.7	8.3	7.9	7.3	6.1	5.1	4.2			
	050	37.9	29.4	25.3	20.7	17.9	16.0	13.5	11.3	9.5	7.9			
	063	85.1	69.2	59.6	48.6	42.1	37.7	31.8	26.6	22.4	18.6			
	080	164	158	143	125	109	97	82	69	58	48			
270	040	10.9	10.5	9.8	9.0	8.5	8.1	7.5	6.3	5.3	4.4			
	050	37.9	29.7	26.1	21.3	18.5	16.5	14.0	11.7	9.8	8.2			
	063	85.1	69.8	61.5	50.2	43.5	38.9	32.8	27.4	23.1	19.2			
	080	164	159	148	130	112	100	85	71	60	50			
300	040	10.9	10.6	10.1	9.3	8.8	8.4	7.7	6.5	5.5	4.5			
	050	37.9	29.8	26.8	21.9	19.0	17.0	14.3	12.0	10.1	8.4			
Option	Linear, Circular, Pin and Plate drive	30	240	040	10.9	10.4	9.5	8.7	8.3	7.9	7.3	6.1	5.1	4.2
				050	37.9	29.4	25.3	20.7	17.9	16.0	13.5	11.3	9.5	7.9
				063	85.1	69.2	59.6	48.6	42.1	37.7	31.8	26.6	22.4	18.6
				080	164	158	143	125	109	97	82	69	58	48
	270	040	10.9	10.5	9.8	9.0	8.5	8.1	7.5	6.3	5.3	4.4		
		050	37.9	29.7	26.1	21.3	18.5	16.5	14.0	11.7	9.8	8.2		
		063	85.1	69.8	61.5	50.2	43.5	38.9	32.8	27.4	23.1	19.2		
		080	164	159	148	130	112	100	85	71	60	50		
	300	040	10.9	10.6	10.1	9.3	8.8	8.4	7.7	6.5	5.5	4.5		
		050	37.9	29.8	26.8	21.9	19.0	17.0	14.3	12.0	10.1	8.4		

