

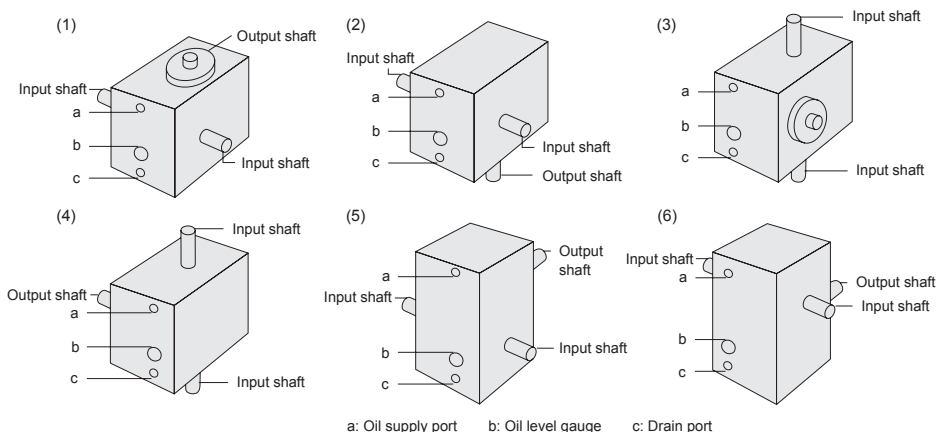
Common specifications



1. Installation specifications

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

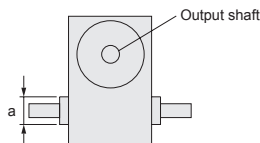
Depending on position of index drive, oil supply port, drain port and oil level gauge are differently located. You need to choose 1 of the correct positions from (1) to (6).



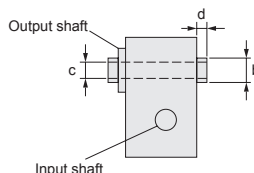
2. Housing mounting holes: mounting holes all machined on the 6 faces of the housing

3. Housing material/Fc

4. Dimension of the stepped section of the input shaft

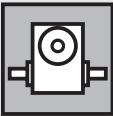


5. Hollow flange shaft model (custom order)



Dimensions Size	a
063	ø 15
080	ø 17
100	ø 24

Dimensions Size	b	c	d
063	ø 30	ø 20	5
080	ø 40	ø 30	5
100	ø 50	ø 40	5



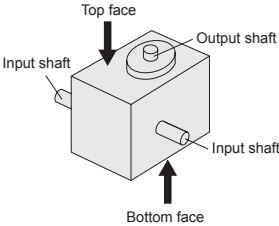
6. Output shaft (flange shaft) positioning pin hole dimensions (custom order)

When positioning pin holes are added to the output shaft, the dimensions below should be standard:

Size	063	080	100
Pitch			
Standard Hole diameter	2-ø8H7 depth 15 (P.C.D.45)	2-ø10H7 depth 20 (P.C.D.60)	2-ø10H7 depth 20 (P.C.D.70)

7. Housing dowel pin hole dimensions (custom order)

When housing dowel pin holes are to be added, the dimensions below should be standard:



Size	063	080	100
Top face			
Bottom face			
Standard Hole diameter	2-ø6H7 depth 8	2-ø8H7 depth 10	2-ø10H7 depth 10

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

Product specifications

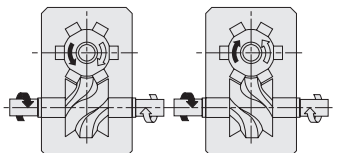
Compact	Standard	Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	Pick and Place drive	Linear	Circular	Option
---------	----------	-------	------------	---------------------	------	-------	--------------------	----------------------	--------	----------	--------

Roller gear cam drive **Discontinue**
Compact multi-index

1. Standard units/Model No. table Index series

Product specifications	RGIM 080 - 024 270 S 1 F 1															
	A		B		C		D		E		F		G		H	
Compact																
Standard																
Table																
Wide angle																
	Compact multi-index															
Flat																
	Basic															
m drive																

A Model No.		B Shaft interval		C Index number (n)		D Total index angle (θt)		E Cam curve		F Cam helix direction/dwell No.	
RGIM	063	63 mm	004	4	090	90°	S	MS curve	1	Left helix/1 dwell	
	080	80 mm	006	6	120	120°	C	MC curve	2	Left helix/2 dwell	
	100	100 mm	008	8	150	150°	T	MT curve	3	Left helix/3 dwell	
			010	10	180	180°			4	Left helix/4 dwell	
	012	12	210	210°							
	016	16	240	240°					5	Right helix/1 dwell	
	020	20	270	270°					6	Right helix/2 dwell	
	024	24	300	300°					7	Right helix/3 dwell	
	032	32	330	330°					8	Right helix/4 dwell	
	040	40									
	048	48									
	060	60									
	064	64									
	072	72									
	080	80									
	096	96									



Left helix (standard)

Right helix

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

Example of model No. (1)

RGIM080-010180C1F2

Shaft interval..... 80 mm

Index number..... 10

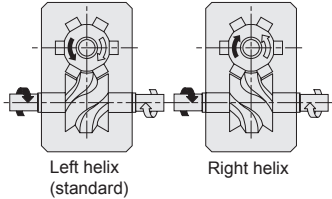
Total index angle..... 180°

Cam curve MC curve

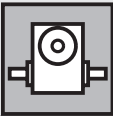
Cam helix direction/dwell No. Left helix/1 dwell

Shape of the output shaft Flange

Installation position..... Position 2



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



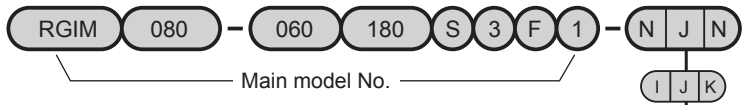
G Shape of the output shaft		H Installation position	
F	Flange	1 2 3 4 5 6	Position 1 Position 2 Position 3 Position 4 Position 5 Position 6

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

Option	Pick and Place drive		Roller gear cam drive			
	Linear	Circular	Parallel cam drive			
			Basic	Flat	Compact multi-index	Wide angle
				Compact		

Roller gear cam drive **Discontinue**
Compact multi-index

2-1. Units with Options/Model No. table Index series



Product specifications

Compact

Standard

Table

Wide angle

Compact multi-index

Flat

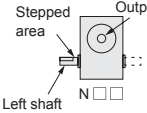
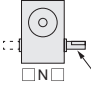
Basic

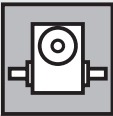
Parallel cam drive

Linear

Circular

Option

Input/Output shaft specification code		
I Input shaft specification code (left shaft)	J Input shaft specification code (right shaft)	K Output shaft specification code
N  Left shaft N □ □	N  Right shaft □ N □	N There is no output shaft option for compact multi-index. □ □ N
K  K □ □	K  □ K □	
C  C □ □	C  □ C □	
J  J □ □ (Proximity switch)	J  □ J □ (Proximity switch)	
N Standard (with keyway) K No keyway C Cutoff *This is cut off at the stepped spot. It will protrude from the housing. Check the dimensions with the diagram. J Input shaft - with rotation detection cam + proximity switch (1 station) *2 or more are custom order items. (When the input shaft is rotated in both directions, 2 may be required.) *3 or more dwell intervals are custom order items. *The proximity switch detects 2 spots for 2 dwell.		



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

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

Example of model No. (2)

RGIM100-048120S2F1-NJN

Input shaft specification

Left shaft: standard

Right shaft: Input shaft - with rotation detection cam + proximity switch (1 station)

Output shaft specification

Standard

● Custom specification Model No. Common for Index and Reducer series



*Add "-X (6 digit number)" after the main model No. as the special specification number.
The special specification model number shall be determined after a consultation with the customer.
Options other than the standard are available by request. Please provide CKD with the specifications.
*High speed specifications (input shaft rotational speed of 200 rpm or higher) are special specifications.

