

# Standard type

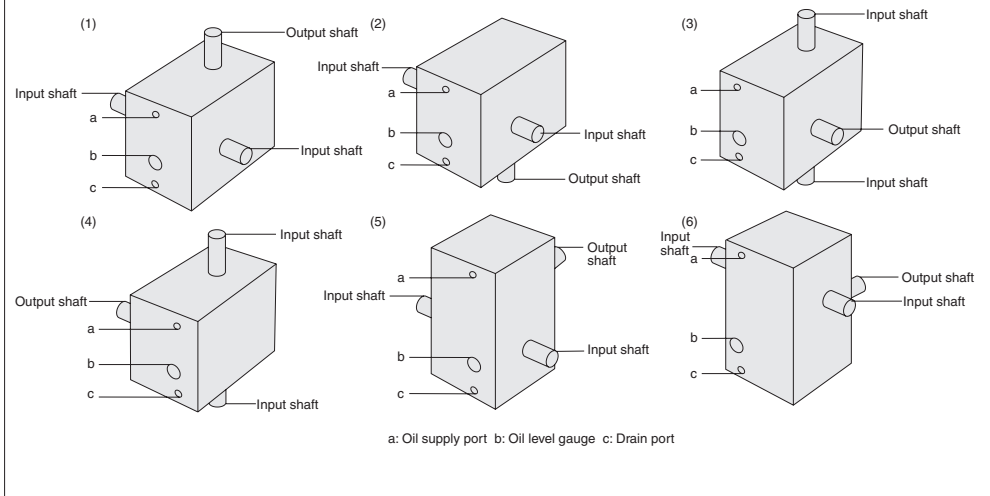
Index	<b>RG IS</b>	<b>040 to 450</b>
Oscillator	<b>RGOS</b>	
Reducer	<b>RGCS</b>	

● Common specifications

## 1. Installation position

Refer to outline drawings for each size for positions of the oil supply port/drain and oil level gauge.

Positions of the oil supply/drain port and oil level gauge differ with the index unit position, so select a position from 1 to 6.



## 2. Housing installation holes are drilled on all six faces of the housing.

## 3. Housing material

Fc or Aℓ is selected for the 40, 50, 63, and 80 shaft intervals.

Size	Material
<b>040 to 450</b>	Fc
<b>040 to 080</b>	Aℓ

Product specifications

Small

Standard

Wide angle

Table

Roller gear cam unit

Small multi-index

Flat

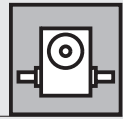
Torque table

Torque table

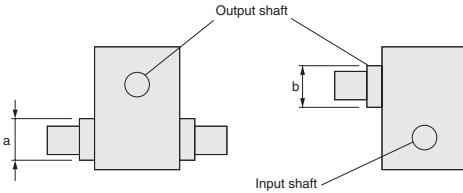
Parallel cam unit

Torque table

Option

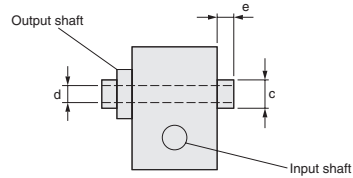


## 4. Diameter of input/output shaft stepped section



Dimension Size	a	b
<b>040</b>	∅ 15	∅ 20
<b>050</b>	∅ 17	∅ 25
<b>063</b>	∅ 25	∅ 30
<b>080</b>	∅ 28	∅ 32
<b>110</b>	∅ 32	∅ 42
<b>140</b>	∅ 42	∅ 55
<b>180</b>	∅ 55	∅ 70
<b>250</b>	∅ 70	∅ 90
<del>300</del>	<del>∅ 90</del>	<del>∅ 110</del>
<del>350</del>	<del>∅ 100</del>	<del>—</del>
<del>450</del>	<del>∅ 140</del>	<del>—</del>

## 5. Flange shaft hollow specifications (custom order)



Dimension Size	c	d	e
<b>080</b>	∅25	∅12	5
<b>110</b>	∅30	∅16	5
<b>140</b>	∅40	∅20	5
<b>180</b>	∅55	∅30	5
<b>250</b>	∅80	∅45	5
<del>300</del>	<del>—</del>	<del>—</del>	<del>—</del>
<del>350</del>	<del>—</del>	<del>—</del>	<del>—</del>
<del>450</del>	<del>—</del>	<del>—</del>	<del>—</del>

\* Contact CKD when using installation position 6.

Product specifications

Small
Standard
Wide angle
Table
Foller gear cam unit
Small multi-index
Flat
Torque table
Standard
Parallel cam unit
Torque table
Option

## ● Common specifications

### 6. Output shaft (flange shaft) dowel pin hole dimensions (Custom order)

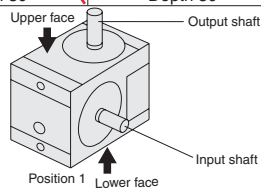
The following dimensions are references for drilling dowel pinholes on the output shaft.

Size	050	063	080	110	140
Pitch					
Ref. hole $\phi$	$\phi 8H7$ penetration Effective length 12	$\phi 8H7$ penetration Effective length 12	$\phi 8H7$ depth 15 (P.C.D 46)	$\phi 10H7$ depth 20 (P.C.D 60)	2- $\phi 13H7$ Depth 25
Size	180	250	300	350	450
Pitch					
Ref. hole $\phi$	2- $\phi 16H7$ Depth 30	2- $\phi 20H7$ Depth 30	2- $\phi 20H7$ Depth 30	2- $\phi 24H7$ Depth 30	2- $\phi 30H7$ Depth 50

### 7. Housing dowel pin hole dimensions (custom order)

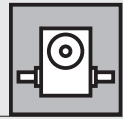
Use the following dimensions as a guide when drilling dowel pin holes on the housing.

Note: Consult with CKD when using an aluminum housing.



Size	040	050	063	080	110	140	180
Upper face							
Lower face							
Ref. hole $\phi$	2- $\phi 6H7$ depth 8	2- $\phi 8H7$ depth 10	2- $\phi 8H7$ depth 10	2- $\phi 8H7$ depth 10	2- $\phi 10H7$ depth 10	2- $\phi 13H7$ depth 8	2- $\phi 13H7$ depth 10

\* Contact CKD for dowel pin dimension tolerance on the bottom.



## 8. Option/worm reducer Standard worm reducers

Model	HO reducer Size	Reduction ratio <small>Values in parentheses indicate the special speed ratio.</small>	TE reducer Size	Reduction ratio
RGIS	040	HO 32 1/20, 1/40, 1/60 (1/10, 1/30, 1/50)		
	050	HO 32 1/20, 1/40, 1/60 (1/10, 1/30, 1/50)	TE 35	1/10, 1/20, 1/30 1/40, 1/50, 1/60
	063	HO 40 1/20, 1/40, 1/60 (1/10, 1/30, 1/50)	TE 42	1/10, 1/20, 1/30 1/40, 1/50, 1/60
	080	HO 50 1/10, 1/20, 1/30 1/40, 1/50, 1/60	TE 51	1/10, 1/20, 1/30 1/40, 1/50, 1/60
RGOS	110	HO 60 1/10, 1/20, 1/30 1/40, 1/50, 1/60	TE 63	1/10, 1/20, 1/30 1/40, 1/50, 1/60
RGCS	140	HO 80 1/10, 1/20, 1/30 1/40, 1/50, 1/60	TE 80	1/10, 1/20, 1/30 1/40, 1/50, 1/60
	180	HO100 1/10, 1/20, 1/30 1/40, 1/50, 1/60	TE100	1/10, 1/20, 1/30 1/40, 1/50, 1/60
	250	HO135 1/20, 1/40, 1/60 (1/10, 1/30, 1/50)	TE150	1/10, 1/20, 1/30 1/40, 1/50, 1/60
	<del>300</del>			
	<del>350</del>	Custom order. Contact CKD.		
	<del>450</del>			

\* Standard installation combinations are shown above. Check reducer load torque (Ter) and reducer rated output torque before use.

## 10. Option/torque saver (TSF4 to TSF18) Torque guard (TGX20 to TGX70)

Standard torque savers and torque guards  
(Applicable to index number n = 2 to 12)

Model	Torque saver Size	Torque guard Size
RGIS	040	TSF4
		TSF5
RGOS	050	TSF5
		TSF6
RGCS	063	TSF6
	080	TSF8
RGCS	110	TSF11
	140	TSF14
	180	TSF18

\* If the torque saver or torque guard is installed with specifications exceeding index number n = 12, it may not be possible to set the appropriate release torque. Check when selecting the model.

\* The detection switch for the torque saver and torque guard is available with semi standard specifications.

## 9. Option/ Gear head + with motor <ORIENTAL MOTOR> List of gear head + motor installations

Model	RGIS RGOS RGCS	040	040 050	050 063	063	
Motor specifications	Motor output	25W	40W	60W	90W	
	Induction	Single-phase 100V	○	○	○	○
		Single-phase 200V	○	○	○	○
		Three phase 200V	○	○	○	○
	Reversible	Single-phase 100V	○	○	○	○
		Single-phase 200V	○	○	○	○
	With electromagnetic brakes	Single-phase 100V	○	○	○	○
		Single-phase 200V	○	○	○	○
	With clutch/brake	Three phase 200V	○	○	○	○
		Single-phase 100V	◎	◎	◎	◎
		Single-phase 200V	○	○	○	○
		Three phase 200V	○	○	○	○
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					

\* Contact CKD for belt drives.

- ◎... Standard (Given in outline dimension drawings)
- ... Semi-standard

Note: An electronic brake circuit is required for intermittent operation with the induction motor.

Purchase the Oriental Motor brake pack separately.

Note: Before use, make this selection and calculate motor capacity.

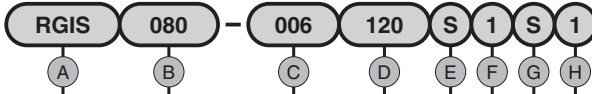
Product specifications

Small  
 Standard  
 Wide angle  
 Foller gear cam unit  
 Table  
 Small multi-index  
 Flat  
 Torque table  
 Standard  
 Parallel cam unit  
 Torque table  
 Option

# Standard type

## 1. Standard model numbers Index series

Product specifications



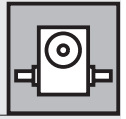
		(A) Model		(B) Shaft interval		(C) Index number (n)		(D) Total index angle (g/t)		(E) Cam curve		(F) Cam helix direction/dwell number	
		Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Parallel cam unit	Torque table	Option		
		RGIS	040	40 mm	002	2	090	90°	S	MS curve (Standard)	1	Left helix/1 dwell	<p>Left helix (Standard)      Right helix</p> <p>Refer to B-7 for details on the timing chart.</p>
			050	50 mm	003	3	120	120°			2	Left helix/2 dwell	
			063	63 mm	004	4	150	150°	C	MC curve (MCV50)	3	Left helix/3 dwell	
			080	80 mm	005	5	180	180°			4	Left helix/4 dwell	
			110	110 mm	006	6	210	210°	T	MT curve	5	Right helix/1 dwell	
			140	140 mm	008	8	240	240°			6	Right helix/2 dwell	
			180	180 mm	009	9	270	270°			7	Right helix/3 dwell	
			250	250 mm	010	10	300	300°			8	Right helix/4 dwell	
			<del>300</del>	<del>300 mm</del>	012	12	330	330°					
			<del>350</del>	<del>350 mm</del>	015	15							
			<del>450</del>	<del>450 mm</del>	016	16							
					018	18							
					020	20							
					024	24							
					030	30							
					032	32							
					036	36							
					040	40							
					048	48							

### Example of model number <1>

#### RGIS063-008270S5F1

- Shaft interval ..... 63mm
- Index number ..... 8 indexes
- Total index angle ..... 270°
- Cam curve ..... MS curve
- Cam helix direction/dwell number ..... Right helix/1 dwell
- Output shaft shape ..... Flange
- Installation position/housing material ..... Position 1/Fc housing

# Discontinue



Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small multi-index

Flat

Torque table

Standard  
Parallel cam unit

Torque table

Option

G Output shaft shape		H Installation position/housing material	
S Straight F Flange	* Use code S when installing the torque saver (option).	1 Position 1/Fc housing	<p>■ Position 1</p>
		2 Position 2/Fc housing	
* Shaft intervals 350 and 450 are available only with flange (F) specifications.	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/A housing	<p>* The Fc housing is the standard specification. The A housing is available as an option, with shaft interval specifications of 40 mm to 80 mm. Check with CKD for the delivery schedule.</p>	
	B Position 2/A housing		
C Position 3/A housing			
D Position 4/A housing			
E Position 5/A housing			
F Position 6/A housing			

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

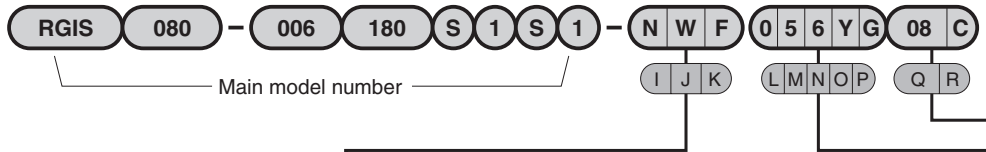
## Example of model number <2>

### RGIS110-024090S2S5

Shaft interval ..... 110mm  
 Index number ..... 24 indexes  
 Total index angle ..... 90° (45° X 2)  
 Cam curve ..... MS curve  
 Cam helix direction/dwell number ..... Left helix/2 dwell  
 Output shaft shape ..... Straight  
 Installation position/housing material ..... Position 5/Fc housings

# Standard type

2-1. Model numbers with options Common for index/oscillating/reducer series



Product specifications

Small  
 Standard  
 Wide angle  
 Table  
 Flat  
 Torque table  
 Parallel cam unit  
 Torque table  
 Option

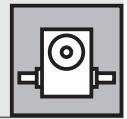
▼ With worm reducer installation

Input/output shaft specification codes		
I Input shaft specifications code (left shaft)	J Input shaft specifications code (right shaft)	K Output shaft specifications code
<p><b>N</b></p> <p>Stepped section Left shaft Output shaft N**</p> <p><b>K</b></p> <p>K**</p> <p><b>C</b></p> <p>C**</p> <p><b>W</b></p> <p>W** E**</p> <p><b>G</b></p> <p>Gear head + motor G**</p> <p><b>S</b></p> <p>S** (proximity switch) M** (micro switch)</p>	<p><b>N</b></p> <p>*N* Right shaft</p> <p><b>K</b></p> <p>*K*</p> <p><b>C</b></p> <p>*C*</p> <p><b>W</b></p> <p>*W* *E*</p> <p><b>G</b></p> <p>Gear head + motor *G*</p> <p><b>S</b></p> <p>*S* (proximity switch) *M* (micro switch)</p>	<p><b>N</b></p> <p>**N</p> <p><b>K</b></p> <p>**K</p> <p><b>F</b></p> <p>**F</p> <p><b>A</b></p> <p>**A</p> <p><b>X</b></p> <p>**X</p> <p><b>C</b></p> <p>**C</p> <p><b>S</b></p> <p>**S</p> <p><b>B</b></p> <p>**B</p> <p><b>Y</b></p> <p>**Y</p> <p><b>D</b></p> <p>**D</p> <p>Note 3</p>
<p><b>N</b> Standard (with keyway)  <b>K</b> No keyway  <b>C</b> Cut * The shaft is cut at the stepped section, and protrudes from the housing. Check dimension drawings.  <b>W</b> With worm reducer (W: HO reducer, E: TE reducer)                      * Specifications of the worm reducer to be installed are required, so determine the worm reducer installation specifications code.  <b>G</b> Gear head + with motor                      * Specifications of the gear head and motor to be installed are required, so determine the gear head + motor installation specifications code.  <b>S</b> Input shaft - with rotation detection cam and proximity switch (1 station)  <b>M</b> Input shaft - with rotation detection cam and microswitch (1 station)                      * Two stations or more are available as customized order. Two stations may be required to rotate the input shaft forward and backward.                      * Applications using a proximity switch with three or more dwells or a microswitch with two or more dwells are available customized.                      * The oscillating series with microswitch is a custom order.                      * The proximity switch detects two positions for two dwells (including oscillating) and three positions for three dwells.</p>	<p><b>N</b> Standard (with keyway)  <b>K</b> No keyway (straight shaft)  <b>F</b> With torque saver (TSF)  <b>A</b> With torque guard (TGF)  <b>X</b> With torque guard (TGF) + proximity switch for release detection  <b>C</b> With torque guard (TGF) + proximity switch for release detection (without output shaft keyway)  <b>S</b> Torque saver (TSF) + proximity switch for release detection  <b>B</b> Torque saver (TSF) + proximity switch for release detection (without output shaft keyway)  <b>Y</b> Torque guard (TGF) + proximity switch for release detection  <b>D</b> Torque guard (TGF) + proximity switch for release detection (without output shaft keyway)                      When selecting F, A, X, C, S, B, Y, or D, specifications of the installed torque saver and torque guard are required. Determine the torque saver and torque guard installation specifications code.</p>	

L M N O P		
L M Reducer size	N Reduction ratio	
03 HO32, TE35	1	1/10
04 HO40, TE42	2	1/20
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, —		
15 —, TE150		
		*1/10, 1/30, and 1/50 for HO32, HO40, and HO135 are special reduction ratios, so check with CKD for the delivery schedule.
		*Refer to pages D-521 to 558.

▼ With gear head + motor installation

L M N O P		
L Motor type	M Motor output	
E Induction	C	25W
R Reversible	D	40W
B With brake	E	60W
C With clutch/brake	F	90W
		*Refer to gear head and motor installations on page D-40.



\* When not installing the worm reducer or gear head + motor on the input shaft and when installing the torque saver/torque guard on the output shaft, indicate the torque saver installation specification code with a hyphen (-) after (L).

### Worm reducer installation specifications code

Presence of clutch/brake		Installation direction				
Y With clutch/brake	N Without clutch/brake	Left shaft installation	A	B	C	D
			J	K	L	M
AR	BR		CR	DR		
Right shaft installation	E		F	G	H	
	N	P	Q	R		
	ER	FR	GR	HR		

Torque saver/torque guard installation specifications code <small>Note 1</small>			
Q TSF size		R Release torque range	
04	TSF4	A	A
05	TSF5	B	B
06	TSF6	C	C
08	TSF8	D	D
11	TSF11		
14	TSF14		
18	TSF18		
Q TGX size		R Trip torque range	
20	TGX20	L	LC
35	TGX35	M	MC
50	TGX50	H	HC
70	TGX70		

Note 1: Notify CKD when designating the torque saver and torque guard release (trip) setting torque. If not designated, adjustment is set to the minimum before shipment.  
\*Refer to pages D-559 to 590.

Note 2: When using a reduction ratio of 1/3 to 1/9, the input shaft rotation speed may reach 200 rpm or more and a custom specification model number is required.

Note 3: The torque saver and torque guard release detection proximity switch is a NO. An NC is available. Contact CKD for details.

### Gear head + motor installation specifications code

N Voltage		O Gear head reduction ratio <small>Note 2</small>		P Driving method
A	Single-phase 100V	A	1/3	G Gear drive
C	Single-phase 200V	B	1/3.6	
S	Three phase 200V	C	1/5	
		D	1/6	
		E	1/7.5	
		F	1/9	
		G	1/12.5	
		H	1/15	
		J	1/18	
		K	1/25	
		L	1/30	
		M	1/36	
		N	1/50	
		P	1/60	
		Q	1/75	
		R	1/90	
		S	1/100	
		T	1/120	
		U	1/150	
		V	1/180	



Product specifications

Small  
Standard  
Wide angle  
Roller gear cam unit  
Table  
Small multi-index  
Flat  
Torque table  
Standard  
Parallel cam unit  
Torque table  
Option



# Standard type

## 2-2. Examples of model numbers with options/3. Custom specification model numbers

Note that even one incorrect specification in symbols representing the model number when ordering will result in a product with incorrect specifications.