Discontinue

Index series

● RGIS flange shaft (3 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	20	30	40	50	70	100	140	200
30	300	063	85.1	70.2	63.2	51.6	44.7	39.9	33.7	28.2	23.8	19.8
		080	164	160	152	133	115	103	87	73	61	51
	330	040	10.9	10.6	10.3	9.5	9.0	8.6	7.9	6.6	5.6	4.7
		050	37.9	30.0	27.5	22.4	19.4	17.4	14.7	12.3	10.4	8.6
		063	85.1	70.5	64.7	52.8	45.7	40.9	34.6	28.9	24.4	20.3
		080	164	161	156	136	118	106	89	75	63	52
36	90	040	7.19	5.36	4.41	3.60	3.10	2.76	2.30	1.86	1.44	0.94
		050	13.1	8.87	7.31	5.96	5.15	4.58	3.83	3.11	2.45	1.68
		063	16.4	12.3	10.7	9.9	9.3	8.8	8.1	6.6	5.1	3.4
		080	80.0	50.3	41.4	33.8	29.2	26.0	21.7	17.6	13.8	9.4
	120	040	10.2	8.21	6.76	5.52	4.77	4.26	3.59	2.96	2.43	1.88
		050	12.8	10.9	9.5	8.7	8.2	7.9	7.3	6.0	5.0	3.9
		063	25.3	21.1	18.3	16.9	15.9	15.2	14.2	13.1	11.3	8.9
		080	108	76.4	62.9	51.3	44.4	39.7	33.4	27.6	22.7	17.7
	150	040	10.2	8.85	7.29	5.95	5.15	4.60	3.88	3.22	2.67	2.14
		050	12.8	11.7	10.2	9.4	8.9	8.5	7.8	6.5	5.4	4.4
		063	63.6	48.9	40.3	32.9	28.5	25.5	21.5	17.9	14.9	12.1
		080	108	82.7	68.2	55.7	48.2	43.0	36.3	30.2	25.1	20.2
	180	040	10.2	9.30	7.69	6.28	5.44	4.86	4.10	3.41	2.85	2.32
		050	12.8	12.3	10.7	9.9	9.3	8.9	8.3	6.9	5.8	4.7
		063	63.6	51.6	42.7	34.8	30.2	27.0	22.8	19.0	15.9	13.1
		080	108	87.3	72.2	58.9	51.0	45.6	38.5	32.0	26.8	21.9
	210	040	10.2	9.40	8.02	6.55	5.67	5.07	4.28	3.56	2.99	2.45
		050	12.8	12.4	11.2	10.3	9.7	9.3	8.6	7.2	6.0	5.0
		063	63.6	52.2	44.6	36.4	31.5	28.2	23.8	19.9	16.7	13.8
		080	152	101	86	70	61	54	46	38	32	26
	240	040	10.2	9.47	8.29	6.77	5.86	5.24	4.43	3.69	3.10	2.56
		050	12.8	12.5	11.6	10.7	10.1	9.6	8.9	7.4	6.3	5.2
		063	63.6	52.7	46.2	37.7	32.6	29.2	24.6	20.6	17.3	14.4
		080	152	102	89	73	63	56	48	40	33	28
270	040	10.2	9.51	8.53	6.97	6.03	5.39	4.55	3.80	3.20	2.65	
	050	12.8	12.6	11.9	11.0	10.4	9.9	9.2	7.7	6.5	5.4	
	063	63.6	53.0	47.5	38.8	33.6	30.0	25.4	21.2	17.9	14.8	
	080	152	102	92	75	65	58	49	41	34	29	
300	040	10.2	9.55	8.74	7.14	6.18	5.53	4.67	3.90	3.28	2.72	
	050	12.8	12.6	12.2	11.2	10.6	10.2	9.4	7.8	6.6	5.5	
	063	63.6	53.2	48.7	39.8	34.5	30.8	26.0	21.8	18.4	15.3	
	080	152	103	94	77	67	60	50	42	35	29	
330	040	10.2	9.57	8.94	7.30	6.32	5.65	4.77	3.99	3.36	2.79	
	050	12.8	12.6	12.5	11.5	10.8	10.4	9.6	8.0	6.8	5.6	
	063	63.6	53.4	49.8	40.7	35.2	31.5	26.6	22.3	18.8	15.6	
	080	152	103	96	79	68	61	51	43	36	30	
48	90	080	31.8	25.8	22.5	20.7	19.5	18.6	17.2	15.6	13.1	9.3
	120	080	31.8	28.5	24.8	22.9	21.6	20.6	19.2	17.6	15.2	11.8
	150	080	31.8	30.5	26.5	24.4	23.1	22.0	20.5	19.0	16.5	13.2
	180	080	80.0	66.3	56.5	46.1	39.9	35.7	30.1	25.1	21.0	17.1
	210	080	80.0	66.8	58.6	47.9	41.4	37.1	31.3	26.1	21.9	18.0
	240	080	80.0	67.1	60.5	49.4	42.8	38.2	32.3	27.0	22.7	18.7
	270	080	80.0	67.3	62.1	50.7	43.9	39.3	33.2	27.7	23.3	19.3
	300	080	80.0	67.5	63.6	51.9	45.0	40.2	34.0	28.4	23.9	19.9
	330	080	80.0	67.6	64.0	53.0	45.9	41.1	34.7	29.0	24.4	20.3