Product specifications

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

Roller gear cam drive **Discontinue**
Compact multi-index

1. Standard units / Model No. table **Reducer series**

Product specifications	RGCM080-024360RLF1															
	A		B		C		D		E		F		G		H	
Compact	A model No.		B Shaft interval		C reduction ratio (id)		D Total index angle (Bt)		E Cam curve		F Cam helix direction/dwell No.					
Standard	RGCM		063	63 mm	004	1/4	360	360°	R	Constant velocity rotation curve	L	Left helix				
			080	80 mm	006	1/6			R		Right helix					
			100	100 mm	008	1/8										
					010	1/10										
					012	1/12										
Table					016	1/16										
					020	1/20										
					024	1/24										
Wide angle																
Compact multi-index																
Flat																
Basic																
Parallel cam drive																



G Shape of the output shaft		H Installation position	
F	Flange	1 2 3 4 5 6	Position 1 Position 2 Position 3 Position 4 Position 5 Position 6

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

Product specifications	Compact
	Standard
	Table
	Wide angle
Roller gear cam drive	Compact multi-index
	Flat
	Basic
Parallel cam drive	
Pick and Place drive	Linear
	Circular
Option	

Difference
between shafts:

63 mm

Flange shaft

Discontinue

Index

RGIM 063

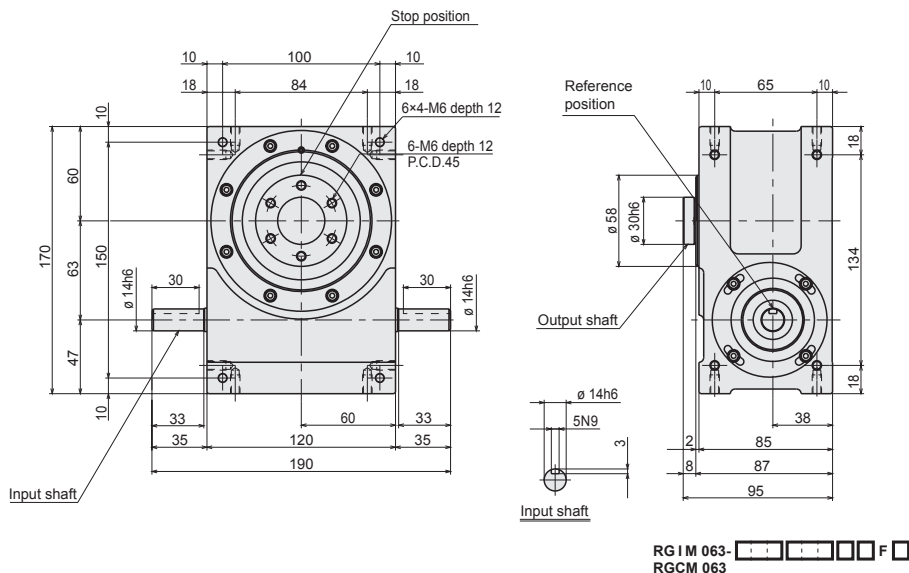
Reducer

RGCM 063

Compact multi-index

● Standard specifications

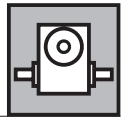
Dimensions



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

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

Installation position	1	2	3
Series	RGIM/RGCM	RGIM/RGCM	RGIM/RGCM
Dimensions			
Installation position	4	5	6
Series	RGIM/RGCM	RGIM/RGCM	RGIM/RGCM
Dimensions			



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	5000	800
Allowable radial force	N	4500	750
Allowable bending moment	N·m	200	-
Moment of inertia	kg·m ²	1.28×10^{-3}	2.48×10^{-4}

Descriptions	Unit	Characteristics
Internal frictional torque (T _{in})	N·m	1.9
Product weight	kg	9.0
Oil level	ℓ	0.3
Paint color		Silver

Accuracy

Accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±90
	3 dwell	±135
	4 dwell	±180
Repeatability		20

* For the dwell accuracy, please contact CKD.

List of index angles

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

Total index angle (θt)		90	120	150	180	210	240	270	300	330
Index number (n)										
1 dwell	4							○	○	○
	6				○	○	○	○	○	○
	8				○	○	○	○	○	○
	10				○	○	○	○	○	○
	12	○	○	○	○	○	○	○	○	○
	16	○	○	○	○	○	○	○	○	○
	20	○	○	○	○	○	○	○	○	○
2 dwell	24			○	○	○	○	○	○	○
	32		○	○	○	○	○	○	○	○
	40	○	○	○	○	○	○	○	○	○
3 dwell	48			○	○	○	○	○	○	○
	60		○	○	○	○	○	○	○	○
	72				○	○	○	○	○	○
4 dwell	64			○	○	○	○	○	○	○
	80		○	○	○	○	○	○	○	○
	96			○	○	○	○	○	○	○

Reducer series **RGCM 063**

Total index angle (θt)		360
Reduction ratio (id)		
1/4		○
1/6		○
1/8		○
1/10		○
1/12		○
1/16		○
1/20		○
1/24		○

Product specifications

Pick and Place drive Linear Circular	Parallel cam drive	Basic	Flat	Compact multi-index	Wide angle	Table	Standard	Compact
	Option							

80 mm

Flange shaft

Discontinue

Index

RGIM 080

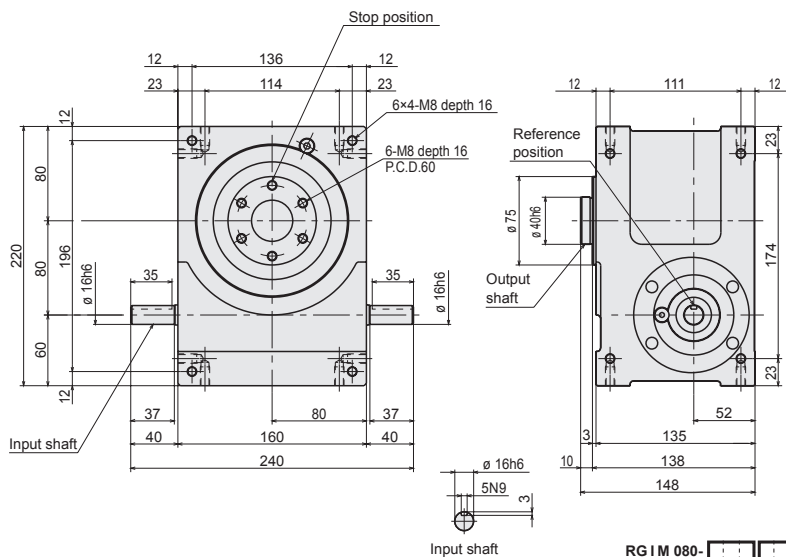
Reducer

RGCM 080

Compact multi-index

● Standard specifications

Dimensions

RGIM 080- F
RGCM 080

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

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

Installation position	1	2	3
Series	RGIM/RGCM	RGIM/RGCM	RGIM/RGCM
Dimensions			
Installation position	4	5	6
Series	RGIM/RGCM	RGIM/RGCM	RGIM/RGCM
Dimensions			



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	7000	1200
Allowable radial force	N	7000	900
Allowable bending moment	N·m	500	-
Moment of inertia	kg·m ²	6.76 × 10 ⁻³	7.35 × 10 ⁻⁴

Descriptions	Unit	Characteristics
Internal frictional torque (T _{in})	N·m	3.0
Product weight	kg	25
Oil level	ℓ	0.7
Paint color		Silver

Accuracy

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

* For the dwell accuracy, please contact CKD.

List of index angles

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

Total index angle (θt)		90	120	150	180	210	240	270	300	330
Index number (n)										
1 dwell	4							○	○	○
	6				○	○	○	○	○	○
	8			○	○	○	○	○	○	○
	10			○	○	○	○	○	○	○
	12	○	○	○	○	○	○	○	○	○
	16	○	○	○	○	○	○	○	○	○
	20	○	○	○	○	○	○	○	○	○
	24	○	○	○	○	○	○	○	○	○
2 dwell	32		○	○	○	○	○	○	○	○
	40	○	○	○	○	○	○	○	○	○
	48	○	○	○	○	○	○	○	○	○
3 dwell	48				○	○	○	○	○	○
	60		○	○	○	○	○	○	○	○
	72	○	○	○	○	○	○	○	○	○
4 dwell	64			○	○	○	○	○	○	○
	80		○	○	○	○	○	○	○	○
	96		○	○	○	○	○	○	○	○

Reducer series **RGCM 080**

Total index angle (θt)	360
Reduction ratio (id)	
1/4	○
1/6	○
1/8	○
1/10	○
1/12	○
1/16	○
1/20	○
1/24	○

Product specifications

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

Difference
between shafts:

100 mm

Flange shaft

Discontinue

Index

RGIM 100

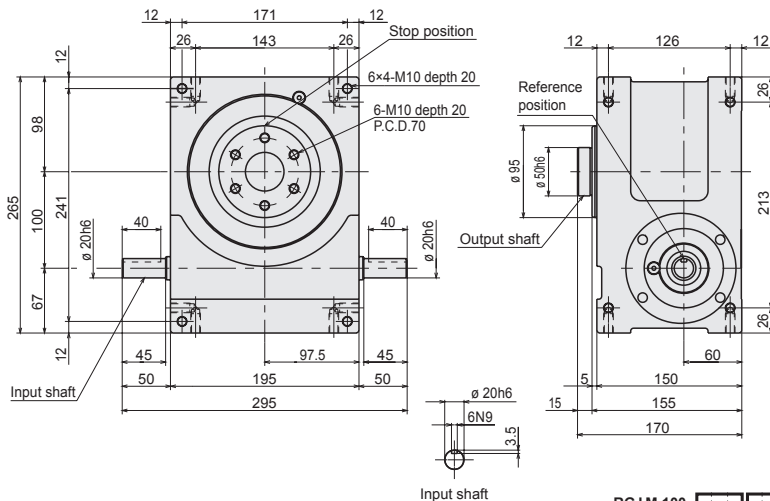
Reducer

RGCM 100

Compact multi-index

● Standard specifications

Dimensions



RGIM 100- ☐ ☐ ☐ ☐ ☐ F ☐

RGCM 100

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

- Oil fill/drain port ($Rc^{3/8}$)
- Oil level gauge ($\varnothing 30$)

Installation position	1	2	3
Series	RGIM/RGCM	RGIM/RGCM	RGIM/RGCM
Dimensions			
Installation position	4	5	6
Series	RGIM/RGCM	RGIM/RGCM	RGIM/RGCM
Dimensions			



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	9000	2200
Allowable radial force	N	9500	2000
Allowable bending moment	N·m	800	-
Moment of inertia	kg·m ²	1.80 × 10 ⁻²	2.01 × 10 ⁻³

Descriptions	Unit	Characteristics
Internal frictional torque (T _{in})	N·m	4.8
Product weight	kg	40
Oil level	ℓ	1.2
Paint color		Silver

Accuracy

Accuracy (sec.)		
Indexing accuracy	1 dwell	±30
	2 dwell	±50
	3 dwell	±70
	4 dwell	±90
Repeatability		15

* For the dwell accuracy, please contact CKD.

List of index angles

Index series **RGIM 100** Cam curve/MS

Total index angle (θt)		90	120	150	180	210	240	270	300	330
Index number (n)										
1 dwell	4							○	○	○
	6				○	○	○	○	○	○
	8			○	○	○	○	○	○	○
	10			○	○	○	○	○	○	○
	12	○	○	○	○	○	○	○	○	○
	16	○	○	○	○	○	○	○	○	○
	20	○	○	○	○	○	○	○	○	○
	24	○	○	○	○	○	○	○	○	○
2 dwell	32		○	○	○	○	○	○	○	○
	40	○	○	○	○	○	○	○	○	○
	48	○	○	○	○	○	○	○	○	○
3 dwell	48				○	○	○	○	○	○
	60		○	○	○	○	○	○	○	○
	72	○	○	○	○	○	○	○	○	○
4 dwell	64			○	○	○	○	○	○	○
	80		○	○	○	○	○	○	○	○
	96		○	○	○	○	○	○	○	○

Reducer series **RGCM 100**

Total index angle (θt)	360
Reduction ratio (id)	
1/4	○
1/6	○
1/8	○
1/10	○
1/12	○
1/16	○
1/20	○
1/24	○

Product specifications

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

Discontinue

Output torque table

Index series

- RGIM flange shaft (1 dwell)

Cam curve/MS

Product specifications		Cam curve/MS												
		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
						Input shaft rotational speed (rpm)								
						30	60	90	120	150	200	300	400	600
Compact	Standard	4	270	063	21.5	14.2	14.2	13.7	13.3	13.0	12.6	10.5	9.0	6.5
				080	40.6	26.6	26.5	25.5	24.7	24.0	22.9	20.6	17.2	8.6
				100	170.2	95.1	89.8	76.5	67.8	61.5	53.5	41.7	31.5	10.8
Standard	Table		300	063	21.5	15.1	15.0	14.6	14.2	13.9	13.5	11.3	9.8	7.4
				080	102.1	60.4	57.2	49.2	43.8	40.0	35.3	28.9	24.0	15.5
				100	238.6	114.8	108.6	93.4	83.1	75.6	66.4	53.4	43.0	23.5
Wide angle	Compact multi-index		330	063	21.5	15.8	15.8	15.5	15.1	14.7	14.3	12.1	10.5	8.2
				080	102.1	63.3	59.9	52.1	46.4	42.4	37.5	31.0	26.2	18.2
				100	238.6	120.3	113.8	98.8	88.0	80.2	70.7	57.6	47.6	29.8
Flat	Basic		180	063	21.5	14.2	14.0	13.4	13.0	12.7	12.2	10.1	8.4	5.4
				080	40.6	26.6	26.1	24.9	24.0	23.2	21.9	19.0	14.7	
				100	170.2	95.1	88.2	74.8	66.1	59.6	51.1	37.6	25.0	
Parallel cam drive	Option	6	210	063	21.5	15.4	15.4	14.8	14.4	14.0	13.6	11.3	9.7	7.0
				080	102.1	61.9	58.4	49.7	44.2	40.2	35.4	28.5	23.0	12.8
				100	238.6	117.7	110.9	94.2	83.7	75.9	66.3	52.1	40.2	16.3
240	063		60.4	37.2	35.2	30.3	27.1	24.8	22.1	18.6	16.3	12.9		
	080		136.6	87.6	82.9	71.3	63.6	58.1	51.4	42.6	36.2	25.6		
	100		238.6	125.0	118.2	101.6	90.3	82.2	72.3	58.3	47.2	26.5		
270	063		60.4	39.0	36.9	32.1	28.7	26.3	23.4	19.8	17.4	14.1		
	080		136.6	91.8	86.9	75.6	67.4	61.6	54.7	45.7	39.3	29.4		
	100		238.6	131.0	123.9	107.6	95.9	87.4	77.2	63.2	52.6	34.0		
300	063		82.3	56.4	53.4	46.9	41.9	38.4	34.3	29.1	25.8	21.3		
	080		136.6	95.3	90.1	79.2	70.7	64.6	57.5	48.2	41.9	32.4		
	100		258.3	213.2	213.1	200.7	179.1	163.8	145.6	122.1	105.9	81.5		
330	063	82.3	58.0	54.9	48.6	43.5	39.8	35.6	30.2	26.8	22.4			
	080	136.6	98.0	92.8	82.1	73.4	67.2	59.8	50.4	44.0	34.8			
	100	258.3	219.4	219.3	208.0	186.0	170.1	151.4	127.4	111.3	87.6			
8	150	080	27.4	19.0	18.5	17.7	16.9	16.2	15.0	10.4	5.7			
		100	50.6	35.2	34.2	32.5	30.9	29.3	26.4	19.5	9.4			
		180	063	21.5	16.4	16.3	15.7	15.3	14.9	14.4	12.0	10.3	7.5	
	080		40.6	30.7	30.5	29.3	28.3	27.5	26.2	23.7	19.8	10.0		
	100		127.2	82.4	77.5	65.7	58.2	52.6	45.3	34.1	24.0			
	210	063	21.5	17.4	17.4	16.9	16.4	16.1	15.6	13.1	11.4	8.8		
		080	40.6	32.6	32.6	31.6	30.7	29.9	28.7	26.5	23.0	14.6		
		100	170.2	116.3	109.9	94.5	84.1	76.5	67.2	54.0	43.4	23.6		
	240	063	21.5	18.1	18.1	17.8	17.4	17.0	16.5	14.0	12.2	9.7		
		080	40.6	34.1	34.0	33.5	32.5	31.7	30.6	28.6	25.4	17.8		
		100	170.2	121.4	114.8	100.0	89.0	81.2	71.6	58.6	48.7	31.2		
	270	063	60.4	42.5	40.2	35.5	31.7	29.0	25.9	22.0	19.4	16.0		
080		102.1	75.4	71.4	62.9	56.1	51.3	45.6	38.1	32.9	25.0			
100		170.2	125.3	118.5	104.4	93.0	84.9	75.2	62.2	52.7	36.8			
300	063	60.4	43.5	41.2	36.5	32.8	30.0	26.8	22.8	20.2	16.7			
	080	102.1	77.3	73.1	64.7	58.1	53.1	47.3	39.7	34.6	27.0			
	100	238.6	146.4	138.5	122.5	109.9	100.5	89.2	74.5	64.2	48.1			
10	330	063	60.4	44.3	42.0	37.1	33.7	30.8	27.5	23.4	20.8	17.3		
		080	102.1	78.7	74.5	65.9	59.7	54.7	48.7	41.0	35.9	28.5		
		100	238.6	149.1	141.1	124.8	113.0	103.4	91.9	77.1	66.9	51.6		
	150	080	27.4	21.1	20.8	19.9	19.1	18.5	17.3	12.9	8.7			
		100	50.6	39.0	38.4	36.6	35.0	33.6	31.0	25.1	16.4			
		180	063	21.2	16.6	15.7	13.5	12.0	11.0	9.7	8.0	6.8	3.2	
	080		27.4	22.6	22.5	21.7	21.0	20.4	19.4	15.3	11.7	4.4		
	100		50.6	41.7	41.5	40.0	38.6	37.3	35.1	30.5	23.6	5.6		
	210	063	21.2	17.4	16.4	14.3	12.8	11.7	10.4	8.7	7.5	5.6		
		080	27.4	23.6	23.6	23.1	22.4	21.8	20.9	16.9	13.7	7.6		
		100	127.2	93.5	88.4	76.8	68.3	62.1	54.6	43.9	35.3	19.3		