Refer to the following model number examples and carefully determine the model number to ensure that the required product is delivered.

Product specifications

Roller gear cam unit

Small

Standard

Wide angle

Table

Small multi-index

Flat

Torque table

Parallel cam unit

Torque table

Option

**Example of model number <3>**

RGIS110-016090S2S5-NMN  
 Input shaft specifications  
 Left shaft: Standard  
 Right shaft: Input shaft - with rotation detection cam and micro switch (1 station)  
 Output shaft specifications  
 Standard

**Example of model number <4>**

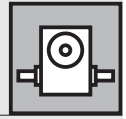
RGIS180-008270S1S1-WNN104YL  
 Input shaft specifications  
 Left shaft: Worm reducer installed  
 Right shaft: Standard  
 Output shaft specifications: Standard  
 Worm reducer installation specifications  
 Reducer size: HO100  
 Reduction ratio: 1/40  
 Presence of clutch-brake: Present  
 Installation direction: L

**Example of model number <5>**

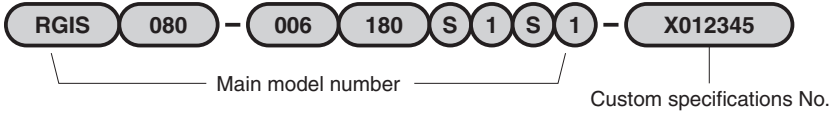
RGIS040-004270S1S1-NNS-04B  
 Input shaft specifications  
 Left shaft: Standard  
 Right shaft: Standard  
 Output shaft specifications: Torque saver + proximity switch for release detection installed.  
 Torque saver installation specifications  
 TSF size: TSF4  
 Release torque range: B

**Example of model number <6>**

RGIS063-008270S1SA-MWF046YG06C  
 Input shaft specifications  
 Left shaft: Input shaft - with rotation detection cam and micro switch (1 station)  
 Right shaft: Worm reducer installed  
 Output shaft specifications: Torque saver installed  
 Worm reducer installation specifications  
 Reducer size: HO40  
 Reduction ratio: 1/60  
 Presence of clutch-brake: Present  
 Installation direction: G  
 Torque saver installation specifications  
 TSF size: TSF6  
 Release torque range: C



● Custom specification model number Common for index/oscillating/reducer series



- \* Indicate -X <six-digit number> as the custom specifications No after the main specifications number. This custom specification model number is determined after discussing specifications with the user. Report specifications for customization other than standard options.
- \* High-speed specifications (input shaft rotation speed 200rpm or more) are customized.

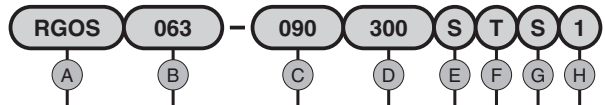


Product specifications

	Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table
			Roller gear cam unit				
					Standard Parallel cam unit		Torque table
							Option

# Standard type

## 1. Standard model numbers Oscillator series



Product specifications

		A Model		B Shaft interval		C Oscillating angle ( $\psi$ )		D Total index angle ( $\theta t$ )		E Cam curve		F Orbit pattern	
Small	Standard	Wide angle	RGOS	040	40 mm	120	120°	180	180° (90° X 2)	S	MS curve (Standard)	T	<p>When the input shaft starts rotating from the rotation reference position, the output shaft rotates in the sequence of 1 to 2 in the figure.</p> <p>Output shaft orbit reference position (keyway)</p>
			050	50 mm	090	90°	240	240° (120° X 2)	C	MC curve (MCV50)	Standard		
			063	63 mm	060	60°	300	300° (150° X 2)	T	MT curve			
			080	80 mm	045	45°	360	360° (180° X 2)					
			110	110 mm	030	30°							
			140	140 mm									
			180	180 mm									
			250	250 mm									
			<del>300</del>	<del>300 mm</del>									
			<del>350</del>	<del>350 mm</del>									
<del>450</del>	<del>450 mm</del>												
Table	Small multi-index	Flat											<p>When the input shaft starts rotating from the rotation reference position, the output shaft rotates in the sequence of 1 to 2 in the figure.</p> <p>Output shaft orbit reference position (keyway)</p> <p>Refer to B-7 for details on the timing chart.</p>

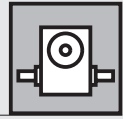
Example of model number <1>

<b>RGOS110-045180STS1</b>
Shaft interval ..... 110mm
Oscillating angle ..... 45°
Total index angle ..... 180° (90° X 2)
Cam curve ..... MS curve
Orbit pattern ..... T
Output shaft shape ..... Straight
Installation position/housing material ..... Position 1/Fc housing

Roller gear cam unit

Parallel cam unit

Option



(G) Output shaft shape		(H) Installation position/housing material			
S Straight	F Flange	1	Position 1/Fc housing		
		2	Position 2/Fc housing		
* Use code S when installing the torque saver (option).		3	Position 3/Fc housing		
		4	Position 4/Fc housing		
		5	Position 5/Fc housing		
		6	Position 6/Fc housing		
		A	Position 1/A l housing		
		B	Position 2/A l housing		
		C	Position 3/A l housing		
		D	Position 4/A l housing		
		E	Position 5/A l housing		
		F	Position 6/A l housing		
		* The Fc housing is the standard specification. The A l housing is available as an option, with shaft interval specifications of 40 mm to 80 mm. Check with CKD for the delivery schedule.		■ Position 1	
				■ Position 2	
		■ Position 3			
		■ Position 4			
		■ Position 5			
		■ Position 6			

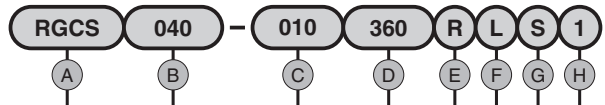
a: Oil supply port b: Oil level gauge c: Drain port

Small	Standard	Wide angle	Table	Foller gear cam unit	Small multi/index	Flat	Torque table
	Standard		Torque table				
	Parallel cam unit						
							Option

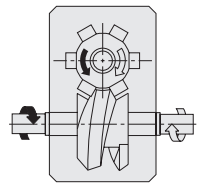
# Standard type

## 1. Standard model numbers Reducer series

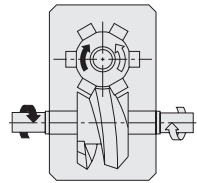
Product specifications



		A Model		B Shaft interval		C Reduction ratio (id)		D Total index angle (g/t)		E Cam curve		F Cam helix direction		
Small	Standard	Wide angle	Table	RGCS	040	40 mm	003	1/3	360	360°	R	Uniform velocity rotation curve	L	Left helix
				050	50 mm	004	1/4					R	Right helix	
				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							
				<del>300</del>	<del>300 mm</del>									
				<del>350</del>	<del>350 mm</del>									
<del>450</del>	<del>450 mm</del>													
Standard	Table													
Small multi-index	Flat													
Torque table														



Left helix

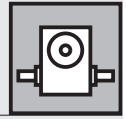


Right helix

Refer to B-7 for details on the timing chart.

Example of model number <1>

<b>RGCS050-005360RRF1</b>
Shaft interval ..... 50mm
Reduction ratio ..... 1/5
Total index angle ..... 360°
Cam curve ..... Uniform velocity rotation curve
Cam helix direction ..... Right helix
Output shaft shape ..... Flange
Installation position/housing material ..... Position 1/Fc housing

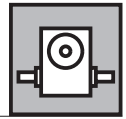


G Output shaft shape		H Installation position/housing material			
S Straight	F Flange	* Use code S when installing the torque saver (option).	1	Position 1/Fc housing	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>■ Position 1</p> </div> <div style="width: 45%;"> <p>■ Position 2</p> </div> </div>
			2	Position 2/Fc housings	
			3	Position 3/Fc housings	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>■ Position 3</p> </div> <div style="width: 45%;"> <p>■ Position 4</p> </div> </div>
			4	Position 4/Fc housings	
			5	Position 5/Fc housings	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>■ Position 5</p> </div> <div style="width: 45%;"> <p>■ Position 6</p> </div> </div>
			6	Position 6/Fc housings	

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

Small	Standard	Wide angle	Table	Flat	Torque table
		Roller gear cam unit	Small multi/index		
			Parallel cam unit		
					Torque table
					Option

# Discontinue



## Characteristics

Values in parentheses indicate data for the aluminum housing.

Descriptions	Unit	Characteristics		Descriptions	Unit	Characteristics
		Output shaft	Input shaft			
Allowable thrust force	N	2200 (1300)	1200 (700)	Internal friction torque (T <sub>fr</sub> )	N·m	3.0
Allowable radial force	N	2000 (1200)	900 (550)	Body weight	kg	11 (7.5)
Allowable bending moment	N·m	55 (35)	—	Oil level	ℓ	0.5
Moment of inertia	kg·m <sup>2</sup>	4.69 X 10 <sup>-4</sup>	2.57 X 10 <sup>-4</sup>	Paint color		Brown
				Munsell value		10YR4.5/2

## Accuracy

(Index numbers marked with ☆)

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

## List of index angles

(● shows a standard delivery lead time.)

(Index numbers not marked with ☆)

Index series		RGIS 050									Cam curve/MS	
Total index angle (θ <sub>t</sub> )	Index number (n)	90	120	150	180	210	240	270	300	330		
1 dwell	☆ 2							●	●	○		
	☆ 3				●	○	○	●	○	○		
	☆ 4			○	●	○	○	●	○	○		
	☆ 5		●	○	●	○	○	●	○	○		
	☆ 6	●	●	○	●	○	○	●	○	○		
	☆ 8	●	●	○	●	○	○	●	○	○		
	☆ 9	○	○	○	○	○	○	○	○	○		
	10	●	●	○	●	○	○	●	○	○		
	12	●	●	○	●	○	○	●	○	○		
	2 dwells	☆ 16		○	○	○	○	○	○	○	○	
☆ 18			○	○	○	○	○	○	○	○		
20		○	○	○	○	○	○	○	○	○		
24		○	○	○	○	○	○	○	○	○		
3 dwells	☆ 24		○	○	○	○	○	○	○	○		
	☆ 30		○	○	○	○	○	○	○	○		
	36	○	○	○	○	○	○	○	○	○		
4 dwells	☆ 32				○	○	○	○	○	○		
	☆ 36			○	○	○	○	○	○	○		
	40			○	○	○	○	○	○	○		
	48		○	○	○	○	○	○	○	○		

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

\* Contact CKD for details on dwell accuracy.

## Reducer series RGCS 050

Total index angle (θ <sub>t</sub> )	360
Reduction ratio (i <sub>d</sub> )	
1/3	●
1/4	●
1/5	○
1/6	●
1/8	○
1/9	○
1/10	●
1/12	○

## Oscillator series RGOS 050

Cam curve/MS

(Oscillating angles marked with ★)

Total index angle (θ <sub>t</sub> )	Oscillating angle (ψ)	90	120	180	240	300	360
★ 120							○
★ 90						●	○
★ 60			●	●		●	○
★ 45			●	○	●	○	○
30			●	○	●	○	○

(Oscillating angles not marked with ★)

Oscillating accuracy (sec.)	
Indexing accuracy	±90
Repeatability	15
Oscillating accuracy (sec.)	
Indexing accuracy	±120
Repeatability	30

\* Contact CKD for details on dwell accuracy.

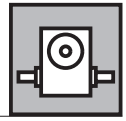
Product specifications

Small  
Standard  
Wide angle  
Foller gear cam unit  
Table  
Small multi-index  
Flat  
Torque table  
Standard  
Parallel cam unit  
Torque table  
Option





# Discontinue



## Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	36000	18000
Allowable radial force	N	35000	20000
Allowable bending moment	N·m	4500	—
Moment of inertia	kg·m <sup>2</sup>	0.91	2.22

Descriptions	Unit	Characteristics
Internal friction torque (T <sub>fr</sub> )	N·m	109
Body weight	kg	950
Oil level	ℓ	58
Paint color		Brown
Munsell value		10YR4.5/2

## Accuracy

Indexing accuracy (sec.)		
Indexing accuracy	1 dwell	±20
	2 dwells	±40
	3 dwells	±60
	4 dwells	±80
Repeatability		10

## List of index angles (● shows a standard delivery lead time.)

Oscillating accuracy (sec.)	
Indexing accuracy	±40
Repeatability	10

\* Contact CKD for details on dwell accuracy.

### Index series **RGIS 300** Cam curve/MS

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

### Reducer series **RGCS 300**

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

### Oscillator series **RGOS 300** Cam curve/MS

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

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small multi-index

Flat

Torque table

Standard

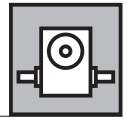
Parallel cam unit

Torque table

Option



# Discontinue



## Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	36000	18000
Allowable radial force	N	45000	25000
Allowable bending moment	N·m	4500	—
Moment of inertia	kg·m <sup>2</sup>	1.82	2.22

Descriptions	Unit	Characteristics
Internal friction torque (T <sub>fr</sub> )	N·m	109
Body weight	kg	950
Oil level	ℓ	58
Paint color		Brown
Munsell value		10YR4.5/2

## Accuracy

Indexing accuracy (sec.)		
Indexing accuracy	1 dwell	±20
	2 dwells	±40
	3 dwells	±60
	4 dwells	±80
Repeatability		10

## List of index angles (● shows a standard delivery lead time.)

Oscillating accuracy (sec.)	
Indexing accuracy	±40
Repeatability	10

\* Contact CKD for details on dwell accuracy.

### Index series **RGIS 300** Cam curve/MS

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

### Reducer series **RGCS 300**

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

### Oscillator series **RGOS 300** Cam curve/MS

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

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small multi-index

Flat

Torque table

Standard

Parallel cam unit

Torque table

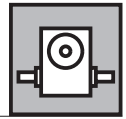
Option







# Discontinue



## Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	44000	22000
Allowable radial force	N	55000	35000
Allowable bending moment	N·m	6000	—
Moment of inertia	kg·m <sup>2</sup>	3.86	4.43

Descriptions	Unit	Characteristics
Internal friction torque (T <sub>fr</sub> )	N·m	148
Body weight	kg	1450
Oil level	ℓ	70
Paint color		Brown
Munsell value		10YR4.5/2

## Accuracy

Indexing accuracy (sec.)		
Indexing accuracy	1 dwell	±20
	2 dwells	±40
	3 dwells	±60
	4 dwells	±80
Repeatability		10

## List of index angles (● shows a standard delivery lead time.)

Oscillating accuracy (sec.)	
Indexing accuracy	±40
Repeatability	10

\* Contact CKD for details on dwell accuracy.

### Index series **RGIS 350** Cam curve/MS

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

### Reducer series **RGCS 350**

Total index angle (θ <sub>t</sub> ) Reduction ratio (i <sub>d</sub> )	360
1/3	●
1/4	●
1/5	○
1/6	●
1/8	○
1/9	○
1/10	●
1/12	○

### Oscillator series **RGOS 350** Cam curve/MS

Total index angle (θ <sub>t</sub> ) Oscillating angle (ψ)	90	120	180	240	300	360
120						○
90					●	○
60			●	●	●	○
45			●	○	●	○
30			●	○	●	○

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small multi-index

Flat

Torque table

Standard

Parallel cam unit

Torque table

Option

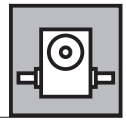








# Discontinue



## Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	60000	30000
Allowable radial force	N	75000	54000
Allowable bending moment	N·m	13000	—
Moment of inertia	kg·m <sup>2</sup>	17.9	13.7

Descriptions	Unit	Characteristics
Internal friction torque (T <sub>fr</sub> )	N·m	245
Body weight	kg	3300
Oil level	ℓ	220
Paint color		Brown
Munsell value		10YR4.5/2

## Accuracy

Indexing accuracy (sec.)		
Indexing accuracy	1 dwell	±20
	2 dwells	±40
	3 dwells	±60
	4 dwells	±80
Repeatability		10

## List of index angles (● shows a standard delivery lead time.)

Oscillating accuracy (sec.)	
Indexing accuracy	±40
Repeatability	10

\* Contact CKD for details on dwell accuracy.

### Index series **RGIS 450** Cam curve/MS

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

### Reducer series **RGCS 450**

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

### Oscillator series **RGOS 450** Cam curve/MS

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

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small multi-index

Flat

Torque table

Standard

Parallel cam unit

Torque table

Option



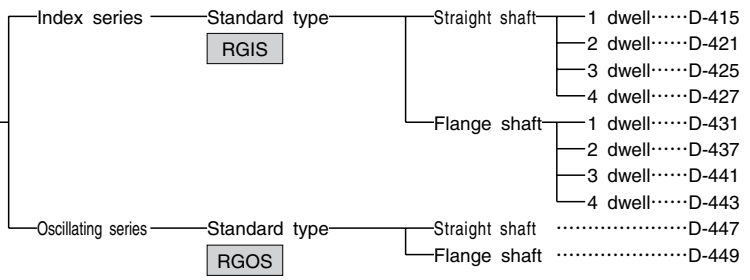
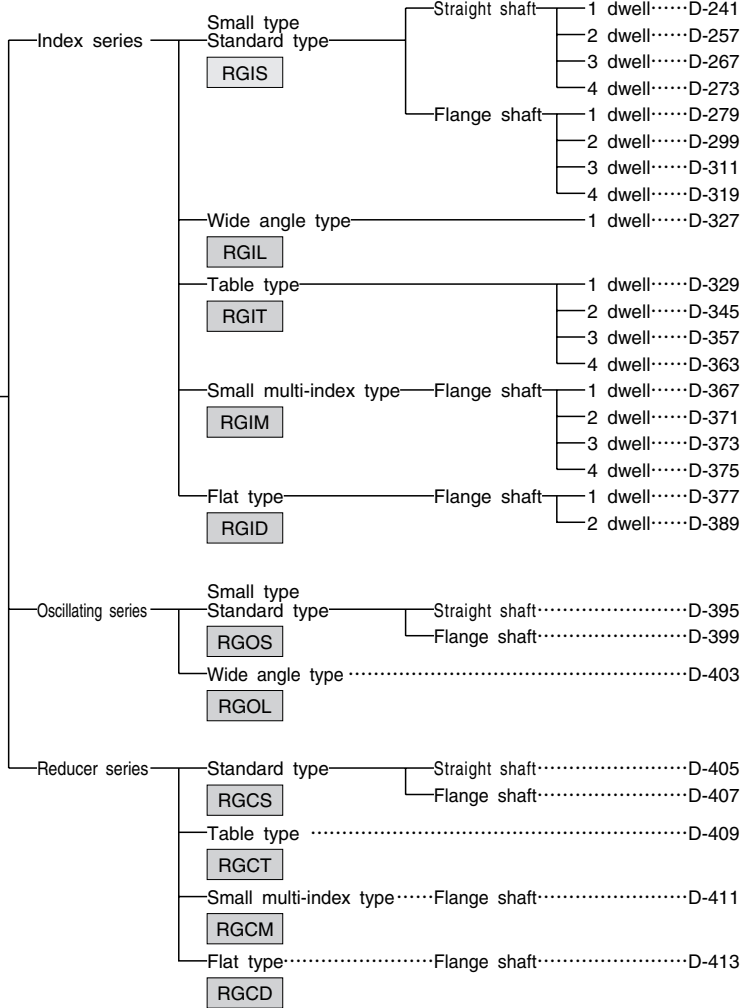
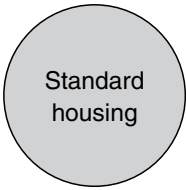


# Output torque table

## ● Reading the torque table

Page

Product specifications	
Small	Roller gear cam unit
Standard	
Wide angle	
Table	
Small multi-index	
Flat	Parallel cam unit
torque table	
Standard	
torque table	Option
Standard	

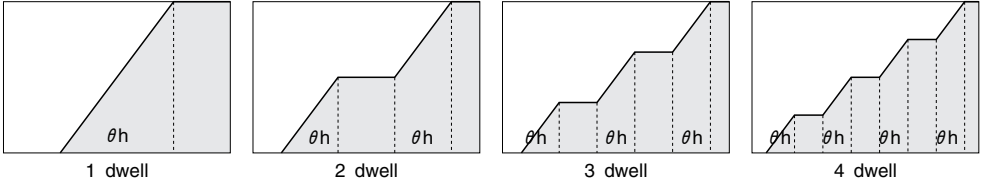


# Discontinue

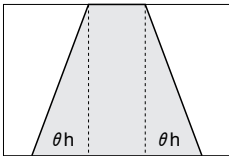
## Precautions

1. The output torque table data is summarized as shown on the left.
2. The index angle indicates the total index angle which is the total within one input shaft rotation.
3. The data is based on a reference life time of 10,000 hours.

