

Table type

Index

RGIT

Reducer

RGCT

063 to 450

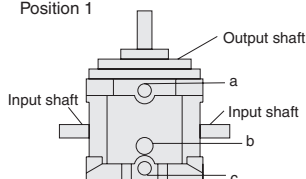
●Common specifications

1. Installation position

(1) (Output shaft upward facing) is the standard.

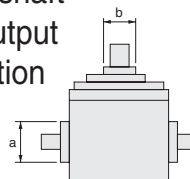
(Note that six installation positions are selected for 063 to 110 sizes.)

Position 1



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

3. Diameter of input shaft and fixed shaft (output side) stepped section



Dimension Size	a	b
063	ø 17	ø 22
080	ø 25	ø 38
110	ø 28	ø 60
140	ø 32	No step
180	ø 42	No step
250	ø 55	No step
350	ø 95	ø195
450	ø125	ø275

2. Housing material/Fc

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

Size	063	080	110	140
Pitch				
Ref. hole ø	2-ø8H7 depth 12	2-ø8H7 depth 12	2-ø10H7 depth 15	2-ø13H7 depth 20
Size	180	250	350	450
Pitch				
Ref. hole ø	2-ø16H7 depth 25	2-ø20H7 depth 30	2-ø24H7 depth 35	2-ø30H7 depth 45



5. Housing dowel pin hole dimensions (custom order)

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

Size	063	080	110
Lower face			
	2-ø8H7 depth 12	2-ø8H7 depth 12	2-ø10H7 depth 15
Size	140	180	250
Lower face			
	2-ø13H7 depth 20	2-ø16H7 depth 25	2-ø20H7 depth 30

* Contact CKD for dowel pin dimension tolerance.

6. Option/worm reducer

Standard worm reducers

Model	HO reducer Size	Reduction ratio Values in parentheses indicate the special speed ratio.	TE reducer Size	Reduction ratio
RGIT RGCT	063	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
	080	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
	110	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
	140	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
	180	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
	250	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
350				
Custom order: Contact CKD.				
450				

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

7. Option/torque saver (TST6 to TSF11)

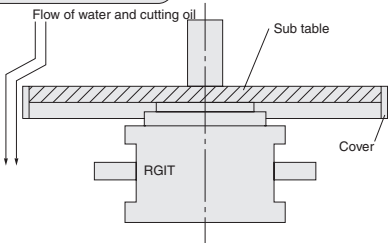
Standard torque saver

Model	Torque saver size
RGIT	063 TST 6
RGCT	080 TST 8
	110 TST11

8. Others

Make sure that water and cutting oil do not come in direct contact with the body.

Example of countermeasures



Product specifications

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

Table type

1. Standard model numbers Index series

Product specifications

Small

Standard

Wide angle

Table

Small multi-index

Flat

Torque table

Roller gear cam unit

RGIT

080

004

270

S

1

F

1

A

B

C

D

E

F

G

H

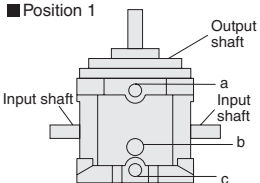
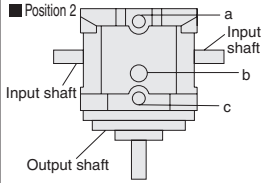
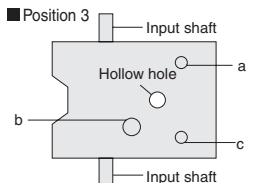
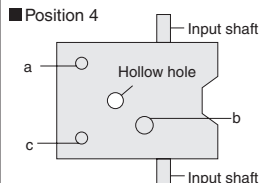
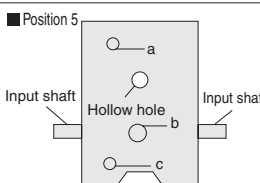
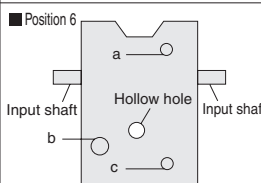
A Model		B Shaft interval		C Index number (n)		D Total index angle (g t)		E Cam curve		F Cam helix direction/dwell number	
RGIT	063	63 mm	003	3	090	90°	S	MS curve (Standard)	1	Left helix/1 dwell	
	080	80 mm	004	4	120	120°		C	MC curve (MCV50)	2	Left helix/2 dwell
	110	110 mm	005	5	150	150°				3	Left helix/3 dwell
	140	140 mm	006	6	180	180°	4			Left helix/4 dwell	
	180	180 mm	008	8	210	210°	T			MT curve	5
	250	250 mm	009	9	240	240°		6	Right helix/2 dwell		
	350	350 mm	010	10	270	270°		7	Right helix/3 dwell		
	450	450 mm	012	12	300	300°		8	Right helix/4 dwell		
			015	15	330	330°					
			016	16							
			018	18							
			020	20							
			024	24							
			030	30							
			032	32							
			036	36							
			040	40							
			048	48							

Left helix (Standard)

Right helix

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



G Output shaft shape		H Installation position		
F Flange		1 Position 1		
		2 Position 2		
		3 Position 3		
		4 Position 4		
		5 Position 5		
		6 Position 6		
		* Only "position 1" can be used for models having a shaft interval of 140mm or more.		

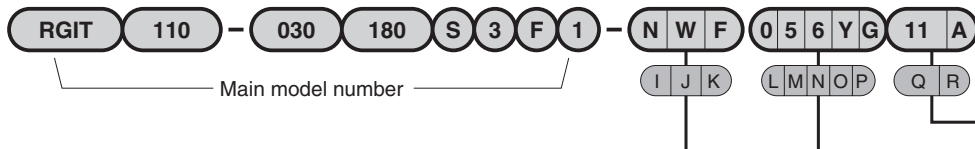
a: Oil supply port b: Oil level gauge c: Drain port

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

Table type

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

Product specifications



▼ With worm reducer installation

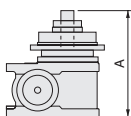
Input/output shaft specification codes	
I Input shaft specifications code (left shaft)	J Input shaft specifications code (right shaft)
N Stepped section Left shaft Output shaft N**	N Stepped section Right shaft N**
K K**	K K**
C C**	C C**
W W**	W W**
E E**	E E**
S S** (proximity switch) M** (micro switch)	S S** (proximity switch) M** (micro switch)
N Standard (with keyway)	
K No keyway	
C Cut	
W With worm reducer (W: HO reducer, E: TE reducer)	
E * Specifications for the worm reducer to be installed are required, so determine the worm reducer installation specifications code.	
S Input shaft - with rotation detection cam and proximity switch (1 station)	
M 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 as customized order.	
* The proximity switch detects two positions for two dwells and three positions for three dwells.	

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
*1/10, 1/30, and 1/50 for HO32 and HO40 are special reduction ratios, so check with CKD for the delivery schedule.	

*Refer to pages D-521 to 558.

Precautions for selecting torque savers

A dimensions differ depending on whether the torque saver is installed.



Model number	Torque saver	
	Without	With
RGIT063	210	255
RGIT080	260	295
RGIT110	340	



* When not installing the worm reducer on the input shaft and when installing the torque saver 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 is reducer input shaft (clutch side)		
Y	With clutch brake	Left shaft installation		
	Without clutch brake			
N	With clutch brake			
	Without clutch brake			
	With clutch brake	Right shaft installation		
	Without clutch brake			
	With clutch brake			
	Without clutch brake			
	With clutch brake			
	Without clutch brake			
	With clutch brake			
	Without clutch brake			

Torque saver installation specifications code

TSF size	Release torque range
06	TST6
08	TST8
11	TST11

Note 1: Contact CKD when designating the torque saver release setting torque. If not designated, the adjustment range is set to the minimum before shipment.
*Refer to pages D-559 to 590.

Note 2: The torque saver release detection proximity switch is a NO. An NC is available. Contact CKD for details.

Product specifications

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

Table type

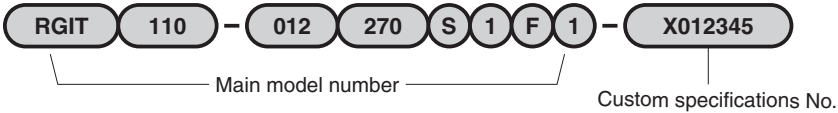
2-2. Examples of model numbers with options/3. Custom specification model numbers

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		Example of model number <2>		Example of model number <3>	
Roller gear cam unit	Small	RGIT140-048120S2F1-NMN Input shaft specifications Left shaft: Standard Right shaft: Input shaft - with rotation detection cam and micro switch (1 station) Output shaft specifications Standard		RGIT180-008270S1F1-WNN084YL Input shaft specifications Left shaft: Worm reducer installed Right shaft: Standard Output shaft specifications: Standard Worm reducer installation specifications Reducer size: HO80 Reduction ratio: 1/40 Presence of clutch-brake: Present Installation direction: L	
	Standard				
	Wide angle				
	Table				
Parallel cam unit	Small multi-index				
	Flat				
	Torque table				
	Standard				
Option					



● Custom specification model number Common for index and 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. Consult with CKD 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	Standard	Torque table	Option
Roller gear cam unit									
Parallel cam unit									

Table type

1. Standard model numbers Reducer series

Product specifications

Small

Standard

Wide angle

Table

Small multi-index

Flat

Torque table

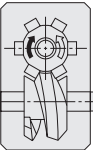
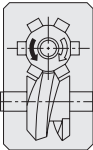
Parallel cam unit

Standard

Torque table

Option

A Model		B Shaft interval		C Reduction ratio (i/d)		D Total index angle (° t)		E Cam curve		F Cam helix direction/dwell number	
RGCT		063	63 mm	004	1/4	360	360°	R	Uniform velocity rotation curve	L	Left helix
		080	80 mm	005	1/5					R	Right helix
		110	110 mm	006	1/6						
		140	140 mm	008	1/8						
		180	180 mm	009	1/9						
		250	250 mm	010	1/10						
		350	350 mm	012	1/12						
		450	450 mm								



Left helix (Standard)

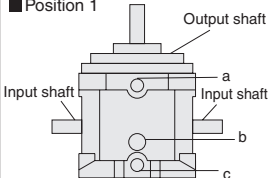
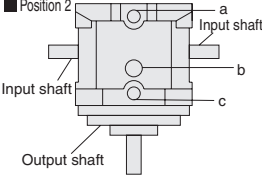
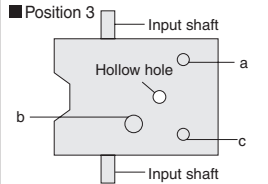
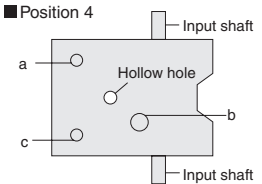
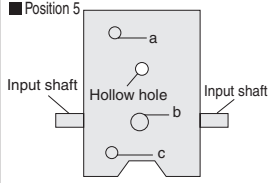
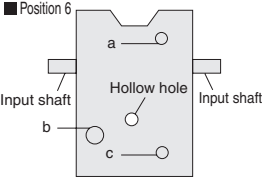
Right helix

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

Example of model number <1>

RGCT063-005360RLF1
Shaft interval 63mm
Reduction ratio 1/5
Total index angle 360°
Cam curve Uniform velocity rotation curve
Cam helix direction Left helix
Output shaft shape Flange
Installation position Position 1



G Output shaft shape		H Installation position	
F Flange	1 Position 1	■ Position 1	■ Position 2
	2 Position 2		
	3 Position 3		
	4 Position 4		
	5 Position 5		
	6 Position 6		
	* Only "position 1" can be used for models having a shaft interval of 140mm or more.		
		■ Position 3	■ Position 4
			
		■ Position 5	■ Position 6
			

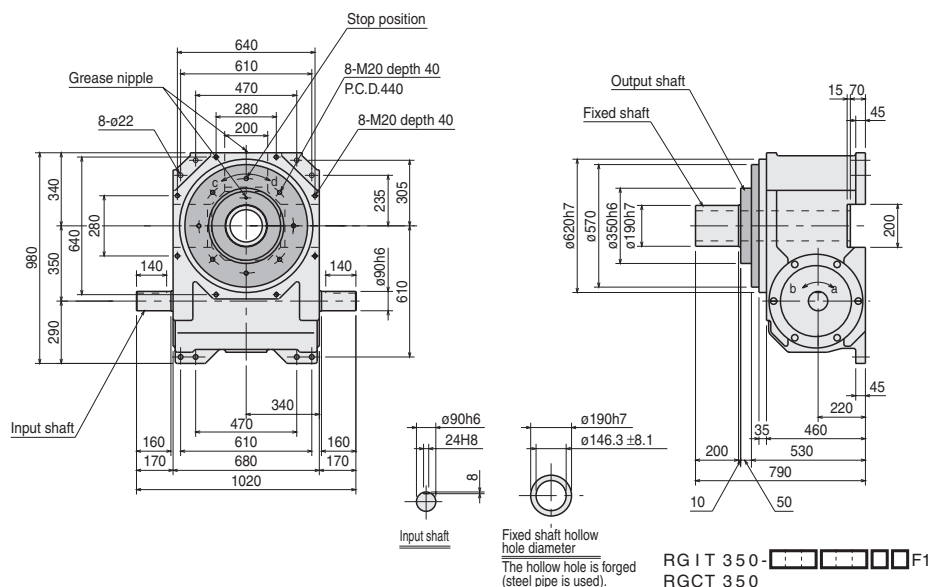
a: Oil supply port b: Oil level gauge c: Drain port

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

Table type

- Standard specifications

Dimensions



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

Installation position	1
Series	RGIT/RGCT
Dimension	

- Oil supply/drain port (Rc^{3/4})
- Oil level gauge (ø40)



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	50000	20000
Allowable radial force	N	34000	28000
Allowable bending moment	N·m	3000	—
Moment of inertia	kg·m ²	9.30	1.47

Accuracy

Descriptions	Unit	Characteristics
Internal friction torque (T _{fr})	N·m	89
Body weight	kg	1200
Oil level	ℓ	35
Paint color		Brown
Munsell value		10YR4.5/2

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

* Contact CKD for details on dwell accuracy.

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

Index series **RGIT 350** Cam curve/MS

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

Reducer series **RGCT 350**

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

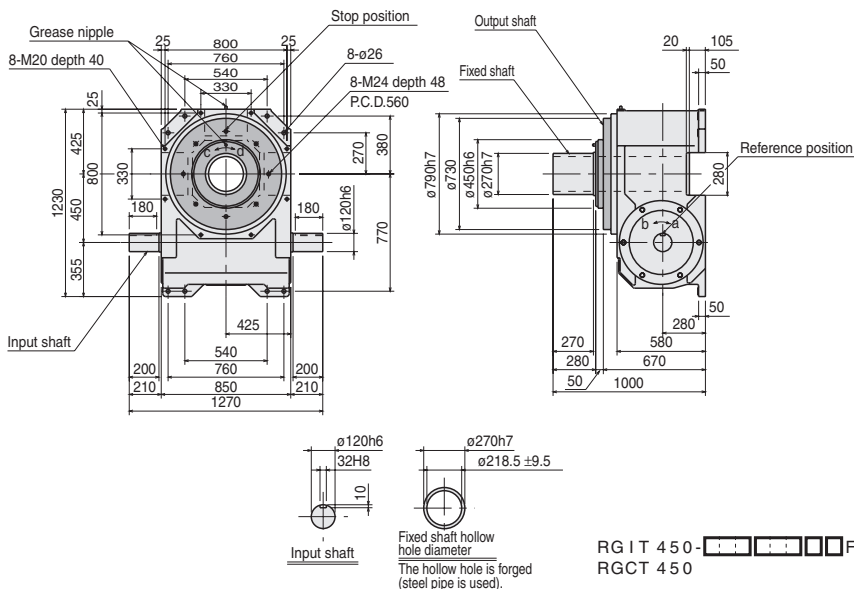
Product specifications

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

Table type

●Standard specifications

Dimensions



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

Installation position	1
Series	RGIT/RGCT
Dimension	 Technical drawing of the RGIT/RGCT series tool head showing dimensions in mm: - Overall height: 430 - Height from base to top of main body: 200 - Height of main body: 55 - Height of base: 0 - Overall width: 425 - Width of main body: 625

- Oil supply/drain port (Rc1)
- Oil level gauge (ø40)



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	75000	28000
Allowable radial force	N	49000	45000
Allowable bending moment	N·m	6000	—
Moment of inertia	kg·m ²	29.3	5.20

Accuracy

Descriptions	Unit	Characteristics
Internal friction torque (T _{fr})	N·m	147
Body weight	kg	2200
Oil level	ℓ	70
Paint color		Brown
Munsell value		10YR4.5/2

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

* Contact CKD for details on dwell accuracy.