● RGIM flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
10	240	063	21.2	17.9	17.0	14.9	13.3	12.2	10.9	9.1	7.9	6.2
		080	40.6	36.1	36.0	35.8	34.8	34.0	32.9	31.0	27.9	20.6
		100	127.2	96.4	91.2	80.2	71.5	65.1	57.5	47.0	39.0	25.0
	270	063	21.5	19.6	19.6	19.6	19.2	18.8	18.3	15.5	13.7	11.2
		080	40.6	36.9	36.9	36.8	36.0	35.2	34.1	32.3	29.4	22.6
		100	127.2	98.6	93.3	82.5	74.0	67.5	59.8	49.4	41.8	29.1
	300	063	21.5	19.9	19.9	19.9	19.7	19.3	18.7	16.0	14.2	11.7
		080	40.6	37.5	37.5	37.5	37.0	36.2	35.1	33.4	30.6	24.1
		100	127.2	100.3	94.9	83.9	76.0	69.5	61.6	51.3	43.9	32.2
	330	063	21.5	20.2	20.1	20.1	20.1	19.7	19.2	16.4	14.5	12.1
		080	40.6	38.0	38.0	38.0	37.9	37.0	36.0	34.3	31.5	25.2
		100	127.2	101.6	96.1	85.0	77.7	71.1	63.1	52.8	45.6	34.5
12	90	063	21.5	14.2	13.5	13.0	12.5	12.1	11.6	9.1	6.9	2.4
		080	102.1	57.0	51.2	43.3	38.1	34.2	28.9	20.0	11.2	
		100	238.6	108.4	97.2	81.9	71.6	63.6	52.5	32.6	11.7	
	120	063	60.4	37.2	34.5	29.4	26.2	23.9	21.2	17.6	15.0	10.9
		080	136.6	87.6	81.0	68.9	61.3	55.7	48.9	39.1	31.2	16.1
		100	238.6	125.0	115.4	97.9	86.7	78.3	67.5	50.8	35.6	
	150	063	82.3	56.4	53.3	45.4	40.6	37.1	33.1	27.9	24.5	19.6
		080	136.6	95.2	89.9	76.6	68.3	62.3	55.1	45.3	38.1	25.8
		100	258.3	213.2	212.6	194.2	173.0	157.8	139.5	114.6	96.1	64.1
	180	063	82.3	59.3	56.1	48.6	43.4	39.8	35.5	30.1	26.5	21.7
		080	191.6	114.5	108.3	93.7	83.6	76.5	67.9	56.8	49.0	37.1
		100	258.3	224.4	224.3	208.0	185.5	169.5	150.4	125.3	107.6	79.4
	210	063	82.3	61.3	58.1	51.0	45.5	41.7	37.2	31.6	28.0	23.3
		080	191.6	118.4	112.1	98.4	87.8	80.4	71.5	60.2	52.5	41.3
		100	380.1	303.8	287.6	252.4	225.3	206.1	183.4	154.2	134.4	105.3
	240	063	82.3	62.7	59.4	52.6	47.2	43.2	38.6	32.8	29.1	24.4
		080	191.6	121.3	114.8	101.6	91.1	83.4	74.3	62.7	55.1	44.4
		100	380.1	310.9	294.3	260.4	233.5	213.7	190.4	160.7	141.1	113.2
	270	063	82.3	63.8	60.4	53.4	48.5	44.4	39.7	33.8	30.0	25.2
		080	191.6	123.3	116.7	103.3	93.6	85.7	76.5	64.7	57.1	46.6
		100	380.1	316.1	299.2	264.8	240.0	219.8	195.9	165.8	146.2	119.1
	300	063	82.3	64.5	61.1	54.1	49.5	45.4	40.5	34.5	30.7	25.9
		080	191.6	124.9	118.2	104.6	95.7	87.7	78.2	66.4	58.7	48.4
		100	380.1	320.0	302.9	268.1	245.3	224.7	200.4	169.9	150.2	123.6
	330	063	82.3	65.1	61.7	54.6	50.1	46.2	41.3	35.2	31.3	26.5
		080	191.6	126.0	119.3	105.6	96.8	89.3	79.7	67.7	60.0	49.8
		100	380.1	322.9	305.7	270.6	248.1	228.8	204.2	173.3	153.6	127.3
16	90	063	21.5	16.4	15.8	15.2	14.7	14.3	13.7	11.1	9.0	5.1
		080	40.6	30.7	29.5	28.1	27.0	25.9	24.2	20.1	14.1	
		100	127.2	82.3	74.8	63.0	55.2	49.0	40.6	25.5		
	120	063	21.5	18.1	17.9	17.3	16.8	16.4	15.9	13.2	11.3	8.2
		080	102.1	73.0	68.4	58.2	51.8	47.1	41.4	33.4	27.0	15.0
		100	170.2	121.3	113.6	96.5	85.6	77.6	67.5	52.5	39.6	
	150	063	60.4	43.5	41.2	35.5	31.7	29.1	25.9	21.9	19.2	15.4
		080	102.1	77.3	73.1	63.0	56.1	51.2	45.3	37.4	31.6	21.9
		100	238.6	146.3	138.4	119.2	106.1	96.7	85.2	69.4	57.2	35.4
	180	063	60.4	45.0	42.6	37.3	33.4	30.5	27.2	23.1	20.4	16.7
		080	102.1	79.9	75.6	66.3	59.1	54.0	48.0	40.1	34.6	25.9
		100	238.6	151.2	143.1	125.4	111.8	102.1	90.4	74.8	63.6	44.9
	210	063	60.4	45.9	43.5	38.5	34.5	31.6	28.2	24.0	21.3	17.7
		080	136.6	108.6	102.8	90.9	81.6	74.7	66.5	56.1	49.2	39.4
		100	238.6	154.5	146.1	129.3	115.9	105.9	94.1	78.6	67.8	51.0

Product specifications

Compact

Standard

Table

Wide angle

Compact multi-index

Flat

Basic

Parallel cam drive

Pack and Pin

Linear

Circular

Option

Output torque table

Index series

● RGIM flange shaft (1 dwell)