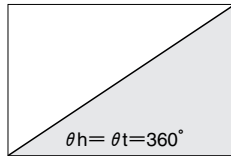
### Index series



### Oscillating series



### Reducer series



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

$\theta_t$  : Total index angle

$\theta_h$  : Index angle

$z$  : Number of dwell

## Reading 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	
		300	16500	8020	7580	6500	5780	5270	4640	3770		
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	
		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	0.64	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	4.67	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
		063	65.4	35.4	31.8	27.1	24.2	22.1	20.0	17.0	13.9	10.0
		080	152	68.1	61.2	52.2	46.0	41.0	37.0	31.0	26.0	18.1
		140	331	193	173	147	130	119	106	89	77	59

- Static rated output torque (N·m)
- Size : Indicates shaft to shaft distance C
- Total index angle  $\theta_t (^{\circ})$
- Index number n
- Input shaft rotational speed N (rpm)
- Dynamic rated output torque  $T_r$  (N·m)

# Output torque table

Index series

●RGIS straight axis (1 dwell)

Cam curve/MS

Product specifications		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
Small	Standard	2	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			
Wide angle	Table	2	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		
Table	Torque table	2	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	
Table	Torque table	2	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	
Table	Torque table	2	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	
Table	Torque table	2	300	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
Table	Torque table	2	330	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	Torque table	2	360	110	359	220	211	180	161	147	130	109	94	
				140	950	444	407	347	309	282	248	203	168	
Table	Torque table	2	390	180	2860	1110	1020	870	770	700	610	490		
				250	5840	2620	2400	2040	1800	1620	1400			
Table	Torque table	2	420	300	12300	3680	3370	2840	2490	2220	1850			
				025	2.13	1.19	1.10	0.94	0.84	0.77	0.69	0.58	0.52	
Table	Torque table	2	450	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
Table	Torque table	2	480	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
Table	Torque table	2	510	080	242	140	130	111	99	91	81	68	60	49
				110	591	286	265	226	202	184	164	138	120	93
Table	Torque table	2	540	140	1160	598	555	473	422	385	342	284	242	
				180	3030	1430	1330	1130	1010	920	810	660		
Table	Torque table	2	570	250	10400	3260	3010	2560	2270	2060	1790			
				300	12300	3910	3620	3060	2700	2420	2060			
Table	Torque table	2	600	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	
Table	Torque table	2	630	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
Table	Torque table	2	660	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
Table	Torque table	2	690	110	591	301	281	240	214	196	175	147	129	102
				140	1160	631	590	503	449	411	365	305	263	
Table	Torque table	2	720	180	3030	1510	1410	1210	1070	980	870	710	600	
				250	10400	3430	3200	2720	2420	2200	1920	1530		
Table	Torque table	2	750	300	16500	6720	6280	5330	4730	4290	3730			
				025	1.09	0.62	0.55	0.47	0.42	0.38	0.34	0.28	0.24	
Table	Torque table	2	780	032	2.69	1.54	1.37	1.16	1.04	0.95	0.84	0.70		
				025	1.09	0.71	0.63	0.54	0.48	0.44	0.39	0.33	0.29	
Table	Torque table	2	810	032	2.69	1.75	1.56	1.33	1.19	1.09	0.97	0.82	0.71	
				025	1.09	0.76	0.69	0.59	0.52	0.48	0.43	0.36	0.32	
Table	Torque table	2	840	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
Table	Torque table	2	870	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
Table	Torque table	2	900	080	164	100	96	87	78	71	63	53	46	36
				110	359	220	207	177	157	144	127	105	88	
Table	Torque table	2	930	140	950	444	400	340	302	275	241	192	152	
				180	2860	1110	1000	850	750	680	590	450		
Table	Torque table	3	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		
Table	Torque table	3	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	
Table	Torque table	3	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	
Table	Torque table	3	210	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
Table	Torque table	3	240	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
Table	Torque table	3	270	110	359	220	207	177	157	144	127	105	88	
				140	950	444	400	340	302	275	241	192	152	
Table	Torque table	3	300	180	2860	1110	1000	850	750	680	590	450		



# Discontinue

Index series

## ●RGIS straight axis (1 dwell)

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	180	250	5840	2620	2350	1990	1750	1560	1310			
		300	12300	3680	3290	2760	2400	2100	1680			
		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				
	300	12300	4020	3660	3080	2700	2410	2010				
	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	
		180	3030	1580	1460	1250	1110	1010	890	730	610	
		250	10400	3580	3310	2810	2490	2260	1970	1530		
		300	16500	7030	6490	5510	4880	4410	3810			
		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	16500		7420	6930	5890	5230	4750	4140	3240			
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		
	300	16500	7750	7310	6220	5530	5030	4410	3530			
	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	

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Small multi-index

Flat

Torque table

Standard

Torque table

Option

Parallel cam unit

Option

Option

Option

Option

Option

Option

Option

# Output torque table

Index series

●RGIS straight axis (1 dwell)

Cam curve/MS

Product specifications		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				
Small	Standard	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					
				300	16500	8020	7580	6500	5780	5270	4640	3770						
		Wide angle	Table	4	180	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	0.64	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		
						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				
Flat	Torque table					4	180	140	760	362	325	276	245	222	193	150	113	
								180	1490	769	689	583	514	462	393	280		
		250	4150	2000	1780			1500	1310	1160	950							
		300	6900	3350	2980			2490	2150	1880	1470							
		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				
		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					
Option	Torque table	4	210	180	2100	1060	960	820	730	660	580	450	350					
				250	4150	2200	2000	1690	1490	1340	1130	800						
				300	6900	3680	3340	2820	2460	2190	1810							
				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										
300	6900	3930	3630	3070	2700	2430	2060	1460										
Option	Torque table	4	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					
				300	12300	4800	4490	3810	3380	3050	2640	2000						
				Option	Torque table	4	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				

# Discontinue

Index series

## ●RGIS straight axis (1 dwell)

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
4	270	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	
	300	12300	4980	4700	4000	3550	3220	2810	2200	1680		
	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	
		300	12300	5110	4830	4160	3690	3360	2950	2350	1870	
		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
	300		12300	5220	4930	4280	3810	3470	3060	2480	2020	
	5		120	040	7.19	4.92	4.38	3.74	3.33	3.05	2.71	2.27
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	
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
180		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

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small multi-index

Flat

Torque table

Standard

Parallel cam unit

Torque table

Option

# Output torque table

Index series

●RGIS straight axis (1 dwell)

Cam curve/MS

Product specifications		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
Roller gear cam unit	Small	180	180	1220	739	681	579	513	465	405	315	237		
			250	3910	1990	1830	1550	1370	1230	1050	760	480		
			300	4800	2860	2630	2220	1940	1730	1440	920			
		Standard	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
	Wide angle		240	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
		Table	270	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	
Small multi-index	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	
	Flat	270	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	
Torque table		300	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	
	Parallel cam unit	270	250	4150	2640	2490	2120	1890	1720	1500	1200	960		
			300	6900	4380	4140	3520	3120	2830	2460	1910	1430		
			025	1.49	1.15	1.09	0.94	0.84	0.77	0.69	0.59	0.52		
Option		300	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	
	Torque table	330	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	
Torque table		300	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	
	Option	330	300	6900	4490	4250	3660	3250	2950	2580	2050	1620		
			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		
Torque table		300	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	
	Option	330	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	
Torque table		300	180	1490	1080	1020	890	790	720	640	540	460	350	
			250	4150	2760	2610	2270	2020	1850	1630	1340	1120	750	
			300	6900	4580	4330	3770	3350	3050	2680	2170	1760		
	Option	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	
Torque table		300	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	
	Option	330	110	359	331	327	287	257	235	210	179	158	132	

# Discontinue

Index series

## ●RGIS straight axis (1 dwell)

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	
5	330	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	
		300	6900	4650	4400	3860	3430	3130	2760	2260	1870	1180	
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				
		300	12300	3610	3150	2590	2170	1810	1220				
		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				
300	16500		7020	6270	5290	4630	4120	3420					
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			
	300	16500	7740	7070	5990	5300	4780	4100	3030				
	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			
300		16500	8240	7660	6510	5770	5240	4570	3570	2730			
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	

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small multi-index

Flat

Torque table

Standard

Torque table

Parallel cam unit

Option

# Output torque table

Index series

●RGIS straight axis (1 dwell)

Cam curve/MS

Product specifications	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
Roller gear cam unit	6	210	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	
			300	16500	8590	8100	6890	6130	5580	4900	3940	3180	
	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		
	300	16500	8840	8360	7190	6400	5840	5150	4210	3510			
	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		
300	16500	9030	8540	7420	6620	6040	5350	4420	3740	2620			
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			
300	16500	9170	8670	7610	6790	6200	5500	4580	3930	2880			
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			
300	16500	9270	8770	7760	6940	6340	5630	4710	4070	3090			
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		
	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	

# Discontinue

Index series

## ●RGIS straight axis (1 dwell)

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
8	90	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	
		180	2100	1050	930	790	690	620	530	370	220	
		250	4150	2180	1930	1610	1400	1220	970	480		
		300	6900	3660	3210	2670	2280	1950	1450			
		120	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
	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		
	300	12300	4800	4340	3660	3210	2860	2370	1520			
	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		
	300	12300	5110	4720	4000	3540	3190	2740	2010	1340		
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		
300	12300	5300	4990	4240	3760	3410	2970	2310	1750			
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		
300	12300	5430	5140	4410	3920	3570	3130	2510	2010			
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	

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small/multi-index

Flat

Torque table

Standard

Torque table

Parallel cam unit

Option

# Output torque table

Index series

●RGIS straight axis (1 dwell)

Cam curve/MS

Product specifications	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
Roller gear cam unit	8	240	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
			300	12300	5520	5220	4550	4050	3690	3250	2650	2190	1370
			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		
	300	12300	5580	5280	4650	4140	3780	3350	2760	2320	1590		
	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		
	300	12300	5630	5330	4710	4220	3860	3420	2840	2420	1750		
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			
300	12300	5670	5360	4740	4290	3920	3480	2910	2500	1870			
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					
300	6900	3860	3410	2840	2440	2110	1620	640					
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			
Option	9	90	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	
			050	37.9	25.8	23.6	20.1	18.0	16.5	14.7	12.4	11.0	
			050	37.9	25.8	23.6	20.1	18.0	16.5	14.7	12.4	11.0	



# Discontinue

Index series

## ●RGIS straight axis (1 dwell)

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
9	120	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	
	300	6900	4260	3880	3270	2870	2560	2140	1400	660		
	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
		300	12300	5240	4870	4130	3660	3300	2850	2140	1490	
		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
	300		12300	5400	5110	4350	3860	3500	3060	2410	1860	
	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	
300		12300	5510	5210	4500	4010	3650	3210	2590	2100		
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	
	300	12300	5580	5280	4620	4120	3760	3320	2720	2260	1470	
	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	

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small/multi-index

Flat

Torque table

Standard

Torque table

Option

Parallel cam unit

# Output torque table

Index series

●RGIS straight axis (1 dwell)

Cam curve/MS

Product specifications		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
Roller gear cam unit	9	270	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	12300	5640	5330	4710	4210	3840	3400	2810	2380	1670		
		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	
		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		
	90	025	1.49	1.12	1.03	0.88	0.78	0.72	0.64	0.54	0.48			
		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		
	120	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		149	102	94	80	71	64	56	44	35	15			
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	149	102	94	80	71	64	56	44	35	15			
Option	10	120	025	1.49	1.12	1.03	0.88	0.78	0.72	0.64	0.54	0.48		
			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	
Parallel cam unit	90	120	025	1.49	1.12	1.03	0.88	0.78	0.72	0.64	0.54	0.48		
			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	
Torque table	90	120	025	1.49	1.12	1.03	0.88	0.78	0.72	0.64	0.54	0.48		
			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	
Torque table	90	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	149	102	94	80	71	64	56	44	35	15	

# Discontinue

## Index series

### ●RGIS straight axis (1 dwell)

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
10	150	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
		300	6900	4580	4280	3630	3210	2900	2510	1890	1340	
	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
	210	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
		300	6900	4700	4440	3800	3370	3060	2680	2110	1640	710
		240	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
	270	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
		300	6900	4780	4520	3920	3490	3180	2800	2260	1840	
		300	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	
Option	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	
	300	12300	5630	5330	4690	4180	3810	3370	2770	2320	1550	
	Option	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	
Option	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	12300	5670	5370	4750	4260	3890	3450	2860	2430	1740	
	Option	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	

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small/multi-index

Flat

Torque table

Standard

Parallel cam unit

Torque table

Option

# Output torque table

Index series

●RGIS straight axis (1 dwell)

Cam curve/MS

Product specifications		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
Roller gear cam unit	Small	10	300	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
				300	12300	5700	5400	4770	4330	3950	3510	2930	2520	1880
	Standard	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	
	Wide angle	300	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	
			300	12300	5730	5420	4790	4380	4010	3560	2990	2590	1980	
			Parallel cam unit	Table	90	032	1.89	1.38	1.25	1.06	0.95	0.87	0.77	0.64
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	
Torque table	120	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			
		300		4800	3020	2700	2260	1950	1700	1330	620			
		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	
Option	Torque table	150	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		
Option	Torque table	180	250	2870	1830	1690	1430	1260	1140	970	700	440		
			300	4800	3210	2960	2500	2200	1960	1650	1120	580		
			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	
Option	Torque table	180	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	
			300	4800	3310	3120	2650	2340	2120	1820	1370	960		
Option	Torque table	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	
Option	Torque table	180	140	760	534	505	437	390	357	318	268	234	184	
			180	1220	894	846	732	652	596	528	437	372	264	

# Discontinue

## Index series

### ●RGIS straight axis (1 dwell)

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		
12	180	250	3910	2390	2260	1950	1740	1580	1390	1130	920	550		
		300	4800	3370	3180	2750	2440	2210	1930	1520	1170			
		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			
	300	4800	3410	3220	2820	2510	2280	2010	1620	1310	730			
	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		
		300	6900	4880	4620	4080	3650	3330	2950	2430	2050	1410		
		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			6900	4910	4640	4110	3720	3390	3010	2500	2140	1560		
12			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	
			300	6900	4930	4660	4120	3770	3450	3060	2560	2210	1670	
	12		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	
			300	6900	4940	4680	4140	3790	3490	3100	2600	2260	1750	
		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

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small/multi-index

Flat

Torque table

Standard

Torque table

Parallel cam unit

Option

# Output torque table

Index series

●RGIS straight axis (1 dwell)

Cam curve/MS

Product specifications	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
Roller gear cam unit	15	90	180	591	523	496	420	370	333	283	201	122	
			250	1630	1130	1020	860	750	660	530	280		
			300	3280	2100	1900	1580	1370	1190	920	400		
		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	
			300	3280	2190	2040	1720	1510	1350	1130	740		
	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	
		300	4500	2780	2620	2240	1990	1800	1550	1180	840		
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		
	300	4500	2810	2650	2310	2050	1870	1630	1290	1010	450		
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	193	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		
	300	4500	2830	2670	2360	2100	1920	1690	1360	1110	650		
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		
	300	4500	2840	2690	2370	2140	1960	1730	1420	1180	780		
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	4500	2850	2700	2380	2180	1990	1760	1460	1240	870		
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		
	300	4500	2860	2700	2390	2190	2020	1790	1490	1280	940		
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		
	300	4500	2860	2710	2390	2190	2040	1810	1520	1310	1000		
16	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		

# Discontinue

Index series

## ●RGIS straight axis (1 dwell)

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
16	90	250	1630	1140	1040	870	760	670	540	300		
		300	2310	1690	1530	1270	1090	940	720			
	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	
		300	3280	2200	2060	1740	1530	1360	1150	770	400	
	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
		300	3280	2240	2120	1820	1610	1450	1250	930	650	
	180	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
		300	3280	2270	2140	1870	1660	1510	1310	1030	790	
	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
		300	3280	2280	2150	1900	1700	1550	1360	1090	880	480
	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
		300	3280	2290	2160	1910	1730	1580	1390	1140	940	600
	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		3280	2290	2170	1920	1750	1600	1420	1170	990	680	
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	
	300	3280	2300	2180	1920	1760	1630	1440	1200	1020	740	
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	
	300	3280	2300	2180	1930	1760	1640	1460	1220	1050	790	

Product specifications

Small

Standard

Wide angle

Table  
Small/multi-index

Flat

Torque table

Standard

Torque table

Option

# Output torque table

Index series

●RGIS straight axis (2 dwells)

Cam curve/MS

Product specifications	Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)							
					Input shaft rotational speed (rpm)							
					15	30	45	60	75	100	150	200
Small	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
		300	5840	3450	3230	2750	2440	2220	1950	1560	1240	630
Standard	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
		300	5840	3680	3480	3000	2670	2440	2160	1770	1490	990
Wide angle	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
		300	5840	3830	3620	3180	2830	2590	2300	1910	1640	1210
Table	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
		300	5840	3930	3720	3290	2950	2700	2400	2010	1750	1350
Small multi-index	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
		300	5840	4000	3780	3350	3040	2780	2480	2090	1830	1450
Flat	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
		300	5840	4000	3780	3350	3040	2780	2480	2090	1830	1450
Torque table	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
		300	5840	4000	3780	3350	3040	2780	2480	2090	1830	1450
Parallel cam unit	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
		300	5840	4000	3780	3350	3040	2780	2480	2090	1830	1450
Option	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
		300	5840	4000	3780	3350	3040	2780	2480	2090	1830	1450



# Discontinue

Index series

## ●RGIS straight axis (2 dwells)

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)								
				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	1.16	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
		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	12300	5590	5290	4680	4280	3920	3490	2930	2550	1980	
	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
	300	12300	5630	5330	4720	4320	4000	3560	3000	2620	2080	
	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	
300	12300	5670	5360	4750	4350	4060	3620	3060	2680	2160		
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
	300	6900	4270	4010	3410	3020	2730	2370	1810	1320		
	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	
300	12300	5240	4960	4290	3810	3470	3050	2460	1990			