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Pike and
Piercam drive

Linear

Circular

Option

Output torque table

Index series

● RGIS flange shaft (4 dwell)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						10	15	20	30	40	50	75	100	150	
Roller gear cam drive	Standard	32	180	040	10.9	9.16	8.44	7.97	7.34	6.93	6.62	5.41	4.66	3.72	
				050	50.1	36.1	31.5	27.3	22.3	19.3	17.2	14.0	12.1	9.8	
				063	85.1	60.8	53.0	45.9	37.5	32.5	29.0	23.6	20.3	16.3	
				080	164	138	128	118	97	84	75	61	52	42	
		210	040	30.6	22.0	19.2	16.7	13.6	11.8	10.5	8.6	7.4	6.0		
			050	50.1	38.2	33.3	28.9	23.6	20.4	18.2	14.9	12.8	10.4		
			063	85.1	64.3	56.1	48.6	39.7	34.4	30.7	25.0	21.6	17.4		
			080	242	192	167	145	118	102	92	75	64	52		
		240	040	30.6	23.0	20.1	17.4	14.2	12.3	11.0	9.0	7.8	6.3		
			050	50.1	39.9	34.8	30.2	24.6	21.3	19.1	15.5	13.4	10.9		
			063	85.1	67.2	58.7	50.8	41.5	35.9	32.1	26.2	22.6	18.3		
			080	262	244	223	193	157	136	122	99	86	70		
	270	040	30.6	23.5	20.8	18.1	14.7	12.8	11.4	9.3	8.0	6.5			
		050	50.1	40.7	36.1	31.2	25.5	22.1	19.8	16.1	13.9	11.3			
		063	85.1	68.6	60.8	52.7	43.0	37.2	33.3	27.2	23.5	19.0			
		080	262	249	231	200	163	141	126	103	89	72			
	300	040	30.6	23.7	21.5	18.6	15.2	13.2	11.8	9.6	8.3	6.7			
		050	50.1	41.1	37.2	32.2	26.3	22.8	20.4	16.6	14.4	11.7			
		063	85.1	69.2	62.7	54.3	44.3	38.4	34.3	28.0	24.2	19.7			
		080	262	252	238	206	168	146	130	106	92	75			
	330	040	30.6	23.9	22.0	19.1	15.6	13.5	12.1	9.8	8.5	6.9			
		050	50.1	41.3	38.0	33.0	27.0	23.4	20.9	17.0	14.7	12.0			
		063	85.1	69.7	64.3	55.7	45.5	39.4	35.2	28.7	24.9	20.2			
		080	262	253	244	211	173	149	134	109	94	77			
Parallel cam drive	Basic	36	150	040	10.9	8.82	8.13	7.67	7.07	6.67	6.37	5.20	4.46	3.54	
				050	37.9	24.9	21.8	18.8	15.4	13.3	11.9	9.7	8.3	6.6	
				063	63.6	44.0	38.4	33.3	27.1	23.5	21.0	17.0	14.6	11.6	
				080	152	84.9	74.1	64.2	52.3	45.3	40.4	32.8	28.1	22.0	
		180	040	30.6	21.5	18.8	16.3	13.3	11.5	10.3	8.4	7.2	5.8		
			050	51.5	37.3	32.5	28.2	23.0	19.9	17.8	14.5	12.5	10.1		
			063	85.1	62.7	54.8	47.4	38.7	33.5	30.0	24.4	21.0	16.9		
			080	164	143	132	122	100	86	77	63	54	44		
		210	040	30.6	22.6	19.8	17.1	14.0	12.1	10.8	8.8	7.6	6.2		
			050	51.5	39.2	34.2	29.6	24.2	21.0	18.7	15.3	13.2	10.7		
			063	85.1	66.1	57.7	50.0	40.8	35.3	31.6	25.7	22.2	17.9		
			080	164	151	139	129	105	91	81	66	57	46		
	240	040	30.6	23.5	20.6	17.8	14.6	12.6	11.3	9.2	7.9	6.4			
		050	51.5	40.7	35.7	30.9	25.2	21.8	19.5	15.9	13.8	11.2			
		063	85.1	68.6	60.1	52.1	42.5	36.8	32.9	26.8	23.2	18.8			
		080	164	156	145	134	110	95	85	69	60	48			
	270	040	30.6	23.7	21.3	18.4	15.1	13.0	11.7	9.5	8.2	6.7			
		050	51.5	41.1	36.9	31.9	26.1	22.6	20.2	16.5	14.2	11.6			
		063	85.1	69.3	62.2	53.8	44.0	38.1	34.0	27.8	24.0	19.5			
		080	164	158	150	139	113	98	88	72	62	50			
	300	040	30.6	23.9	21.9	19.0	15.5	13.4	12.0	9.8	8.5	6.9			
		050	51.5	41.4	37.9	32.8	26.8	23.2	20.8	16.9	14.7	11.9			
		063	85.1	69.8	64.0	55.4	45.2	39.2	35.0	28.6	24.7	20.1			
		080	164	159	154	143	117	101	90	74	64	52			
330	040	30.6	24.1	22.5	19.5	15.9	13.8	12.3	10.0	8.7	7.1				
	050	51.5	41.6	38.8	33.6	27.5	23.8	21.3	17.4	15.0	12.2				
	063	85.1	70.2	65.5	56.8	46.3	40.1	35.9	29.3	25.3	20.6				
	080	164	160	158	146	120	104	93	76	65	53				
Option	Circular Pike and Rase drive	36	270	040	30.6	23.7	21.3	18.4	15.1	13.0	11.7	9.5	8.2	6.7	
				050	51.5	41.1	36.9	31.9	26.1	22.6	20.2	16.5	14.2	11.6	
				063	85.1	69.3	62.2	53.8	44.0	38.1	34.0	27.8	24.0	19.5	
				080	164	158	150	139	113	98	88	72	62	50	
		300	040	30.6	23.9	21.9	19.0	15.5	13.4	12.0	9.8	8.5	6.9		
			050	51.5	41.4	37.9	32.8	26.8	23.2	20.8	16.9	14.7	11.9		
	063		85.1	69.8	64.0	55.4	45.2	39.2	35.0	28.6	24.7	20.1			
	080		164	159	154	143	117	101	90	74	64	52			
	Linear	36	330	040	30.6	24.1	22.5	19.5	15.9	13.8	12.3	10.0	8.7	7.1	
				050	51.5	41.6	38.8	33.6	27.5	23.8	21.3	17.4	15.0	12.2	
				063	85.1	70.2	65.5	56.8	46.3	40.1	35.9	29.3	25.3	20.6	
				080	164	160	158	146	120	104	93	76	65	53	