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

Index series **RGIT 450** Cam curve/MS

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

Reducer series **RGCT 450**

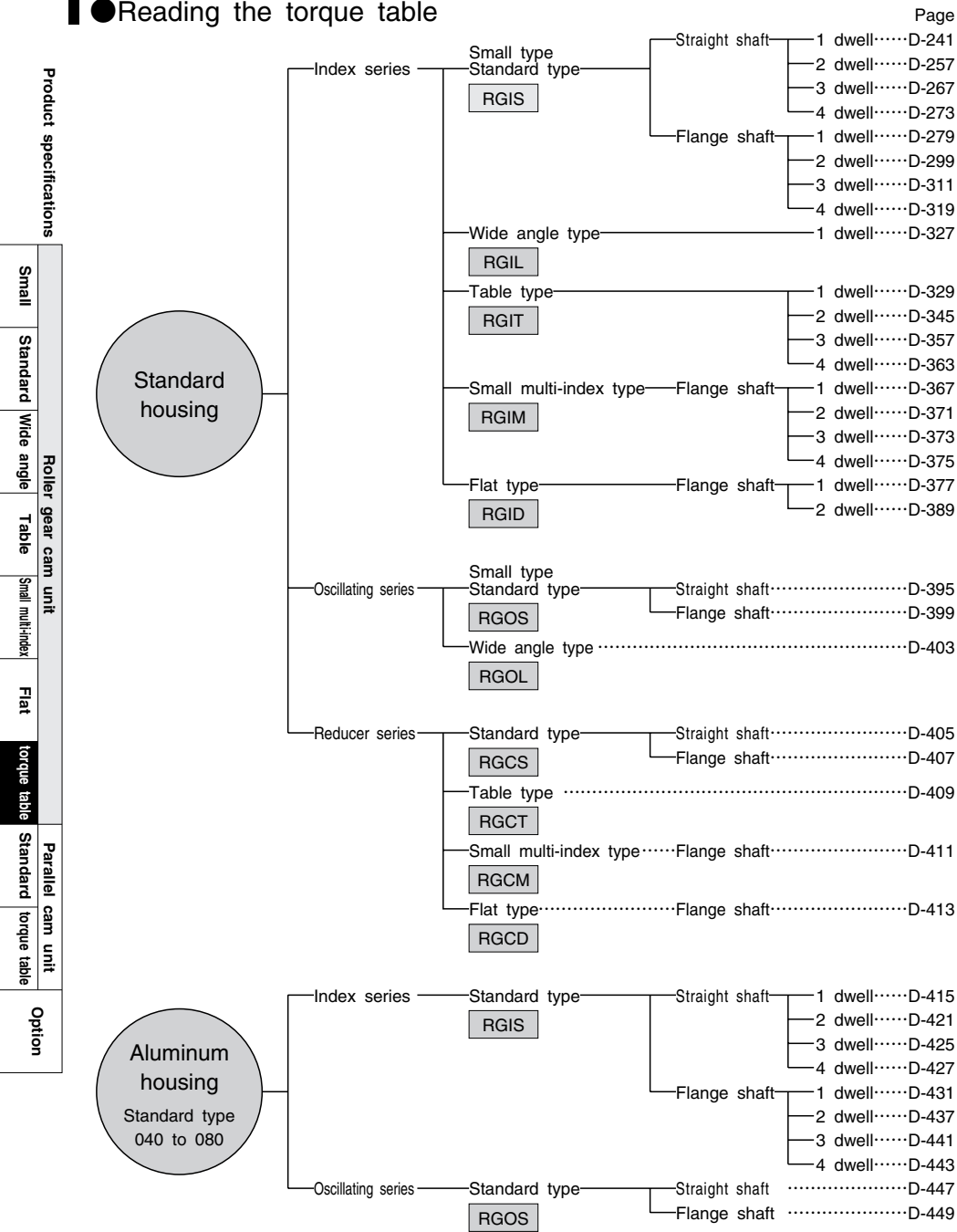
Total index angle (°) / Reduction ratio (rd)	360
1/4	○
1/5	○
1/6	○
1/8	○
1/9	○
1/10	○
1/12	○

Product specifications

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

Output torque table

●Reading the torque table

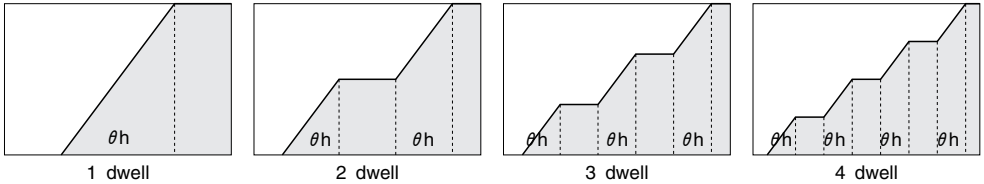


Discontinue

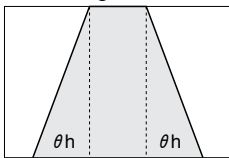
Precautions

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.

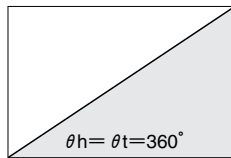
Index series



Oscillating series



Reducer series



$$\theta t = \theta h \times z$$

θt : Total index angle

θh : 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		
3	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	
	150	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	22.4	20.6	18.9	13.9	10.0
	140	080	152	68.1	61.2	52.2	46.7	42.4	38.1	33.8	29.5	18.1
		110	331	193	173	147	131	120	106	89	77	59
		140	362	262	235	200	178	163	145	127	110	86
		180	3030	1810	1710	1470	1310	1200	1060	890	770	590

• 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 $Tr(N \cdot m)$

Output torque table

Index series

●RGIT (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	3	240	063	27.6	17.9	17.4	16.7	16.1	15.6	14.8	13.1	10.5	
			080	88.3	48.6	44.8	37.9	33.4	30.0	25.4	17.8	10.3	
			270	063	27.6	19.1	18.8	18.1	17.5	17.0	16.2	14.7	12.4
		080		119	68.9	64.3	54.6	48.4	43.9	38.1	29.4	21.9	
		110		256	168	165	150	132	119	101	72	45	
		300	140	531	337	326	273	236	206	161			
			063	69.4	43.1	40.7	34.7	30.9	28.2	24.9	20.4	17.1	
			080	168	82.9	78.2	66.5	59.1	53.8	47.2	37.7	30.1	
			110	377	233	219	186	165	149	129	99	72	
		330	140	877	435	409	344	301	267	221	136		
			180	1800	902	842	699	596	510	378			
			250	4990	2350	2170	1760	1450	1160	670			
	063		69.4	45.0	42.5	36.5	32.5	29.7	26.3	21.8	18.5		
	4	180	080	168	86.6	81.9	70.2	62.5	56.9	50.1	40.7	33.4	
			110	377	244	231	197	175	159	139	109	84	
			140	877	458	431	367	322	288	242	164		
			180	1800	954	894	752	649	565	440	194		
		210	250	4990	2480	2310	1910	1600	1330	890			
			350	18000	5590	5210	4320	3650	3060	2130			
			450	24000	10500	9700	7900	6500	5200	3100			
			240	063	69.4	38.3	35.0	29.7	26.3	23.8	20.7	15.9	11.8
	080	119		64.4	58.6	49.6	43.6	39.1	33.1	23.0	13.1		
	210	063		69.4	41.7	38.6	32.8	29.2	26.5	23.3	18.6	14.8	
		080		168	80.0	74.0	62.8	55.7	50.4	43.7	33.4	24.3	
110		415		271	262	222	196	177	152	112	74		
140		877		418	384	320	276	240	186				
270	063	94.1		59.0	55.3	47.1	42.0	38.3	33.9	28.0	23.6		
	080	168		85.4	80.0	68.0	60.4	54.9	48.0	38.0	29.8		
	110	415		292	285	242	215	195	169	131	97		
	140	1110		585	546	460	404	360	300	195			
	180	2560		1160	1070	890	770	660	500				
	250	4990		2430	2230	1790	1450	1130	590				
	350	23500	8990	8310	6870	5820	4910	3500					
	450	25700	12900	11700	9400	7600	5900						
300	270	063	94.1	62.0	58.7	50.1	44.7	40.8	36.2	30.1	25.8	19.0	
		080	190	141	141	129	115	105	93	77	65	46	
		110	415	309	305	260	231	210	183	146	115	55	
		140	1110	621	585	496	437	393	334	237	142		
	330	180	3510	1520	1430	1210	1050	930	760	440			
		250	7170	3610	3370	2790	2370	2020	1470				
		350	23500	9610	9000	7520	6470	5600	4290				
		450	25700	13800	12800	10500	8700	7100					
		300	063	132	73.6	69.7	60.1	53.6	49.0	43.6	36.6	31.8	24.6
			080	190	147	147	136	121	111	98	82	71	52
			110	687	393	371	320	285	259	229	186	154	95
			140	1110	651	615	527	466	421	362	270	185	
330	180	3510	1610	1520	1290	1140	1010	850	550	260			
	250	7170	3800	3560	3000	2590	2240	1730	710				
	350	23300	11400	10700	9100	7900	7000	5600	3200				
	450	25700	14500	13600	11300	9600	8100						
330	063	132	75.9	71.9	62.5	55.8	51.1	45.5	38.3	33.5	26.5		
	080	190	153	153	142	127	116	103	86	75	57		
	110	687	407	385	335	298	272	241	198	166	112		
	140	1110	677	639	553	491	444	386	297	219			

●RGIT (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		
4	330	180	3510	1680	1590	1370	1210	1080	920	650	380		Roller gear cam unit	
		250	7170	3970	3720	3190	2770	2430	1940	1020				
		350	23300	11900	11200	9600	8400	7500	6200	3900				
		450	44000	17000	16000	13600	11700	10100	7700					
	150	063	18.0	12.4	11.9	11.3	10.8	10.2	9.4	6.1				
		080	88.3	49.7	44.9	37.8	33.0	29.2	24.0	14.5				
		110	229	103	92	77	65	55	40					
			180	063	27.6	20.1	19.5	18.7	18.1	17.5	16.6	14.8		11.9
080	119			72.6	66.9	56.7	50.2	45.3	39.0	29.1	20.0			
110	256			178	172	156	137	123	103	69	34			
140	531			357	340	283	242	207	155					
	210	180	1450	715	642	516	414	319						
		250	4680	1930	1700	1300	950	590						
		350	10100	4500	3980	3100	2330	1570						
		450	24300	8770	7660	5730	3960	2130						
	240	063	27.6	21.5	21.2	20.4	19.7	19.2	18.4	16.8	14.3	8.2		
		080	119	77.8	72.7	61.8	54.9	49.8	43.4	33.9	25.9	9.8		
		110	256	191	189	171	151	136	117	86	57			
		140	531	387	375	315	273	240	192	101				
	270	180	1450	780	717	588	492	406	268					
		250	4680	2110	1910	1520	1200	900	360					
		350	18000	5760	5270	4270	3490	2780	1570					
		450	24000	10800	9800	7800	6100	4400						
	300	063	69.4	48.3	45.7	39.0	34.8	31.7	28.1	23.2	19.6	13.6		
		080	168	93.4	88.3	75.3	67.0	61.0	53.7	43.4	35.4	20.6		
		110	377	265	250	213	189	171	149	117	89	32		
		140	877	499	470	397	349	312	261	174				
	330	180	1800	1050	990	820	710	620	480	200				
		250	4990	2720	2530	2080	1740	1430	940					
		350	18000	6180	5750	4740	3990	3330	2280					
		450	24000	11600	10700	8700	7100	5700	3200					
	360	063	69.4	50.1	47.4	40.9	36.5	33.3	29.6	24.6	21.1	15.6		
		080	168	97.0	91.8	79.1	70.5	64.3	56.8	46.6	38.9	25.7		
		110	377	276	261	225	200	182	159	127	102	52		
		140	877	522	492	422	372	335	286	205	129			
	390	180	1800	1110	1040	880	770	680	550	300				
		250	4990	2860	2670	2240	1910	1620	1180					
		350	18000	6520	6100	5130	4390	3760	2820					
		450	25700	15300	14300	12000	10200	8600	6200					
	420	063	69.4	51.5	48.7	42.5	37.9	34.6	30.8	25.8	22.3	17.1		
		080	168	99.9	94.5	82.2	73.3	67.0	59.3	49.1	41.7	29.5		
		110	415	349	344	300	267	243	215	177	148	98		
		140	877	541	510	442	391	353	305	229	160			
	480	180	2560	1440	1350	1170	1030	920	770	530	280			
		250	4990	2980	2790	2380	2050	1770	1370	560				
		350	23500	11100	10500	9000	7900	7000	5800	3600				
		450	25700	16000	15000	12800	11000	9500	7300					
	540	063	94.1	70.5	66.7	58.6	52.4	47.9	42.7	36.0	31.6	25.3		
		080	168	102	97	85	76	69	61	51	44	32		
		110	415	358	354	310	277	253	224	185	157	111		
		140	1110	728	688	603	535	486	425	337	264	120		
	600	180	2560	1480	1400	1220	1080	970	830	600	370			
		250	4990	3070	2880	2490	2160	1900	1520	790				
		350	23500	11500	10800	9400	8300	7400	6300	4200				
		450	25700	16500	15500	13400	11600	10200	8100					

Output torque table

Index series

●RGIT (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	120	063	18.0	12.2	11.4	10.8	10.2	9.6	8.6	4.8				
			080	35.1	22.6	21.0	19.6	18.2	16.7	13.7	6.0				
			110	163	88.3	77.5	63.0	51.8	41.6	24.7					
	Standard	150	063	18.0	13.6	13.1	12.5	11.9	11.5	10.6	7.5	4.4			
			080	35.1	25.5	24.4	23.1	21.9	20.7	18.6	13.3	5.7			
			110	229	114	103	86	74	64	49	19				
			140	329	224	212	185	153	123	74					
			180	1150	549	481	371	276	181						
			250	2400	1250	1050	710	380							
			350	7180	3190	2720	1960	1240							
			450	18600	5280	4310	2730								
	Wide angle	180	063	27.6	21.7	21.3	20.4	19.8	19.2	18.4	16.6	14.0			
			080	119	78.7	73.1	62.1	55.1	49.9	43.3	33.5	24.9			
			110	256	194	190	172	152	137	116	83	52			
			140	484	322	296	247	211	182	137					
			180	1150	607	550	442	357	277						
			250	3410	1730	1540	1190	880	580						
			350	7180	3570	3190	2470	1850	1230						
			450	18600	5930	5160	3750								
	Table	210	063	27.6	22.9	22.8	21.9	21.3	20.7	19.9	18.4	16.1			
			080	119	83.2	78.4	66.7	59.3	53.9	47.3	37.8	30.1			
			110	256	206	205	186	165	149	129	99	71			
			140	531	418	410	345	302	268	220	135				
			180	1150	651	604	496	415	343						
			250	3410	1860	1700	1360	1080	820						
			350	10100	5410	5010	4090	3380	2750						
			450	18600	6440	5820	4480								
	Flat	240	063	27.6	23.8	23.1	22.4	21.9	21.1	20.1	19.7	17.6	12.4		
			080	119	86.5	81.8	70.3	62.6	57.1	50.3	41.0	33.8	20.9		
			110	256	215	215	197	175	159	139	110	85	37		
			140	531	438	431	368	324	290	245	169	93			
			180	1450	896	840	709	611	532	414	182				
			250	4680	2420	2250	1870	1570	1310	890					
			350	10100	5730	5350	4460	3780	3200	2290					
			450	24300	11200	10400	8600	7100	5800	3700					
	Torque table	270	063	69.4	52.4	49.6	43.2	38.5	35.2	31.3	26.2	22.7	17.3		
			080	168	102	96	84	75	68	60	50	42	30		
			110	256	222	222	206	184	167	147	118	95	53		
			140	877	553	522	451	399	361	311	233	162			
			180	1450	933	876	751	654	577	467	264				
			250	4680	2510	2350	1990	1700	1450	1080	290				
			350	10100	5990	5610	4770	4100	3550	2720	1050				
			450	24300	11700	10900	9200	7800	6600	4700					
	Option	300	063	69.4	53.5	50.6	44.5	39.7	36.3	32.3	27.2	23.7	18.5		
			080	168	104	98	86	77	70	62	52	45	33		
			110	377	298	282	247	220	201	177	146	122	81		
			140	877	568	536	469	416	377	328	253	189			
			180	1800	1220	1150	1000	880	790	670	460	250			
			250	4990	3140	2950	2550	2210	1940	1560	820				
			350	18000	7220	6780	5870	5110	4510	3660	2070				
			450	24000	13600	12700	11000	9400	8200	6300	2600				
	Parallel cam unit	330	063	69.4	54.4	51.5	45.5	40.7	37.3	33.2	28.0	24.5	19.5		
			080	168	106	100	89	79	72	64	54	47	36		
			110	377	304	287	254	227	207	183	152	129	90		
			140	877	579	548	483	430	390	341	270	210			