Product specifications

Small

Standard

Wide angle

Table

Roller gear cam unit

Small/multi-index

Flat

Torque table

Parallel cam unit

Standard

Torque table

Option

# Output torque table

Index series

●RGIS straight axis (2 dwells)

Cam curve/MS

Product specifications	Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)							
					Input shaft rotational speed (rpm)							
					15	30	45	60	75	100	150	200
Small	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
		300	12300	5410	5110	4500	4010	3660	3230	2660	2230	1490
		Standard	210	025	2.13	1.75	1.65	1.46	1.32	1.21	1.08	0.92
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
300	12300			5510	5220	4610	4150	3800	3370	2800	2390	1740
Wide angle	240			025	2.13	1.77	1.68	1.49	1.36	1.25	1.11	0.95
		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
		300	12300	5590	5290	4670	4270	3900	3470	2900	2510	1910
		Table	270	025	2.13	1.79	1.70	1.50	1.38	1.27	1.14	0.97
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	960	840	700
250	5840			4080	3870	3420	3140	2890	2580	2180	1920	1560
300	12300			5640	5330	4720	4320	3980	3540	2980	2600	2040
Flat	300			025	2.13	1.81	1.71	1.51	1.39	1.29	1.16	0.99
		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
		300	12300	5670	5370	4750	4350	4050	3610	3040	2670	2130
		Torque table	Option	025	2.13	1.71	1.62	1.43	1.27	1.17	1.04	0.89
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
300	12300			5410	5110	4500	4010	3660	3230	2660	2230	1490

# Discontinue

Index series

## ●RGIS straight axis (2 dwells)

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)								
				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	0.90	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
300	12300	5700	5400	4780	4380	4090	3660	3100	2720	2200		
20	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
		140	462	362	349	297	265	241	213	174	144	90
		180	1220	739	681	579	513	465	405	315	237	155
		250	3910	1990	1830	1550	1370	1230	1050	760	480	
		300	4800	2860	2630	2220	1940	1730	1440	920		
		20	120	025	1.49	1.12	1.06	0.90	0.81	0.74	0.66	0.56
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
300	6900	4380	4140	3520	3120	2830	2460	1910	1430			
20	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
300	6900	4580	4330	3770	3350	3050	2680	2170	1760	1000		
20	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
300	6900	4700	4450	3930	3500	3200	2830	2330	1960	1330		
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	

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small/multi-index

Flat

Torque table

Parallel cam unit

Standard

Torque table

Option

# Output torque table

Index series

●RGIS straight axis (2 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)										
						Input shaft rotational speed (rpm)										
						15	30	45	60	75	100	150	200	300		
Small	Standard	210	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			
			300	6900	4780	4520	4000	3620	3310	2930	2440	2090	1530			
			Wide angle	Table	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			
300	12300	5630				5330	4710	4320	3950	3510	2950	2560	1970			
Flat	Torque table	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			
			300	12300	5670	5370	4750	4350	4030	3590	3020	2640	2080			
			Standard	Torque table	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			
300	12300	5710				5400	4780	4380	4090	3650	3080	2700	2170			
Option	Torque table	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			
			300	12300	5730	5420	4800	4400	4110	3700	3130	2760	2240			

# Discontinue

Index series

## ●RGIS straight axis (2 dwells)

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)								
				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	0.68	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	
		250	2870	1710	1590	1350	1190	1070	920	670	440	
		300	4800	3020	2800	2370	2080	1870	1580	1080	600	
	120	032	1.89	1.49	1.41	1.21	1.08	0.99	0.88	0.75	0.66	0.60
		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
		300	4800	3210	3030	2600	2310	2090	1820	1400	1040	
	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
		300	4800	3310	3130	2750	2440	2220	1950	1570	1270	710
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	
	300	4800	3370	3190	2820	2530	2310	2040	1680	1410	940	
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	
	300	4800	3410	3220	2850	2600	2380	2110	1750	1500	1090	
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	

Product specifications

Small

Standard

Wide angle

Table

Roller gear cam unit

Small/multi-index

Flat

Torque table

Standard

Parallel cam unit

Torque table

Option

# Output torque table

Index series

●RGIS straight axis (2 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)								
						Input shaft rotational speed (rpm)								
						15	30	45	60	75	100	150	200	300
Roller gear cam unit	24	240	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	
			300	6900	4880	4620	4090	3740	3460	3080	2580	2250	1750	
			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	6900	4910	4650	4110	3770	3520	3130	2640	2310	1840				
Roller gear cam unit	300	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			
	300	6900	4930	4660	4130	3780	3530	3180	2690	2360	1910			
	Roller gear cam unit	330	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			
300		6900	4940	4680	4140	3800	3550	3220	2730	2400	1960			
Parallel cam unit		90	90	080	31.8	28.4	28.2	27.1	26.4	25.8	25.0	23.8	21.8	17.1
				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		
	300			3280	2100	1970	1660	1460	1310	1100	740			
	Option	120	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
				300	3280	2190	2070	1790	1590	1440	1240	950	700	
150		150	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
				300	4500	2780	2630	2320	2070	1880	1660	1340	1090	640
180	180	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	

# Discontinue

Index series

## ●RGIS straight axis (2 dwells)

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)								
				15	30	45	60	75	100	150	200	300
30	180	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
		300	4500	2810	2660	2350	2130	1950	1720	1420	1200	810
		080	80.0	66.6	63.1	55.8	51.2	47.3	42.2	36.0	32.1	27.1
	210	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
		300	4500	2830	2680	2370	2170	1990	1770	1470	1260	930
	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
	300	4500	2840	2690	2380	2180	2030	1800	1510	1310	1000	
	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
	300	4500	2850	2700	2390	2190	2040	1830	1540	1350	1060	
	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	
300	4500	2860	2700	2390	2190	2050	1860	1570	1380	1100		
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	
300	4500	2860	2710	2400	2200	2050	1880	1590	1400	1130		
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	
		300	2310	1690	1590	1340	1180	1050	880	570		
	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
		300	3280	2200	2080	1810	1600	1450	1260	970	720	
	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
		300	3280	2240	2120	1870	1680	1520	1340	1080	870	480
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	

Product specifications

Small

Standard

Wide angle

Table

Roller gear cam unit

Small/multi-index

Flat

Torque table

Parallel cam unit

Option

Standard

Torque table

Option

Standard

Torque table

Option

Standard

Torque table

Option

Standard

Torque table

Option

# Output torque table

●RGIS straight axis (2 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)								
						Input shaft rotational speed (rpm)								
						15	30	45	60	75	100	150	200	300
Roller gear cam unit	Small	32	180	180	591	574	567	502	458	419	373	314	273	214
				250	2020	1570	1480	1310	1200	1090	970	810	690	510
				300	3280	2270	2140	1890	1730	1570	1390	1140	950	630
	Standard	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	
	Wide angle	240	180	591	578	572	506	464	429	382	323	283	228	
			250	2020	1580	1500	1320	1210	1120	990	830	720	560	
			300	3280	2280	2160	1910	1740	1610	1430	1180	1010	730	
	Table	270	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	
Small multi-index	300	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		
Flat	330	180	976	712	674	596	547	511	462	392	347	287		
		250	2020	1590	1510	1330	1220	1140	1030	870	760	620		
		300	3280	2300	2170	1920	1760	1640	1480	1240	1080	840		
Torque table	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		
Option	Parallel cam unit	Torque table	300	180	976	714	675	598	548	512	468	397	353	294
				250	2020	1600	1510	1340	1230	1140	1040	880	780	630
				300	3280	2300	2180	1930	1760	1650	1500	1260	1110	880
Option	Parallel cam unit	Torque table	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
Option	Parallel cam unit	Torque table	330	180	976	715	677	599	549	514	471	402	357	299
				250	2020	1600	1510	1340	1230	1150	1050	890	790	650
				300	3280	2300	2180	1930	1770	1650	1510	1280	1130	910



# Discontinue

Index series

Product specifications

Roller gear cam unit	
Small	Standard
Wide angle	Table
Small multi-index	Flat
Torque table	Torque table
Parallel cam unit	
Standard	Torque table
Option	

# Output torque table

Index series

●RGIS straight axis (3 dwells)

Cam curve/MS

Product specifications	Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)								
					Input shaft rotational speed (rpm)								
					10	20	30	40	50	70	100	140	200
Small	24	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
			300	12300	5110	4830	4240	3780	3440	2970	2490	1990	1340
			Standard	24	180	025	2.89	2.26	2.14	1.90	1.71	1.57	1.37
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
300	12300	5310				5020	4440	3990	3650	3170	2690	2230	1660
Wide angle	24	210				025	2.89	2.33	2.20	1.95	1.78	1.63	1.43
			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
			300	12300	5430	5140	4550	4150	3800	3310	2830	2380	1870
			Table	24	240	025	2.89	2.37	2.24	1.99	1.82	1.69	1.48
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
300	12300	5520				5230	4620	4240	3910	3410	2930	2500	2020
Flat	24	270				025	2.89	2.40	2.27	2.01	1.85	1.73	1.51
			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
			300	12300	5590	5290	4680	4290	4000	3500	3010	2580	2130
			Torque table	24	240	025	2.89	2.37	2.24	1.99	1.82	1.69	1.48
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
300	12300	5520				5230	4620	4240	3910	3410	2930	2500	2020
Option	24	240				025	2.89	2.37	2.24	1.99	1.82	1.69	1.48
			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
			300	12300	5520	5230	4620	4240	3910	3410	2930	2500	2020

# Discontinue

Index series

## ●RGIS straight axis (3 dwells)

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)								
				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	
	300	12300	5630	5330	4720	4320	4040	3560	3080	2650	2210	
	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		
300	12300	5670	5360	4750	4350	4070	3620	3130	2710	2270		
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
		300	6900	4380	4140	3590	3200	2910	2490	2050	1570	890
	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		
300	6900	4580	4330	3830	3420	3120	2700	2280	1850	1300		
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	
	300	6900	4700	4450	3930	3580	3270	2840	2420	2020	1550	
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	

Product specifications

Small

Standard

Wide angle

Table

Roller gear cam unit

Small multi-index

Flat

Torque table

Standard

Torque table

Option

Parallel cam unit

Torque table

Option

Option

# Output torque table

●RGIS straight axis (3 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)												
						Input shaft rotational speed (rpm)												
						10	20	30	40	50	70	100	140	200				
Small	Standard	30	210	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				
				300	6900	4780	4520	4000	3660	3380	2940	2520	2140	1700				
				Wide angle	Table	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				
300	12300	5630	5330					4720	4320	4030	3520	3030	2600	2130				
Flat	Torque table	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				
				300	12300	5670	5370	4750	4360	4070	3590	3100	2670	2220				
				Standard	Torque table	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				
300	12300	5710	5400					4780	4380	4090	3650	3160	2730	2290				
Option	Torque table	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				
				300	12300	5730	5420	4800	4400	4110	3700	3200	2780	2350				

# Discontinue

Index series

## ●RGIS straight axis (3 dwells)

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)								
				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	
		300	4800	3020	2860	2430	2150	1940	1620	1250	790	
	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
		300	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
		300	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	
300		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	
	300	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	

Product specifications

Small

Standard

Wide angle

Table  
Small/multi-index

Flat

Torque table

Standard  
Parallel cam unit

Torque table

Option

Option

# Output torque table

Index series

●RGIS straight axis (3 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)												
						Input shaft rotational speed (rpm)												
						10	20	30	40	50	70	100	140	200				
Small	Standard	36	240	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				
				300	6900	4880	4620	4090	3750	3500	3080	2650	2280	1880				
				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								
300	6900	4910	4650	4110	3770	3520	3140	2710	2340	1950								
Wide angle	Table	36	300	032	2.70	2.33	2.21	1.95	1.79	1.68	1.51	1.31	1.15	1.00				
				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				
				300	6900	4930	4660	4130	3790	3540	3180	2750	2380	2010				
				Flat	Torque table	36	330	032	2.70	2.34	2.21	1.96	1.80	1.68	1.52	1.33	1.17	1.01
								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				
300	6900	4940	4680					4140	3800	3550	3200	2790	2420	2050				
Option	Standard	48	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					
				300	2310	1700	1600	1380	1210	1090	910	680	390					
			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				
				300	3280	2210	2080	1840	1640	1490	1280	1050	800	440				
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							
	300	3280	2240	2120	1880	1710	1560	1350	1130	920	640							
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							

# Discontinue

Index series

## ●RGIS straight axis (3 dwells)

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)								
				10	20	30	40	50	70	100	140	200
48	180	180	591	574	567	502	460	427	373	322	277	229
		250	2020	1570	1490	1310	1200	1120	970	830	710	560
		300	3280	2270	2140	1900	1740	1610	1400	1190	990	750
	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
		300	3280	2280	2160	1910	1750	1630	1430	1230	1040	820
	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	3280	2300	2170	1920	1760	1650	1480	1280	1100	900
	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	
300		3280	2300	2180	1930	1770	1650	1490	1300	1120	930	
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	
	300	3280	2300	2180	1930	1770	1650	1490	1310	1140	950	

Product specifications

Small	Standard	Wide angle	Table	Small/multi-index	Flat	Torque table
Parallel cam unit	Torque table	Option				

# Output torque table

●RGIS straight axis (4 dwells)

Cam curve/MS

Product specifications	Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)								
					Input shaft rotational speed (rpm)								
					10	15	20	30	40	50	75	100	150
Small	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
			300	12300	5310	5020	4600	4050	3610	3290	2750	2380	1810
			Standard	32	210	025	2.89	2.33	2.20	2.02	1.79	1.61	1.48
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
300	12300	5430				5140	4720	4170	3760	3430	2890	2520	1990
Wide angle	32	240				025	2.89	2.37	2.24	2.06	1.82	1.67	1.53
			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
			300	12300	5520	5230	4790	4240	3870	3540	2990	2630	2120
			Table	32	270	025	2.89	2.40	2.27	2.09	1.85	1.69	1.56
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
300	12300	5590				5290	4850	4290	3930	3620	3070	2700	2210
Flat	32	300				025	2.89	2.43	2.30	2.11	1.87	1.71	1.59
			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
			300	12300	5630	5330	4890	4330	3960	3690	3130	2770	2280
			Torque table	32	240	025	2.89	2.37	2.24	2.06	1.82	1.67	1.53
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
300	12300	5520				5230	4790	4240	3870	3540	2990	2630	2120
Torque table	32	270				025	2.89	2.40	2.27	2.09	1.85	1.69	1.56
			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
			300	12300	5590	5290	4850	4290	3930	3620	3070	2700	2210
			Option	32	300	025	2.89	2.43	2.30	2.11	1.87	1.71	1.59
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
300	12300	5630				5330	4890	4330	3960	3690	3130	2770	2280



# Discontinue

Index series

## ●RGIS straight axis (4 dwells)

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)									
				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	
300	12300	5670	5360	4920	4350	3990	3730	3180	2820	2340			
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	
		300	12300	5240	4960	4550	3950	3520	3200	2660	2270	1650	
	36	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	
300		12300	5410	5120	4690	4150	3700	3380	2830	2460	1890		
36		210	025	2.13	1.75	1.65	1.52	1.34	1.22	1.12	0.95	0.85	0.73
			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	
	300	12300	5510	5220	4780	4230	3830	3500	2950	2580	2060		
	36	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	
300		12300	5590	5290	4850	4290	3930	3600	3040	2680	2170		

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small/multi-index

Flat

Torque table

Parallel cam unit

Standard

Torque table

Option

# Output torque table

Index series

●RGIS straight axis (4 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)								
						Input shaft rotational speed (rpm)								
						10	15	20	30	40	50	75	100	150
Small	Standard	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
300	12300	5640	5340	4890	4330	3970	3670	3110	2750	2260				
Wide angle	Table	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
300	12300	5670	5370	4930	4360	3990	3730	3170	2810	2320				
Small multi-index	Flat	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
300	12300	5700	5400	4950	4380	4020	3750	3220	2860	2380				
Torque table	Standard	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
300	6900	4580	4330	3970	3470	3090	2810	2340	2000	1460				
Option	Torque table	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
300	6900	4700	4450	4080	3600	3230	2950	2480	2150	1660				

# Discontinue

Index series

## ●RGIS straight axis (4 dwells)

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)								
				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
	300	6900	4780	4520	4150	3670	3340	3050	2570	2250	1800	
	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
	300	12300	5630	5330	4890	4320	3960	3650	3090	2720	2220	
	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	12300	5670	5370	4930	4360	3990	3720	3150	2790	2300	
	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	
300	12300	5710	5400	4950	4380	4020	3750	3210	2840	2360		
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	
300	12300	5730	5420	4970	4400	4040	3770	3250	2890	2410		

Product specifications

Small

Standard

Wide angle

Table

Small/multi-index

Flat

Torque table

Standard

Torque table

Option

Parallel cam unit

# Output torque table

Index series

●RGIS straight axis (4 dwells)

Cam curve/MS

Product specifications	Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)											
					Input shaft rotational speed (rpm)											
					10	15	20	30	40	50	75	100	150			
Roller gear cam unit	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			
			300	4800	3210	3040	2780	2400	2130	1930	1570	1300	820			
			Roller gear cam unit	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			
300	4800	3310				3130	2870	2530	2250	2050	1700	1460	1050			
Roller gear cam unit	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			
			300	4800	3370	3190	2920	2580	2340	2130	1790	1550	1190			
			Parallel cam unit	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			
300	4800	3410				3230	2960	2620	2390	2190	1850	1620	1280			
Option	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			
			300	6900	4880	4620	4240	3750	3440	3190	2700	2380	1950			
			Option	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			

# Discontinue

Index series

## ●RGIS straight axis (4 dwells)

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)								
				10	15	20	30	40	50	75	100	150
48	270	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
		300	6900	4910	4650	4260	3770	3460	3230	2750	2440	2010
	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
		300	6900	4930	4670	4280	3790	3470	3240	2790	2480	2060
	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
		300	6900	4940	4680	4290	3800	3480	3250	2830	2510	2100

Product specifications

Roller gear cam unit	Small
	Standard
	Wide angle
Torque table	Table
	Small/multi-index
	Flat
Parallel cam unit	Torque table
	Standard
Option	Torque table

# 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)	Dynamic rated output torque (N-m)								
						Input shaft rotational speed (rpm)								
						30	60	90	120	150	200	300	400	600
Roller gear cam unit	Small	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		
	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					
	300		12300	3680	3340	2780	2380	2050	1540					
	350		19000	6990	6340	5270	4510	3870						
	450	19800	10100	9000	7100	5600								
	Wide angle	2	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		
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					
300			12300	3910	3590	3010	2610	2280	1800					
350			19000	7440	6840	5730	4950	4320						
450	19800	10700	9700	7800	6400	5000								
Table	2	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		
		110	591	301	281	240	214	196	174	145	124	92		
		140	1160	631	590	503	448	409	362	298	250			
		180	3030	1510	1410	1200	1070	970	850	690	550			
		250	10400	3430	3200	2710	2400	2160	1850	1370				
		300	16500	6720	6260	5290	4660	4170	3520					
		350	19000	7840	7290	6130	5340	4720	3840					
450	34400	12600	11600	9500	8000	6600								
Flat	3	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		
		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		
		Torque table	3	150	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	
				180	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
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		
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		
300	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	
Option	Parallel cam unit	150	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			
		180	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		
		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		
		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		
		300	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	
Torque table	Parallel cam unit	150	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			
		180	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		
		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		
		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		
		300	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	