Discontinue

Index series

● RGIS flange shaft (4 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	15	20	30	40	50	75	100	150
40	150	040	10.9	9.10	8.39	7.92	7.30	6.88	6.58	5.37	4.62	3.67
		050	37.9	25.7	22.4	19.4	15.9	13.7	12.3	10.0	8.6	6.9
		063	63.6	45.4	39.6	34.3	28.0	24.2	21.6	17.6	15.1	12.0
		080	152	87.6	76.4	66.2	54.0	46.7	41.7	33.9	29.0	22.9
	180	040	10.9	9.70	8.95	8.44	7.78	7.35	7.02	5.74	4.95	3.97
		050	37.9	27.4	23.9	20.7	16.9	14.6	13.1	10.7	9.2	7.4
		063	85.1	64.4	56.2	48.7	39.7	34.4	30.7	25.0	21.6	17.4
		080	164	147	135	126	102	89	79	65	56	45
	210	040	10.9	10.2	9.4	8.9	8.2	7.7	7.4	6.0	5.2	4.2
		050	37.9	28.7	25.1	21.7	17.7	15.3	13.7	11.2	9.7	7.8
		063	85.1	67.6	59.0	51.1	41.7	36.1	32.3	26.3	22.7	18.4
		080	164	154	142	132	108	93	83	68	59	47
	240	040	10.9	10.4	9.8	9.2	8.5	8.0	7.7	6.3	5.4	4.4
		050	37.9	29.4	26.0	22.6	18.4	15.9	14.3	11.6	10.1	8.2
		063	85.1	69.2	61.3	53.1	43.3	37.5	33.6	27.4	23.6	19.2
		080	164	158	148	137	112	97	87	71	61	49
	270	040	10.9	10.5	10.1	9.5	8.8	8.3	7.9	6.5	5.6	4.5
		050	37.9	29.7	26.9	23.3	19.0	16.5	14.7	12.0	10.4	8.4
		063	85.1	69.8	63.3	54.8	44.7	38.7	34.6	28.3	24.4	19.8
		080	164	159	152	141	115	100	89	73	63	51
	300	040	10.9	10.6	10.4	9.8	9.0	8.5	8.1	6.7	5.8	4.7
		050	37.9	29.8	27.6	23.9	19.5	16.9	15.1	12.3	10.7	8.7
		063	85.1	70.2	65.0	56.3	46.0	39.8	35.6	29.0	25.1	20.4
		080	164	160	157	145	119	103	92	75	65	53
330	040	10.9	10.6	10.6	10.0	9.2	8.7	8.3	6.8	5.9	4.8	
	050	37.9	30.0	28.3	24.5	20.0	17.3	15.5	12.6	10.9	8.9	
	063	85.1	70.5	66.6	57.6	47.1	40.8	36.4	29.7	25.7	20.9	
	080	164	161	160	149	121	105	94	77	66	54	
48	120	040	10.2	7.98	6.96	6.03	4.92	4.25	3.79	3.07	2.61	2.01
		050	12.8	10.6	9.7	9.2	8.5	8.0	7.6	6.2	5.3	4.2
		063	25.3	20.5	18.9	17.8	16.4	15.5	14.8	13.5	12.1	9.5
		080	80.0	55.4	48.3	41.8	34.1	29.5	26.3	21.2	18.0	13.7
	150	040	10.2	8.60	7.50	6.50	5.30	4.59	4.10	3.32	2.85	2.25
		050	12.8	11.4	10.5	9.9	9.1	8.6	8.2	6.7	5.8	4.6
		063	63.6	47.5	41.5	35.9	29.3	25.4	22.7	18.4	15.9	12.7
		080	108	80.4	70.2	60.8	49.6	42.9	38.3	31.1	26.7	21.1
	180	040	10.2	9.07	7.92	6.86	5.60	4.84	4.33	3.52	3.03	2.42
		050	12.8	12.0	11.1	10.4	9.6	9.1	8.7	7.1	6.1	4.9
		063	63.6	50.3	43.9	38.0	31.0	26.9	24.0	19.6	16.9	13.6
		080	108	85.1	74.3	64.3	52.5	45.5	40.6	33.0	28.5	22.8
	210	040	10.2	9.40	8.25	7.15	5.83	5.05	4.51	3.67	3.17	2.55
		050	12.8	12.4	11.5	10.9	10.0	9.5	9.0	7.4	6.4	5.2
		063	63.6	52.2	45.9	39.7	32.4	28.1	25.1	20.5	17.7	14.3
		080	152	101	89	77	63	54	48	39	34	27
	240	040	10.2	9.47	8.54	7.39	6.03	5.22	4.67	3.81	3.28	2.65
		050	12.8	12.5	11.9	11.2	10.4	9.8	9.4	7.7	6.6	5.4
		063	63.6	52.7	47.5	41.1	33.6	29.1	26.0	21.2	18.3	14.8
		080	152	102	92	79	65	56	50	41	35	29
	270	040	10.2	9.51	8.78	7.60	6.21	5.38	4.81	3.92	3.38	2.74
		050	12.8	12.6	12.2	11.6	10.7	10.1	9.6	7.9	6.8	5.5
		063	63.6	53.0	48.9	42.4	34.6	29.9	26.8	21.8	18.9	15.3
		080	152	102	94	82	67	58	52	42	36	30
300	040	10.2	9.55	9.00	7.79	6.36	5.51	4.93	4.02	3.47	2.81	
	050	12.8	12.6	12.6	11.8	10.9	10.3	9.9	8.1	7.0	5.7	