●RGIT (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											
6	330	180	1800	1250	1180	1040	920	820	700	510	320		Roller gear cam unit	Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table		
		250	4990	3220	3020	2640	2310	2050	1680	1010														
		350	18000	7410	6970	6100	5350	4760	3940	2490														
		450	24000	14000	13100	11400	9900	8700	7000	3600														
8	90	063	69.4	38.2	33.8	28.5	25.0	22.4	18.8	12.6	6.3			Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table		
		080	119	64.1	56.5	47.3	40.9	35.8	28.2	13.6														
		063	94.1	59.0	53.5	45.5	40.4	36.7	32.1	25.5	20.0													
		080	190	133	127	116	103	93	81	63	48													
	120	110	415	291	276	233	205	183	154	104	54			Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table		
		140	877	449	403	333	282	238	170															
		180	2560	1150	1020	830	670	530	290															
		250	4990	2420	2080	1560	1090	610																
	150	350	23500	8950	7890	6280	4970	3720						Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table		
		450	25700	12800	11000	8200	5600																	
		063	132	73.6	68.2	58.1	51.8	47.3	41.8	34.4	28.9													
		080	190	147	144	132	117	107	94	76	63													
	8	180	110	687	393	363	309	274	248	215	166	123			Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table	
			140	1110	651	600	505	441	391	322	196													
			180	3510	1610	1480	1230	1060	910	700	260													
			250	7170	3790	3440	2800	2300	1850	1110														
		210	350	23300	11300	10300	8500	7200	6100	4200					Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table	
			450	44000	16200	14600	11700	9300																
			063	132	77.9	73.4	62.6	55.8	51.0	45.3	37.8	32.5		24.2										
			080	279	206	194	165	147	135	119	99	85		61										
		8	240	110	687	419	395	336	299	272	239	191		153	81	Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table
				140	1110	698	655	555	489	439	373	264												
				180	3510	1750	1630	1370	1200	1060	860	500												
				250	7170	4100	3810	3160	2690	2280	1660													
			270	350	24900	15300	14300	12000	10400	9200	7300				Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table	
				450	44000	17600	16300	13400	11200															
				063	132	80.8	76.5	65.9	58.8	53.8	47.9	40.2	35.0	27.3										
				080	279	215	203	175	156	143	127	106	92	70										
8			300	110	687	438	414	357	318	290	256	209	174	112	Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table	
				140	1110	731	690	592	524	474	409	309	219											
				180	3510	1850	1740	1490	1310	1170	980	670	350											
				250	7170	4320	4060	3430	2960	2580	2030	950												
			330	350	24900	16200	15200	13000	11400	10100	8400	5400			Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table	
				450	44000	18600	17400	14600	12500	10700														
				063	132	82.9	78.5	68.5	61.2	56.0	49.9	42.1	36.9	29.5										
				080	279	222	210	183	163	149	133	112	98	77										
			8	360	110	687	452	428	373	332	303	269	222	189	133	Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table
					140	1110	756	714	621	551	500	436	342	262										
					180	3510	1920	1810	1570	1390	1250	1070	780	510										
					250	7170	4490	4220	3630	3170	2810	2290	1360											
	390			350	24900	16800	15900	13700	12100	10900	9200	6500			Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table	
				450	44000	19400	18200	15600	13500	11800														
				063	132	84.5	80.0	70.5	63.0	57.7	51.4	43.5	38.3	31.1										
				080	279	226	214	189	169	154	138	116	102	82										
	8			420	110	687	462	437	385	344	314	279	233	200	149	Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table
					140	1110	774	732	644	572	521	457	366	292										
					180	3510	1980	1870	1640	1450	1310	1140	870	630										
					250	7170	4620	4350	3790	3330	2970	2490	1650	800										
		450		350	24900	17300	16300	14300	12700	11400	9800	7300	5000		Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table	
				450	44000	20000	18800	16300	14200	12600														
				063	132																			
				080	279																			

Output torque table

Index series

●RGIT (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	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table	Option	8	300	063	132	85.7	81.1	71.8	64.5	59.1	52.7	44.7	39.5	32.4
												080	279	230	218	193	173	159	141	120	106	86
												110	687	470	445	393	353	323	287	241	209	160
												140	1110	788	746	658	589	537	473	384	316	191
												180	3510	2020	1910	1690	1510	1370	1190	930	710	270
												250	7170	4720	4450	3900	3460	3110	2640	1870	1120	
											330	350	24900	17700	16700	14700	13100	11900	10300	7900	5900	
												450	44000	20400	19200	16800	14800	13200	11100			
												063	132	86.6	81.9	72.5	65.7	60.2	53.7	45.6	40.4	33.4
												080	279	233	221	195	177	162	145	123	108	89
												110	687	476	450	399	361	330	294	247	216	169
												140	1110	799	756	668	604	551	486	399	334	220
90	180	3510	2060	1950	1720	1550	1410	1230	980		780	390										
	250	7170	4790	4520	3970	3560	3210	2760	2040		1370											
	350	24900	18000	17000	15000	13500	12300	10700	8400		6500											
	450	44000	20800	19600	17200	15300	13800	11600														
	063	27.6	19.1	17.8	16.9	16.1	15.3	13.9	10.6		5.8											
	080	168	78.4	69.4	58.4	51.0	45.2	37.0	22.2		6.4											
120	110	377	219	193	161	139	120	92	36													
	063	69.4	46.5	42.5	36.1	32.0	29.1	25.4	19.9		15.3											
	080	168	89.8	81.8	69.4	61.3	55.3	47.6	35.3		24.0											
	110	415	308	293	248	219	196	167	118		71											
	140	877	476	430	357	306	262	196														
	180	2560	1230	1110	900	750	610	380														
	250	4990	2580	2250	1730	1280	820															
	350	18000	5820	5110	3970	3000	2040															
150	450	25700	13700	11900	9100	6600	4100															
	063	94.1	67.0	62.4	53.2	47.4	43.2	38.3	31.5	26.6	18.2											
	080	190	154	151	138	123	112	99	81	67	43											
	110	415	337	327	278	247	223	194	150	112												
	140	1110	682	632	534	468	417	348	227													
	180	2560	1380	1270	1060	910	780	590														
	250	7170	3990	3650	3000	2500	2060	1350														
	350	23500	10700	9800	8100	6900	5800	4200														
180	450	25700	15300	13900	11200	9000	7000															
	063	132	80.2	75.9	64.8	57.8	52.9	47.0	39.3	34.0	25.9											
	080	190	163	162	149	133	121	107	89	76	55											
	110	687	434	410	350	311	284	249	202	165	96											
	140	1110	724	683	580	512	461	395	288	188												
	180	3510	1820	1720	1450	1270	1130	930	590	230												
	250	7170	4270	4000	3330	2860	2460	1860	630													
	350	23300	12800	12000	10100	8800	7700	6100	3200													
210	450	25700	16400	15300	12600	10600	8800															
	063	132	82.7	78.3	67.8	60.6	55.4	49.3	41.5	36.3	28.6											
	080	190	169	169	157	140	128	114	95	82	63											
	110	687	450	426	369	329	300	265	218	183	124											
	140	1110	753	711	614	544	493	428	329	243												
	180	3510	1910	1800	1550	1370	1230	1040	740	440												
	250	7170	4470	4200	3580	3110	2730	2190	1170													
	350	23300	13400	12600	10800	9500	8400	7000	4400													
240	450	44000	19300	18100	15300	13200	11400															
	063	132	84.5	80.0	70.1	62.6	57.3	51.1	43.2	38.0	30.6											
	080	279	226	214	188	168	154	137	115	101	81											
	110	687	462	437	383	342	312	277	230	197	143											
		140	1110	774	732	640	568	516	452	358	281											

Discontinue

Index series

●RGIT (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								
9	240	180	3510	1980	1870	1630	1440	1300	1120	840	580		Roller gear cam unit	Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table	Option
		250	7170	4620	4340	3770	3300	2930	2430	1540													
		350	24900	17300	16300	14200	12600	11300	9700	7000													
	450	44000	20000	18800	16200	14100	12400																
	270	063	132	85.8	81.2	71.9	64.3	58.9	52.5	44.5	39.3	32.1											
		080	279	231	218	193	173	158	141	119	105	85											
		110	687	471	445	394	352	322	286	239	207	157											
		140	1110	790	747	659	588	535	471	380	309	177											
		180	3510	2030	1920	1690	1500	1360	1180	920	690	220											
		250	7170	4720	4450	3910	3440	3080	2610	1800	1000												
		350	24900	17700	16700	14700	13100	11800	10200	7800	5500												
		450	44000	20500	19300	16800	14800	13100	10800														
	300	063	132	86.7	82.1	72.7	65.7	60.1	53.7	45.5	40.3	33.2											
		080	279	234	221	196	177	162	144	122	108	89											
		110	687	477	452	400	361	330	293	246	215	167											
		140	1110	802	758	670	603	550	485	397	330	211											
		180	3510	2070	1950	1720	1550	1410	1230	970	760	350											
		250	7170	4810	4530	3980	3560	3200	2740	2000	1290												
		350	24900	18000	17000	15000	13500	12200	10600	8300	6300												
		450	44000	20800	19600	17200	15300	13700	11500														
	330	063	132	87.5	82.8	73.3	66.8	61.2	54.6	46.4	41.1	34.2											
		080	279	236	223	198	180	165	147	125	111	91											
		110	687	482	456	404	368	336	300	252	221	175											
		140	1110	811	767	678	616	562	497	410	346	237											
		180	3510	2100	1980	1750	1590	1440	1270	1020	820	450											
		250	7170	4870	4600	4050	3650	3300	2850	2150	1510												
		350	24900	18300	17300	15200	13800	12600	11000	8700	6900												
		450	44000	21100	19900	17500	15700	14200	12100														
	10	90	063	27.6	20.1	18.8	17.9	17.2	16.4	15.1	12.0	7.5											
080			119	72.6	64.5	54.3	47.5	42.1	34.7	21.2													
110			256	177	166	148	128	111	85	35													
140			531	356	324	261	212	166															
180			1450	709	598	445	305																
250		4680	1910	1540	1010	470																	
120		063	69.4	48.3	44.3	37.7	33.5	30.4	26.6	21.2	16.7												
		080	168	93.4	85.5	72.6	64.3	58.1	50.3	38.1	27.2												
		110	377	265	242	205	180	162	137	95	54												
		140	877	498	453	378	325	282	217														
		180	1800	1050	940	770	630	510	310														
		250	4990	2710	2390	1870	1430	990															
		350	18000	6150	5450	4300	3350	2420															
		450	24000	11500	10100	7700	5500	3400															
		150	063	94.1	68.9	64.5	55.0	49.0	44.8	39.7	32.8	27.9											
080			168	99.8	93.4	79.5	70.7	64.3	56.4	45.0	35.9												
110			415	348	340	289	257	233	203	159	122												
140			1110	707	659	557	490	439	369	252	135												
180			2560	1430	1330	1110	960	840	650	290													
250			4990	2970	2720	2210	1820	1470	880														
350			18000	6780	6230	5100	4230	3470	2210														
450			25700	15900	14600	11900	9700	7800	4500														
180		063	94.1	71.7	67.9	58.3	52.0	47.5	42.2	35.4	30.6	23.3											
		080	190	167	167	153	137	125	111	93	80	59											
		110	415	365	361	309	275	251	220	178	145	85											
		140	1110	744	703	600	530	479	412	308	213												
		180	2560	1520	1430	1210	1060	940	780	480													

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

●RGIT (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	250	7170	4410	4130	3470	2990	2600	2020	860				
			350	23500	11800	11100	9400	8100	7200	5700	3100				
			450	25700	17000	15800	13200	11200	9500	6800					
		210	063	94.1	73.6	69.7	60.7	54.2	49.6	44.1	37.1	32.5	25.6		
			080	190	172	172	161	143	131	117	98	85	66		
			110	415	377	372	324	288	263	233	191	161	108		
	Standard	240	140	1110	770	728	631	560	508	442	345	263			
			180	3510	1970	1850	1600	1420	1270	1090	790	510			
			250	7170	4590	4310	3700	3230	2850	2320	1350				
		270	350	23300	13800	13000	11200	9800	8800	7300	4900				
			450	25700	17700	16600	14100	12200	10600	8200					
			063	94.1	74.9	70.9	62.5	55.8	51.1	45.5	38.5	33.8	27.3		
Parallel cam unit	Wide angle	300	080	190	176	176	166	148	136	121	102	89	71		
			110	415	385	380	335	299	273	242	201	172	124		
			140	1110	788	745	655	582	530	465	372	297			
		330	180	3510	2020	1910	1680	1480	1340	1160	890	640			
			250	7170	4710	4440	3870	3400	3030	2540	1680	810			
			350	23300	14200	13400	11700	10300	9300	7900	5700	3600			
	Table	360	450	44000	20400	19200	16700	14500	12800	10500					
			063	94.1	75.9	71.8	63.6	57.1	52.3	46.7	39.5	34.9	28.5		
			080	190	178	178	169	152	139	124	105	92	75		
		390	110	415	391	386	342	307	280	249	208	180	136		
			140	1110	802	758	669	600	546	482	392	322	197		
			180	3510	2070	1950	1720	1540	1400	1220	960	730	290		
Option	Flat	420	250	7170	4810	4530	3980	3530	3170	2700	1920	1170			
			350	23300	14400	13600	12000	10700	9700	8300	6300	4400			
			450	44000	20800	19600	17200	15200	13500	11300					
		450	063	94.1	76.6	72.5	64.2	58.2	53.3	47.6	40.4	35.7	29.5		
			080	190	180	180	171	155	142	127	108	95	78		
			110	687	483	457	404	367	335	298	251	219	173		
	Torque table	480	140	1110	811	768	678	614	560	495	407	341	228		
			180	3510	2100	1980	1750	1580	1440	1260	1010	800	410		
			250	7170	4880	4600	4050	3640	3280	2820	2100	1430			
		510	350	24900	18300	17300	15300	13800	12500	10900	8600	6700			
			450	44000	21100	19900	17500	15700	14000	11900					
			063	94.1	77.1	73.0	64.6	59.1	54.2	48.4	41.1	36.4	30.2		
Option	Standard	540	080	190	182	182	173	158	145	129	110	97	80		
			110	687	487	461	408	373	341	304	257	225	180		
			140	1110	819	775	685	626	571	506	419	356	251		
		570	180	3510	2120	2010	1770	1620	1470	1300	1050	860	510		
			250	7170	4930	4650	4100	3720	3370	2920	2230	1630			
			350	24900	18500	17500	15400	14100	12800	11200	9000	7200			
	Torque table	600	450	44000	21400	20200	17700	16100	14500	12400					
			063	27.6	21.7	20.6	19.6	18.9	18.2	16.9	14.2	10.1			
			080	119	78.6	70.6	59.7	52.4	46.9	39.4	26.6	13.7			
		630	110	256	193	183	165	143	126	101	54				
			140	531	390	361	295	246	201	129					
			180	1150	602	513	384	265							
Option	12	90	250	3410	1710	1400	940	490							
			350	10100	4960	4190	3060	2000							
			450	18600	5820	4520									
		120	063	69.4	51.0	47.2	40.1	35.7	32.5	28.6	23.1	18.8	10.7		
			080	119	86.5	79.9	67.9	60.2	54.5	47.3	36.4	26.9			
			110	256	215	209	190	168	151	128	91	56			
	150	120	140	531	437	419	351	303	264	207	96				