# Discontinue

Index series

## ●RGIS flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)								Product specifications		
				Input shaft rotational speed (rpm)										
				30	60	90	120	150	200	300	400		600	
3	180	063	85.1	44.1	39.8	33.9	30.2	27.6	24.4	20.1	16.9	11.5	Small Standard Wide angle Table Small/multi-index Flat Torque table Parallel cam unit Torque table Option	
		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					
		300	12300	3670	3250	2670	2230	1840						
		350	18800	7810	6930	5690	4770	3960						
		450	19800	10000	8600	6500								
		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							
300	12300	4010	3620	3010	2580	2220	1660							
350	18800	8560	7740	6440	5530	4760	3610							
450	34400	12300	10900	8700										
3	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				
		300	16500	7020	6470	5460	4780	4260	3550					
		350	20200	11500	10500	8900	7700	6800	5600					
450	34400	13100	11900	9700										
3	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	16500	7420	6910	5850	5160	4630	3930	2770				
		350	20200	12100	11200	9500	8300	7500	6300					
450	34400	13800	12700	10500	8800									
3	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		

# 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)	Dynamic rated output torque (N-m)										
						Input shaft rotational speed (rpm)										
						30	60	90	120	150	200	300	400	600		
Roller gear cam unit	3	300	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				
			300	16500	7740	7290	6190	5470	4930	4240	3150					
			350	20200	12600	11900	10000	8900	8000	6800						
			450	34400	14400	13400	11100	9500								
			450	34400	14400	13400	11100	9500								
		Roller gear cam unit	3	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				
300	16500				8010	7500	6470	5730	5190	4500	3450					
350	20200				13000	12300	10500	9300	8400	7200	5400					
450	34400				14800	13900	11700	10100								
Roller gear cam unit	4				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	
		120	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				
			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						
			300	6900	3340	2940	2390	1970	1590	960						
			350	14200	4540	3960	3150	2500	1870							
450	18100	8480	7140	5210	3400											
Parallel cam unit	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					
			300	6900	3670	3310	2750	2340	1990	1460						
			350	14200	4980	4470	3660	3050	2500	1620						
			450	18100	9280	8140	6340	4790	3260							
			Option	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				



# Discontinue

Index series

## ●RGIS flange shaft (1 dwell)

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
4	210	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		
		300	6900	3920	3600	3020	2610	2280	1800	880		
		350	14200	5310	4860	4040	3440	2940	2180			
		450	19800	12400	11200	9100	7500	6000				
		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	
	300		12300	4800	4480	3770	3310	2940	2440	1560		
	350		19000	9210	8590	7240	6340	5630	4660	2930		
	450		19800	13000	12000	9900	8300	7000				
	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	
		300	12300	4970	4690	3970	3500	3130	2650	1850		
		350	19000	9560	9010	7630	6710	6010	5080	3510		
		450	19800	13400	12500	10400	8900	7700	5700			
	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	
		300	12300	5110	4820	4130	3650	3290	2820	2070		
		350	18800	11000	10400	8900	7900	7100	6100	4500		
		450	19800	13700	12900	10900	9400	8200	6400			
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	

Product specifications

Small

Standard

Wide angle

Table

Small/multi-index

Flat

Torque table

Standard

Torque table

Option

Parallel cam unit

Option

Option

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)	Dynamic rated output torque (N·m)								
						Input shaft rotational speed (rpm)								
						30	60	90	120	150	200	300	400	600
Roller gear cam unit	4	330	300	12300	5220	4930	4260	3780	3410	2950	2240	1610		
			350	18800	11300	10600	9200	8100	7400	6400	4900	3500		
			450	19800	14000	13200	11300	9800	8600	7000				
		Small	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			
				300	4500	1970	1670	1290	960					
				350	5550	2760	2310	1710	1150					
				450	13800	4520	3420							
				Wide angle	150	032	1.89	1.20	1.09	0.93	0.83	0.75	0.67	0.55
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					
300	4800	2660	2370			1930	1600	1300	800					
350	7950	4340	3840			3100	2520	1980						
450	13800	5060	4210											
Table	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				
		300	4800	2860	2600	2160	1840	1570	1160					
		350	7950	4670	4240	3500	2950	2480						
		450	18300	9000	8040	6370	5000	3680						
Flat	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			
		300	6900	4230	3930	3310	2890	2560	2090	1240				
		350	7950	4900	4540	3780	3250	2810						
		450	18300	9420	8620	7000	5750	4600						
Torque table	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		
Option	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		

# Discontinue

Index series

## ●RGIS flange shaft (1 dwell)

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	
5	240	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		
		300	6900	4380	4130	3490	3060	2740	2300	1550	790		
		350	14200	5920	5560	4680	4080	3610	2940	1710			
		450	18100	10900	10200	8400	7100	6000	4200				
		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		6900	4490	4240	3630	3200	2880	2460	1770	1110		
	350		14200	6060	5710	4880	4280	3820	3190	2090			
	450		18100	11100	10400	8800	7500	6500	4900				
	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	
		300	6900	4580	4320	3740	3310	2990	2580	1940	1350		
		350	14200	6180	5820	5030	4430	3980	3370	2370			
		450	18100	11300	10600	9100	7900	6900	5400	2600			
		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	
	300		6900	4650	4390	3840	3400	3080	2680	2070	1530		
350	14200		6270	5910	5160	4560	4110	3520	2580	1710			
450	18100		11500	10800	9300	8100	7200	5800	3300				
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	6.52	6.11	5.85	5.65	5.48	5.20	4.03	2.98	0.81
	90	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	

Product specifications

Small

Standard

Wide angle

Table

Small multi-index

Flat

Torque table

Standard

Torque table

Option

Parallel cam unit

Torque table

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)	Dynamic rated output torque (N·m)										
						Input shaft rotational speed (rpm)										
						30	60	90	120	150	200	300	400	600		
Roller gear cam unit	Small	90	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						
			300	12300	3590	3070	2400	1840								
	Standard	120	350	19000	6820	5830	4540	3450								
			450	34400	10900	8700	5700									
			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				
Wide angle	150	180	4270	2210	1980	1680	1480	1340	1150	860	600					
		250	10400	3570	3180	2670	2320	2030	1620							
		300	16500	7010	6220	5180	4440	3830	2900							
		350	18800	9140	8070	6640	5580	4640	3160							
		450	34400	13000	11200	8600	6200									
		Table	6	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			
Torque table	6	150	300	16500	7740	7040	5920	5180	4590	3760	2270					
			350	20200	12600	11400	9600	8300	7300	5900						
			450	45100	16600	14900	12000	9800	7800							
			Flat	180	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				
Torque table	180	180	300	16500	8230	7630	6460	5690	5110	4330	3040	1790				
			350	20200	13400	12400	10400	9200	8200	6900	4600					
			450	45100	17600	16200	13300	11300	9500							
			Option	210	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			

# Discontinue

Index series

## ●RGIS flange shaft (1 dwell)

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	
6	210	250	10400	4340	4090	3480	3090	2800	2440	1910	1450		
		300	16500	8580	8080	6860	6070	5480	4730	3560	2490		
		350	20200	13900	13100	11100	9800	8800	7500	5500	3500		
		450	45100	18300	17100	14300	12300	10600	8100				
		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			
	300	16500	8840	8350	7160	6350	5760	5020	3920	2980			
	350	20200	14300	13500	11600	10200	9300	8000	6100	4400			
	450	45100	18800	17600	14900	13000	11400	9200					
	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	660	580	470	
		180	4270	2840	2690	2340	2090	1910	1700	1430	1240	960	
		250	10400	4560	4310	3740	3330	3040	2680	2180	1790	1100	
		300	16500	9020	8530	7400	6580	5980	5240	4190	3330	1680	
		350	20200	14600	13800	12000	10600	9600	8400	6600	5100		
		450	45100	19100	18000	15500	13500	12000	9900				
		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	
	300		16500	9160	8660	7600	6760	6160	5420	4390	3590	2120	
	350		20200	14800	14000	12300	10900	9900	8700	7000	5600		
	450		45100	19400	18300	15900	14000	12500	10500				
	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		

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small/multi-index

Flat

Torque table

Parallel cam unit

Standard

Torque table

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)	Dynamic rated output torque (N·m)												
						Input shaft rotational speed (rpm)												
						30	60	90	120	150	200	300	400	600				
Small	Standard	6	330	250	10400	4680	4420	3910	3490	3190	2820	2340	1990	1410				
				300	16500	9270	8770	7750	6910	6300	5560	4560	3790	2460				
				350	20200	15000	14200	12500	11100	10100	8900	7200	5900	3500				
				400	45100	19600	18500	16200	14300	12900	11000	7800						
				450														
		Wide angle	Table	8	90	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		
						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			
Flat	Torque table	8	120	180	2100	1050	930	780	680	600	490	280						
				250	4150	2180	1900	1570	1310	1090	740							
				300	6900	3640	3150	2530	2030	1560								
				350	14200	4930	4210	3280	2490	1700								
				450	19800	11500	9500	6900	4300									
				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				
Option	Parallel cam unit	8	150	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						
				300	12300	4790	4300	3580	3060	2630	1980							
				350	19000	9190	8260	6860	5860	5020	3740							
				450	19800	12900	11300	9000	7000									
				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					
Option	Torque table	8	180	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					
				300	12300	5100	4700	3950	3450	3050	2480							
				350	18800	11000	10100	8500	7400	6600	5400							
450	19800	13700	12500	10200	8500													
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									

# Discontinue

Index series

## ●RGIS flange shaft (1 dwell)

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
8	180	300	12300	5300	4980	4210	3700	3310	2790	1920		
		350	18800	11400	10700	9100	8000	7200	6100	4200		
		450	34400	16100	15000	12500	10700	9200	6900			
	210	025	2.13	1.72	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
		300	12300	5430	5120	4390	3880	3500	3000	2220	1490	
		350	18800	11700	11100	9500	8400	7600	6500	4800	3300	
	450	34400	16500	15500	13100	11400	10000	7900				
	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
		300	12300	5520	5210	4530	4010	3630	3150	2430	1790	
		350	18800	11900	11300	9800	8700	7900	6800	5300	3900	
	450	34400	16800	15800	13600	11900	10500	8700				
	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
		300	12300	5580	5280	4640	4120	3740	3270	2580	2010	
		350	18800	12100	11400	10000	8900	8100	7100	5600	4400	
	450	34400	17000	16000	13900	12300	11000	9200				
	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	
300		12300	5630	5320	4700	4200	3820	3360	2700	2170		
350		20200	15200	14400	12700	11400	10400	9100	7400	6100		
450	34400	17100	16100	14200	12600	11300	9600					

Product specifications

Small

Standard

Wide angle

Table

Small multi-index

Flat

Torque table

Standard

Torque table

Option

Parallel cam unit

Option

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)	Dynamic rated output torque (N·m)								
						Input shaft rotational speed (rpm)								
						30	60	90	120	150	200	300	400	600
Small	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
300	12300	5670	5360	4730	4270	3890	3430	2790	2290	1400				
350	20200	15300	14500	12800	11600	10600	9300	7700	6400	4200				
450	34400	17200	16200	14300	12800	11500	9900							
Wide angle	Table	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				
			300	6900	3850	3350	2710	2220	1760	1000				
350	14200	5210	4490	3550	2770	2020								
450	18100	9620	7960	5700	3530									
Flat	Torque table	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			
300	6900	4250	3840	3200	2740	2360	1790							
350	14200	5750	5170	4260	3580	2990	2040							
450	19800	13300	11800	9500	7600	5700								
Standard	Torque table	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		
300	12300	5230	4850	4090	3580	3180	2620	1630						
350	19000	10100	9400	7900	6900	6100	5000	3100						
450	19800	14000	12900	10600	8900	7400								
Option	Torque table	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	



# Discontinue

Index series

## ●RGIS flange shaft (1 dwell)

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
9	180	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
		300	12300	5400	5090	4320	3800	3420	2900	2050		
		350	19000	10400	9800	8300	7300	6600	5600	3900		
	450	19800	14400	13500	11300	9700	8300	6300				
	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	

Product specifications

Small

Standard

Wide angle

Table

Small/multi-index

Flat

Torque table

Standard

Torque table

Option

Parallel cam unit

Torque table

Option

Torque table

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)	Dynamic rated output torque (N·m)									
						Input shaft rotational speed (rpm)									
						30	60	90	120	150	200	300	400	600	
Roller gear cam unit	Small	9	300	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	
				300	12300	5670	5360	4740	4260	3880	3410	2760	2250		
				350	18800	12300	11600	10300	9200	8400	7400	6000	4900		
				450	19800	15100	14300	12500	11200	10100	8600				
				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					
300	12300	5700	5390	4760	4330	3940	3480	2850	2360	1510					
350	18800	12400	11700	10300	9400	8600	7600	6200	5200	3300					
450	19800	15200	14300	12600	11400	10300	8800	6600							
Roller gear cam unit	Wide angle	90	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	2.65	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							
	300	4800	2850	2480	1990	1600	1230								
	350	7950	4640	4020	3180	2490	1830								
	450	18300	8910	7430	5370	3400									
	Roller gear cam unit	Table	10	120	025	1.49	1.12	1.03	0.87	0.78	0.71	0.63	0.53	0.46	
					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						
300		6900	4370	3980	3320	2860	2480	1920							
350		14200	5900	5340	4420	3740	3170	2260							
450		18100	10800	9600	7700	6100	4500								
Roller gear cam unit		Flat	150	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					
	300	6900	4570	4260	3590	3140	2790	2300	1440						
	Option	Parallel cam unit	Standard	Torque table	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

# Discontinue

Index series

## ●RGIS flange shaft (1 dwell)

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		
10	150	350	14200	6170	5730	4800	4160	3640	2890					
		450	18100	11300	10400	8500	7100	5800	3800					
	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			
		300	6900	4700	4430	3770	3320	2990	2540	1800	1080			
		350	19000	10600	10000	8500	7500	6700	5800	4100	2600			
		450	19800	14600	13700	11500	9900	8600	6700					
	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		
		300	6900	4770	4510	3900	3450	3120	2690	2030				
		350	19000	10800	10200	8800	7800	7100	6100	4600				
		450	19800	14900	14000	12000	10400	9200	7500					
	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		
		300	12300	5630	5320	4670	4150	3760	3290	2590	2000			
		350	19000	10900	10300	9000	8000	7300	6400	5000	3800			
		450	19800	15000	14100	12300	10800	9600	8000	5200				
	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		12300	5670	5360	4730	4240	3850	3380	2720	2180				
350		19000	11000	10400	9200	8200	7500	6500	5200	4200				
450		19800	15100	14200	12500	11100	9900	8400	5900					

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small/multi-index

Flat

Torque table

Standard  
Parallel cam unit  
Torque table

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)	Dynamic rated output torque (N·m)										
						Input shaft rotational speed (rpm)										
						30	60	90	120	150	200	300	400	600		
Small	Standard	10	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		
				300	12300	5700	5390	4760	4310	3930	3460	2810	2320	1420		
				350	19000	11100	10400	9200	8300	7600	6700	5400	4500	2700		
				450	19800	15200	14300	12600	11300	10200	8700	6400				
				Wide angle	Table	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			
300	12300	5730	5420				4790	4370	3990	3520	2890	2420	1610			
350	19000	11100	10500				9300	8500	7700	6800	5600	4700	3100			
450	19800	15200	14400				12700	11500	10400	9000	6800					
Flat	Torque table	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						
			300	4800	3010	2660	2160	1780	1440	860						
			350	7950	4920	4320	3480	2810	2190	1130						
			450	13800	5630	4630										
			Standard	Torque table	12	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					
300	4800	3200				2940	2450	2100	1820	1390						
350	7950	5250				4800	3980	3390	2890	2110						
450	13800	5990				5300										
Option	Torque table	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			

# Discontinue

Index series

## ●RGIS flange shaft (1 dwell)

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	
12	150	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		
		300	4800	3310	3100	2610	2280	2020	1650	990			
		350	7950	5420	5080	4260	3700	3260	2610	1390			
		450	18300	10300	9600	7900	6600	5500	3800				
		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		
	300		4800	3370	3170	2720	2400	2150	1810	1250			
	350		7950	5530	5200	4450	3910	3480	2910	1900			
	450		18300	10500	9800	8300	7100	6100	4700				
	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	
		300	4800	3410	3210	2800	2480	2240	1920	1420	960		
		350	7950	5590	5270	4590	4050	3640	3100	2220			
		450	18300	10600	10000	8600	7500	6600	5300	2800			
	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	
		300	6900	4880	4610	4070	3630	3300	2880	2280	1790	820	
		350	7950	5630	5320	4680	4160	3760	3240	2440			
		450	18300	10700	10000	8800	7700	6900	5700	3600			
	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		6900	4910	4640	4100	3700	3370	2960	2390	1930	1090		
350		7950	5660	5350	4710	4240	3850	3340	2600				
450		18300	10700	10100	8900	7900	7100	6000	4100				

Product specifications

Small

Standard

Wide angle

Table

Small/multi-index

Flat

Torque table

Standard

Torque table

Option

Parallel cam unit

Option

Option

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)	Dynamic rated output torque (N-m)												
						Input shaft rotational speed (rpm)												
						30	60	90	120	150	200	300	400	600				
Small	Standard	12	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				
				300	6900	4930	4660	4120	3750	3420	3020	2460	2040	1290				
				350	7950	5680	5370	4740	4310	3920	3430	2720						
				450	18300	10800	10200	8900	8100	7300	6200	4500						
				Wide angle	Table	12	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				
300	6900	4940	4670					4130	3780	3470	3070	2530	2120	1440				
350	7950	5700	5390					4760	4340	3980	3490	2810	2260					
450	18300	10800	10200					9000	8100	7400	6400	4800	3300					
Small multi-index	Flat	90	080					80.0	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								
			300	3280	2090	1860	1510	1230	980	550								
			350	5210	3010	2650	2110	1660	1220									
			450	7730	5050	4250	2990	1760										
			Torque table	Standard	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				
						300	3280	2180	2020	1680	1430	1230	910					
						350	5550	3820	3530	2920	2480	2100	1520					
450	7730	5280				4740	3690	2790										
Option	Torque table	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			
						300	4500	2770	2610	2220	1940	1720	1420	870				
						350	5550	3910	3670	3100	2690	2350	1870	950				
			450	7730	5400	4980	4060	3300	2600									
			Parallel cam unit	Torque table	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			
						300	4500	2810	2650	2290	2020	1810	1540	1080	630			

# Discontinue

Index series

## ●RGIS flange shaft (1 dwell)

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
15	180	350	5550	3950	3720	3220	2820	2510	2080	1330		
		450	7730	5460	5080	4290	3610	3010				
	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
		300	4500	2830	2670	2350	2080	1880	1620	1210	840	
		350	5550	3980	3750	3290	2910	2610	2220	1560	920	
		450	7730	5500	5140	4440	3810	3280	2460			
	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	1890	1660	1500	1370	1200	980	800	480
		300	4500	2840	2680	2360	2130	1930	1680	1300	970	
		350	5550	4000	3780	3320	2980	2690	2310	1720	1180	
		450	7730	5530	5180	4500	3960	3460	2740			
	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
		300	4500	2850	2690	2370	2160	1970	1720	1360	1070	
		350	5550	4010	3790	3340	3030	2750	2380	1840	1360	
		450	7730	5550	5210	4550	4070	3600	2930			
	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
		300	4500	2860	2700	2380	2180	2000	1750	1410	1140	
		350	5550	4020	3800	3350	3050	2800	2440	1920	1490	
		450	7730	5560	5230	4580	4120	3700	3080			
	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
		300	4500	2860	2710	2390	2180	2020	1780	1450	1200	750
		350	5550	4030	3810	3360	3070	2840	2490	1990	1590	820
		450	7730	5570	5250	4600	4150	3790	3200	2200		
16	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			
		300	2310	1680	1500	1200	970	750				
		350	5210	3040	2700	2150	1710	1290				
		450	5410	3580	2950							
	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		