Product specifications

Compact

Standard

Roller gear cam drive

Table

Wide angle

Basic

Parallel cam drive

Flat and
Preset
Linear
Circular

Option

Output torque table

Index series

● RGIS flange shaft (4 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	15	20	30	40	50	75	100	150
48	300	063	63.6	53.2	50.2	43.4	35.5	30.7	27.5	22.4	19.4	15.8
		080	152	103	97	84	68	59	53	43	37	30
	330	040	10.2	9.57	9.06	7.97	6.50	5.63	5.03	4.11	3.55	2.88
		050	12.8	12.6	12.6	12.1	11.2	10.5	10.1	8.3	7.1	5.8
		063	63.6	53.4	50.5	44.4	36.3	31.4	28.1	22.9	19.8	16.1
		080	152	103	98	86	70	61	54	44	38	31

Product specifications

Cam curve/MS

Roller gear cam drive

Parallel cam drive

Option

Linear

Circular

Pike and

Pase drive

Basic

Wide angle

Table

Standard

Compact

Discontinue

Index series

Product specifications

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

Output torque table

Oscillating series

● RGOS straight shaft

Cam curve/MS

		Product specifications		Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)							
								Input shaft rotational speed (rpm)							
								15	30	45	60	75	100	150	200
Roller gear cam drive	Compact	120	360	040	10.9	5.97	5.20	4.79	4.52	4.32	4.08	3.34	2.88	2.31	
				050	19.9	11.1	9.6	8.9	8.4	8.0	7.6	6.9	6.2		
				063	85.1	39.7	32.7	26.7	23.1	20.7	17.8	14.5			
				080	164	90.3	78.6	68.7	59.5	53.2	46.0	37.3			
	Standard	90	300	040	10.2	5.95	4.90	4.00	3.46	3.10	2.68	2.18	1.87	1.49	
				050	12.8	7.95	6.92	6.37	6.01	5.75	5.41	4.41	3.77		
				063	63.6	31.6	26.0	21.2	18.4	16.4	14.2	11.4	9.7		
				080	108	53.3	43.9	35.8	31.0	27.7	23.9	19.2			
	Wide angle	60	360	040	10.9	7.21	6.28	5.79	5.47	5.23	4.93	4.04	3.49	2.82	
				050	19.9	13.4	11.6	10.7	10.1	9.7	9.1	8.4	7.6	6.1	
				063	63.6	36.0	29.7	24.2	21.0	18.8	16.2	13.2	11.3		
				080	152	69.4	57.2	46.7	40.4	36.1	31.2	25.3	21.6		
Parallel cam drive	Basic	180	040	10.9	5.57	4.85	4.47	4.22	4.03	3.80	3.10	2.66	2.09		
			050	37.9	15.9	13.1	10.7	9.2	8.2	7.1	5.7	4.8			
			063	85.1	37.0	30.5	24.9	21.5	19.2	16.6	13.3				
			080	164	84.2	73.3	64.1	55.4	49.5	42.7	34.4				