Cam curve/MS

Product specifications			Cam curve/MS																							
			Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)																			
							Input shaft rotational speed (rpm)																			
							30	60	90	120	150	200	300	400	600											
Compact	Standard	Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	Option	Linear	Circular	Peak and Phase drive	24	16	90	240	063	60.4	46.5	44.1	39.0	35.5	32.5	29.0	24.7	21.9	18.3
																080	136.6	110.2	104.3	92.3	83.8	76.8	68.4	57.9	51.0	41.6
																100	238.6	156.6	148.2	131.1	119.1	108.9	96.9	81.4	70.9	55.3
															270	063	60.4	47.0	44.5	39.4	36.1	33.2	29.6	25.2	22.4	18.8
																080	136.6	111.3	105.3	93.2	85.5	78.4	69.9	59.3	52.4	43.2
																100	238.6	158.2	149.7	132.5	121.4	111.3	99.1	83.6	73.2	58.4
															300	063	60.4	47.3	44.8	39.7	36.4	33.7	30.1	25.7	22.8	19.3
																080	136.6	112.1	106.1	93.9	86.1	79.8	71.2	60.5	53.6	44.4
																100	238.6	159.3	150.8	133.5	122.3	113.2	100.9	85.3	75.1	60.7
														330	063	60.4	47.6	45.1	39.9	36.6	34.2	30.5	26.0	23.2	19.6	
															080	136.6	112.7	106.7	94.4	86.6	80.9	72.2	61.4	54.5	45.5	
															100	238.6	160.2	151.6	134.2	123.0	114.9	102.5	86.8	76.6	62.6	
Roller gear cam drive	20	90	063	21.2	16.6	15.3	13.0	11.6	10.5	9.2	7.3	5.8	2.8													
			080	27.4	22.5	21.8	20.8	20.0	19.2	17.8	12.5	7.2														
			100	50.6	41.7	40.3	38.2	36.4	34.6	31.4	23.5	12.2														
		120	063	21.5	19.1	19.1	18.4	17.9	17.5	17.0	14.3	12.3	9.3													
			080	40.6	36.1	36.0	34.6	33.5	32.6	31.3	28.7	24.7	14.7													
			100	127.2	96.4	91.1	77.5	68.7	62.3	54.2	42.1	31.7														
		150	063	21.5	19.9	19.9	19.6	19.0	18.6	18.1	15.3	13.4	10.7													
			080	40.6	37.5	37.5	36.8	35.8	34.9	33.7	31.5	28.1	19.9													
			100	127.2	100.3	94.8	82.4	73.3	66.8	58.7	47.5	38.6	22.3													
		180	063	21.5	20.3	20.3	20.3	19.8	19.4	18.9	16.0	14.2	11.6													
			080	40.6	38.4	38.4	38.3	37.3	36.4	35.3	33.4	30.2	23.0													
			100	170.2	136.4	129.1	114.1	101.9	93.1	82.5	68.6	58.7	42.6													
210	063	21.5	20.6	20.6	20.6	20.4	20.0	19.4	16.6	14.7	12.1															
	080	40.6	39.0	38.9	38.9	38.4	37.6	36.4	34.6	31.7	25.0															
	100	170.2	138.4	130.9	115.8	104.9	95.9	85.3	71.4	61.9	47.4															
240	063	21.5	20.8	20.8	20.8	20.8	20.4	19.9	17.0	15.1	12.6															
	080	40.6	39.3	39.3	39.3	39.2	38.4	37.3	35.6	32.8	26.4															
	100	170.2	139.7	132.2	116.9	107.1	98.1	87.4	73.5	64.2	50.6															
270	063	21.5	21.0	21.0	21.0	20.9	20.8	20.2	17.3	15.4	12.9															
	080	40.6	39.6	39.6	39.5	39.5	39.1	38.0	36.4	33.6	27.4															
	100	170.2	140.6	133.1	117.7	107.9	99.9	89.0	75.2	66.0	53.1															
300	063	21.5	21.1	21.1	21.1	21.0	21.0	20.5	17.5	15.6	13.1															
	080	102.1	85.2	80.7	71.4	65.5	61.2	54.7	46.4	41.1	34.1															
	100	170.2	141.2	133.7	118.3	108.5	101.3	90.4	76.5	67.5	54.9															
330	063	21.5	21.1	21.1	21.1	21.1	21.1	20.8	17.8	15.8	13.4															
	080	102.1	85.5	81.0	71.7	65.7	61.4	55.4	47.1	41.8	34.8															
	100	170.2	141.7	134.2	118.8	108.9	101.7	91.6	77.7	68.6	56.4															
Option	Circular	Peak and Phase drive	24	16	90	080	27.4	23.7	23.2	22.2	21.4	20.6	19.3	14.3	9.4											
						100	50.6	43.9	42.9	40.8	39.1	37.4	34.4	27.6	17.5											
						120	080	27.4	25.2	25.1	24.3	23.6	22.9	21.9	17.5	13.7	6.5									
					150	100	50.6	46.5	46.3	44.8	43.2	41.9	39.7	35.1	28.2	10.3										
						063	21.2	19.0	18.0	15.8	14.1	12.9	11.5	9.7	8.4	6.5										
						080	27.4	25.9	25.9	25.6	24.9	24.3	23.4	19.2	16.0	10.3										
					180	100	50.6	47.8	47.7	47.2	45.8	44.5	42.7	39.1	33.6	19.9										
						063	21.2	19.4	18.3	16.2	14.6	13.4	11.9	10.1	8.8	7.1										
						080	27.4	26.4	26.3	26.3	25.8	25.2	24.4	20.3	17.3	12.5										
					210	100	127.2	104.2	98.6	87.2	78.5	71.7	63.5	52.6	44.8	32.0										
						063	21.2	19.5	18.5	16.4	15.0	13.7	12.2	10.4	9.1	7.5										
						080	27.4	26.6	26.6	26.6	26.5	25.9	25.1	21.1	18.2	13.9										
240	100	127.2	105.3	99.6	88.1	80.5	73.6	65.4	54.6	47.2	35.7															
	063	21.2	19.7	18.6	16.5	15.1	14.0	12.5	10.6	9.4	7.7															
	080	27.4	26.8	26.8	26.8	26.7	26.4	25.6	21.7	18.9	14.8															
100	127.2	106.0	100.3	88.7	81.3	75.1	66.8	56.1	48.9	38.3																

● RGIM flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				30	60	90	120	150	200	300	400	600
24	270	063	21.2	19.8	18.7	16.6	15.2	14.2	12.7	10.8	9.6	8.0
		080	27.4	27.0	26.9	26.9	26.8	26.1	22.1	19.4	15.5	
		100	127.2	106.5	100.8	89.2	81.7	76.3	68.0	57.3	50.3	40.1
	300	063	21.2	19.8	18.8	16.6	15.2	14.2	12.8	10.9	9.7	8.1
		080	27.4	27.0	27.0	27.0	27.0	27.0	26.4	22.5	19.8	16.1
		100	127.2	106.8	101.1	89.5	82.0	76.6	68.9	58.3	51.3	41.6
	330	063	21.2	19.9	18.8	16.7	15.3	14.3	13.0	11.1	9.8	8.3
		080	27.4	27.1	27.1	27.1	27.1	27.0	26.8	22.8	20.1	16.5
		100	127.2	107.1	101.4	89.7	82.3	76.9	69.8	59.1	52.2	42.7

Product specifications

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

Output torque table

Index series

● RGIM flange shaft (2 dwell)