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small multi-index

Flat

Torque table

Parallel cam unit

Standard

Torque table

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)	Dynamic rated output torque (N·m)							
						Input shaft rotational speed (rpm)							
						30	60	90	120	150	200	300	400
Roller gear cam unit	Small	120	300	3280	2200	2040	1700	1460	1250	950	330		
			350	5210	3160	2920	2410	2030	1710	1190			
			450	7730	5320	4800	3760	2880	2020				
	Standard	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	
			300	3280	2240	2110	1790	1560	1380	1120	650		
	Wide angle	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		
300			3280	2260	2130	1850	1630	1460	1230	830			
Table	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	
		300	3280	2280	2150	1890	1680	1510	1290	950	620		
Small multi-index	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	
		300	3280	2290	2160	1900	1710	1550	1340	1030	740		
Flat	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	3280	2290	2170	1910	1740	1580	1380	1080	830		
Torque table	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	
		300	3280	2300	2170	1920	1750	1610	1410	1130	900		
Parallel cam unit	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	1330	1220	1130	1000	820	690	470	
		300	3280	2300	2170	1920	1750	1610	1410	1130	900		
Option	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	1330	1220	1130	1000	820	690	470	
		300	3280	2300	2170	1920	1750	1610	1410	1130	900		



# Discontinue

Index series

## ●RGIS flange shaft (1 dwell)

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	
16	330	250	2020	1600	1510	1340	1220	1140	1010	840	710	510	
		300	3280	2300	2180	1920	1750	1630	1430	1160	950	550	
		350	5550	4030	3810	3370	3070	2850	2500	2010	1620	880	
		450	7730	5570	5250	4610	4160	3810	3230	2260			

Product specifications

Roller gear cam unit	Small
	Standard
	Wide angle
	Table
	Small multi-index
	Flat
Parallel cam unit	Torque table
	Standard
Option	Torque table

# Output torque table

Index series

●RGIS flange shaft (2 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)							
						Input shaft rotational speed (rpm)							
						15	30	45	60	75	100	150	200
Small	Standard	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	
Wide angle	Table	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
Flat	Torque table	16	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	3830	3620	3170	2820	2570	2270	1850	1520	950
Option	Torque table	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 unit	Torque table	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

# Discontinue

Index series

## ●RGIS flange shaft (2 dwells)

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)								
				15	30	45	60	75	100	150	200	300
16	240	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
		300	12300	5520	5220	4610	4180	3810	3350	2730	2250	1400
		350	20200	14900	14100	12500	11300	10300	9100	7500	6300	4200
		450	34400	16800	15800	13900	12500	11300	9700			
	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	12300	5580	5280	4670	4270	3900	3450	2840	2390	1620	
	350	20200	15100	14300	12600	11600	10600	9400	7800	6600	4700	
	450	34400	17000	16000	14100	12800	11700	10100				
	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
	300	12300	5630	5330	4710	4310	3980	3530	2930	2500	1790	
	350	20200	15200	14400	12800	11700	10800	9600	8000	6900	5100	
	450	34400	17100	16200	14300	13000	11900	10400				
	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	
300	12300	5670	5360	4740	4340	4050	3590	3000	2580	1920		
350	20200	15300	14500	12800	11800	11000	9800	8200	7100	5400		
450	34400	17200	16300	14400	13100	12200	10700					
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

Product specifications

Small

Standard

Wide angle

Table  
Roller gear cam unit

Small multi-index

Flat

Torque table

Standard

Parallel cam unit

Torque table

Option

# Output torque table

Index series

●RGIS flange shaft (2 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)								
						Input shaft rotational speed (rpm)								
						15	30	45	60	75	100	150	200	300
Roller gear cam unit	Small	120	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		
			300	6900	4260	4000	3370	2960	2630	2190	1410			
			350	14200	5760	5390	4530	3930	3460	2780	1490			
			450	19800	13400	12500	10300	8800	7400	5400				
	Standard	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	
Wide angle	180	180	2100	1310	1240	1080	960	880	770	640	540	370		
		250	5840	3780	3570	3090	2750	2500	2190	1760	1400	730		
		300	12300	5240	4950	4260	3770	3410	2940	2200	1530			
		350	19000	10100	9500	8200	7300	6600	5600	4200	2900			
		450	19800	14100	13200	11300	9800	8600	6900					
		Table	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		
Small multi-index	180	300	12300	5400	5110	4490	3980	3620	3160	2480	1920			
		350	19000	10400	9900	8700	7700	7000	6100	4800	3700			
		450	19800	14500	13600	11900	10400	9300	7700					
		Flat	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		
Torque table	210	300	12300	5510	5210	4600	4130	3760	3310	2670	2160			
		350	18800	11900	11300	10000	8900	8100	7200	5800	4700			
		450	19800	14700	13900	12200	10900	9800	8300					
		Option	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		

# Discontinue

Index series

## ●RGIS flange shaft (2 dwells)

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)										
				15	30	45	60	75	100	150	200	300		
18	240	250	5840	4040	3830	3380	3090	2820	2510	2090	1810	1360		
		300	12300	5580	5280	4670	4250	3880	3420	2800	2330	1520		
		350	18800	12100	11400	10100	9200	8400	7400	6100	5100	3300		
		450	19800	14900	14100	12400	11200	10100	8700	6600				
		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			
	300	12300	5640	5330	4710	4310	3960	3510	2900	2460	1720			
	350	18800	12200	11600	10200	9300	8600	7600	6300	5300	3800			
	450	19800	15000	14200	12500	11400	10400	9000	7000					
	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		
		300	12300	5670	5370	4750	4340	4040	3580	2980	2560	1880		
		350	18800	12300	11600	10300	9400	8800	7800	6500	5600	4100		
		450	19800	15100	14300	12600	11500	10600	9300	7400				
		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		
	300		12300	5700	5400	4770	4370	4080	3640	3040	2630	1990		
	350		18800	12400	11700	10400	9500	8800	7900	6600	5700	4400		
	450		34400	17300	16400	14400	13200	12300	10800	8700	7100			
	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		
180		1220		739	680	575	507	456	388	276	169			
250		3910		1990	1820	1530	1340	1180	960	550				
300		4800		2860	2600	2160	1840	1570	1160					
350		7950		4670	4240	3500	2950	2480	1720					
450		18300		9000	8040	6370	5000	3680						

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Table

Small multi-index

Flat

Torque table

Standard

Torque table

Option

Parallel cam unit

# Output torque table

Index series

●RGIS flange shaft (2 dwells)

Cam curve/MS

Product specifications	Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)							
					Input shaft rotational speed (rpm)							
					15	30	45	60	75	100	150	200
Small	120	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	9.99	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	
		300	6900	4380	4130	3490	3060	2740	2300	1550	790	
		350	14200	5920	5560	4680	4080	3610	2940	1710		
450	18100	10900	10200	8400	7100	6000	4200					
Wide angle	150	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
		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
		300	6900	4580	4320	3740	3310	2990	2580	1940	1350	
		350	14200	6180	5820	5030	4430	3980	3370	2370		
450	19800	14300	13400	11500	10100	8900	7200	4100				
Table	20	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	7840	700	610	460
		250	4150	2840	2680	2370	2110	1920	1690	1380	1130	690
		300	6900	4700	4440	3910	3480	3160	2760	2170	1680	
		350	14200	6330	5980	5260	4660	4220	3640	2750	1960	
450	19800	14700	13800	12100	10600	9500	8000	5400				
Small multi-index	180	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
		300	6900	4780	4520	3990	3600	3280	2880	2320	1880	1070
		350	19000	10800	10200	9000	8100	7400	6500	5300	4300	2500
450	19800	14900	14000	12300	11100	10000	8500	6200				
Torque table	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
Flat	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
		300	6900	4780	4520	3990	3600	3280	2880	2320	1880	1070
		350	19000	10800	10200	9000	8100	7400	6500	5300	4300	2500
450	19800	14900	14000	12300	11100	10000	8500	6200				
Torque table	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

# Discontinue

Index series

## ●RGIS flange shaft (2 dwells)

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)									
				15	30	45	60	75	100	150	200	300	
20	240	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	
		300	12300	5630	5300	4710	4300	3930	3470	2860	2400	1610	
		350	19000	10900	10300	9100	8300	7600	6700	5500	4600	3100	
		450	19800	15000	14200	12500	11400	10300	8900	6800	4900		
		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	
	300		12300	5670	5370	4740	4340	4010	3560	2950	2510	1800	
	350		19000	11000	10400	9200	8400	7800	6900	5700	4900	3500	
	450		19800	15100	14300	12600	11500	10500	9200	7200	5500		
	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	
		300	12300	5700	5400	4770	4370	4080	3620	3020	2600	1940	
		350	19000	11100	10500	9200	8500	7900	7000	5800	5000	3700	
		450	19800	15200	14400	12700	11600	10700	9400	7500	6000		
		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		
300	12300		5730	5420	4790	4390	4100	3680	3080	2670	2050		
350	19000		11100	10500	9300	8500	7900	7100	6000	5200	4000		
450	19800		15300	14400	12700	11600	10800	9600	7800	6300			
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	

Product specifications

Small

Standard

Wide angle

Table

Roller gear cam unit

Small multi-index

Flat

Torque table

Standard

Torque table

Option

Parallel cam unit

Standard

Torque table

Option

Parallel cam unit

Standard

Torque table

Option

Parallel cam unit

Standard

Torque table

Option

# Output torque table

Index series

●RGIS flange shaft (2 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)								
						Input shaft rotational speed (rpm)								
						15	30	45	60	75	100	150	200	300
Roller gear cam unit	Small	90	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			
			300	4800	3020	2780	2320	2000	1730	1340	560			
			350	7950	4940	4540	3770	3220	2760	2050	590			
			450	13800	5700	5080								
	Standard	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		
Wide angle	120	300	4800	3210	3020	2570	2260	2020	1680	1110				
		350	7950	5260	4950	4200	3670	3260	2680	1630				
		450	13800	6030	5590	4590								
		Table	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		
Flat	150	300	4800	3310	3120	2730	2410	2170	1870	1380	930			
		350	7950	5430	5120	4460	3940	3540	3010	2150	1330			
		450	18300	10300	9700	8400	7300	6400	5100	2700				
		Torque table	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		
Standard	180	300	4800	3370	3180	2810	2510	2280	1980	1550	1170			
		350	7950	5530	5220	4600	4110	3720	3220	2460	1780			
		450	18300	10500	9900	8700	7700	6800	5700	3700				
		Torque table	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		
Option	210	300	4800	3410	3220	2840	2590	2350	2060	1650				
		350	7950	5590	5280	4660	4240	3850	3360	2660				
		450	18300	10600	10000	8800	7900	7100	6100	4300				



# Discontinue

Index series

## ●RGIS flange shaft (2 dwells)

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)									
				15	30	45	60	75	100	150	200	300	
24	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	
		300	6900	4880	4620	4080	3730	3440	3040	2510	2120	1450	
		350	7950	5630	5330	4700	4290	3950	3470	2800	2270		
		450	18300	10700	10100	8900	8100	7400	6300	4800	3300		
		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	
	300		6900	4910	4640	4110	3760	3500	3110	2580	2210	1600	
	350		7950	5660	5360	4730	4320	4020	3550	2900	2410		
	450		18300	10700	10100	8900	8100	7500	6500	5100	3800		
	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
			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	
		300	6900	4930	4660	4120	3780	3520	3160	2640	2280	1720	
		350	7950	5690	5380	4750	4350	4050	3620	2980	2520		
		450	18300	10800	10200	9000	8200	7600	6700	5300	4200		
		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
			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	
300	6900		4940	4680	4140	3790	3540	3200	2690	2330	1810		
350	7950		5700	5390	4770	4360	4070	3670	3050	2600			
450	18300		10800	10200	9000	8200	7600	6800	5500	4400			
30	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			
		300	3280	2100	1950	1630	1390	1200	910				

Product specifications

Small  
 Standard  
 Wide angle  
 Table  
 Small multi-index  
 Flat  
 Torque table  
 Parallel cam unit  
 Torque table  
 Option

# Output torque table

Index series

●RGIS flange shaft (2 dwells)

Cam curve/MS

Product specifications	Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)								
					Input shaft rotational speed (rpm)								
					15	30	45	60	75	100	150	200	300
Roller gear cam unit	90	350	5210	3020	2800	2310	1950	1640	1150				
		450	7730	5100	4620	3630	2790	1960					
	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		
		300	3280	2190	2060	1770	1550	1380	1140	720			
		350	5550	3830	3600	3090	2700	2390	1950	1160			
		450	7730	5310	4930	4120	3420	2800					
	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	
		300	4500	2780	2620	2300	2040	1850	1590	1190	820		
		350	5550	3910	3690	3240	2860	2570	2180	1540	910		
		450	7730	5420	5070	4370	3760	3230	2430				
	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	
		300	4500	2810	2650	2340	2120	1920	1680	1310	1010		
350		5550	3960	3730	3290	2970	2680	2320	1750	1250			
450		7730	5480	5140	4470	3970	3490	2800					
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		
	300	4500	2830	2670	2360	2150	1970	1730	1390	1120			
	350	5550	3980	3760	3320	3020	2760	2410	1890	1460			
	450	7730	5510	5190	4540	4080	3660	3040					
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		
	300	4500	2840	2690	2370	2170	2020	1780	1450	1200	770		
	350	5550	4000	3780	3340	3050	2830	2480	1990	1600	860		
	450	7730	5540	5220	4580	4130	3780	3200	2240				
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	4500	2850	2700	2380	2180	2030	1810	1500	1260	870		
	350	5550	4020	3800	3350	3060	2850	2540	2070	1700	1050		
	450	7730	5550	5240	4600	4170	3840	3330	2450				
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		

# Discontinue

Index series

## ●RGIS flange shaft (2 dwells)

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)								
				15	30	45	60	75	100	150	200	300
30	300	300	4500	2860	2700	2390	2190	2040	1840	1530	1310	950
		350	5550	4020	3810	3360	3080	2860	2580	2120	1780	1200
		450	7730	5560	5250	4620	4200	3880	3420	2600		
	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
		300	4500	2860	2710	2390	2190	2040	1860	1560	1340	1010
		350	5550	4030	3810	3370	3080	2870	2610	2170	1840	1310
		450	7730	5570	5260	4640	4220	3900	3490	2720	2060	
		90	080	31.8	28.7	28.6	27.5	26.7	26.1	25.2	23.7	21.3
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			
300	2310		1690	1570	1310	1110	950	700				
350	5210		3050	2840	2350	1990	1690	1210				
450	5410		3640	3270	2500							
32	120		080	31.8	30.0	29.9	29.5	28.7	28.1	27.2	25.9	23.8
		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	
		300	3280	2200	2070	1790	1570	1400	1160	750		
		350	5210	3170	2980	2560	2230	1960	1590	890		
		450	7730	5350	4970	4170	3490	2880	1910			
		150	080	31.8	30.6	30.6	30.6	29.9	29.3	28.5	27.2	25.2
	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	
300	3280		2240	2120	1860	1650	1490	1280	930	620		
350	5550		3930	3700	3250	2890	2590	2210	1580	980		
450	7730		5440	5090	4400	3800	3290	2510				
180	210		080	80.0	66.3	62.8	55.6	50.8	46.5	41.5	35.3	31.3
		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
		300	3280	2270	2140	1880	1710	1550	1350	1040	780	
		350	5550	3970	3750	3300	2990	2700	2340	1790	1300	
		450	7730	5490	5160	4490	4000	3530	2860			
		240	080	80.0	67.1	63.5	56.2	51.6	48.2	43.2	36.8	32.7
	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	

Product specifications

Small

Standard

Wide angle

Table

Small/multi-index

Flat

Torque table

Standard

Torque table

Option

Parallel cam unit

Option

# Output torque table

●RGIS flange shaft (2 dwells)

Cam curve/MS

Product specifications	Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)								
					Input shaft rotational speed (rpm)								
					15	30	45	60	75	100	150	200	300
Roller gear cam unit	32	240	250	2020	1590	1500	1330	1210	1130	1010	840	710	520
			300	3280	2290	2160	1910	1740	1620	1430	1160	950	570
			350	5550	4010	3790	3350	3050	2840	2500	2010	1630	920
			450	7730	5540	5230	4590	4150	3800	3240	2300		
	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	
	300	250	2020	1590	1510	1330	1220	1140	1020	860	740	560	
		300	3280	2290	2170	1920	1750	1630	1460	1200	1000	670	
		350	5550	4020	3800	3360	3070	2860	2550	2080	1730	1100	
		450	7730	5560	5250	4610	4180	3850	3360	2500			
330	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		
Option	Parallel cam unit	Trapezoidal	250	2020	1600	1510	1340	1220	1140	1040	870	760	590
			300	3280	2300	2170	1920	1760	1640	1480	1230	1040	740
			350	5550	4030	3810	3370	3080	2870	2590	2140	1800	1230
			450	7730	5570	5260	4630	4210	3890	3450	2640	1940	
Option	Flat	Small multi-index	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
Option	Standard	Torque table	250	2020	1600	1510	1340	1230	1140	1050	880	770	610
			300	3280	2300	2180	1930	1760	1640	1500	1250	1070	790
			350	5550	4040	3820	3380	3090	2880	2620	2180	1860	1340
			450	7730	5580	5270	4640	4230	3910	3500	2760	2110	

# Discontinue

Index series

Product specifications

Roller gear cam unit	
Small	Standard
Wide angle	Table
Small multi-index	Flat
Torque table	Torque table
Parallel cam unit	
Standard	Torque table
Option	

# Output torque table

Index series

●RGIS flange shaft (3 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)							
						Input shaft rotational speed (rpm)							
						10	20	30	40	50	70	100	140
Small	Standard	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
Wide angle	Table	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
Flat	Torque table	24	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
Option	Torque table	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
Parallel cam unit	Torque table	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

# Discontinue

Index series

## ●RGIS flange shaft (3 dwells)

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)									
				10	20	30	40	50	70	100	140	200	
24	270	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	
		300	12300	5580	5280	4670	4280	3990	3470	2950	2470	1890	
		350	20200	15100	14300	12600	11600	10800	9400	8000	6800	5300	
		450	34400	17000	16000	14200	12900	12000	10300				
	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	
	300	12300	5630	5330	4710	4320	4030	3540	3030	2560	2020		
	350	20200	15200	14400	12800	11700	10900	9600	8200	7000	5600		
	450	34400	17100	16200	14300	13000	12100	10500	8800				
	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	
		140	1640	1120	1060	940	860	800	720	620	540	470	
		180	2860	1770	1680	1480	1360	1270	1130	980	860	730	
		250	5840	4110	3890	3440	3150	2950	2620	2270	1960	1640	
	300	12300	5670	5360	4740	4350	4060	3600	3090	2630	2120		
	350	20200	15300	14500	12800	11800	11000	9800	8400	7200	5900		
	450	34400	17200	16300	14400	13100	12200	10800	9000				
	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
			300	6900	4380	4130	3570	3160	2850	2380	1810	1110	
350			14200	5920	5580	4810	4230	3790	3090	2200			
450		18100	10900	10200	8700	7500	6500	4800					
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			