	Table	240	040	41.6	22.0	18.1	14.8	12.8	11.4	9.9	8.1	7.0	5.6		
			050	67.0	36.5	30.1	24.6	21.3	19.0	16.5	13.4	11.5	9.2		
			063	119	52.5	43.3	35.3	30.6	27.3	23.6	19.2	16.4			
			080	262	167	144	117	102	91	78	64	55			
	Wide angle	300	040	41.6	25.3	20.8	17.0	14.7	13.2	11.4	9.3	8.1	6.5		
			050	67.0	42.0	34.6	28.2	24.5	21.9	18.9	15.4	13.3	10.8		
			063	129	94.9	82.6	72.3	62.6	56.0	48.4	39.5	34.0			
			080	262	192	165	135	117	105	90	74	63			
Basic	360	040	41.6	27.9	23.0	18.8	16.3	14.5	12.6	10.3	8.9	7.2			
		050	67.0	46.2	38.1	31.1	26.9	24.1	20.8	17.0	14.7	11.9			
		063	129	105	91	80	69	62	53	44	38				
		080	431	258	213	174	150	134	116	95	82				
Option	Linear	180	040	10.9	6.73	5.86	5.40	5.10	4.87	4.60	3.75	3.23	2.58		
			050	50.1	26.7	22.0	18.0	15.5	13.9	12.0	9.7	8.3	6.6		
			063	85.1	44.7	36.9	30.1	26.0	23.2	20.1	16.2	13.8			
			080	164	102	89	77	67	60	52	42	36			
	Circular	240	040	30.6	18.3	15.1	12.3	10.6	9.5	8.2	6.7	5.8	4.7		
			050	50.1	31.8	26.2	21.4	18.5	16.5	14.3	11.7	10.0	8.1		
			063	85.1	53.4	44.0	35.9	31.1	27.8	24.0	19.5	16.8			
			080	242	159	131	107	93	83	72	58	50			
	Pie and	300	040	30.6	20.4	16.8	13.7	11.9	10.6	9.2	7.5	6.5	5.3		
			050	50.1	35.4	29.2	23.9	20.7	18.5	16.0	13.0	11.3	9.1		
			063	85.1	59.6	49.1	40.1	34.7	31.1	26.9	21.9	18.9			
			080	242	178	146	120	104	93	80	65	56			
Phase drive	360	040	30.6	22.0	18.2	14.8	12.8	11.5	9.9	8.1	7.0	5.7			
		050	50.1	38.2	31.5	25.7	22.3	19.9	17.2	14.1	12.2	9.9			
		063	85.1	64.4	53.0	43.3	37.5	33.5	29.0	23.7	20.4				
		080	242	192	158	129	112	100	87	71	61				
Option	180	040	7.19	5.51	4.54	3.71	3.21	2.87	2.48	2.02	1.74	1.38			
		050	12.8	9.98	8.69	8.01	7.55	7.22	6.81	5.55	4.76	3.76			
		063	25.3	19.1	16.6	15.3	14.5	13.8	13.0	11.9	10.6				
		080	108	69.2	57.0	46.6	40.3	36.0	31.1	25.1	21.4				
	240	040	10.2	8.45	6.96	5.69	4.92	4.40	3.81	3.11	2.68	2.17			
		050	12.8	11.2	9.7	9.0	8.5	8.1	7.6	6.3	5.4	4.3			
		063	25.3	21.7	18.9	17.4	16.4	15.7	14.8	13.6	12.2				
		080	108	78.6	64.8	52.9	45.8	40.9	35.4	28.7	24.7				
	300	040	10.2	9.11	7.50	6.13	5.31	4.75	4.11	3.35	2.90	2.35			
		050	12.8	12.0	10.5	9.7	9.1	8.7	8.2	6.7	5.8	4.7			