●RGIT (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		
12	120	180	1450	894	811	661	547	444	275					
		250	4680	2410	2150	1690	1310	940						
		350	10100	5710	5130	4090	3240	2430						
		450	24300	11200	9900	7700	5800	3900						
	150	063	69.4	53.5	50.5	43.1	38.4	35.0	31.0	25.6	21.7	15.2		
		080	119	91.0	85.9	73.1	65.0	59.2	52.0	41.8	33.8	18.7		
		110	377	298	281	239	212	192	168	131	101	39		
		140	877	567	533	451	396	354	298	202	106			
		180	1450	959	896	745	638	548	412					
		250	4680	2580	2390	1950	1610	1310	810					
		350	18000	7200	6700	5530	4680	3930	2770					
	180	450	24000	13600	12500	10200	8400	6800	4100					
		063	69.4	55.1	52.1	45.1	40.2	36.8	32.7	27.3	23.6	17.8		
		080	168	107	101	88	78	71	63	52	44	30		
		110	377	308	291	251	224	204	179	145	118	68		
		140	877	589	556	478	423	381	328	244	166			
		180	1450	1000	940	800	700	610	490	270				
		250	4680	2690	2510	2110	1800	1530	1120					
	210	350	18000	7550	7080	6000	5180	4500	3500					
		450	24000	14200	13300	11200	9500	8000	5800					
		063	69.4	56.1	53.0	46.6	41.6	38.0	33.8	28.5	24.8	19.5		
		080	168	109	103	91	81	74	66	55	47	35		
		110	415	388	383	336	299	273	242	201	171	121		
		140	877	603	570	498	442	400	348	271	204			
		180	1800	1310	1240	1080	950	850	720	500	290			
	240	250	4990	3360	3160	2730	2370	2090	1680	910				
		350	18000	7790	7320	6330	5520	4880	3980	2330				
		450	25700	18300	17200	14900	12900	11300	9100	4800				
		063	69.4	56.7	53.7	47.5	42.6	39.0	34.7	29.3	25.7	20.7		
		080	168	111	105	93	83	76	67	57	49	38		
		110	415	394	389	344	308	282	250	209	180	135		
		140	877	613	579	511	456	415	363	290	230			
	270	180	1800	1340	1260	1110	980	890	760	560	380			
		250	4990	3420	3220	2820	2480	2210	1830	1160	470			
		350	18000	7950	7490	6560	5780	5160	4320	2860	1390			
		450	25700	18700	17800	15400	13500	12000	10000	6200	2300			
		063	69.4	57.2	54.1	47.9	43.4	39.8	35.5	30.0	26.5	21.5		
		080	168	112	106	93	85	77	69	58	51	40		
		110	415	398	393	348	315	288	256	215	187	145		
	300	140	877	620	586	517	467	426	375	304	249			
		180	2560	1700	1610	1420	1280	1160	1010	795	612			
		250	4990	3470	3270	2870	2560	2300	1940	1340	750			
		350	18000	8070	7610	6680	5980	5370	4570	3250	1980			
		450	25700	19000	17900	15700	14000	12600	10600	7200	3900			
		063	69.4	57.6	54.5	48.2	44.1	40.4	36.1	30.6	27.0	22.2		
		080	168	112	106	94	86	79	70	59	52	42		
	330	110	415	401	396	351	321	294	261	220	192	152		
		140	1110	825	780	690	630	575	509	422	358	252		
180		2560	1720	1630	1440	1310	1190	1040	830	670	340			
250		7170	4970	4690	4130	3750	3390	2940	2250	1640				
350		23500	13400	12600	11100	10100	9200	8000	6300	4800				
450		25700	19200	18100	15900	14400	13000	11100	8000	5100				
063		69.4	57.8	54.7	48.5	44.4	41.0	36.6	31.0	27.5	22.8			
330	080	168	113	107	95	87	80	71	60	53	43			
	110	415	403	399	353	323	298	266	224	197	158			

Output torque table

Index series

●RGIT (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	
		12	330	140	1110	830	786	695	636	585	519	432	370	272	
				180	2560	1740	1640	1450	1320	1210	1070	870	710	420	
				250	7170	5010	4730	4170	3800	3470	3020	2360	1810		
				350	23500	13500	12700	11200	10200	9400	8200	6500	5200		
				450	25700	19400	18300	16100	14600	13300	11500	8600	6000		
Small	Standard		90	063	18.0	15.5	14.9	14.2	13.6	13.1	12.2	8.6	5.1		
				080	35.1	29.6	28.3	26.8	25.5	24.1	21.7	15.8	7.2		
				110	229	133	120	100	86	75	58	24			
				140	329	267	252	220	182	148	92				
				180	696	545	495	379	277	174					
			120	250	2400	1510	1260	880	500						
				350	7180	3940	3370	2470	1630						
				450	10400	5580	4510	2790							
				063	18.0	16.5	16.2	15.6	15.1	14.6	13.9	10.9	8.3	3.0	
				080	88.3	68.0	63.5	53.9	47.8	43.2	37.5	28.9	21.3	5.4	
Wide angle	Table		150	110	229	142	132	112	98	88	73	48	23		
				140	484	380	352	295	255	223	176	86			
				180	1150	731	670	548	455	371	235				
				250	3410	2080	1880	1490	1170	860	320				
				350	7180	4400	3990	3180	2520	1890	780				
Small multi-index	Flat		180	450	18600	7340	6540	4980	3590						
				063	18.0	17.0	16.9	16.4	15.9	15.5	14.9	12.1	9.9	5.9	
				080	88.3	70.3	66.5	57.1	50.7	46.2	40.6	32.6	26.2	14.3	
				110	229	147	139	119	105	95	82	61	41		
				140	531	486	478	408	359	323	273	192	112		
	Torque table		210	180	1150	768	719	603	517	444	335				
				250	3410	2180	2030	1670	1390	1140	730				
				350	10100	6530	6100	5100	4340	3700	2710				
				450	18600	7800	7170	5790	4630						
				063	18.0	17.3	17.2	17.0	16.5	16.1	15.6	12.9	10.9	7.5	
Standard	Torque table		240	080	88.3	71.7	67.8	59.2	52.8	48.1	42.5	34.9	29.2	19.3	
				110	256	242	242	226	201	184	162	132	108	67	
				140	531	498	491	427	378	342	295	223	158		
				180	1450	1040	980	850	740	660	540	340			
				250	3410	2250	2100	1790	1530	1310	970				
			270	350	10100	6750	6330	5440	4710	4120	3270				
				450	24300	13300	12400	10600	9100	7800	5900				
				063	18.0	17.4	17.4	17.4	16.9	16.6	16.0	13.4	11.5	8.5	
				080	88.3	72.6	68.7	60.7	54.3	49.6	43.9	36.5	31.1	22.4	
				110	256	246	245	233	208	190	168	138	117	81	
Option			270	140	531	506	500	441	392	356	310	244	188		
				180	1450	1060	1000	880	770	690	590	410	240		
				250	4680	2840	2670	2330	2030	1790	1460	830			
				350	10100	6890	6480	5670	4970	4410	3640	2250			
				450	24300	13500	12700	11100	9600	8400	6700	3500			
			270	063	18.0	17.6	17.5	17.5	17.3	16.9	16.4	13.8	12.0	9.2	
				080	119	98.3	93.0	82.3	74.5	68.2	60.6	51.0	44.4	34.7	
				110	256	248	248	235	213	194	172	143	123	90	
				140	531	512	505	446	402	366	321	258	208	112	
				180	1450	1070	1010	890	800	720	620	460	310		
			270	250	4680	2880	2710	2370	2110	1880	1570	1020	460		
				350	10100	6990	6590	5780	5150	4610	3890	2670	1450		
				450	24300	13700	12900	11300	10000	8900	7300	4500	1600		
				063	18.0	17.6	17.6	17.6	17.2	16.7	14.1	12.3		9.7	
				080	119	98.9	93.6	82.8	75.8	69.4	61.8	52.1	45.7	36.5	

Discontinue

Index series

●RGIT (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												
15	270	110	256	250	250	237	216	198	176	147	128	97	Roller gear cam unit	Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table	Option		
		140	531	516	509	450	411	374	330	269	222	138													
		180	1450	1080	1020	900	820	740	640	490	360														
		250	4680	2900	2740	2400	2170	1940	1650	1160	680														
		350	10100	7060	6660	5850	5300	4770	4080	2970	1910														
		450	24300	13900	13100	11500	10300	9200	7800	5300	2700														
	300	063	18.0	17.7	17.7	17.7	17.7	17.4	16.9	14.4	12.6	10.1													
		080	119	99.3	94.0	83.2	76.2	70.4	62.7	53.0	46.7	37.8													
		110	256	251	251	238	218	201	179	150	131	103													
		140	531	518	512	453	414	381	337	227	233	157													
		180	1450	1090	1030	910	830	760	660	520	400	170													
		250	4680	2920	2750	2420	2200	2000	1710	1260	830														
	330	350	10100	7110	6710	5910	5370	4890	4220	3190	2250														
		450	24300	14000	13200	11600	10500	9500	8100	5800	3600														
		063	18.0	17.7	17.7	17.7	17.7	17.6	17.1	14.6	12.8	10.4													
		080	119	99.6	94.3	83.5	76.5	71.2	63.5	53.8	47.5	38.9													
		110	256	252	252	239	219	204	181	153	134	107													
		140	531	521	514	455	416	386	342	284	241	172													
	16	90	180	1450	1090	1030	910	830	770	680	540	430												220	
			250	4680	2930	2770	2440	2210	2040	1760	1340	950													
			350	10100	7150	6750	5950	5420	4990	4340	3360	2510													
			450	24300	14100	13300	11700	10600	9700	8400	6200	4200													
			063	18.0	15.8	15.2	14.5	13.9	13.4	12.5	9.0	5.6													
			080	35.1	30.2	28.9	27.4	26.1	24.8	22.5	16.8	8.6													
120		110	163	118	107	89	77	66	51	20															
		140	329	273	258	227	189	156	101																
		180	696	558	511	395	295	195																	
		250	1950	1210	1000	670	330																		
		350	7180	4050	3500	2600	1780																		
		450	10400	5740	4710	3030																			
150		063	18.0	16.6	16.4	15.8	15.3	14.8	14.1	11.2	8.6	3.5													
		080	35.1	32.1	31.6	30.3	29.1	28.1	26.4	22.8	17.3														
		110	229	144	134	114	100	89	75	51	26														
		140	329	294	288	258	223	195	153	70															
		180	1150	743	684	561	469	387	254																
		250	2400	1680	1520	1190	920	640																	
180		350	7180	4480	4090	3280	2620	2010																	
		450	18600	7480	6710	5160	3810	2440																	
		063	18.0	17.1	17.1	16.6	16.1	15.7	15.1	12.3	10.1	6.2													
		080	88.3	70.9	67.0	57.7	51.3	46.7	41.1	33.2	26.9	15.3													
		110	229	149	140	120	106	96	83	62	43														
		140	484	400	376	321	282	252	212	142	72														
Option	Parallel cam unit	180	1150	777	727	613	527	456	349																
		250	3410	2210	2050	1700	1430	1180	790																
		350	7180	4720	4400	3660	3080	2570	1750																
		450	18600	7900	7280	5930	4780	3720																	
		063	18.0	17.3	17.3	17.1	16.6	16.2	15.7	13.0	11.1	7.7													
		080	88.3	72.1	68.2	59.8	53.2	48.6	43.0	35.3	29.7	20.0													
	Torque table	110	229	151	143	125	111	101	88	69	53	22													
		140	484	408	385	336	297	267	229	169	113														
		180	1150	797	749	647	564	498	405	231															
		250	3410	2260	2120	1810	1550	1340	1010	330															
		350	10100	6810	6400	5520	4790	4210	3370	1780															
		450	18600	8160	7590	6410	5370	4460																	

Product specifications

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

Output torque table

Index series

●RGIT (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	16	210	063	18.0	17.5	17.5	17.5	17.1	16.7	16.1	13.5	11.7	8.7	
				080	88.3	72.9	69.0	61.0	54.7	49.9	44.3	36.8	31.5	23.0	
				110	229	153	145	128	114	104	91	74	60	33	
				140	484	414	391	344	307	278	241	186	138	39	
				180	1150	810	763	668	590	526	441	293			
				250	3410	2300	2160	1880	1640	1440	1150	590			
				350	10100	6940	6530	5710	5030	4480	3720	2370			
				450	18600	8320	7780	6710	5760	4940					
	Standard	240	063	18.0	17.6	17.6	17.6	17.4	17.0	16.5	13.9	12.1	9.4		
			080	88.3	73.4	69.5	61.5	55.8	51.0	45.3	38.0	32.9	25.1		
			110	229	154	146	129	117	106	94	77	64	41		
			140	484	418	395	348	314	286	250	198	156	72		
			180	1450	1080	1020	900	810	730	630	470	330			
			250	3410	2330	2190	1910	1700	1510	1240	770				
350			10100	7030	6630	5810	5210	4670	3960	2760					
450			18600	8440	7910	6870	6040	5280	4160						
Wide angle	270	063	18.0	17.7	17.7	17.7	17.6	17.3	16.8	14.2	12.4	9.9			
		080	88.3	73.8	69.8	61.8	56.6	51.9	46.2	38.8	33.9	26.5			
		110	256	251	250	237	217	199	177	148	129	99			
		140	531	517	511	452	413	377	333	272	226	144			
		180	1450	1090	1030	900	820	750	650	500	380	120			
		250	3410	2340	2210	1930	1750	1560	1310	890	460				
		350	10100	7090	6690	5880	5340	4820	4130	3040	2030				
		450	24300	14000	13100	11500	10400	9300	7900	5400	3000				
Table	300	063	18.0	17.7	17.7	17.7	17.5	17.0	16.4	14.4	12.7	10.2			
		080	88.3	74.1	70.1	62.0	56.8	52.6	46.9	39.5	34.6	27.7			
		110	256	252	251	239	219	202	180	151	132	104			
		140	531	520	514	454	415	383	339	280	236	162			
		180	1450	1090	1030	910	830	760	670	530	410	190			
		250	3410	2360	2220	1950	1770	1610	1370	980	600				
		350	10100	7140	6740	5930	5390	4940	4270	3250	2340				
		450	24300	14000	13200	11600	10500	9600	8200	6000	3800				
Small multi-index	330	063	18.0	17.8	17.8	17.8	17.7	17.7	17.2	14.6	12.9	10.5			
		080	88.3	74.3	70.3	62.2	57.0	53.2	47.4	40.1	35.3	28.5			
		110	256	252	252	239	219	205	182	154	135	107			
		140	531	522	516	456	417	389	345	286	244	176			
		180	1450	1100	1040	920	840	780	680	550	440	240			
		250	3410	2370	2230	1960	1780	1640	1410	1050	710				
		350	10100	7170	6780	5970	5440	5030	4380	3410	2590				
		450	24300	14100	13300	11700	10600	9800	8500	6300	4400				
Flat	90	080	35.1	31.0	29.9	28.4	27.2	25.9	23.7	18.6	11.0				
		110	163	122	111	93	80	70	55	26					
		140	296	177	158	127	101	77							
		180	636	474	416	319	234	147							
		250	1950	1260	1060	740	430								
		350	6770	3490	3020	2240	1530								
		450	10400	6020	5050	3420	1800								
		Torque table	120	080	35.1	32.6	32.4	31.0	29.9	28.9	27.3	23.9	18.8	5.5	
	110			163	128	120	102	89	80	67	46	24			
	140			329	300	296	267	231	203	163	85				
	180			696	624	604	495	414	341	224					
	250			1950	1350	1230	950	720	480						
	350			7180	4610	4250	3430	2800	2210						
	Standard	18	080	35.1	31.0	29.9	28.4	27.2	25.9	23.7	18.6	11.0			
110			163	122	111	93	80	70	55	26					
140			296	177	158	127	101	77							
180			636	474	416	319	234	147							
250			1950	1260	1060	740	430								
350			6770	3490	3020	2240	1530								
450			10400	6020	5050	3420	1800								
Torque table			120	080	35.1	32.6	32.4	31.0	29.9	28.9	27.3	23.9	18.8	5.5	
		110		163	128	120	102	89	80	67	46	24			
		140		329	300	296	267	231	203	163	85				
		180		696	624	604	495	414	341	224					
		250		1950	1350	1230	950	720	480						
		350		7180	4610	4250	3430	2800	2210						
Parallel cam unit		18	080	35.1	31.0	29.9	28.4	27.2	25.9	23.7	18.6	11.0			
	110		163	122	111	93	80	70	55	26					
	140		296	177	158	127	101	77							
	180		636	474	416	319	234	147							
	250		1950	1260	1060	740	430								
	350		6770	3490	3020	2240	1530								
	450		10400	6020	5050	3420	1800								
	Torque table		120	080	35.1	32.6	32.4	31.0	29.9	28.9	27.3	23.9	18.8	5.5	
		110		163	128	120	102	89	80	67	46	24			
		140		329	300	296	267	231	203	163	85				
		180		696	624	604	495	414	341	224					
		250		1950	1350	1230	950	720	480						
		350		7180	4610	4250	3430	2800	2210						