Cam curve/MS

Product specifications			Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)									
							Input shaft rotational speed (rpm)									
							15	30	45	60	75	100	150	200	300	
Roller gear cam drive			32	120	063	21.5	18.1	18.1	17.8	17.4	17.0	16.5	14.0	12.2	9.7	
					080	102.1	73.0	69.1	60.2	53.7	49.1	43.5	36.1	30.9	22.3	
					100	170.2	121.4	114.8	100.0	89.0	81.2	71.6	58.6	48.7	31.2	
				150	063	60.4	43.5	41.2	36.5	32.8	30.0	26.8	22.8	20.2	16.7	
					080	102.1	77.3	73.1	64.7	58.1	53.1	47.3	39.7	34.6	27.0	
					100	238.6	146.4	138.5	122.5	109.9	100.5	89.2	74.5	64.2	48.1	
				180	063	60.4	45.0	42.6	37.7	34.4	31.5	28.2	24.0	21.3	17.8	
					080	102.1	79.9	75.6	66.9	61.1	56.0	49.9	42.1	37.0	29.8	
					100	238.6	151.3	143.2	126.7	115.6	105.8	94.1	79.2	69.1	54.3	
				210	063	60.4	45.9	43.5	38.5	35.3	32.7	29.2	24.8	22.1	18.6	
					080	136.6	108.6	102.8	91.0	83.4	77.2	68.9	58.5	51.8	42.9	
					100	238.6	154.5	146.2	129.4	118.6	109.7	97.7	82.6	72.6	58.5	
				240	063	60.4	46.5	44.1	39.0	35.8	33.5	30.0	25.5	22.7	19.2	
					080	136.6	110.2	104.3	92.3	84.7	79.1	70.8	60.2	53.4	44.6	
					100	238.6	156.7	148.3	131.2	120.3	112.4	100.5	85.1	75.1	61.5	
				270	063	60.4	47.0	44.5	39.4	36.1	33.8	30.6	26.1	23.2	19.7	
					080	136.6	111.3	105.3	93.3	85.5	80.0	72.3	61.5	54.7	45.9	
					100	238.6	158.2	149.8	132.6	121.5	113.6	102.6	87.1	77.1	63.8	
				300	063	60.4	47.3	44.8	39.7	36.4	34.0	31.1	26.5	23.7	20.1	
					080	136.6	112.1	106.1	93.9	86.2	80.6	73.6	62.6	55.8	47.0	
					100	238.6	159.3	150.8	133.5	122.4	114.4	104.4	88.8	78.7	65.5	
				330	063	60.4	47.6	45.1	39.9	36.6	34.2	31.4	26.9	24.0	20.4	
					080	136.6	112.7	106.7	94.5	86.6	81.0	74.3	63.6	56.6	47.8	
					100	238.6	160.2	151.7	134.3	123.1	115.1	105.5	90.1	80.1	67.0	
Parallel cam drive			40	90	063	21.2	16.6	15.7	13.5	12.0	11.0	9.7	8.0	6.8	3.2	
					080	27.4	22.6	22.5	21.7	21.0	20.4	19.4	15.3	11.7	4.4	
					100	127.2	89.4	84.5	72.3	64.1	58.2	50.7	39.6	30.1	10.9	
				120	063	21.5	19.1	19.1	19.0	18.5	18.2	17.6	15.0	13.2	10.7	
					080	40.6	36.1	36.0	35.8	34.8	34.0	32.9	31.0	27.9	20.6	
					100	127.2	96.4	91.2	80.2	71.5	65.1	57.5	47.0	39.0	25.0	
				150	063	21.5	19.9	19.9	19.9	19.7	19.3	18.7	16.0	14.2	11.7	
					080	40.6	37.5	37.5	37.5	37.0	36.2	35.1	33.4	30.6	24.1	
					100	127.2	100.3	94.9	83.9	76.0	69.5	61.6	51.3	43.9	32.2	
				180	063	21.5	20.3	20.3	20.3	20.3	20.0	19.5	16.7	14.8	12.4	
					080	40.6	38.4	38.4	38.4	38.3	37.7	36.7	35.0	32.3	26.1	
					100	170.2	136.4	129.1	114.3	104.7	96.4	85.9	72.4	63.4	50.4	
				210	063	21.5	20.6	20.6	20.6	20.6	20.6	20.1	17.2	15.3	12.8	
					080	40.6	39.0	38.9	38.9	38.9	38.9	37.8	36.2	33.5	27.6	
					100	170.2	138.4	131.0	115.9	106.2	99.3	88.5	74.9	65.9	53.6	
				240	063	21.5	20.8	20.8	20.8	20.8	20.8	20.5	17.6	15.6	13.2	
					080	40.6	39.3	39.3	39.3	39.3	39.3	38.7	37.1	34.4	28.6	
					100	170.2	139.7	132.2	117.0	107.3	100.3	90.5	76.8	67.9	55.8	
				270	063	21.5	21.0	21.0	21.0	21.0	20.9	20.9	17.9	15.9	13.5	
					080	40.6	39.6	39.6	39.6	39.6	39.5	39.4	37.8	35.1	29.4	
					100	170.2	140.6	133.1	117.8	108.0	101.0	92.2	78.3	69.4	57.6	
				300	063	21.5	21.1	21.1	21.1	21.1	21.0	21.0	18.1	16.2	13.7	
					080	102.1	85.2	80.7	71.4	65.5	61.3	56.1	48.1	42.8	36.0	
					100	170.2	141.3	133.7	118.4	108.5	101.5	93.0	79.5	70.6	58.9	
				330	063	21.5	21.1	21.1	21.1	21.1	21.1	21.1	18.4	16.4	13.9	
					080	102.1	85.5	81.0	71.7	65.8	61.5	56.4	48.4	43.4	36.6	
					100	170.2	141.7	134.2	118.8	108.9	101.8	93.3	80.6	71.7	60.1	
Option			48	90	080	27.4	23.8	23.7	23.1	22.4	21.8	20.8	16.7	13.3	6.7	
					100	50.6	43.9	43.8	42.6	41.1	39.9	37.8	33.7	27.4	11.1	
					080	27.4	25.2	25.2	25.1	24.5	23.9	23.1	19.1	16.2	11.2	
				120	100	50.6	46.5	46.4	46.3	45.1	43.9	42.2	39.2	34.3	22.4	

● RGIM flange shaft (2 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				15	30	45	60	75	100	150	200	300
48	150	063	21.2	19.0	18.0	16.0	14.6	13.4	11.9	10.1	8.9	7.3
		080	27.4	25.9	25.9	25.9	25.8	25.2	24.4	20.5	17.8	13.5
		100	50.6	47.9	47.8	47.7	47.5	46.4	44.9	42.2	38.0	28.1
	180	063	21.2	19.4	18.3	16.2	14.9	13.8	12.3	10.5	9.3	7.7
		080	27.4	26.4	26.4	26.3	26.3	26.1	25.4	21.5	18.8	14.9
		100	127.2	104.2	98.7	87.3	80.0	74.3	66.1	55.7	48.6	38.4
	210	063	21.2	19.5	18.5	16.4	15.0	14.0	12.6	10.8	9.6	8.0
		080	27.4	26.6	26.6	26.6	26.6	26.6	26.0	22.1	19.5	15.8
		100	127.2	105.3	99.7	88.2	80.8	75.5	67.9	57.4	50.5	40.8
	240	063	21.2	19.7	18.6	16.5	15.1	14.1	12.9	11.0	9.8	8.2
		080	27.4	26.8	26.8	26.8	26.8	26.8	26.6	22.6	20.0	16.4
		100	127.2	106.0	100.3	88.8	81.4	76.1	69.2	58.7	51.8	42.5
	270	063	21.2	19.8	18.7	16.6	15.2	14.2	13.0	11.2	9.9	8.4
		080	27.4	27.0	26.9	26.9	26.9	26.9	26.9	23.0	20.4	16.9
		100	127.2	106.5	100.8	89.2	81.8	76.5	70.0	59.7	52.9	43.8
	300	063	21.2	19.8	18.8	16.6	15.2	14.3	13.1	11.3	10.1	8.5
		80	27.4	27.0	27.0	27.0	27.0	27.0	27.0	23.4	20.7	17.3
		100	127.2	106.8	101.1	89.5	82.1	76.7	70.3	60.6	53.8	44.8
	330	063	21.2	19.9	18.8	16.7	15.3	14.3	13.1	11.4	10.2	8.6
		080	27.4	27.1	27.1	27.1	27.1	27.1	27.1	23.7	21.0	17.6
		100	127.2	107.1	101.4	89.8	82.3	76.9	70.5	61.4	54.5	45.6

Product specifications

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

Output torque table

Index series

● RGIM flange shaft (3 dwell)