Discontinue

Oscillating series

● RGOS straight shaft

Cam curve/MS

Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
30	300	063	25.3	23.5	20.4	18.9	17.8	17.0	16.0	14.8	13.3	
		080	108	85.2	70.2	57.3	49.6	44.4	38.4	31.2	26.9	
	360	040	10.2	9.30	7.92	6.46	5.60	5.01	4.34	3.54	3.06	2.49
		050	12.8	12.3	11.1	10.2	9.6	9.2	8.7	7.1	6.2	5.0
		063	25.3	24.1	21.6	20.0	18.8	18.0	17.0	15.6	14.1	
		080	108	87.3	74.3	60.7	52.5	47.0	40.7	33.1	28.6	

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
Wide angle	Basic
	Parallel cam drive
Pitch and Phase Error	Linear
	Circular
Option	

Output torque table

● RGOS flange shaft

Cam curve/MS

Product specifications		Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
						Input shaft rotational speed (rpm)									
						15	30	45	60	75	100	150	200	300	
Roller gear cam drive	Compact	120	360	040	10.9	5.97	5.19	4.79	4.51	4.31	4.05	3.26	2.75	2.02	
				050	19.9	11.1	9.6	8.9	8.4	8.0	7.5	6.9	6.1		
				063	85.1	39.7	32.7	26.7	23.1	20.6	17.8	14.3			
				080	164	90.2	78.5	68.7	59.4	53.1	45.8	37.0			
	Standard	90	300	040	10.2	5.95	4.90	3.99	3.45	3.08	2.64	2.10	1.73	1.18	
				050	12.8	7.94	6.91	6.37	6.00	5.73	5.38	4.33	3.63		
				063	63.6	31.6	26.0	21.2	18.3	16.4	14.1	11.3	9.5		
				080	108	53.3	43.9	35.8	30.9	27.6	23.7	18.9			
	Wide angle	60	360	040	10.9	7.21	6.28	5.78	5.46	5.21	4.91	3.98	3.39	2.60	
				050	19.9	13.3	11.6	10.7	10.1	9.7	9.1	8.3	7.5	5.8	
				063	63.6	36.0	29.7	24.2	21.0	18.7	16.2	13.1	11.1		
				080	152	69.4	57.2	46.7	40.4	36.1	31.1	25.1	21.2		
Basic	Table	180	040	10.9	5.57	4.84	4.46	4.19	3.99	3.73	2.95	2.40	1.51		
			050	37.9	15.9	13.1	10.7	9.2	8.2	7.0	5.6	4.6			
			063	85.1	37.0	30.5	24.9	21.5	19.2	16.5	13.1				
			080	164	84.2	73.3	64.0	55.3	49.3	42.4	33.7				
	Wide angle	240	040	41.6	22.0	18.1	14.8	12.8	11.4	9.9	8.0	6.8	5.3		
			050	67.0	36.5	30.1	24.6	21.3	19.0	16.4	13.3	11.4	8.9		
			063	119	52.5	43.3	35.3	30.6	27.3	23.6	19.0	16.2			
			080	262	167	144	117	101	91	78	63	54			
	Wide angle	300	040	41.6	25.3	20.8	17.0	14.7	13.2	11.4	9.3	8.0	6.3		
			050	67.0	42.0	34.6	28.2	24.4	21.9	18.9	15.4	13.2	10.6		
			063	129	94.9	82.6	72.3	62.6	55.9	48.4	39.4	33.9			
			080	262	192	165	135	117	104	90	73	63			
Wide angle	360	040	41.6	27.9	23.0	18.8	16.2	14.5	12.6	10.2	8.8	7.1			