●RGIT (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												
18	150	080	35.1	33.5	33.4	32.6	31.6	30.7	29.3	26.7	22.7	12.7	Roller gear cam unit	Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table	Option	
		110	163	132	124	107	95	86	74	56	39													
		140	329	310	308	283	249	223	187	125	63													
		180	696	648	634	537	461	399	305															
		250	2400	1790	1660	1380	1150	940	600															
		350	7180	4820	4500	3780	3210	2710	1940															
	450	10400	6910	6370	5210	4210	3270																	
	180	080	35.1	33.9	33.9	33.7	32.7	31.8	30.7	28.5	25.0	16.7												
		110	163	134	126	111	98	89	78	61	47	19												
		140	329	315	314	295	261	235	201	148	99													
		180	696	662	649	564	491	433	352	199														
		250	2400	1830	1710	1460	1250	1070	790															
		350	7180	4940	4630	4000	3460	3010	2360															
	450	18600	8280	7720	6590	5570	4690	3300																
	210	080	35.1	34.2	34.2	34.1	33.5	32.7	31.6	29.7	26.6	19.3												
		110	229	154	146	129	116	105	93	75	62	37												
		140	329	319	318	300	269	243	211	163	121													
		180	1150	818	771	676	601	538	455	313	174													
		250	2400	1850	1730	1510	1320	1150	910	430														
		350	7180	5020	4720	4120	3630	3210	2620	1540														
	450	18600	8420	7880	6820	5920	5120	3930																
	240	080	35.1	34.4	34.4	34.4	34.2	33.4	32.3	30.5	27.7	21.0												
		110	229	155	147	129	118	108	95	78	66	44												
		140	329	321	320	303	275	250	219	173	136	62												
180		1150	825	778	684	618	557	478	351	232														
250		2400	1860	1750	1530	1360	1210	990	580															
350		7180	5070	4780	4180	3760	3360	2810	1870															
450	18600	8510	7990	6950	6180	5430	4350	2310																
270	080	35.1	34.6	34.6	34.5	34.5	33.9	32.9	31.2	28.5	22.3													
	110	229	156	147	130	119	109	97	80	69	49													
	140	329	322	322	305	278	255	224	181	147	83													
	180	1150	830	784	690	627	571	495	377	273														
	250	2400	1880	1770	1550	1390	1250	1040	680	320														
	350	7180	5110	4820	4230	3830	3460	2950	2090	1270														
450	18600	8580	8070	7040	6320	5650	4660	2870																
300	080	35.1	34.7	34.7	34.6	34.6	34.4	33.4	31.8	29.2	23.2													
	110	229	156	148	131	120	111	99	82	71	53													
	140	329	324	323	306	280	259	229	187	155	98													
	180	1150	834	787	694	632	583	508	397	303	112													
	250	2400	1880	1780	1560	1410	1280	1090	760	440														
	350	7180	5140	4850	4260	3870	3550	3050	2260	1540														
450	18600	8620	8120	7110	6410	5830	4890	3270	1640															
330	080	35.1	34.7	34.7	34.7	34.7	34.6	33.8	32.3	29.7	24.0													
	110	229	156	148	131	120	112	100	84	73	56													
	140	329	324	324	307	281	261	232	191	161	109													
	180	1150	836	790	697	636	590	519	413	326	157													
	250	2400	1890	1780	1570	1420	1300	1120	820	540														
	350	7180	5160	4870	4290	3900	3600	3130	2390	1740														
450	18600	8660	8160	7160	6480	5940	5070	3580	2140															
20	90	080	23.0	21.0	20.3	19.2	18.3	17.3	15.5	9.2	2.3													
		110	121	93.1	85.0	70.9	61.0	52.7	40.4	15.6														
		140	296	181	163	132	107	84	45															
		180	636	488	433	337	255	173																
		250	1550	982	825	555	283																	

Output torque table

Index series

●RGIT (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	20	90	350	4970	2910	2530	1860	1230								
				450	7400	4430	3660	2340									
		120	080	23.0	21.8	21.7	20.8	20.0	19.2	18.0	13.1	8.4					
			110	121	97.1	91.4	77.2	67.6	60.2	50.1	32.1	13.6					
			140	296	191	178	148	126	108	79							
			180	636	519	481	393	325	264	164							
			250	1950	1380	1260	990	770	550								
			350	6770	3890	3590	2900	2350	1830								
			450	10400	6750	6150	4800	3650	2510								
	Standard	150	080	23.0	22.2	22.2	21.7	21.0	20.3	19.3	15.1	11.4					
			110	163	133	125	109	96	87	75	58	42					
			140	296	195	183	157	136	120	96							
			180	696	656	642	549	474	412	322							
			250	1950	1420	1310	1090	900	730	430							
Parallel cam unit	Wide angle	20		350	6770	4040	3760	3170	2680	2260	1580						
				450	10400	7020	6490	5380	4390	3490	1980						
	Table	180		080	23.0	22.5	22.4	22.3	21.7	21.1	20.2	16.3	13.1	7.1			
				110	163	134	127	112	100	91	79	63	50	23			
				140	329	317	316	299	264	239	206	154	107				
				180	696	668	656	573	501	444	364	220					
				250	1950	1440	1350	1160	980	830	590						
	Flat	210		350	7180	5000	4690	4080	3540	3100	2470	1680					
				450	10400	7180	6690	5730	4840	4070	2840						
		Torque table		080	23.0	22.6	22.6	22.5	22.2	21.6	20.8	17.1	14.2	9.1			
				110	163	135	128	113	102	93	82	66	54	33			
				140	329	320	320	302	272	247	215	168	127	46			
Option	Standard	240		180	696	675	664	582	520	465	392	268	144				
				250	1950	1460	1370	1180	1040	900	690	290					
				350	7180	5060	4760	4160	3700	3280	2710	1680					
				450	10400	7280	6810	5890	5140	4440	3380						
	Torque table			080	23.0	22.7	22.7	22.6	22.6	22.1	21.3	17.7	15.0	10.5			
				110	163	136	129	114	104	95	84	69	58	39			
				140	329	322	322	304	278	253	222	177	141	72			
				180	696	680	670	588	533	481	412	300	196				
				250	1950	1470	1380	1200	1070	950	760	420					
	Standard	270		350	7180	5110	4810	4220	3810	3410	2880	1980					
				450	10400	7350	6890	5990	5340	4690	3750						
		Torque table		080	23.0	22.8	22.8	22.7	22.7	22.4	21.7	18.2	15.6	11.5			
				110	163	137	129	114	104	97	86	71	60	43			
				140	329	324	323	306	279	258	227	184	151	91			
	Option			180	696	683	674	593	539	493	426	324	232				
				250	1950	1480	1390	1210	1090	980	810	510					
				350	7180	5140	4840	4260	3860	3510	3010	2190					
				450	10400	7390	6950	6070	5440	4890	4020	2440					
		300		080	23.0	22.8	22.8	22.8	22.7	22.7	22.0	18.5	16.0	12.2			
				110	163	137	129	115	105	98	87	72	62	46			
				140	329	325	324	307	281	261	231	190	158	104			
				180	696	686	676	596	543	502	438	341	258				
				250	1950	1480	1400	1220	1100	1010	850	570	300				
	330		350	7180	5160	4870	4280	3890	3590	3100	2340	1650					
			450	10400	7430	6990	6120	5510	5030	4210	2800						
			080	23.0	22.9	22.9	22.8	22.8	22.8	22.3	18.8	16.4	12.8				
				110	163	137	130	115	105	98	88	74	64	49			
				140	329	325	325	308	282	262	235	194	164	115			

●RGIT (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																					
20	330	180	696	687	678	598	545	506	447	354	278	129	Roller gear cam unit	Small	Standard	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table	Option											
		250	1950	1490	1400	1230	1110	1020	880	620	380																							
		350	7180	5180	4890	4310	3920	3620	3180	2460	1840																							
		450	10400	7450	7020	6160	5570	5100	4370	3070																								
	90	110	48.1	44.6	43.1	40.3	37.4	34.3	28.4	12.9																								
		140	211	164	149	121	99	79	46																									
		180	432	387	366	309	238	168																										
		250	938	835	745	512	281																											
		350	3530	2450	2140	1580	1060																											
		450	6980	3840	3220	2090																												
		120	110	48.1	46.1	45.6	43.7	41.5	39.4	35.5	26.1	12.5																						
			140	211	170	159	134	114	98	74																								
180	432		405	397	352	293	241	155																										
250	938		877	830	646	478	309																											
		350	3530	2600	2380	1910	1510	1130																										
		450	7400	4970	4500	3510	2610	1710																										
		150	110	48.1	46.8	46.5	45.7	43.9	42.2	39.3	32.7	22.9																						
			140	211	173	163	141	123	108	88	49																							
180	432		415	409	377	323	278	210	71																									
250	1550		1100	1010	850	690	550	320																										
		350	4970	3330	3110	2640	2230	1880	1320																									
		450	7400	5120	4720	3920	3170	2460																										
		180	110	121	101	96	84	76	69	60	47	37	15																					
			140	211	175	165	144	128	114	96	64																							
180	432		420	416	389	341	300	242	131																									
250	1550		1110	1030	890	750	630	440																										
		350	4970	3390	3170	2750	2390	2070	1600																									
		450	7400	5210	4840	4130	3490	2900	1940																									
		210	110	121	102	96	85	77	70	62	50	40	23																					
			140	211	176	166	146	132	118	101	74	47																						
180	432		423	420	394	354	315	262	168	72																								
250	1550		1120	1050	900	800	690	520	190																									
		350	4970	3420	3210	2800	2500	2200	1790	1010																								
		450	7400	5260	4920	4240	3710	3180	2360																									
		240	110	121	102	96	85	78	72	63	52	43	28																					
			140	211	176	167	147	133	122	105	80	57																						
180	432		425	423	398	360	326	276	194	113																								
250	1550		1120	1060	920	820	720	580	300																									
		350	4970	3440	3240	2830	2550	2290	1910	1240																								
		450	7400	5300	4970	4310	3820	3370	2650																									
		270	110	121	102	97	85	78	73	64	53	45	32																					
			140	211	177	167	147	134	124	108	85	64																						
180	432		427	425	401	363	334	287	212	141																								
250	1550		1130	1060	930	830	750	620	370																									
		350	4970	3460	3260	2860	2580	2360	2000	1400																								
		450	7400	5320	5000	4360	3900	3510	2850	1620																								
		300	110	121	102	97	86	78	73	65	54	47	34																					
			140	211	177	168	148	135	125	111	88	70																						
180	432		428	426	403	366	338	295	225	162																								
250	1550		1130	1070	930	840	760	650	430	200																								
		350	4970	3470	3270	2870	2600	2390	2070	1520	1000																							
		450	7400	5340	5030	4390	3950	3590	3000	1910																								
		330	110	121	103	97	86	79	73	66	55	48	36																					
			140	211	178	168	148	135	126	112	91	74	42																					

Output torque table

Index series

●RGIT (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	24	330	180	432	429	428	404	368	340	302	235	178	63	
				250	1550	1130	1070	940	850	770	670	470	270		
				350	4970	3470	3280	2890	2620	2420	2130	1610	1140		
				450	7400	5360	5040	4420	3990	3640	3120	2120			
	Wide angle	30	90	350	2190	1490	1290	900	530						
				450	5130	3240	2760	1840	910						
				350	2760	2030	1860	1510	1190	880	350				
				450	5130	3400	3060	2370	1710	1020					
	Table	30	120	350	2760	2060	1910	1620	1360	1110	710				
				450	5130	3480	3190	2640	2100	1580					
				350	2760	2080	1940	1670	1460	1240	910				
				450	5130	3520	3260	2760	2340	1900	1190				
Torque table	30	180	350	2760	2090	1960	1700	1510	1330	1040	490				
			450	5130	3550	3310	2830	2470	2100	1500					
			350	2760	2100	1970	1720	1540	1390	1130	660				
			450	5130	3560	3340	2880	2540	2240	1720					
Parallel cam unit	Standard	32	210	350	2760	2110	1980	1730	1560	1420	1190	780	340		
				450	5130	3580	3350	2910	2590	2320	1870	960			
				350	2760	2110	1990	1740	1570	1440	1240	860	490		
				450	5130	3590	3370	2940	2630	2380	1980	1170			
	Torque table	32	240	350	2760	2110	1990	1750	1580	1460	1280	930	600		
				450	5130	3590	3380	2950	2660	2420	2070	1340			
				350	2190	1500	1310	940	570						
				450	3630	2610	2190	1390							
	Standard	32	90	350	2190	1550	1410	1130	860	600					
				450	3630	2730	2430	1860	1270	660					
				350	2190	1570	1450	1220	1010	800	450				
				450	5130	3490	3210	2670	2150	1650	780				
Torque table	32	150	350	2190	1590	1480	1260	1090	920	640					
			450	5130	3530	3280	2780	2370	1950	1260					
			350	2190	1600	1490	1290	1140	990	750	260				
			450	5130	3560	3320	2850	2490	2140	1560	340				
Standard	32	180	350	2190	1600	1500	1310	1160	1040	830	420				
			450	5130	3570	3340	2890	2560	2270	1760	740				
			350	2190	1610	1510	1320	1180	1070	880	530				
			450	5130	3580	3360	2920	2610	2340	1910	1030				
Torque table	32	270	350	2190	1610	1510	1320	1190	1080	930	610	280			
			450	5130	3590	3370	2950	2640	2390	2020	1230	410			
			350	2190	1610	1520	1330	1200	1100	960	670	380			
			450	5130	3600	3380	2960	2670	2430	2090	1390	670			

Product specifications

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

Output torque table

Index series

●RGIT (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	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table	Option	Parallel cam unit	Torque table	Option	Parallel cam unit	Torque table	Option
16	150	063	132	73.6	69.7	60.1	53.6	49.0	43.6	36.6	31.8	24.6			
		080	190	147	147	136	121	111	98	82	71	52			
		110	415	323	319	274	244	222	196	158	129	75			
	180	063	132	77.9	73.7	64.6	57.7	52.8	47.1	39.7	34.9	28.0			
		080	279	206	195	171	152	139	124	105	92	73			
		110	687	419	397	348	310	283	251	208	177	126			
		140	1110	698	660	576	512	465	406	319	246				
		180	3510	1750	1650	1440	1270	1140	980	720	480				
		250	7170	4110	3860	3340	2920	2590	2120	1280					
		350	23300	12300	11600	10100	8800	7900	6700	4500					
		450	44000	17700	16600	14300	12400	10800	8600						
	210	063	132	80.8	76.5	67.7	60.8	55.7	49.6	42.1	37.1	30.4			
		080	279	215	203	180	162	148	132	112	98	80			
		110	687	438	415	367	329	301	267	224	193	147			
		140	1110	732	692	611	546	497	437	353	287	165			
		180	3510	1850	1750	1540	1370	1240	1080	840	620	190			
		250	7170	4330	4080	3580	3160	2840	2390	1650	920				
		350	24900	16200	15300	13500	12000	10800	9400	7100	5100				
		450	44000	18700	17600	15400	13500	12000	9900						
	240	063	132	83.0	78.5	69.5	63.2	57.9	51.6	43.8	38.8	32.1			
		080	279	222	210	186	169	154	138	117	103	85			
		110	687	452	428	379	344	314	280	235	205	161			
		140	1110	756	715	632	573	522	461	379	317	209			
		180	3510	1920	1820	1600	1450	1320	1150	920	730	360			
		250	7170	4500	4240	3730	3350	3020	2600	1910	1280				
		350	24900	16800	15900	14000	12700	11500	10000	7900	6100				
		450	44000	19400	18300	16100	14400	12900	10900						
	270	063	132	84.5	80.0	70.8	64.9	59.6	53.2	45.2	40.1	33.5			
		080	279	226	214	190	174	160	142	121	107	89			
		110	687	462	438	387	355	325	290	245	215	172			
		140	1110	775	733	648	593	542	480	398	338	241			
		180	3510	1980	1870	1650	1510	1380	1210	980	810	480			
		250	7170	4620	4360	3840	3500	3170	2750	2110	1550				
		350	24900	17300	16400	14500	13200	12000	10600	8500	6800				
		450	44000	20000	18900	16600	15000	13600	11700						
	300	063	132	85.7	81.1	71.8	65.8	61.0	54.5	46.3	41.2	34.5			
		080	279	230	218	193	177	164	146	124	110	92			
		110	687	470	445	394	361	334	298	252	222	181			
		140	1110	789	746	660	604	558	496	413	355	264			
		180	3510	2030	1920	1690	1550	1430	1260	1030	860	570			
		250	7170	4720	4460	3930	3580	3290	2870	2260	1740	720			
		350	24900	17700	16700	14800	13500	12400	11000	8900	7400	4600			
		450	44000	20400	19300	17000	15400	14100	12200						
	330	063	132	86.6	81.9	72.5	66.5	62.2	55.5	47.3	42.1	35.4			
		080	279	233	221	195	179	167	149	127	113	95			
		110	687	476	451	399	366	341	305	258	228	187			
		140	1110	799	757	669	613	572	508	426	369	283			
		180	3510	2060	1950	1720	1580	1470	1300	1070	910	640			
		250	7170	4790	4530	4000	3650	3380	2970	2370	1900	980			
		350	24900	18000	17000	15000	13700	12800	11300	9300	7800	5200			
		450	44000	20800	19600	17300	15800	14600	12700	9900					
18	120	063	69.4	46.6	43.9	37.4	33.3	30.4	26.8	22.1	18.5	12.3			
		063	94.1	67.0	63.4	54.9	49.0	44.9	39.9	33.5	29.1	22.6			
		080	190	154	154	143	127	117	104	87	75	57			
		110	687	410	388	336	299	273	241	198	166	109			