Cam curve/MS

Product specifications			Cam curve/MS																					
			Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Rated dynamic output torque (N-m)																	
							Input shaft rotational speed (rpm)																	
							10	20	30	40	50	70	100	140	200									
Compact	Standard	Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive					Circular rack and Pinion drive	Option											
														Roller gear cam drive										
														48										
48	150	063	21.5	19.1	19.1	19.1	19.1	18.7	17.9	15.5	13.5	11.4												
		080	102.1	77.3	73.2	64.7	59.2	54.2	47.4	40.8	35.0	28.9												
		100	238.6	146.4	138.5	122.6	112.1	102.6	89.5	76.8	65.4	52.8												
	180	063	60.4	45.0	42.6	37.7	34.6	32.1	28.2	24.5	21.3	18.4												
		080	102.1	79.9	75.6	67.0	61.4	57.0	49.9	43.1	37.3	31.4												
		100	238.6	151.3	143.2	126.7	116.1	107.9	94.3	81.3	70.0	58.0												
	210	063	60.4	45.9	43.5	38.5	35.3	33.0	29.2	25.3	22.2	19.1												
		080	136.6	108.6	102.8	91.0	83.5	78.0	68.9	59.7	52.0	44.4												
		100	238.6	154.5	146.2	129.4	118.7	110.9	97.8	84.6	73.2	61.6												
	240	063	60.4	46.5	44.1	39.0	35.8	33.5	29.9	26.0	22.8	19.7												
		080	136.6	110.2	104.3	92.3	84.7	79.2	70.8	61.4	53.6	46.0												
		100	238.6	156.7	148.3	131.3	120.4	112.5	100.5	87.1	75.6	64.1												
	270	063	60.4	47.0	44.5	39.4	36.1	33.8	30.5	26.6	23.3	20.1												
		080	136.6	111.3	105.3	93.3	85.5	80.0	72.2	62.8	54.8	47.2												
		100	238.6	158.2	149.8	132.6	121.6	113.7	102.6	89.0	77.5	66.1												
	300	063	60.4	47.3	44.8	39.7	36.4	34.0	30.8	27.0	23.7	20.5												
		080	136.6	112.1	106.1	94.0	86.2	80.6	72.8	63.9	55.8	48.2												
		100	238.6	159.3	150.9	133.6	122.5	114.5	103.4	90.6	79.0	67.7												
330	063	60.4	47.6	45.1	39.9	36.6	34.2	30.9	27.4	24.0	20.8													
	080	136.6	112.7	106.7	94.5	86.7	81.0	73.2	64.8	56.7	49.0													
	100	238.6	160.2	151.7	134.3	123.1	115.1	104.0	92.0	80.3	69.0													
60	120	063	21.5	19.1	19.1	19.1	18.9	18.5	17.7	15.3	13.3	11.2												
		080	40.6	36.1	36.0	36.0	35.5	34.7	33.5	32.0	28.5	22.8												
		100	127.2	96.5	91.2	80.7	73.0	66.6	57.8	49.0	40.6	30.2												
	150	063	21.5	19.9	19.9	19.9	19.9	19.6	18.8	16.3	14.2	12.1												
		080	40.6	37.5	37.5	37.5	37.4	37.0	35.7	34.3	30.9	25.6												
		100	127.2	100.3	94.9	84.0	76.9	70.9	61.8	53.0	44.9	35.8												
	180	063	21.5	20.3	20.3	20.3	20.3	20.3	19.6	17.0	14.8	12.8												
		080	40.6	38.4	38.4	38.4	38.3	38.3	37.2	35.9	32.5	27.4												
		100	170.2	136.4	129.1	114.3	104.8	97.9	86.0	74.2	64.0	53.4												
	210	063	21.5	20.6	20.6	20.6	20.6	20.6	20.2	17.5	15.3	13.2												
		080	40.6	39.0	38.9	38.9	38.9	38.9	38.4	37.0	33.7	28.7												
		100	170.2	138.4	131.0	115.9	106.3	99.3	88.5	76.6	66.4	56.1												
	240	063	21.5	20.8	20.8	20.8	20.8	20.8	20.6	17.9	15.7	13.5												
		080	40.6	39.3	39.3	39.3	39.3	39.3	39.2	37.9	34.5	29.6												
		100	170.2	139.7	132.2	117.1	107.3	100.3	90.5	78.5	68.2	58.1												
	270	063	21.5	21.0	21.0	21.0	21.0	21.0	20.7	18.2	15.9	13.8												
		080	40.6	39.6	39.6	39.6	39.6	39.6	39.5	38.6	35.2	30.3												
		100	170.2	140.6	133.1	117.8	108.0	101.0	91.2	80.0	69.6	59.6												
300	063	21.5	21.1	21.1	21.1	21.1	21.1	20.8	18.5	16.2	14.0													
	080	102.1	85.2	80.7	71.4	65.5	61.3	55.4	49.1	42.9	37.0													
	100	170.2	141.3	133.7	118.4	108.6	101.5	91.7	81.2	70.8	60.8													
330	063	21.5	21.1	21.1	21.1	21.1	21.1	20.9	18.7	16.4	14.2													
	080	102.1	85.5	81.0	71.7	65.8	61.5	55.6	49.7	43.5	37.5													
	100	170.2	141.7	134.2	118.8	109.0	101.9	92.0	82.2	71.8	61.8													
72	90	080	27.4	23.8	23.7	23.6	22.9	22.3	21.1	17.7	14.1	9.4												
		100	50.6	43.9	43.8	43.5	42.2	41.0	39.0	36.0	29.6	18.3												
		120	080	27.4	25.2	25.2	25.1	25.0	24.4	23.3	19.9	16.7	12.9											
	150	100	50.6	46.5	46.5	46.4	46.1	45.0	43.2	40.8	35.6	26.7												
		080	27.4	25.9	25.9	25.9	25.9	25.7	24.6	21.2	18.1	14.7												
		100	50.6	47.9	47.8	47.8	47.7	47.4	45.7	43.6	38.8	31.1												
	180	063	21.2	19.4	18.3	16.2	14.9	13.9	12.3	10.7	9.3	8.0												
		080	27.4	26.4	26.4	26.3	26.3	26.3	25.5	22.0	19.0	15.8												
		100	127.2	104.2	98.7	87.3	80.0	74.8	66.2	57.1	49.2	40.9												

● RGIM flange shaft (3 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Rated dynamic output torque (N-m)								
				Input shaft rotational speed (rpm)								
				10	20	30	40	50	70	100	140	200
72	210	063	21.2	19.5	18.5	16.4	15.0	14.1	12.6	11.0	9.6	8.2
		080	27.4	26.6	26.6	26.6	26.6	26.2	22.6	19.6	16.5	
		100	127.2	105.3	99.7	88.2	80.9	75.6	67.9	58.7	50.9	42.8
	240	063	21.2	19.7	18.6	16.5	15.1	14.1	12.8	11.2	9.8	8.4
		080	27.4	26.8	26.8	26.8	26.8	26.8	26.5	23.1	20.1	17.1
		100	127.2	106.0	100.3	88.8	81.4	76.1	68.7	60.0	52.1	44.3
	270	063	21.2	19.8	18.7	16.6	15.2	14.2	12.8	11.4	9.9	8.6
		080	27.4	27.0	26.9	26.9	26.9	26.9	26.6	23.5	20.5	17.5
		100	127.2	106.5	100.8	89.2	81.8	76.5	69.1	61.0	53.1	45.4
	300	063	21.2	19.8	18.8	16.6	15.2	14.3	12.9	11.5	10.1	8.7
		080	27.4	27.0	27.0	27.0	27.0	27.0	26.7	23.9	20.8	17.8
		100	127.2	106.8	101.2	89.6	82.1	76.8	69.3	61.9	54.0	46.3
	330	063	21.2	19.9	18.8	16.7	15.3	14.3	12.9	11.6	10.2	8.8
		080	27.4	27.1	27.1	27.1	27.1	27.1	26.8	24.0	21.1	18.1
		100	127.2	107.1	101.4	89.8	82.3	77.0	69.5	62.3	54.7	47.0

Product specifications

Option	Pick and place drive	Parallel cam drive			Roller gear cam drive			Compact		
		Linear	Circular	Basic	Flat	Compact multi-index	Wide angle		Table	Standard

Output torque table

Index series

● RGIM flange shaft (4 dwell)

Cam curve/MS

Product specifications			Cam curve/MS											
			Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)							
							Input shaft rotational speed (rpm)							
							10	15	20	30	40	50	75	100
Roller gear cam drive	64	150	063	21.5	19.1	19.1	19.1	19.1	18.8	18.5	15.8	14.0	11.7	
			080	40.6	36.1	36.1	36.0	36.0	35.4	34.6	33.1	30.5	24.8	
			100	170.2	128.3	121.4	111.4	98.5	88.8	81.2	68.5	60.0	47.9	
		180	063	21.5	19.8	19.8	19.8	19.8	19.8	19.4	16.6	14.8	12.4	
			080	102.1	79.9	75.7	69.4	61.4	56.3	51.6	43.8	38.9	32.3	
			100	238.6	151.3	143.2	131.3	116.2	106.5	97.6	82.7	73.1	60.1	
		210	063	60.4	45.9	43.5	39.9	35.3	32.4	30.1	25.7	22.9	19.4	
			080	136.6	108.6	102.8	94.3	83.5	76.5	71.2	60.6	54.0	45.4	
			100	238.6	154.5	146.2	134.1	118.7	108.8	101.1	85.9	76.2	63.3	
	240	063	60.4	46.5	44.1	40.4	35.8	32.8	30.7	26.4	23.5	20.0		
		080	136.6	110.2	104.3	95.7	84.7	77.7	72.6	62.3	55.5	46.9		
		100	238.6	156.7	148.3	136.0	120.4	110.4	103.1	88.4	78.5	65.7		
	270	063	60.4	47.0	44.5	40.8	36.1	33.1	31.0	26.9	24.0	20.5		
		080	136.6	111.3	105.3	96.6	85.5	78.5	73.3	63.7	56.8	48.1		
		100	238.6	158.2	149.8	137.4	121.6	111.5	104.2	90.3	80.4	67.6		
	300	063	60.4	47.3	44.8	41.1	36.4	33.4	31.2	27.4	24.5	20.8		
		080	136.6	112.1	106.1	97.3	86.2	79.0	73.9	64.8	57.8	49.0		
		100	238.6	159.3	150.9	138.4	122.5	112.3	105.0	91.9	81.9	69.1		
330	063	60.4	47.6	45.1	41.3	36.6	33.6	31.4	27.8	24.8	21.1			
	080	136.6	112.7	106.7	97.9	86.7	79.5	74.3	65.7	58.6	49.8			
	100	238.6	160.2	151.7	139.1	123.2	112.9	105.6	93.3	83.1	70.3			
Parallel cam drive	80	120	063	21.2	17.9	17.0	15.6	13.8	12.3	11.3	9.5	8.4	6.9	
			080	27.4	24.4	24.3	24.3	24.3	23.6	23.0	19.4	16.7	12.7	
			100	127.2	96.4	91.3	83.7	73.9	65.9	60.1	50.3	43.5	32.9	
		150	063	21.5	19.9	19.9	19.9	19.9	19.8	19.4	16.6	14.7	12.4	
			080	40.6	37.5	37.5	37.5	37.5	37.2	36.4	34.9	32.3	26.6	
			100	170.2	133.4	126.3	115.8	102.4	93.4	85.4	72.2	63.6	51.6	
		180	063	21.5	20.3	20.3	20.3	20.3	20.3	20.2	17.3	15.4	13.0	
			080	40.6	38.4	38.4	38.4	38.4	38.3	38.0	36.4	33.8	28.2	
			100	170.2	136.4	129.2	118.5	104.8	96.0	88.9	75.5	66.8	55.2	
	210	063	21.5	20.6	20.6	20.6	20.6	20.6	20.6	17.8	15.8	13.4		
		080	40.6	39.0	39.0	38.9	38.9	38.9	38.9	37.6	35.0	29.3		
		100	170.2	138.4	131.0	120.1	106.3	97.5	91.1	77.8	69.1	57.6		
	240	063	21.5	20.8	20.8	20.8	20.8	20.8	20.8	18.1	16.2	13.8		
		080	40.6	39.3	39.3	39.3	39.3	39.3	39.3	38.4	35.8	30.2		
		100	170.2	139.7	132.2	121.3	107.4	98.4	92.0	79.6	70.8	59.4		
	270	063	21.5	21.0	21.0	21.0	21.0	21.0	21.0	18.5	16.5	14.0		
		080	40.6	39.6	39.6	39.6	39.6	39.6	39.5	39.1	36.5	30.9		
		100	170.2	140.6	133.1	122.1	108.1	99.1	92.6	81.1	72.2	60.8		
Option	96	300	063	21.5	21.1	21.1	21.1	21.1	21.1	21.1	18.7	16.7	14.2	
			080	102.1	85.2	80.7	74.0	65.5	60.1	56.2	49.7	44.4	37.6	
			100	170.2	141.3	133.7	122.7	108.6	99.6	93.1	82.3	73.4	62.0	
		330	063	21.5	21.1	21.1	21.1	21.1	21.1	21.1	18.8	16.9	14.4	
			080	102.1	85.5	81.0	74.3	65.8	60.3	56.4	49.9	44.9	38.2	
			100	170.2	141.7	134.2	123.1	109.0	99.9	93.4	82.6	74.3	62.9	
		120	080	27.4	25.2	25.2	25.2	25.1	24.6	24.1	20.3	17.7	13.8	
			100	50.6	46.5	46.5	46.4	46.3	45.4	44.2	41.9	38.0	29.0	
			063	21.2	19.0	18.0	16.5	14.6	13.4	12.3	10.5	9.3	7.8	
	150	080	27.4	25.9	25.9	25.9	25.9	25.8	25.4	21.5	19.0	15.4		
		100	50.6	47.9	47.8	47.8	47.7	47.6	46.7	44.5	40.9	32.7		
		063	21.2	19.4	18.3	16.8	14.9	13.6	12.7	10.9	9.7	8.1		
	180	080	27.4	26.4	26.4	26.4	26.3	26.3	26.3	22.4	19.8	16.3		
		100	127.2	104.2	98.7	90.5	80.1	73.4	68.5	58.1	51.4	42.3		