		050	67.0	46.2	38.1	31.1	26.9	24.1	20.8	17.0	14.6	11.8			
		063	129	105	91	80	69	62	53	43	38				
		080	431	258	213	173	150	134	116	95	82				
Parallel cam drive	Basic	180	040	10.9	6.73	5.85	5.39	5.08	4.85	4.55	3.65	3.04	2.14		
			050	50.1	26.7	22.0	17.9	15.5	13.9	12.0	9.6	8.2	6.1		
			063	85.1	44.7	36.8	30.1	26.0	23.2	20.0	16.0	13.5			
			080	164	102	89	77	67	60	52	41	35			
	Wide angle	240	040	30.6	18.3	15.0	12.3	10.6	9.5	8.2	6.7	5.7	4.5		
			050	50.1	31.8	26.2	21.4	18.5	16.5	14.3	11.6	9.9	7.8		
			063	85.1	53.4	44.0	35.9	31.1	27.8	24.0	19.4	16.6			
			080	242	159	131	107	93	83	71	58	50			
	Wide angle	300	040	30.6	20.4	16.8	13.7	11.9	10.6	9.2	7.5	6.4	5.1		
			050	50.1	35.4	29.2	23.8	20.6	18.5	16.0	13.0	11.2	8.9		
			063	85.1	59.6	49.1	40.1	34.7	31.0	26.8	21.8	18.7			
			080	242	178	146	120	104	93	80	65	56			
Wide angle	360	040	30.6	22.0	18.2	14.8	12.8	11.5	9.9	8.1	7.0	5.6			
		050	50.1	38.2	31.5	25.7	22.3	19.9	17.2	14.0	12.1	9.8			
		063	85.1	64.4	53.0	43.3	37.5	33.5	29.0	23.6	20.3				
		080	242	192	158	129	112	100	87	70	61				
Option	Linear	180	040	7.19	5.51	4.54	3.70	3.20	2.85	2.45	1.95	1.61	1.09		
			050	12.8	9.98	8.68	8.00	7.54	7.20	6.77	5.48	4.63	3.47		
			063	25.3	19.1	16.6	15.3	14.4	13.8	12.9	11.8	10.4			
			080	108	69.2	57.0	46.5	40.2	35.9	30.9	24.8	20.8			
	Circular	240	040	10.2	8.45	6.96	5.68	4.92	4.39	3.79	3.07	2.61	2.01		
			050	12.8	11.2	9.7	9.0	8.5	8.1	7.6	6.2	5.3	4.2		
			063	25.3	21.7	18.9	17.4	16.4	15.7	14.8	13.5	12.1			
			080	108	78.6	64.8	52.9	45.7	40.9	35.3	28.6	24.4			
	Circular	300	040	10.2	9.10	7.50	6.12	5.30	4.74	4.10	3.32	2.85	2.25		
			050	12.8	12.0	10.5	9.7	9.1	8.7	8.2	6.7	5.8	4.6		

Discontinue

Oscillating series

● RGOS flange shaft

Cam curve/MS

Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
30	300	063	25.3	23.5	20.4	18.8	17.8	17.0	16.0	14.7	13.2	
		080	108	85.2	70.2	57.3	49.6	44.3	38.3	31.1	26.7	
	360	040	10.2	9.30	7.92	6.46	5.60	5.00	4.33	3.52	3.03	2.42
		050	12.8	12.3	11.1	10.2	9.6	9.2	8.7	7.1	6.1	4.9
		063	25.3	24.1	21.6	20.0	18.8	18.0	17.0	15.6	14.1	
		080	108	87.3	74.3	60.7	52.5	46.9	40.6	33.0	28.5	

Product specifications

Roller gear cam drive	Compact
	Standard
	Table
Wide angle	Basic
	Parallel cam drive
Pitch and Phase drive	Linear
	Circular
Option	