Discontinue

Index series

●RGIT (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	150	140	1110	682	644	556	492	446	386	294	213		Small
		180	1800	1110	1040	890	777	688	563	334			
		250	4990	2860	2680	2260	1940	1660	1250	390			
	180	063	132	80.2	75.9	66.9	59.8	54.7	48.8	41.2	36.3	29.4	Wide angle
		080	190	163	163	154	137	126	112	94	82	65	
		110	687	434	411	362	323	295	262	218	187	137	
		140	1110	724	684	602	535	486	426	339	269		
		180	3510	1830	1720	1510	1340	1210	1040	790	550		
		250	7170	4280	4030	3510	3080	2740	2280	1470	630		
		350	23300	12800	12100	10600	9300	8400	7100	5000	3000		
		450	44000	18500	17300	15100	13100	11500	9300				
	210	063	132	82.7	78.3	69.3	62.6	57.3	51.1	43.3	38.3	31.5	Torque table
		080	279	221	209	185	167	153	136	115	102	83	
		110	687	451	426	377	340	311	277	232	202	156	
		140	1110	754	713	629	566	516	455	370	306	189	
		180	3510	1910	1810	1600	1430	1300	1130	890	690	280	
		250	7170	4480	4220	3710	3300	2970	2530	1810	1120		
		350	24900	16800	15800	14000	12500	11300	9800	7600	5600		
		450	44000	19300	18200	16000	14100	12600	10600				
	240	063	132	84.5	80.0	70.8	64.7	59.3	52.9	44.9	39.8	33.1	Flat
		080	279	226	214	190	173	159	142	120	106	88	
		110	687	462	437	387	353	323	288	243	212	169	
		140	1110	775	733	648	590	539	477	393	332	229	
		180	3510	1980	1870	1650	1500	1370	1200	970	780	430	
		250	7170	4620	4360	3840	3470	3140	2710	2050	1450		
		350	24900	17300	16400	14400	13100	11900	10400	8300	6500		
		450	44000	20000	18900	16600	14900	13400	11500				
	270	063	132	85.8	81.2	71.9	65.9	60.8	54.3	46.2	41.0	34.3	Torque table
		080	279	231	218	193	177	163	146	124	110	92	
		110	687	471	446	394	361	333	297	251	221	179	
		140	1110	790	748	661	605	557	494	411	352	257	
		180	3510	2030	1920	1700	1550	1420	1260	1030	850	540	
		250	7170	4730	4470	3940	3580	3270	2850	2220	1680	590	
		350	24900	17700	16800	14800	13500	12400	10900	8800	7200	4200	
		450	44000	20500	19300	17000	15400	14100	12100				
	300	063	132	86.7	82.1	72.7	66.7	62.1	55.5	47.2	42.0	35.3	Standard
		080	279	234	221	196	180	167	149	127	113	95	
		110	687	477	452	400	367	341	304	258	228	186	
		140	1110	802	759	671	614	571	507	424	367	278	
		180	3510	2070	1960	1730	1580	1470	1300	1070	900	620	
		250	7170	4810	4540	4010	3660	3380	2960	2350	1860	900	
		350	24900	18100	17100	15100	13800	12800	11300	9200	7700	5000	
		450	44000	20800	19700	17300	15800	14600	12700	9800			
	330	063	132	87.5	82.8	73.3	67.2	62.9	56.4	48.1	42.8	36.1	Option
		080	279	236	223	198	181	170	152	130	115	97	
		110	687	482	456	404	370	346	310	263	233	192	
		140	1110	811	767	679	622	580	519	436	379	295	
		180	3510	2100	1980	1750	1600	1500	1330	1110	940	680	
		250	7170	4870	4610	4070	3710	3450	3050	2460	2000	1130	
		350	24900	18300	17300	15300	14000	13000	11600	9600	8100	5600	
		450	44000	21100	20000	17600	16100	14900	13100	10300			
20	120	063	69.4	48.3	45.7	39.0	34.8	31.7	28.1	23.2	19.6	13.6	
		080	168	93.4	88.3	75.3	67.0	61.0	53.7	43.4	35.4	20.6	
		110	377	265	250	213	189	171	149	117	89	32	
	150	063	94.1	68.9	65.2	56.8	50.7	46.4	41.3	34.8	30.3	23.9	

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

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

●RGIT (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						
24	90	063	27.6	21.7	21.3	20.4	19.8	19.2	18.4	16.6	14.0	7.3	Small	Standard	Wide angle	Roller gear cam unit	Table	Small multi-index	Flat	Torque table	Parallel cam unit	Option
		063	27.6	23.8	23.8	23.1	22.4	21.9	21.1	19.7	17.6	12.4										
		080	119	86.5	81.8	70.3	62.6	57.1	50.3	41.0	33.8	20.9										
		110	256	215	215	197	175	159	139	110	85	37										
		140	531	438	431	368	324	290	245	169	93											
		180	1450	896	840	709	611	532	414	182												
		250	4680	2420	2250	1870	1570	1310	890													
		350	10100	5730	5350	4460	3780	3200	2290													
	150	450	24300	11200	10400	8600	7100	5800	3700													
		063	69.4	53.5	50.6	44.5	39.7	36.3	32.3	27.2	23.7	18.5										
		080	168	104	98	86	77	70	62	52	45	33										
		110	377	298	282	247	220	201	177	146	122	81										
		140	877	568	536	469	416	377	328	253	189											
		180	1800	1220	1150	1000	880	790	670	460	250											
		250	4990	3140	2950	2550	2210	1940	1560	820												
		350	18000	7220	6780	5870	5110	4510	3660	2070												
	180	450	24000	13600	12700	11000	9400	8200	6300	2600												
		063	69.4	55.1	52.1	46.1	41.6	38.1	33.9	28.7	25.2	20.3										
		080	168	107	101	90	81	74	66	55	48	38										
		110	377	308	291	258	232	212	188	156	134	98										
		140	877	589	557	491	441	401	352	283	227	121										
		180	1800	1280	1200	1060	950	850	740	550	380											
		250	4990	3280	3080	2700	2390	2130	1780	1170	540											
		350	18000	7560	7120	6240	5540	4960	4170	2830	1490											
210	450	25700	17800	16800	14700	13000	11600	9600	6200	2700												
	063	69.4	56.1	53.1	47.0	42.9	39.3	35.1	29.7	26.3	21.6											
	080	168	109	103	91	84	77	68	58	51	40											
	110	415	388	383	339	310	283	252	212	185	146											
	140	877	603	570	504	459	419	370	302	251	161											
	180	2560	1650	1560	1370	1250	1130	990	790	630	300											
	250	4990	3370	3170	2790	2520	2260	1930	1390	870												
	350	18000	7800	7350	6460	5850	5270	4520	3320	2200												
240	450	25700	18400	17300	15200	13700	12300	10500	7500	4600												
	063	69.4	56.7	53.7	47.5	43.6	40.3	36.0	30.5	27.1	22.4											
	080	168	111	105	93	85	79	70	59	52	43											
	110	415	394	389	344	316	292	260	219	193	155											
	140	1110	808	764	676	619	571	506	422	362	268											
	180	2560	1680	1590	1400	1280	1180	1040	840	690	410											
	250	4990	3430	3240	2850	2590	2360	2040	1540	1090												
	350	18000	7960	7510	6620	6020	5500	4770	3660	2690												
270	450	25700	18800	17700	15600	14100	12900	11100	8400	5900												
	063	69.4	57.2	54.2	47.9	44.0	41.1	36.7	31.2	27.7	23.1											
	080	168	112	106	94	86	80	71	61	54	44											
	110	415	398	393	348	319	298	266	225	199	162											
	140	1110	818	774	684	627	585	520	436	378	289											
	180	2560	1700	1610	1420	1300	1210	1070	880	740	490											
	250	4990	3470	3280	2890	2630	2440	2120	1650	1250												
	350	23500	13200	12500	11000	10100	9400	8300	6700	5500												
300	450	25700	19000	18000	15800	14400	13300	11600	9000	6800												
	063	69.4	57.6	54.5	48.2	44.2	41.4	37.3	31.7	28.2	23.7											
	080	168	112	106	94	86	81	73	62	55	45											
	110	415	401	397	351	322	301	271	230	203	167											
	140	1110	825	781	691	633	591	531	446	389	306											
	180	2560	1720	1630	1440	1320	1230	1100	910	770	550											
	250	4990	3510	3310	2920	2660	2470	2180	1740	1370	660											

Output torque table

Index series

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

●RGIT (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			
30	240	450	24300	13800	13000	11400	10400	9500	8200	6100	4300		Small Standard Wide angle Roller gear cam unit Table Small multi-index Flat Torque table Standard Torque table Option		
	063	18.0	17.6	17.6	17.6	17.6	17.6	17.3	14.7	13.0	10.7				
	080	119	98.9	93.6	82.9	76.0	71.0	64.0	54.3	48.1	39.8				
	110	256	250	250	237	217	203	183	154	136	110				
	140	531	516	510	451	413	385	345	288	249	186				
	180	1450	1080	1020	900	830	770	680	560	460	280				
	250	4680	2900	2740	2420	2200	2040	1800	1410	1080	420				
	350	10100	7070	6680	5890	5370	4980	4410	3500	2760	1320				
	450	24300	13900	13100	11600	10500	9700	8500	6600	4900	1400				
	063	18.0	17.7	17.7	17.7	17.7	17.7	17.5	15.0	13.3	11.0				
	080	119	99.3	94.0	83.2	76.3	71.3	64.9	55.2	48.9	40.8				
	110	256	251	251	238	218	204	185	157	139	114				
	140	531	519	513	453	415	388	351	295	256	198				
	180	1450	1090	1030	910	830	780	700	570	480	320				
	250	4680	2920	2760	2440	2220	2060	1840	1470	1170	590				
	350	10100	7120	6730	5940	5420	5040	4520	3650	2960	1690				
	450	24300	14000	13200	11700	10600	9800	8800	6900	5400	2400				
	063	18.0	17.7	17.7	17.7	17.7	17.7	17.7	15.1	13.4	11.2				
	080	119	99.6	94.3	83.5	76.6	71.6	65.6	55.9	49.6	41.5				
	110	256	252	252	239	219	205	187	159	141	117				
	140	531	521	515	455	417	389	356	300	262	207				
	180	1450	1090	1040	920	840	780	710	590	500	350				
	250	4680	2930	2770	2450	2240	2080	1880	1520	1240	720				
	350	10100	7160	6770	5980	5460	5080	4600	3760	3120	1970				
	450	24300	14100	13300	11700	10700	9900	9000	7200	5800	3100				
	32	90	063	18.0	15.8	15.7	15.1	14.6	14.2	13.5	10.8	8.4		3.8	
		080	35.1	30.2	30.0	28.7	27.6	26.7	25.2	21.8	16.9				
		110	163	119	111	94	82	74	62	41	20				
140		329	274	270	242	210	183	145	70						
180		696	562	543	443	367	299	186							
250		2400	1560	1420	1120	860	620								
350		6770	3370	3080	2440	1910	1400								
450		10400	5830	5230	3970	2840	1690								
063		18.0	16.6	16.6	16.3	15.9	15.5	14.9	12.3	10.3	6.9				
080		88.3	68.8	65.0	56.6	50.4	46.0	40.6	33.1	27.5	17.5				
110		229	144	136	118	105	95	82	64	47					
140		329	294	293	271	239	214	180	124	68					
180		1150	745	699	599	519	454	360	179						
250		2400	1690	1570	1320	1110	920	610							
350		7180	4500	4200	3560	3030	2580	1880							
450		18600	7530	6970	5810	4790	3870	2340							
063		18.0	17.1	17.1	17.0	16.7	16.3	15.8	13.2	11.4	8.5				
080		88.3	70.9	67.1	59.3	53.2	48.6	43.1	35.9	30.7	22.4				
110		229	149	141	124	111	101	89	72	58	32				
140		484	400	378	333	297	269	233	180	133	36				
180		1150	778	733	642	566	505	423	279						
250		3410	2210	2080	1810	1570	1380	1100	560						
350		7180	4740	4450	3870	3380	2970	2390	1280						
450		18600	7940	7410	6390	5490	4690	3480							
063		18.0	17.3	17.3	17.3	17.2	16.9	16.4	13.8	12.0	9.4				
080		88.3	72.1	68.3	60.4	55.1	50.4	44.8	37.6	32.7	25.2				
110		229	151	143	126	115	105	93	76	64	43				
140		484	408	386	341	310	282	247	197	157	80				
180	1150	798	753	662	597	538	461	336	219						
250	3410	2270	2140	1870	1670	1490	1240	790	340						

Output torque table

Index series

●RGIT (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	350	10100	6820	6430	5650	5090	4580	3900	2780	1700		
				450	18600	8180	7680	6680	5930	5200	4150				
			210	063	18.0	17.5	17.5	17.5	17.3	16.8	14.2	12.5	10.1		
				080	88.3	72.9	69.0	61.1	56.0	51.7	46.1	38.8	34.0	27.1	
				110	229	153	145	128	117	108	96	80	68	49	
				140	484	414	391	346	316	291	257	209	173	108	
				180	1150	811	766	674	613	561	487	374	274		
				250	3410	2300	2170	1910	1720	1570	1330	940	570		
				350	10100	6950	6560	5770	5250	4790	4140	3130	2230		
				450	18600	8340	7850	6860	6160	5540	4590				
	240	063	18.0	17.6	17.6	17.6	17.6	17.1	14.6	12.8	10.5				
		080	88.3	73.4	69.5	61.5	56.4	52.7	47.1	39.8	35.0	28.4			
		110	229	154	146	129	118	110	98	82	71	54			
		140	484	418	395	349	319	297	264	218	184	127			
		180	1450	1080	1020	900	820	760	670	540	440	240			
250		3410	2330	2200	1930	1750	1620	1400	1040	720					
350		10100	7040	6650	5860	5340	4940	4320	3380	2580					
450		18600	8450	7960	6980	6310	5770	4890							
270	063	18.0	17.7	17.7	17.7	17.7	17.6	17.4	14.8	13.1	10.8				
	080	88.3	73.8	69.9	61.8	56.7	53.0	47.8	40.6	35.8	29.4				
	110	229	155	147	130	119	111	100	84	73	57				
	140	484	420	398	351	322	300	269	224	192	140				
	180	1450	1090	1030	910	830	770	690	560	470	300				
	250	3410	2350	2220	1950	1780	1640	1440	1120	830					
	350	10100	7100	6710	5920	5400	5010	4450	3560	2830					
	450	24300	14000	13200	11600	10600	9800	8600	6700	5100					
300	063	18.0	17.7	17.7	17.7	17.7	17.7	17.6	15.0	13.3	11.1				
	080	88.3	74.1	70.1	62.1	56.9	53.2	48.5	41.2	36.5	30.2				
	110	256	252	252	239	219	204	186	158	140	114				
	140	484	422	399	353	323	302	274	229	198	150				
	180	1450	1090	1030	910	840	780	700	580	490	330				
	250	3410	2360	2230	1960	1790	1660	1480	1170	910	400				
	350	10100	7140	6750	5960	5450	5060	4560	3690	3020	1790				
	450	24300	14100	13300	11700	10700	9900	8900	7000	5500	2600				
330	063	18.0	17.8	17.8	17.8	17.8	17.7	17.7	15.2	13.5	11.3				
	080	88.3	74.3	70.3	62.2	57.1	53.3	48.9	41.7	37.0	30.8				
	110	256	252	252	239	220	205	188	160	142	117				
	140	484	423	401	354	325	303	277	233	203	157				
	180	1450	1100	1040	920	840	780	710	590	510	360				
	250	3410	2370	2240	1970	1800	1670	1510	1210	970	520				
	350	10100	7180	6790	6000	5480	5100	4620	3800	3170	2050				
	450	24300	14100	13300	11800	10800	10000	9000	7300	5900	3300				
Parallel cam unit	90	36	080	35.1	31.1	31.0	29.7	28.7	27.7	26.3	23.2	18.5			
			110	163	122	115	97	86	77	65	45	25			
			140	296	178	166	138	117	100	72					
			180	696	584	567	467	392	325	219					
			250	1950	1270	1160	910	690	480						
			350	6770	3520	3240	2600	2090	1600						
			450	10400	6100	5530	4290	3200	2120						
			120	080	35.1	32.7	32.6	32.2	31.2	30.4	29.2	26.9	23.4	14.7	
				110	163	128	121	106	94	85	74	57	43		
				140	329	300	299	279	246	221	188	134	81		
	180	696		626	614	528	458	401	318	158					
	250	2400		1730	1610	1370	1160	970	680						