Product specifications

Small

Standard

Wide angle

Table

Roller gear cam unit

Small multi-index

Flat

Torque table

Standard

Torque table

Parallel cam unit

Option

# Output torque table

Index series

●RGIS flange shaft (3 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)							
						Input shaft rotational speed (rpm)							
						10	20	30	40	50	70	100	140
Roller gear cam unit	Small	150	180	2100	1340	1270	1120	1000	920	800	680	570	450
			250	4150	2760	2610	2310	2060	1880	1620	1350	1060	680
			300	6900	4580	4330	3820	3400	3090	2630	2120	1550	
			350	14200	6180	5830	5140	4560	4120	3470	2700	1770	
			450	19800	14300	13500	11800	10400	9300	7600	5300	2300	
	Standard	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
Wide angle	180	300	6900	4700	4440	3920	3560	3240	2790	2310	1810	1120	
		350	14200	6340	5990	5280	4780	4340	3710	3010	2220		
		450	19800	14700	13800	12200	11000	9900	8300	6300	3900		
		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	
Roller gear cam unit	Table	210	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
	Small multi-index	210	140	950	695	657	582	534	492	431	373	324	275
			180	2100	1410	1330	1180	1080	1000	870	750	650	540
			250	4150	2890	2730	2420	2210	2040	1770	1510	1270	980
			300	6900	4780	4520	3990	3650	3360	2900	2440	1990	1390
			350	19000	10800	10200	9000	8200	7600	6600	5500	4500	3200
			450	19800	14900	14100	12400	11300	10300	8700	6900	4900	
			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			
Parallel cam unit	Standard	240	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
			180	2100	1420	1350	1190	1090	1020	890	770	670	560
			250	5840	4080	3860	3420	3130	2920	2550	2190	1870	1530
	Torque table	240	300	12300	5630	5330	4710	4310	4020	3490	2970	2480	1890
			350	19000	10900	10300	9100	8300	7800	6800	5700	4800	3600
			450	19800	15000	14200	12500	11400	10600	9000	7400	5500	
			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
Option	270	140	950	709	671	594	545	510	451	391	341	292	
		180	2100	1430	1360	1200	1100	1030	910	790	680	580	
		250	5840	4110	3890	3450	3160	2950	2600	2240	1930	1600	
		300	12300	5670	5370	4750	4350	4060	3570	3050	2580	2030	



# Discontinue

## Index series

### ●RGIS flange shaft (3 dwells)

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)									
				10	20	30	40	50	70	100	140	200	
30	270	350	19000	11000	10400	9200	8400	7900	6900	5900	5000	3900	
		450	19800	15100	14300	12600	11500	10700	9300	7700	6000		
	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	
		180	2100	1440	1370	1210	1110	1040	930	800	700	590	
		250	5840	4140	3920	3470	3180	2970	2650	2290	1970	1650	
		300	12300	5710	5400	4780	4380	4090	3630	3120	2650	2140	
		350	19000	11100	10500	9300	8500	7900	7000	6000	5100	4100	
		450	19800	15200	14400	12700	11600	10800	9500	8000	6400		
		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	
	180		2100	1450	1370	1220	1110	1040	940	810	710	610	
	250		5840	4160	3930	3480	3190	2980	2680	2320	2010	1690	
	300		12300	5730	5420	4800	4400	4110	3690	3170	2710	2220	
	350		19000	11100	10500	9300	8500	8000	7100	6100	5300	4300	
450	19800		15300	14400	12800	11700	10900	9700	8200	6700	4700		
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			
		300	4800	3020	2840	2390	2090	1850	1450	900			
	350	5550	3500	3280	2740	2350	2030						
	450	13800	5720	5270	4240	3410							
	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		
300		4800	3210	3030	2640	2330	2100	1750	1310				
350		7950	5260	4960	4310	3800	3410	2800	2030				
450		13800	6050	5640	4800	4080							
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		

Product specifications

Small  
Standard  
Wide angle  
Roller gear cam unit  
Table  
Small multi-index  
Flat  
Torque table  
Standard  
Parallel cam unit  
Option

# Output torque table

●RGIS flange shaft (3 dwells)

Cam curve/MS

Product specifications	Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)									
					Input shaft rotational speed (rpm)									
					10	20	30	40	50	70	100	140	200	
Roller gear cam unit	36	150	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	
			300	4800	3310	3130	2760	2470	2250	1910	1530	1090		
			350	7950	5430	5130	4520	4050	3660	3090	2430	1640		
			450	18300	10300	9700	8500	7600	6800	5400	3700			
	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				
300	4800	3370	3190	2810	2570	2340	2010	1660	1280					
350	7950	5530	5230	4610	4210	3830	3270	2670	2000					
450	18300	10500	9900	8700	7900	7100	5900	4400	2600					
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				
300	4800	3410	3220	2850	2600	2410	2080	1750	1410					
350	7950	5590	5290	4670	4270	3950	3400	2830	2230					
450	18300	10600	10000	8800	8000	7400	6200	4900	3300					
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				
300	6900	4880	4620	4090	3740	3490	3060	2610	2180	1680				
350	7950	5640	5330	4710	4310	4010	3500	2940	2390					
450	18300	10700	10100	8900	8100	7500	6500	5200	3800					
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				
300	6900	4910	4650	4110	3780	3510	3120	2670	2260	1790				
Option	36	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				
300	6900	4880	4620	4090	3740	3490	3060	2610	2180	1680				
350	7950	5640	5330	4710	4310	4010	3500	2940	2390					
450	18300	10700	10100	8900	8100	7500	6500	5200	3800					
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				
300	6900	4910	4650	4110	3780	3510	3120	2670	2260	1790				

# Discontinue

Index series

## ●RGIS flange shaft (3 dwells)

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)									
				10	20	30	40	50	70	100	140	200	
36	270	350	7950	5660	5360	4740	4340	4040	3570	3030	2500		
		450	18300	10700	10100	9000	8200	7600	6600	5500	4200		
	300	032	2.70	2.33	2.21	1.95	1.79	1.68	1.51	1.31	1.15	1.00	
		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	
		300	6900	4930	4660	4130	3780	3530	3170	2720	2320	1880	
	350	7950	5690	5380	4760	4360	4060	3630	3100	2590	2000		
		450	18300	10800	10200	9000	8200	7600	6800	5600	4500	2900	
	330	032	2.70	2.34	2.21	1.96	1.80	1.68	1.52	1.33	1.16	1.01	
		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		
300		6900	4940	4680	4140	3790	3540	3190	2760	2370	1940		
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			
		300	2310	1690	1590	1350	1170	1030	780				
		350	5210	3060	2870	2430	2110	1840	1370				
		450	5410	3650	3350	2710							
		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	
	300		3280	2200	2080	1830	1620	1460	1210	900			
	350		5210	3170	2990	2620	2310	2070	1680	1170			
	450		7730	5360	5010	4330	3720	3200	2260				
	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		
300		3280	2240	2120	1870	1700	1540	1300	1040	730			
350		5550	3930	3710	3270	2970	2690	2270	1780	1210			
450		7730	5450	5120	4460	3980	3520	2740					
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		

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Small multi-index

Flat

Torque table

Standard

Torque table

Parallel cam unit

Option

# Output torque table

Index series

●RGIS flange shaft (3 dwells)

Cam curve/MS

Product specifications	Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)								
					Input shaft rotational speed (rpm)								
					10	20	30	40	50	70	100	140	200
Roller gear cam unit	48	180	300	3280	2270	2140	1890	1720	1590	1370	1120	860	
			350	5550	3970	3750	3310	3020	2780	2380	1940	1460	
			450	7730	5500	5180	4530	4090	3710	3010	2110		
	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	
		300	3280	2280	2160	1900	1740	1620	1410	1180	940	620	
	240	350	5550	3990	3780	3340	3050	2830	2460	2040	1610	1020	
		450	7730	5530	5210	4580	4150	3820	3200	2400			
		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		
270	250	2020	1590	1500	1330	1220	1140	1010	860	730	580		
	300	3280	2290	2160	1910	1750	1630	1440	1220	1000	720		
	350	5550	4010	3790	3350	3060	2850	2520	2120	1720	1200		
	450	7730	5550	5240	4610	4190	3870	3330	2610				
	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		
300	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	3280	2290	2170	1920	1760	1640	1470	1250	1040	790		
	350	5550	4020	3800	3360	3080	2870	2570	2180	1800	1330		
	450	7730	5560	5250	4630	4220	3900	3420	2750	1980			
330	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		
	300	3280	2300	2180	1920	1760	1640	1470	1270	1070	840		
Parallel cam unit	350	5550	4030	3810	3370	3090	2880	2580	2220	1860	1430		
	450	7730	5570	5270	4640	4240	3930	3470	2860	2160			
	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		
Option	250	2020	1600	1510	1340	1230	1150	1030	910	780	650		
	300	3280	2300	2180	1930	1770	1650	1480	1290	1100	880		
	350	5550	4040	3820	3380	3090	2890	2590	2260	1910	1500		
	450	7730	5580	5270	4660	4250	3950	3500	2950	2300			

# Discontinue

Index series

Product specifications

Roller gear cam unit	
Small	Standard
Wide angle	Table
Small multi-index	Flat
Torque table	Torque table
Parallel cam unit	
Standard	Torque table
Option	

# Output torque table

Index series

●RGIS flange shaft (4 dwells)

Cam curve/MS

Product specifications	Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)								
					Input shaft rotational speed (rpm)								
					10	15	20	30	40	50	75	100	150
Small	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
			300	12300	5300	5020	4600	4040	3580	3250	2660	2210	1410
			350	20200	14300	13500	12400	10900	9700	8800	7300	6100	4200
450	34400	16200	15300	13900	12200	10700	9500						
Wide angle	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
			300	12300	5430	5140	4710	4160	3730	3400	2810	2390	1700
			350	20200	14700	13900	12700	11200	10100	9200	7700	6600	4900
450	34400	16500	15600	14300	12600	11200	10000						
Table	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	2560	2160	1890	1520
			300	12300	5520	5220	4790	4230	3850	3510	2930	2530	1890
			350	20200	14900	14100	12900	11400	10400	9500	8000	6900	5300
450	34400	16800	15900	14500	12800	11600	10400	8400					
Flat	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
			300	12300	5580	5290	4850	4280	3920	3600	3020	2630	2030
			350	20200	15100	14300	13100	11600	10600	9800	8200	7200	5700
450	34400	17000	16100	14700	13000	11800	10800	8800					
Torque table	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

# Output torque table

●RGOS straight axis

Cam curve/MS

Product specifications		Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)										
						Input shaft rotational speed (rpm)										
						15	30	45	60	75	100	150	200	300		
Roller gear cam unit	Small	180	300	025	1.09	0.57	0.45	0.40	0.37	0.33	0.28	0.25	0.20			
				032	1.99	1.04	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	120	240	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	
	300			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			
			032	2.69	1.89	1.79	1.55	1.39	1.27	1.13	0.97	0.86	0.73			
	Parallel cam unit	Standard	120	360	040	10.9	6.64	6.64	6.50	6.33	6.20	6.04	5.17	4.61	3.90	
					050	19.9	12.3	12.3	12.1	11.7	11.5	11.2	10.8	10.0	8.4	
063				85.1	44.2	41.8	36.2	32.3	29.6	26.5	22.5	19.9	16.6			
Wide angle			120	360	080	164	100	100	93	83	76	68	58	51	43	
					110	359	220	218	189	168	154	138	116	103	84	
				140	950	444	420	363	324	297	264	222	194	152		
		Table	90	180	180	2860	1110	1050	910	810	740	660	550	470	350	
					250	5840	2620	2480	2140	1910	1740	1530	1250	1040		
				300	12300	3690	3480	3000	2670	2420	2120	1670	1290			
Option			Torque table	90	180	032	1.39	0.81	0.74	0.63	0.56	0.52	0.46	0.39	0.34	0.27
						025	1.09	0.73	0.68	0.58	0.52	0.48	0.43	0.36	0.32	0.27
					032	1.39	0.93	0.87	0.75	0.67	0.61	0.54	0.46	0.41	0.34	
	Standard	90		300	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		
		Torque table	90	360	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		
	Torque table		60	120	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		
Torque table		60	180	250	4150	2000	1890	1620	1440	1310	1150	920	740			
				300	6900	3360	3170	2730	2420	2190	1910	1480	1110			
			Torque table	60	360	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		
	040	10.9			7.79	7.79	7.72	7.53	7.38	7.18	6.16	5.49	4.66			
	Torque table	60		360	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			
Torque table		60	360	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			
	Torque table	60	360	250	4150	2200	2080	1820	1620	1480	1310	1070	900	590		
				300	6900	3680	3480	3050	2710	2470	2170	1750	1420			
			Torque table	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		
Torque table		60			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			
	Torque table	60		180	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			
Torque table		60	180	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			

# Discontinue

## Oscillators

### ●RGOS straight axis

Cam curve/MS

Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
60	180	250	5840	2620	2440	2070	1830	1660	1440	1120	830	
		300	12300	3680	3420	2890	2550	2290	1950	1380		
		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	16500	7030	6650	5710	5080	4630	4070	3290	2680		
	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
		300	16500	7750	7330	6430	5740	5240	4640	3840	3270	2320
		360	025	3.76	2.73	2.59	2.29	2.07	1.89	1.69	1.44	1.29
	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	
300	16500		8240	7800	6900	6210	5680	5050	4230	3670	2800	
45	90		032	1.39	0.81	0.72	0.61	0.55	0.50	0.44	0.37	0.31
		120	032	1.39	0.93	0.85	0.72	0.65	0.59	0.53	0.44	0.39
	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	
		300	6900	3680	3460	2940	2600	2350	2030	1520	1070	
		240	025	2.13	1.49	1.41	1.23	1.10	1.01	0.90	0.77	0.68
	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

Product specifications

Small

Standard

Wide angle

Roller gear cam unit

Small multi-index

Flat

Torque table

Standard

Torque table

Option



# Output torque table

●RGOS straight axis

Cam curve/MS

Product specifications	Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)									
					Input shaft rotational speed (rpm)									
					15	30	45	60	75	100	150	200	300	
Roller gear cam unit	45	240	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	
			300	12300	4800	4540	3950	3520	3200	2820	2280	1860	1080	
			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			
	300	12300	5110	4840	4280	3830	3500	3100	2570	2180	1540			
	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				
300	12300	5310	5020	4440	4050	3700	3290	2750	2380	1810				
025	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				
300	4800	3030	2860	2460	2190	1980	1730	1340	1010	340				
025	1.89	1.49	1.41	1.25	1.12	1.02	0.91	0.78	0.69	0.58				
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				
300	4800	3210	3040	2680	2400	2190	1930	1570	1300	820				
025	1.89	1.54	1.46	1.29	1.18	1.08	0.97	0.83	0.74	0.62				
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				
Parallel cam unit	Flat	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	
	Torque table	180	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	
Standard	180	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		
Torque table	180	300	4800	3030	2860	2460	2190	1980	1730	1340	1010	340		
		Option	240	032	1.89	1.49	1.41	1.25	1.12	1.02	0.91	0.78	0.69	0.58
				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			
Torque table	240	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		
Option	300	300	4800	3210	3040	2680	2400	2190	1930	1570	1300	820		
		032	1.89	1.54	1.46	1.29	1.18	1.08	0.97	0.83	0.74	0.62		
		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			
Torque table	300	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		

# Discontinue

## Oscillators

### ●RGOS straight axis

Cam curve/MS

Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
30	300	250	3910	2340	2220	1960	1790	1640	1460	1220	1060	820
		300	4800	3310	3130	2770	2530	2310	2050	1700	1460	1050
	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
		300	4800	3370	3190	2820	2580	2400	2130	1790	1550	1190

Product specifications

Roller gear cam unit	Small
	Standard
	Wide angle
	Table
	Small multi-index
Torque table	Flat
	Torque table
Parallel cam unit	Standard
	Torque table
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)	Dynamic rated output torque (N·m)									
						Input shaft rotational speed (rpm)									
						15	30	45	60	75	100	150	200	300	
Roller gear cam unit	Small	180	300	025	1.09	0.57	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	120	240	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
	300			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		
			032	2.69	1.89	1.79	1.55	1.39	1.27	1.13	0.97	0.86	0.73		
	Parallel cam unit	Wide angle	90	360	040	10.9	6.64	6.64	6.49	6.32	6.18	6.01	5.10	4.48	3.61
					050	19.9	12.3	12.3	12.0	11.7	11.5	11.2	10.7	9.9	8.1
063					85.1	44.2	41.8	36.2	32.3	29.6	26.4	22.4	19.7	16.1	
080					164	100	100	93	83	76	68	58	51	42	
110					359	220	218	188	168	154	137	115	100	78	
140					950	444	420	363	324	296	262	218	186	135	
Table		Flat		180	2860	1110	1050	910	810	740	650	530	440	290	
				250	5840	2620	2480	2140	1890	1720	1500	1160	880		
				300	12300	3680	3470	2980	2630	2360	2000	1400			
				350	18800	7840	7390	6350	5590	5030	4270	3020			
				450	19800	10200	9500	8000	6900	5900					
				Option	Torque table	180	032	1.39	0.81	0.74	0.63	0.56	0.52	0.46	0.39
025	1.09	0.73	0.68				0.58	0.52	0.48	0.43	0.36	0.32	0.27		
240	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		
Torque table	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			
Option	Torque table	60	120		040	10.9	6.64	6.64	6.49	6.32	6.18	6.01	5.10	4.48	3.61
					050	19.9	14.4	14.4	14.3	13.9	13.6	13.3	12.7	11.8	9.9
				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	
	Torque table		180	2100	1060	1000	880	780	710	630	520	440	310		
			250	4150	2200	2080	1810	1610	1460	1280	1010	780	330		
			300	6900	3680	3470	3030	2680	2420	2080	1550	1060			
			350	14200	5000	4710	4100	3610	3230	2740	1900				
			450	18100	9360	8780	7550	6530	5700	4490	2130				
			Option	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			

# Discontinue

## Oscillators

### ●RGOS flange shaft

Cam curve/MS

Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)									
				Input shaft rotational speed (rpm)									
				15	30	45	60	75	100	150	200	300	
60	180	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		
		300	12300	3680	3400	2840	2460	2160	1710				
		350	19000	6990	6450	5400	4670	4090	3230				
		450	34400	11300	10300	8400	6900	5500					
		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	16500	7030	6640	5690	5040	4550	3940	3000	2150			
	350	18800	9180	8660	7400	6520	5860	4990	3560				
	450	34400	13200	12300	10400	8900	7700	5900					
	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		
	300	16500	7750	7320	6420	5710	5190	4560	3650	2930	1560		
	350	20200	12600	11900	10400	9300	8400	7400	5800	4500			
	450	45100	16700	15700	13700	12000	10700	8900					
	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			
300	16500	8240	7800	6890	6190	5650	4990	4100	3430	2270			
350	20200	13400	12600	11200	10000	9100	8100	6600	5400	3300			
450	45100	17700	16700	14700	13100	11800	10100	7300					
45	90	032	1.39	0.81	0.72	0.61	0.55	0.50	0.44	0.37	0.31	0.23	
		120	032	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	