● RGIM flange shaft (4 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
			10	15	20	30	40	50	75	100	150	
96	210	063	21.2	19.5	18.5	17.0	15.0	13.8	12.9	11.1	9.9	8.4
		080	27.4	26.6	26.6	26.6	26.6	26.6	26.6	23.0	20.4	17.0
		100	127.2	105.3	99.7	91.4	80.9	74.2	69.3	59.7	52.9	44.0
	240	063	21.2	19.7	18.6	17.1	15.1	13.9	13.0	11.3	10.1	8.6
		080	27.4	26.8	26.8	26.8	26.8	26.8	26.8	23.5	20.9	17.5
		100	127.2	106.0	100.4	92.0	81.5	74.7	69.8	60.9	54.1	45.3
	270	063	21.2	19.8	18.7	17.2	15.2	13.9	13.0	11.5	10.3	8.7
		080	27.4	27.0	27.0	26.9	26.9	26.9	26.9	23.9	21.2	17.9
		100	127.2	106.5	100.8	92.5	81.9	75.0	70.1	61.9	55.1	46.4
	300	063	21.2	19.8	18.8	17.2	15.3	14.0	13.1	11.6	10.4	8.9
		080	27.4	27.0	27.0	27.0	27.0	27.0	27.0	24.0	21.6	18.2
		100	127.2	106.8	101.2	92.8	82.1	75.3	70.4	62.2	55.9	47.2
	330	063	21.2	19.9	18.8	17.3	15.3	14.0	13.1	11.6	10.5	9.0
		080	27.4	27.1	27.1	27.1	27.1	27.1	27.1	24.1	21.8	18.5
		100	127.2	107.1	101.4	93.0	82.3	75.5	70.6	62.4	56.6	47.9

Product specifications

Option	Parallel cam drive		Roller gear cam drive			Compact
	Pick and place drive		Compact multi-index	Wide angle	Table	
Option	Linear	Circular	Basic	Flat		Standard

Output torque table

Reducer series

● RGCM flange shaft

Cam curve/CV

Product specifications			Cam curve/CV																					
			Reduction ratio	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)																	
							Input shaft rotational speed (rpm)																	
							30	60	90	120	150	200	300	400	600									
Roller gear cam drive	Compact	Standard	Table	Wide angle	Multi-index	Flat	Basic	Option	Linear	Circular Pick and Place drive	Parallel cam drive	4	360	063	21.5	19.4	19.4	19.4	19.4	19.4	17.2	15.8	14.0	
													080	102.1	78.1	74.0	65.5	60.1	56.2	51.6	45.7	41.9	37.1	
													100	238.6	148.0	140.1	124.1	113.8	106.4	97.6	86.5	79.3	70.2	
	Compact	Standard	Table	Wide angle	Multi-index	Flat	Basic	Option	Linear	Circular Pick and Place drive	Parallel cam drive	6	360	063	82.3	64.9	61.4	54.4	49.9	46.7	42.8	37.9	34.8	30.8
													080	136.6	110.1	104.2	92.3	84.6	79.2	72.6	64.3	59.0	52.2	
													100	258.3	245.7	245.7	233.3	214.0	200.1	183.6	162.5	149.1	132.0	
	Compact	Standard	Table	Wide angle	Multi-index	Flat	Basic	Option	Linear	Circular Pick and Place drive	Parallel cam drive	8	360	063	21.5	20.9	20.9	20.9	20.9	20.9	20.9	18.6	17.1	15.1
													080	102.1	84.5	80.0	70.9	65.0	60.8	55.8	49.4	45.3	40.1	
													100	238.6	159.9	151.4	134.0	122.9	115.0	105.5	93.4	85.7	75.9	
	Compact	Standard	Table	Wide angle	Multi-index	Flat	Basic	Option	Linear	Circular Pick and Place drive	Parallel cam drive	10	360	063	21.5	21.1	21.1	21.1	21.1	21.1	21.1	18.8	17.2	15.3
													080	40.6	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	38.3	33.9
													100	50.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	47.7	42.2
Compact	Standard	Table	Wide angle	Multi-index	Flat	Basic	Option	Linear	Circular Pick and Place drive	Parallel cam drive	12	360	063	82.3	67.3	63.7	56.4	51.8	48.4	44.4	39.3	36.1	31.9	
												080	191.6	130.4	123.4	109.3	100.3	93.8	86.0	76.2	69.9	61.9		
												100	258.3	255.0	255.0	242.0	222.0	207.6	190.5	168.7	154.7	137.0		
Compact	Standard	Table	Wide angle	Multi-index	Flat	Basic	Option	Linear	Circular Pick and Place drive	Parallel cam drive	16	360	063	21.5	21.3	21.3	21.3	21.3	21.3	21.3	19.0	17.4	15.4	
												080	102.1	86.4	81.8	72.4	66.4	62.1	57.0	50.5	46.3	41.0		
												100	238.6	163.3	154.6	136.9	125.6	117.5	107.7	95.4	87.5	77.5		
Compact	Standard	Table	Wide angle	Multi-index	Flat	Basic	Option	Linear	Circular Pick and Place drive	Parallel cam drive	20	360	063	21.5	21.4	21.4	21.4	21.4	21.4	21.4	19.0	17.5	15.5	
												080	40.6	40.4	40.4	40.4	40.4	40.4	40.4	40.4	38.8	34.4		
												100	127.2	107.9	102.1	90.5	83.0	77.6	71.2	63.0	57.8	51.2		
Compact	Standard	Table	Wide angle	Multi-index	Flat	Basic	Option	Linear	Circular Pick and Place drive	Parallel cam drive	24	360	080	27.4	27.4	27.4	27.4	27.4	27.4	27.4	24.3	22.3	19.8	
												100	50.6	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	48.4	42.9	