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	
36	120	350	7180	4630	4330	3710	3180	2740	2070				
		450	10400	6640	6150	5160	4250	3440					
	150	080	35.1	33.5	33.4	33.4	32.8	32.0	30.9	29.0	26.0	18.8	
		110	163	132	125	110	99	90	79	64	52	29	
		140	329	310	309	292	262	237	206	158	117	32	
		180	696	649	638	559	496	442	370	243			
		250	2400	1790	1680	1460	1280	1110	880	410			
		350	7180	4830	4540	3960	3490	3090	2520	1470			
		450	10400	6940	6490	5590	4830	4130	3060				
	180	080	35.1	34.0	33.9	33.9	33.8	33.1	32.1	30.4	27.6	21.2	
		110	163	134	126	112	102	93	82	68	57	38	
		140	329	315	315	298	272	247	217	173	138	70	
		180	696	662	653	573	520	469	401	292	189		
		250	2400	1830	1720	1500	1350	1200	990	610	220		
		350	7180	4950	4660	4090	3690	3310	2790	1910	1030		
		450	18600	8300	7800	6800	6080	5370	4360	2470			
	210	080	35.1	34.2	34.2	34.2	34.1	33.9	32.9	31.3	28.7	22.8	
		110	229	154	146	129	118	110	97	81	70	52	
		140	329	319	318	301	275	255	225	183	151	94	
		180	1150	819	773	681	620	571	497	387	293	101	
		250	2400	1850	1740	1530	1380	1260	1060	740	420		
		350	7180	5030	4740	4170	3780	3460	2970	2190	1460		
		450	18600	8440	7940	6950	6260	5680	4750	3140			
	240	080	35.1	34.4	34.4	34.4	34.4	34.3	33.6	32.1	29.6	23.9	
		110	229	155	147	130	119	111	99	83	72	56	
		140	329	321	321	304	278	259	231	190	160	110	
		180	1150	825	780	688	628	583	514	411	326	164	
		250	2400	1870	1760	1550	1400	1290	1120	820	550		
		350	7180	5080	4790	4220	3840	3550	3100	2380	1750		
		450	18600	8520	8040	7050	6380	5860	5020	3590	2200		
	270	080	35.1	34.6	34.6	34.5	34.5	34.5	34.1	32.7	30.2	24.7	
		110	229	156	147	130	119	111	101	85	74	59	
		140	329	323	322	305	280	261	235	196	167	122	
		180	1150	830	785	693	633	588	528	428	350	209	
		250	2400	1880	1770	1560	1420	1310	1160	880	640		
		350	7180	5110	4830	4260	3880	3600	3200	2520	1950		
		450	18600	8590	8100	7130	6470	5960	5230	3910	2700		
	300	080	35.1	34.7	34.7	34.7	34.6	34.6	34.5	33.2	30.7	25.4	
		110	229	156	148	131	120	112	102	86	76	61	
		140	329	324	323	307	281	262	239	200	173	130	
		180	1150	834	789	697	637	593	537	441	368	241	
		250	2400	1890	1780	1570	1430	1320	1180	930	710	270	
		350	7180	5140	4860	4290	3910	3630	3270	2630	2110	1120	
		450	18600	8630	8150	7180	6530	6030	5380	4150	3070		
	330	080	35.1	34.8	34.7	34.7	34.7	34.7	34.6	33.6	31.2	25.9	
		110	229	156	148	131	120	112	103	88	77	63	
		140	329	325	324	308	282	263	240	203	177	137	
		180	1150	837	791	699	640	596	541	452	382	266	
250		2400	1890	1790	1580	1440	1330	1200	960	760	380		
350		7180	5160	4880	4310	3930	3660	3310	2710	2220	1330		
450		18600	8670	8190	7220	6570	6090	5450	4340	3350			
40	90	080	23.0	21.0	20.9	20.2	19.4	18.7	17.6	13.0	8.7		
		110	121	93.3	87.8	74.6	65.5	58.5	48.9	32.3	15.4		
		140	296	182	170	143	122	105	79				
		180	636	491	456	376	313	256	165				

Product specifications

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

Output torque table

Index series

●RGIT (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	40	90	080	1550	996	902	700	520	338					
				350	4970	2940	2700	2170	1730	1310					
				450	7400	4500	4050	3090	2200						
	Standard	120	080	23.0	21.9	21.8	21.6	20.9	20.3	19.4	15.5	12.2	5.8		
			110	121	97.2	91.8	80.5	71.2	64.4	55.7	42.2	30.2			
			140	296	191	180	156	137	121	100	61				
			180	636	520	488	421	363	316	246	108				
			250	1950	1390	1290	1090	920	760	520					
			350	6770	3910	3650	3140	2680	2300	1720					
	Wide angle	150	450	10400	6790	6310	5340	4450	3670	2390					
			080	23.0	22.3	22.2	22.2	21.9	21.3	20.5	16.9	14.0	9.0		
			110	163	133	126	111	100	91	80	65	54	32		
140			296	195	184	162	145	130	111	80					
180			696	657	647	567	507	453	382	261					
250			1950	1420	1330	1160	1010	880	680	280					
Parallel cam unit	Table	40	180	350	6770	4050	3800	3310	2930	2590	2100	1180			
				450	10400	7050	6590	5700	4970	4290	3270				
				080	23.0	22.5	22.5	22.4	22.4	22.0	21.3	17.7	15.1	10.8	
				110	163	134	127	112	103	94	84	69	58	40	
				140	329	318	317	300	274	251	221	178	143	79	
				180	696	668	659	579	526	477	411	305	208		
	Small multi-index	210	250	1950	1450	1360	1190	1060	950	770	450				
			350	7180	5000	4720	4140	3740	3380	2870	2020				
			450	10400	7200	6760	5890	5260	4670	3780					
			080	23.0	22.6	22.6	22.6	22.5	22.5	21.8	18.3	15.8	12.0		
			110	163	135	128	113	104	97	86	72	61	46		
			140	329	320	320	303	277	258	228	187	156	101		
Option	Torque table	240	180	696	675	666	587	534	494	430	334	251			
			250	1950	1460	1380	1210	1090	990	830	560	280			
			350	7180	5070	4780	4210	3820	3520	3040	2280	1590			
			450	10400	7290	6860	6010	5410	4930	4110	2690				
			080	23.0	22.7	22.7	22.7	22.7	22.6	22.2	18.8	16.4	12.8		
			110	163	136	129	114	104	97	88	73	64	49		
	Standard	270	140	329	322	322	305	279	260	233	193	164	116		
			180	696	680	671	592	540	501	444	354	280	136		
			250	1950	1470	1390	1220	1100	1010	880	630	400			
			350	7180	5110	4830	4250	3870	3580	3160	2450	1850			
			450	10400	7360	6930	6080	5500	5050	4350	3080				
			080	23.0	22.8	22.8	22.8	22.7	22.7	22.6	19.1	16.8	13.4		
Torque table	300	110	163	137	129	114	105	98	89	75	66	52			
		140	329	324	323	307	281	262	238	198	170	126			
		180	696	683	675	596	544	506	455	368	301	176			
		250	1950	1480	1400	1230	1110	1030	910	680	480				
		350	7180	5140	4860	4280	3910	3620	3250	2580	2040				
		450	10400	7400	6980	6140	5570	5130	4520	3360	2300				
Option	330	080	23.0	22.8	22.8	22.8	22.8	22.8	22.7	19.4	17.1	13.8			
		110	163	137	130	115	105	98	90	76	67	54			
		140	329	325	324	308	282	263	240	202	175	134			
		180	696	686	677	598	547	509	461	380	316	204			
		250	1950	1480	1400	1230	1120	1040	930	720	540				
		350	7180	5160	4880	4310	3930	3650	3300	2680	2170				
Torque table	330	450	10400	7430	7020	6180	5620	5190	4620	3570	2620				
		080	23.0	22.9	22.9	22.9	22.8	22.8	22.8	19.7	17.4	14.2			
		110	163	137	130	115	105	98	90	77	68	55			
Torque table		330	140	329	325	325	308	282	264	241	205	179	140		

●RGIT (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	
40	330	180	696	688	679	600	549	511	464	389	328	226	Roller gear cam unit
		250	2400	1900	1790	1580	1440	1340	1210	980	790	430	
		350	7180	5180	4900	4320	3950	3670	3330	2760	2280	1440	
		450	10400	7460	7040	6210	5650	5230	4690	3730	2870		
90	110	48.1	44.7	44.3	42.7	40.7	38.7	35.2	26.7	14.4			
	140	211	165	154	130	112	97	74					
	180	432	389	382	342	286	238	159					
	250	938	846	804	635	479	324						
	350	3530	2470	2270	1840	1470	1120						
	450	6980	3890	3510	2720	1970	1200						
120	110	48.1	46.1	45.9	45.6	44.1	42.5	40.0	34.5	26.3			
	140	211	170	160	140	123	110	91	58				
	180	432	407	403	375	326	285	224	107				
	250	938	884	855	723	599	485	295					
	350	4970	3250	3040	2620	2260	1940	1450					
	450	7400	5000	4630	3920	3260	2650	1630					
150	110	48.1	46.8	46.7	46.5	46.1	44.7	42.7	38.5	32.2	16.2		
	140	211	173	163	144	130	117	100	73	47			
	180	432	416	413	387	348	310	258	166	71			
	250	1550	1100	1030	890	780	680	520	190				
	350	4970	3340	3140	2740	2440	2150	1750	990				
	450	7400	5140	4800	4140	3630	3100	2310					
180	110	121	101	96	85	77	72	63	52	44	29		
	140	211	175	165	145	132	122	106	81	60			
	180	432	421	419	394	357	326	278	200	125			
	250	1550	1110	1050	910	810	730	590	330				
	350	4970	3390	3190	2800	2520	2290	1920	1290				
	450	7400	5220	4900	4260	3790	3380	2700	1390				
210	110	121	102	96	85	78	73	65	54	46	34		
	140	211	176	166	147	134	124	109	87	68			
	180	432	424	422	398	362	334	291	221	158			
	250	1550	1120	1060	920	830	760	640	420	190			
	350	4970	3420	3230	2840	2570	2360	2040	1480	960			
	450	7400	5270	4960	4330	3890	3530	2950	1850				
240	110	121	102	97	85	78	73	66	55	48	36		
	140	211	177	167	147	135	125	112	91	74	43		
	180	432	426	425	401	365	338	301	236	181	70		
	250	1550	1130	1060	930	840	770	670	470	290			
	350	4970	3440	3250	2860	2600	2400	2120	1610	1160			
	450	7400	5310	5000	4380	3960	3620	3120	2150				
270	110	121	102	97	86	78	73	67	56	49	39		
	140	211	177	167	148	135	126	114	94	78	51		
	180	432	427	426	403	368	341	307	247	197	101		
	250	1550	1130	1070	940	850	780	690	520	350			
	350	4970	3460	3270	2880	2620	2430	2170	1710	1310			
	450	7400	5330	5030	4420	4000	3680	3230	2370	1540			
300	110	121	102	97	86	79	73	67	57	50	40		
	140	211	177	168	148	136	126	115	96	82	57		
	180	432	428	427	405	369	343	310	255	209	124		
	250	1550	1130	1070	940	860	790	700	550	400			
	350	4970	3470	3280	2890	2640	2450	2200	1780	1410			
	450	7400	5350	5050	4440	4030	3720	3300	2530	1790			
330	110	121	103	97	86	79	74	67	58	51	41		
	140	211	178	168	148	136	127	115	98	84	61		
	180	432	429	428	406	371	345	312	262	218	141		

Output torque table

Index series

●RGIT (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
48	330	250	1550	1130	1070	940	860	800	710	570	440	170
		350	4970	3480	3290	2900	2650	2460	2220	1840	1490	860
		450	7400	5360	5060	4460	4060	3750	3340	2660	1990	

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

Product specifications

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

Output torque table

Index series

●RGIT (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	180	063	132	77.9	73.7	65.2	58.8	53.9	47.1	40.7	35.2	29.5			
				080	190	157	157	149	134	123	107	93	80	66			
				110	415	344	340	301	271	248	215	184	154	119			
	Standard		210	063	132	80.8	76.5	67.7	61.9	56.7	49.7	43.0	37.3	31.7			
				080	279	215	203	180	165	151	132	114	99	84			
				110	687	438	415	367	335	307	268	230	197	160			
				140	1110	732	692	612	558	509	441	371	302	214			
				180	2560	1490	1410	1250	1130	1030	880	710	530	250			
				250	7170	4330	4090	3600	3260	2940	2470	1900	1210				
				350	23300	13000	12300	10800	9800	8900	7600	6100	4300				
	Wide angle		240	450	25700	16700	15700	13800	12400	11200	9200						
				063	132	83.0	78.5	69.5	63.8	59.0	51.6	44.8	39.0	33.3			
				080	279	222	210	186	170	157	138	119	104	88			
	Table			110	687	452	428	379	347	321	280	242	208	172			
				140	1110	756	716	633	579	534	464	394	328	248			
	Small multi-index			180	3510	1920	1820	1610	1470	1350	1170	970	780	510			
				250	7170	4500	4250	3740	3410	3120	2650	2120	1510	570			
				350	24900	16800	15900	14100	12800	11800	10200	8400	6600	4100			
	Flat		270	450	44000	19400	18400	16100	14700	13400	11200						
				063	132	84.5	80.0	70.8	65.0	60.7	53.2	46.2	40.3	34.5			
				080	279	226	214	190	174	163	142	124	108	92			
	Torque table			110	687	462	438	387	355	332	290	251	217	182			
				140	1110	775	733	648	594	554	482	412	347	272			
				180	3510	1980	1870	1660	1510	1410	1220	1030	840	610			
	Parallel cam unit			250	7170	4620	4370	3860	3520	3260	2790	2280	1730	910			
				350	24900	17300	16400	14500	13200	12300	10700	8900	7200	5000			
				450	44000	20000	18900	16700	15200	14000	11900	9500					
Option	Standard	30	300	063	132	85.7	81.1	71.8	65.9	61.6	54.5	47.3	41.3	35.5			
				080	279	230	218	193	177	165	146	127	111	95			
				110	687	470	445	394	361	337	298	258	224	189			
	Torque table		330	140	1110	789	746	660	605	565	497	426	363	291			
				180	3510	2030	1920	1690	1550	1450	1270	1080	900	680			
				250	7170	4720	4460	3940	3600	3340	2900	2410	1890	1170			
				350	24900	17700	16700	14800	13500	12600	11000	9300	7700	5600			
				450	44000	20400	19300	17000	15500	14400	12400	10100					
				063	132	86.6	81.9	72.6	66.5	62.2	55.5	48.2	42.1	36.3			
	Option		150	080	279	233	221	195	179	168	149	130	113	98			
				110	687	476	451	399	366	342	305	264	229	195			
				140	1110	800	757	670	614	573	509	438	375	306			
	Torque table		180	180	3510	2060	1950	1720	1580	1470	1300	1110	940	730			
				250	7170	4790	4530	4010	3660	3410	3000	2510	2010	1360			
				350	24900	18000	17000	15100	13800	12800	11400	9700	8100	6100			
Option	Standard	30	150	450	44000	20800	19600	17300	15800	14700	12900	10600					
				063	94.1	68.9	65.2	57.7	51.7	47.3	41.4	35.7	30.7	25.5			
				080	168	99.9	94.5	83.6	74.8	68.4	59.5	50.9	42.8	33.5			
	Torque table		180	110	377	285	270	238	213	194	169	142	117	84			
				140	877	541	511	451	401	364	310	251	184				
				063	94.1	71.8	67.9	60.1	54.8	50.2	43.9	38.0	32.9	27.7			
				080	190	167	167	158	144	132	115	100	86	72			
				110	415	366	361	320	291	266	232	199	169	135			
				140	1110	745	705	623	566	516	446	375	303	209			
	Option		210	180	2560	1530	1440	1270	1150	1040	890	720	520	220			
				250	4990	3150	2960	2600	2330	2090	1710	1230	590				
				350	23500	11800	11200	9800	8900	8000	6800	5300	3600				
	Torque table		240	450	25700	17000	16000	14100	12600	11300	9200	6600					