Product specifications

Small

Standard

Wide angle

Table

Small multi-index

Flat

Torque table

Standard

Torque table

Option

Parallel cam unit

Option

Option

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)	Dynamic rated output torque (N·m)											
					Input shaft rotational speed (rpm)											
					15	30	45	60	75	100	150	200	300			
Small	45	180	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				
			300	6900	3680	3450	2900	2540	2250	1850	1130					
			350	14200	4990	4670	3910	3380	2950	2330						
			450	19800	11700	10900	9000	7600	6300	4400						
			Standard	45	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			
Wide angle	45	300	12300	4800	4530	3930	3480	3150	2720	2060	1460					
			350	19000	9220	8700	7550	6680	6040	5210	3920	2760				
			450	19800	13000	12200	10500	9100	8000	6500						
			Table	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			
Small multi-index	45	300	300	12300	5110	4830	4260	3810	3460	3040	2420	1930				
			350	18800	11000	10400	9200	8200	7500	6600	5200	4200				
			450	19800	13800	13000	11400	10100	9000	7600						
			Flat	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			
Torque table	45	360	300	12300	5310	5020	4430	4040	3680	3250	2660	2210	1410			
			350	18800	11500	10800	9600	8700	8000	7000	5700	4800	3100			
			450	34400	16200	15300	13400	12200	11000	9500	7200	5100				
			Standard	30	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
Torque table	30	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			
			Option	30	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			

# Discontinue

## Oscillators

### ●RGOS flange shaft

Cam curve/MS

Oscillating angle (deg)	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
30	180	180	976	603	570	491	436	396	346	273	211	
		250	2870	1710	1620	1390	1230	1110	950	700	470	
		300	4800	3020	2850	2440	2140	1920	1610	1080	540	
		350	7950	4950	4650	3980	3480	3100	2560	1600	600	
		450	13800	5730	5320	4410						
	240	032	1.89	1.49	1.41	1.25	1.12	1.02	0.91	0.78	0.69	0.58
		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
		300	4800	3210	3030	2670	2380	2150	1860	1420	1040	
	350	7950	5260	4970	4370	3880	3500	3010	2250	1540		
	450	13800	6050	5670	4910	4250	3680					
	300	032	1.89	1.54	1.46	1.29	1.18	1.08	0.97	0.82	0.73	0.62
		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
		300	4800	3310	3130	2760	2520	2290	2010	1610	1290	
	350	7950	5430	5130	4530	4120	3740	3270	2580	2010		
	450	18300	10300	9800	8600	7700	7000	5900	4200	2600		
	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	
300		4800	3370	3190	2820	2570	2380	2100	1720	1430	930	
350	7950	5530	5230	4620	4220	3900	3430	2790	2280	1370		
450	18300	10500	9900	8700	7900	7300	6300	4800	3500			

Product specifications

Small

Standard

Wide angle

Table

Roller gear cam unit

Small multi-index

Flat

Torque table

Standard

Parallel cam unit

Torque table

Option

# Output torque table

●RGCS straight axis

Cam curve/CV

Product specifications		Reduction ratio	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
Small	Standard	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
				300	16500	9230	8740	7740	7100	6640	6090	5390	4950	4380
				Wide angle	Table	4	360	040	30.6	23.8	22.6	20.0	18.3	17.1
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
300	12300	5650	5350					4740	4350	4070	3730	3300	3030	2680
Flat	Torque table	5	360					040	10.9	10.6	10.6	10.6	10.6	10.6
				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
				300	6900	4900	4640	4110	3770	3530	3240	2870	2630	2330
				Standard	Torque table	6	360	040	41.6	33.9	32.1	28.4	26.1	24.4
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
300	16500	9680	9160					8120	7440	6960	6390	5650	5190	4590
Option	Torque table	8	360					040	30.6	24.5	23.2	20.5	18.8	17.6
				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
				300	12300	5790	5490	4860	4460	4170	3820	3390	3110	2750
				Option	Torque table	9	360	040	30.6	24.5	23.2	20.6	18.9	17.6
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
300	12300	5800	5500					4870	4460	4170	3830	3390	3110	2750

# Discontinue

Reducer series

## ●RGCS straight axis

Cam curve/CV

Reduction ratio	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
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
300	12300	5810	5500	4870	4470	4180	3830	3400	3110	2760		
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	11.3	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
300	6900	4990	4730	4190	3840	3590	3290	2920	2680	2370		

Product specifications

Roller gear cam unit	Small
	Standard
	Wide angle
Torque table	Table
	Small/multi-index
	Flat
Parallel cam unit	Torque table
	Torque table
Option	



# Output torque table

Reducer series

●RGCS flange shaft

Cam curve/MS

Product specifications		Reduction ratio	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
Small	Standard	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
				300	16500	9230	8740	7740	7100	6640	6090	5390	4950	4380
				350	20200	14900	14100	12500	11500	10700	9800	8700	8000	7100
450	34400	16800	15900	14100	12900	12100	11100	9800	9000					
Wide angle	Table	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
				300	12300	5650	5350	4740	4350	4070	3730	3300	3030	2680
				350	18800	12300	11600	10300	9400	8800	8100	7200	6600	5800
450	19800	15100	14300	12600	11600	10800	9900	8800	8100	7200				
Flat	Torque 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
				300	6900	4900	4640	4110	3770	3530	3240	2870	2630	2330
				350	14200	6600	6250	5530	5080	4750	4360	3860	3540	3130
450	18100	12000	11400	10100	9200	8600	7900	7000	6400	5700				
Standard	Torque table	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
				300	16500	9680	9160	8120	7440	6960	6390	5650	5190	4590
				350	20200	15600	14800	13100	12000	11200	10300	9100	8400	7400
450	45100	20400	19300	17100	15700	14700	13400	11900	10900	9700				
Option	Torque table	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
				300	12300	5790	5490	4860	4460	4170	3820	3390	3110	2750
				350	20200	15700	14900	13200	12100	11300	10400	9200	8400	7500
450	34400	17600	16600	14700	13500	12600	11600	10300	9400	8300				

# Discontinue

Reducer series

## ●RGCS flange shaft

Cam curve/MS

Reduction ratio	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
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
		300	12300	5800	5500	4870	4460	4170	3830	3390	3110	2750
		350	18800	12600	11900	10600	9700	9100	8300	7400	6800	6000
450	19800	15400	14600	12900	11900	11100	10200	9000	8300	7300		
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
		300	12300	5810	5500	4870	4470	4180	3830	3400	3110	2760
		350	19000	11300	10700	9500	8700	8100	7400	6600	6000	5300
450	19800	15500	14600	13000	11900	11100	10200	9000	8300	7300		
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
		300	6900	4990	4730	4190	3840	3590	3290	2920	2680	2370
		350	7950	5760	5450	4830	4430	4140	3800	3360	3090	2730
450	18300	10900	10300	9100	8400	7800	7200	6400	5800	5200		

Product specifications

Roller gear cam unit	Small
	Standard
	Wide angle
	Table
Small multi-index	Torque table
	Flat
Parallel cam unit	Torque table
	Option

# Output torque table

Index series

●RGIS straight axis (1 dwell)

Cam curve/MS

Product specifications		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	
Roller gear cam unit	2	Small	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					
		Standard	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					
		Wide angle	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					
Parallel cam unit	3	Table	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					
		Flat	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					
		Torque table	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				
	Standard	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					
	Option	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					
	4	Standard	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					
Torque table		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					
Option		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					
Standard	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						
Option	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 axis (1 dwell)

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		
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

Small  
Standard  
Wide angle  
Roller gear cam unit  
Table  
Small/multi-index  
Flat  
Torque table  
Parallel cam unit  
Torque table  
Option

# Output torque table

Index series

●RGIS straight axis (1 dwell)

Cam curve/MS

Product specifications		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
Roller gear cam unit	G	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 unit	O	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 axis (1 dwell)

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
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

Small  
Standard  
Wide angle  
Table  
Small multi-index  
Flat  
Torque table  
Parallel cam unit  
Torque table  
Option

# Output torque table

Index series

●RGIS straight axis (1 dwell)

Cam curve/MS

Product specifications		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
Roller gear cam unit	10	Small	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			
		Standard	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			
		Wide angle	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			
Table	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					
Small multi-index	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					
Flat	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 unit	12	Flat	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			
		Torque table	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			
	Standard	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				
	Torque table	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				
	Option	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 axis (1 dwell)

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
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 unit	Small
	Standard
	Wide angle
Roller gear cam unit	Table
	Small/multi-index
	Flat
Parallel cam unit	Torque table
	Torque table
Option	



# Output torque table

Index series

●RGIS straight axis (2 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)									
						Input shaft rotational speed (rpm)									
						15	30	45	60	75	100	150	200	300	
Roller gear cam unit	Small	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 unit	Standard	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	Torque 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		

# Discontinue

Index series

## ●RGIS straight axis (2 dwells)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)									Product specifications					
				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		Roller gear cam unit					
		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		Small				
		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							
		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			Standard			
		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	5.38	4.39	3.80	3.40	2.93	2.37	2.02				1.57	Wide angle	
			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							
120		040	10.9	8.19	7.13	6.58	6.21	5.93	5.60	4.58	3.94	3.17	Table					
		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							
		080	152	78.9	65.0	53.0	45.9	41.0	35.4	28.5	24.2							
150		040	10.9	8.99	7.83	7.22	6.81	6.51	6.14	5.03	4.35	3.51		Small/multi-index				
		050	37.9	25.4	20.9	17.1	14.8	13.2	11.4	9.3	8.0	6.4						
		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							
180		040	10.9	9.59	8.35	7.70	7.27	6.95	6.56	5.37	4.64	3.77			Flat			
		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							
210		040	10.9	10.1	8.8	8.1	7.6	7.3	6.9	5.6	4.9	4.0				Torque table		
		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							
		080	164	152	132	116	100	90	78	63	55							
240		040	10.9	10.4	9.1	8.4	7.9	7.6	7.2	5.9	5.1	4.1						Parallel cam unit
		050	37.9	29.4	24.3	19.8	17.2	15.4	13.3	10.9	9.4	7.6						
		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							
270	040	10.9	10.5	9.4	8.7	8.2	7.8	7.4	6.1	5.2	4.3	Option						
	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								
300	040	10.9	10.6	9.7	8.9	8.4	8.0	7.6	6.2	5.4	4.4		Option					
	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								
	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	4.5			Option				
	050	37.9	30.0	26.4	21.5	18.7	16.7	14.4	11.8	10.2	8.3							
	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	4.24	3.46	2.99	2.67	2.31	1.87	1.59				1.23		Option	
		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							
	120	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							
		080	108	73.3	60.4	49.3	42.7	38.1	32.9	26.6	22.6							

# Output torque table

Index series

●RGIS straight axis (2 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)										
						Input shaft rotational speed (rpm)										
						15	30	45	60	75	100	150	200	300		
Roller gear cam unit	Small	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			
	Standard	24	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			
	Wide angle	24	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			
Table	24	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				
Small multi-index	30	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				
Flat	30	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				
Torque table	30	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				
Parallel cam unit	Torque table	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				
			Option	Torque table	32	90 080	31.8	24.8	21.6	19.9	18.7	17.8	16.7	15.1	13.2	
						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

Roller gear cam unit	
Small	Standard
Wide angle	Table
Small multi-index	Flat
Torque table	Torque table
Parallel cam unit	
Standard	Torque table
Option	

# Output torque table

Index series

●RGIS straight axis (3 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)								
						Input shaft rotational speed (rpm)								
						10	20	30	40	50	70	100	140	200
Roller gear cam unit	Small	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
	Standard	24	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
	Wide angle	24	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
Table	24	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	
Small multi-index	24	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	59.1	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	
Flat	24	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	
Torque table	24	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 unit	Standard	30	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
	Torque table	30	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
	Option	30	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
Option	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	
Option	30	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	
Option	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	
Option	30	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 axis (3 dwells)

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)								
				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

Small

Standard

Wide angle

Foller gear cam unit

Table

Small multi-index

Flat

Torque table

Parallel cam unit

Torque table

Option

# Output torque table

Index series

●RGIS straight axis (4 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)									
						Input shaft rotational speed (rpm)									
						10	15	20	30	40	50	75	100	150	
Roller gear cam unit	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	38.1	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			
Parallel cam unit	36	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		
		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		
		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	29.7	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		
	240	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			
	270	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			
	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	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			
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	12.3				
	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 axis (4 dwells)

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)								
				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

Small

Standard

Wide angle

Roller gear cam unit

Table

Small multi-index

Flat

Torque table

Standard

Parallel cam unit

Torque table

Option



# Output torque table

Index series

●RGIS straight axis (4 dwells)

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)								
				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

Small	Roller gear cam unit
Standard	
Wide angle	
Table	
Small multi-index	
Fiat	
Torque table	Parallel cam unit
Standard	
Torque table	Option
Standard	

# Discontinue

Index series

Product specifications

Roller gear cam unit	
Small	Standard
Wide angle	Table
Small multi-index	Flat
Torque table	Torque table
Standard	Torque table
Parallel cam unit	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)	Dynamic rated output torque (N·m)									
						Input shaft rotational speed (rpm)									
						30	60	90	120	150	200	300	400	600	
Roller gear cam unit	2	Small	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					
		Standard	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					
		Wide angle	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					
Parallel cam unit	3	Table	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					
		Flat	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					
		Torque table	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				
	Standard	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					
	Option	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					
	4	Torque table	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				
Standard		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						
Option		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					
Torque table	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						
Standard	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						
Option	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)	Dynamic rated 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	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		
		050	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	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			
	050	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

Small  
Standard  
Wide angle  
Roller gear cam unit  
Table  
Small/multi-index  
Flat  
Torque table  
Standard  
Parallel cam unit  
Torque table  
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)	Dynamic rated output torque (N·m)								
						Input shaft rotational speed (rpm)								
						30	60	90	120	150	200	300	400	600
Roller gear cam unit	Small	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			
		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					
		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					
	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						
	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						
	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 unit	Standard	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			
		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					
		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					
	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						
	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						
	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						
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							
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)	Dynamic rated 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

Small  
Standard  
Wide angle  
Table  
Small multi-index  
Flat  
Torque table  
Parallel cam unit  
Torque table  
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)	Dynamic rated output torque (N·m)								
						Input shaft rotational speed (rpm)							400	600
						30	60	90	120	150	200	300		
Roller gear cam unit	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						
Parallel cam unit	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					

# Discontinue

Index series

## ●RGIS flange shaft (1 dwell)

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
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 unit	Small
	Standard
	Wide angle
Torque table	Table
	Small/multi-index
	Flat
Parallel cam unit	Standard
	Torque table
Option	



# Output torque table

Index series

●RGIS flange shaft (2 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)								
						Input shaft rotational speed (rpm)								
						15	30	45	60	75	100	150	200	300
Roller gear cam unit	Small	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	
	Standard	150	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		
	Wide angle	180	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		
Table	210	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			
Small multi-index	240	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			
Flat	270	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			
Torque table	300	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			
Parallel cam unit	120	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			
Option	150	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			
Torque table	180	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			
Option	210	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			
Option	240	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			
Option	270	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			
Option	300	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 dwells)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)									Product specifications					
				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		Foller gear cam unit					
		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		Small				
		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			Standard			
		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	Wide angle	
			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	Table					
		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		Small multi-index				
		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			Flat			
		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				Torque table		
		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						Parallel cam unit
		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	Option						
	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							

# Output torque table

Index series

●RGIS flange shaft (2 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)									
						Input shaft rotational speed (rpm)									
						15	30	45	60	75	100	150	200	300	
Roller gear cam unit	Small	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		
		180	040	10.2	8.96	7.39	6.03	5.22	4.66	4.03	3.26	2.78	2.16		
			050	12.8	11.8	10.3	9.5	9.0	8.6	8.1	6.6	5.7	4.5		
			063	63.6	49.7	41.0	33.4	28.9	25.9	22.4	18.2	15.6			
			080	108	84.1	69.3	56.6	49.0	43.8	37.8	30.6	26.2			
		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			
	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				
	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				
	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				
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					
Parallel cam unit	Torque table	30	90 080	31.8	24.3	21.2	19.4	18.3	17.4	16.2	14.3	11.9			
			120 080	80.0	57.9	47.7	38.9	33.6	30.0	25.9	20.7	17.3			
			150 080	80.0	62.0	51.1	41.7	36.0	32.2	27.8	22.4	19.0			
			180 080	80.0	65.1	53.7	43.8	37.9	33.9	29.3	23.7	20.3			
			210 080	80.0	66.6	55.8	45.5	39.4	35.2	30.5	24.7	21.2			
			240 080	80.0	67.0	57.6	47.0	40.7	36.4	31.5	25.6	22.0			
			270 080	80.0	67.2	59.2	48.3	41.8	37.4	32.4	26.3	22.7			
			300 080	80.0	67.4	60.6	49.5	42.8	38.3	33.2	27.0	23.3			
			330 080	80.0	67.5	61.9	50.5	43.8	39.1	33.9	27.6	23.8			
			Option	Torque table	32	90 080	31.8	24.8	21.6	19.8	18.6	17.7	16.5	14.6	12.3
120 080	31.8	27.4				23.8	22.0	20.7	19.7	18.5	16.7	14.6			
150 080	31.8	29.3				25.5	23.5	22.1	21.1	19.9	18.1	16.1			
180 080	80.0	65.8				54.2	44.2	38.3	34.2	29.6	24.0	20.5			
210 080	80.0	66.8				56.3	46.0	39.8	35.6	30.8	25.0	21.5			
240 080	80.0	67.1				58.1	47.4	41.1	36.7	31.8	25.8	22.2			
270 080	80.0	67.3				59.7	48.7	42.2	37.7	32.6	26.6	22.9			
300 080	80.0	67.5				61.1	49.9	43.2	38.6	33.4	27.2	23.5			
330 080	80.0	67.6				62.4	50.9	44.1	39.4	34.1	27.8	24.0			

# Discontinue

Index series

Product specifications

Roller gear cam unit	
Small	Standard
Wide angle	Table
Small multi-index	Flat
Torque table	Torque table
Parallel cam unit	
Standard	Torque table
Option	

# Output torque table

Index series

●RGIS flange shaft (3 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Dynamic rated output torque (N-m)								
						Input shaft rotational speed (rpm)								
						10	20	30	40	50	70	100	140	200
Roller gear cam unit	Small	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
	Standard	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
	Wide angle	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
Table	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	
Small multi-index	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	59.1	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	
Flat	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	
Torque table	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 unit	Standard	30	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
	Torque table	30	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
	Option	30	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
Option	30	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	
Option	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	
Option	30	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	
Option	30	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 dwells)

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)								
				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

Small

Standard

Wide angle

Roller gear cam unit

Table

Small multi-index

Flat

Torque table

Parallel cam unit

Torque table

Option

# Output torque table

Index series

●RGIS flange shaft (4 dwells)

Cam curve/MS

Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Dynamic rated output torque (N·m)									
						Input shaft rotational speed (rpm)									
						10	15	20	30	40	50	75	100	150	
Roller gear cam unit	Small	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	38.1	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 unit	Flat	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	Torque table	36	240	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	

# Discontinue

Index series

## ●RGIS flange shaft (4 dwells)

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)								
				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

Small  
Standard  
Wide angle  
Roller gear cam unit  
Table  
Small multi-index  
Flat  
Torque table  
Standard  
Parallel cam unit  
Torque table  
Option



# Output torque table

Index series

●RGIS flange shaft (4 dwells)

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)								
				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	Small	Roller gear cam unit
	Standard	
	Wide angle	
	Table	
	Small multi-index	
	Fiat	
Torque table	Parallel cam unit	
Standard		
Torque table	Option	
Standard		