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	210	063	94.1	73.6	69.7	61.7	56.6	52.2	45.7	39.6	34.4	29.3
		080	190	172	172	163	150	138	121	105	91	77
		110	687	460	435	385	353	326	285	245	211	174
		140	1110	771	729	645	590	543	471	400	332	249
		180	3510	1970	1860	1640	1500	1380	1190	990	790	520
		250	7170	4590	4340	3820	3480	3180	2700	2150	1520	
		350	23300	13800	13000	11500	10500	9600	8200	6700	5100	
		450	44000	19900	18800	16500	15000	13600	11400	8800		
	240	063	94.1	74.9	70.9	62.8	57.6	53.8	47.1	40.9	35.6	30.5
		080	190	176	176	167	153	143	125	109	94	81
		110	687	470	445	394	361	337	295	255	220	184
		140	1110	789	746	660	604	564	491	419	353	277
		180	3510	2030	1920	1690	1550	1440	1250	1050	860	620
		250	7170	4720	4460	3930	3590	3330	2850	2330	1760	930
		350	23300	14200	13400	11800	10800	10000	8700	7200	5700	3600
		450	44000	20400	19300	17000	15500	14300	12100	9700		
	270	063	94.1	75.9	71.8	63.6	58.3	54.5	48.3	41.9	36.6	31.4
		080	190	178	178	169	155	145	128	111	97	83
		110	687	477	452	400	367	343	303	262	227	192
		140	1110	802	759	671	615	574	506	434	369	297
		180	3510	2070	1960	1730	1580	1480	1300	1100	920	690
		250	7170	4810	4550	4020	3670	3410	2960	2460	1930	1210
		350	23300	14500	13700	12100	11000	10300	9000	7600	6100	4300
		450	44000	20900	19700	17400	15900	14700	12700	10400		
300	063	94.1	76.6	72.5	64.2	58.9	55.0	49.2	42.7	37.3	32.1	
	080	190	180	180	171	157	147	131	114	99	86	
	110	687	483	457	404	371	347	309	268	233	198	
	140	1110	812	768	680	623	582	518	446	382	313	
	180	3510	2100	1990	1760	1610	1500	1330	1140	960	750	
	250	7170	4880	4610	4080	3730	3470	3060	2560	2070	1410	
	350	24900	18300	17300	15300	14000	13100	11600	9900	8200	6300	
	450	44000	21200	20000	17700	16100	15000	13100	10900			
330	063	94.1	77.1	73.0	64.6	59.3	55.4	49.9	43.4	37.9	32.7	
	080	190	182	182	173	158	148	133	116	101	87	
	110	687	487	461	408	374	350	315	273	238	203	
	140	1110	819	775	686	629	587	528	455	392	325	
	180	3510	2120	2010	1780	1630	1520	1360	1170	990	790	
	250	7170	4930	4660	4120	3770	3510	3130	2650	2170	1570	
	350	24900	18500	17500	15500	14200	13200	11900	10100	8500	6700	
	450	44000	21400	20200	17900	16300	15200	13500	11300			
36	120	063	27.6	23.8	23.8	23.5	22.9	22.4	21.5	20.5	18.1	14.1
		080	119	86.5	81.9	71.7	63.9	58.4	50.6	42.8	35.3	25.8
		110	256	215	215	202	179	163	141	117	92	58
	150	063	69.4	53.5	50.7	44.8	40.5	37.1	32.4	27.9	24.0	19.8
		080	168	104	98	87	79	72	63	54	46	37
		110	377	298	282	249	225	205	178	152	126	95
		140	877	568	537	474	426	388	332	273	209	117
		180	1450	962	907	797	711	639	529	393		
		250	4990	3140	2960	2590	2300	2050	1650	1120		
		350	10100	6190	5830	5100	4520	4030	3240	2180		
		450	24300	12200	11400	10000	8800	7700	6000	3500		
	180	063	69.4	55.1	52.1	46.1	42.3	38.8	33.9	29.4	25.4	21.4
		080	168	107	101	90	82	75	66	57	49	40
		110	377	308	292	258	236	216	189	162	137	109
		140	877	589	557	492	450	411	355	298	240	164

Product specifications

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

Output torque table

Index series

●RGIT (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	36	180	180	1800	1280	1210	1060	970	880	750	600	440	190	
				250	4990	3280	3090	2720	2460	2220	1850	1390	800		
				350	18000	7570	7140	6280	5700	5150	4310	3300	2040		
				450	25700	17800	16800	14800	13400	12100	10000	7500	4200		
	Standard		210	063	69.4	56.1	53.1	47.0	43.1	40.1	35.1	30.4	26.4	22.4	
				080	168	109	103	92	84	78	68	59	51	43	
				110	415	388	383	339	311	289	253	218	188	156	
				140	877	603	571	505	462	428	372	315	261	194	
				180	2560	1650	1560	1380	1260	1160	1000	840	670	440	
				250	4990	3370	3180	2800	2550	2340	1980	1560	1070		
				350	18000	7800	7370	6490	5910	5440	4620	3690	2610		
				450	25700	18400	17300	15300	13900	12800	10800	8500	5700		
	Wide angle		240	063	69.4	56.7	53.7	47.5	43.6	40.8	36.0	31.2	27.2	23.2	
				080	168	111	105	93	85	79	70	61	53	45	
				110	415	394	389	344	316	295	260	225	194	163	
				140	1110	808	765	676	620	578	508	436	370	296	
				180	2560	1680	1590	1400	1290	1200	1050	880	720	520	
				250	4990	3430	3240	2860	2600	2410	2080	1680	1240	590	
				350	23500	13000	12300	10900	9900	9300	8100	6700	5400	3600	
				450	25700	18800	17700	15600	14200	13200	11300	9200	6700		
	Table		270	063	69.4	57.2	54.2	48.0	44.0	41.1	36.7	31.8	27.8	23.8	
				080	168	112	106	94	86	80	71	62	54	46	
				110	415	398	393	348	319	298	266	230	200	169	
				140	1110	818	774	685	628	586	521	448	384	313	
				180	2560	1710	1610	1430	1310	1220	1080	920	760	580	
				250	4990	3470	3280	2900	2650	2460	2150	1770	1370	810	
				350	23500	13200	12500	11100	10100	9400	8300	7000	5800	4100	
				450	25700	19000	18000	15900	14500	13500	11800	9700	7500		
	Small multi-index		300	063	69.4	57.6	54.5	48.2	44.2	41.4	37.3	32.4	28.3	24.3	
				080	168	112	106	94	86	81	73	63	55	47	
				110	415	401	397	351	322	301	271	235	204	174	
				140	1110	825	781	691	633	592	531	458	394	327	
				180	2560	1720	1630	1440	1320	1230	1100	940	790	620	
				250	4990	3510	3320	2930	2680	2490	2210	1840	1470	960	
				350	23500	13400	12600	11200	10200	9500	8500	7200	6000	4500	
				450	25700	19200	18200	16100	14700	13700	12100	10100	8000	5200	
	Flat		330	063	69.4	57.8	54.7	48.5	44.5	41.6	37.5	32.8	28.7	24.7	
				080	168	113	107	95	87	81	73	64	56	48	
				110	415	403	399	353	324	303	273	238	208	178	
				140	1110	830	786	696	638	596	537	467	403	337	
				180	2560	1740	1640	1450	1330	1240	1120	960	820	650	
				250	4990	3530	3340	2950	2700	2510	2240	1900	1540	1080	
				350	23500	13500	12700	11300	10300	9600	8600	7400	6200	4900	
				450	25700	19400	18400	16200	14800	13800	12300	10400	8400	5900	
Option	48	90	063	18.0	15.8	15.8	15.4	14.9	14.5	13.7	11.4	9.0	5.8		
			080	35.1	30.2	30.1	29.3	28.4	27.6	26.0	23.7	18.8	9.9		
			110	163	119	112	96	85	77	64	48	29			
		120	063	18.0	16.6	16.6	16.6	16.2	15.8	15.1	12.8	10.7	8.1		
			080	88.3	68.8	65.1	57.5	51.5	47.0	40.8	34.6	28.6	21.2		
			110	229	144	136	120	107	98	84	69	52	29		
			140	484	385	364	320	285	258	217	170	114			
			180	1150	746	702	614	540	481	384	255				
			250	2400	1690	1590	1370	1180	1020	720					
			350	7180	4510	4230	3670	3200	2800	2110					
			450	18600	7550	7040	6050	5160	4380	2930					

 RGIT (3 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)									
				10	20	30	40	50	70	100	140	200	
48	150	063	18.0	17.1	17.1	17.1	17.0	16.6	15.9	13.6	11.6	9.4	Roller gear cam unit
		080	88.3	70.9	67.1	59.4	54.3	49.6	43.3	37.1	31.4	25.0	
		110	229	149	141	124	113	103	90	75	61	43	
		140	484	400	378	334	304	276	237	194	148	81	
		180	1150	779	734	645	584	526	438	330	194		
		250	3410	2210	2080	1820	1640	1460	1170	780	250		
		350	7180	4740	4460	3910	3510	3140	2530	1730	630		
		450	18600	7950	7460	6490	5770	5070	3860				
	180	063	18.0	17.3	17.3	17.3	17.3	17.2	16.5	14.2	12.2	10.1	
		080	88.3	72.1	68.3	60.4	55.4	51.4	44.9	38.7	33.1	27.2	
		110	229	151	143	127	116	107	93	79	66	50	
		140	484	409	386	341	312	289	249	209	167	112	
		180	1150	798	754	664	605	556	471	375	262		
		250	3410	2270	2140	1880	1700	1560	1290	960	530		
		350	10100	6820	6440	5670	5160	4740	4000	3140	2120		
		450	18600	8190	7710	6740	6070	5490	4410				
	210	063	18.0	17.5	17.5	17.5	17.5	17.5	16.9	14.6	12.6	10.6	
		080	88.3	72.9	69.0	61.1	56.0	52.3	46.1	39.8	34.4	28.7	
		110	229	153	145	128	117	109	96	82	70	55	
		140	484	414	392	346	317	295	258	219	180	132	
		180	1150	811	767	676	617	572	494	404	306	163	
		250	3410	2310	2180	1920	1740	1610	1370	1070	710		
		350	10100	6950	6570	5790	5280	4890	4210	3420	2530		
		450	18600	8350	7870	6910	6250	5740	4780				
	240	063	18.0	17.6	17.6	17.6	17.6	17.6	17.2	14.9	12.9	11.0	
		080	88.3	73.4	69.5	61.5	56.4	52.7	47.1	40.7	35.3	29.8	
		110	229	154	146	129	118	110	98	85	72	59	
		140	484	418	395	349	320	298	265	226	189	146	
		180	1450	1080	1020	900	820	770	680	570	460	320	
		250	3410	2330	2200	1940	1770	1640	1420	1150	830	360	
		350	10100	7040	6650	5870	5360	4980	4370	3610	2810	1690	
		450	18600	8450	7980	7020	6370	5880	5030	3900			
	270	063	18.0	17.7	17.7	17.7	17.7	17.7	17.5	15.1	13.2	11.2	
		080	88.3	73.8	69.9	61.8	56.7	53.0	47.8	41.5	36.0	30.6	
		110	229	155	147	130	119	111	100	86	74	61	
		140	484	420	398	352	322	301	270	232	196	156	
		180	1450	1090	1030	910	830	780	690	590	490	360	
		250	3410	2350	2220	1960	1790	1660	1460	1200	920	510	
		350	10100	7100	6710	5930	5420	5040	4490	3760	3010	2020	
		450	24300	14000	13200	11600	10600	9900	8700	7200	5600	3200	
	300	063	18.0	17.7	17.7	17.7	17.7	17.7	17.5	15.4	13.4	11.5	
		080	88.3	74.1	70.1	62.1	56.9	53.2	48.0	42.1	36.6	31.3	
		110	229	156	147	130	119	112	101	88	76	63	
		140	484	422	399	353	324	302	272	236	201	163	
		180	1450	1090	1030	910	840	780	700	600	500	390	
		250	3410	2360	2230	1970	1800	1670	1480	1250	980	620	
		350	10100	7140	6760	5970	5460	5090	4540	3870	3170	2270	
		450	24300	14100	13300	11700	10700	10000	8900	7500	5900	3900	
	330	063	18.0	17.8	17.8	17.8	17.8	17.8	17.6	15.5	13.6	11.6	
		080	88.3	74.3	70.3	62.2	57.1	53.4	48.2	42.6	37.1	31.8	
		110	229	156	148	131	120	112	101	89	77	65	
		140	484	423	401	355	325	304	273	240	206	169	

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

Output torque table

Index series

●RGIT (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	330	180	1450	1100	1040	920	840	790	710	610	520	410
		250	3410	2370	2240	1980	1810	1680	1500	1280	1030	710
		350	10100	7180	6790	6000	5490	5120	4580	3960	3290	2460
		450	24300	14100	13400	11800	10800	10000	9000	7700	6200	4300

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

Product specifications

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

Discontinue

Index series

●RGIT (4 dwells)

Cam curve/MS

D-363

●RGIT (4 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)									
				10	15	20	30	40	50	75	100	150	
36	300	250	7170	4810	4550	4170	3680	3360	3110	2580	2180	1520	Small Standard Wide angle Iable Small multi-index Flat Torque table Standard Torque table Option
		350	24900	18100	17100	15700	13800	12600	11800	9900	8500	6500	
		450	44000	20900	19700	18100	15900	14500	13400	11000	9100		
	330	063	132	87.5	82.8	76.0	67.3	61.7	57.7	49.7	44.3	37.6	
		080	279	236	223	205	181	166	156	134	120	101	
		110	687	482	456	419	371	340	318	273	243	204	
		140	1110	811	767	704	623	570	532	456	402	329	
		180	3510	2100	1980	1820	1610	1470	1370	1170	1020	810	
		250	7170	4870	4610	4230	3730	3410	3160	2660	2280	1660	
		350	24900	18300	17300	15900	14000	12800	12000	10200	8800	6900	
		450	44000	21100	20000	18300	16200	14700	13700	11400	9600		
		180	063	94.1	71.7	67.9	62.3	55.1	49.6	45.4	38.6	34.2	
080	168		104	98	90	80	72	66	55	49	40		
110	415		365	361	331	293	263	240	203	178	142		
140	877		568	537	492	434	388	352	290	244	165		
210	063	94.1	73.6	69.7	63.9	56.6	51.6	47.3	40.2	35.8	30.0		
	080	190	172	172	169	150	137	125	106	94	79		
	110	687	460	435	399	353	322	294	250	220	181		
	140	1110	771	729	668	591	537	490	410	355	271		
	180	2560	1590	1500	1380	1210	1100	1000	820	680	450		
	250	4990	3260	3080	2820	2470	2220	1990	1540	1160			
	350	23500	12300	11600	10700	9400	8500	7700	6200	5100			
	450	25700	17700	16700	15300	13400	12000	10800	8300	6200			
	240	063	94.1	74.9	70.9	65.1	57.6	52.8	48.7	41.5	36.9	31.1	
080		190	176	176	173	153	140	129	110	98	82		
110		687	470	445	408	361	331	305	259	229	190		
140		1110	789	746	684	605	554	509	428	374	295		
180		3510	2020	1920	1760	1550	1420	1300	1080	930	690		
250		7170	4720	4460	4090	3600	3270	2990	2430	2000	1220		
350		23300	14200	13400	12300	10800	9900	9000	7400	6300	4300		
450		44000	20400	19300	17700	15500	14100	12800	10200	8100			
270		063	94.1	75.9	71.8	65.9	58.3	53.5	49.8	42.5	37.9	32.0	
	080	190	178	178	176	155	142	133	113	101	85		
	110	687	477	452	414	367	336	313	266	236	197		
	140	1110	802	759	696	615	563	524	442	388	312		
	180	3510	2070	1960	1790	1580	1450	1340	1130	980	750		
	250	7170	4810	4550	4170	3680	3350	3100	2550	2140	1440		
	350	24900	18100	17100	15700	13800	12600	11700	9800	8400	6300		
	450	44000	20800	19700	18100	15900	14500	13300	10800	8900			
	300	063	94.1	76.6	72.5	66.5	58.9	54.0	50.5	43.3	38.6	32.7	
080		190	180	180	177	157	144	135	116	103	87		
110		687	483	457	419	371	340	318	272	242	203		
140		1110	812	768	705	623	571	533	454	400	326		
180		3510	2100	1990	1820	1610	1470	1370	1160	1020	800		
250		7170	4880	4620	4230	3730	3410	3160	2640	2250	1610		
350		24900	18300	17300	15900	14000	12800	12000	10100	8800	6800		
450		44000	21200	20000	18300	16200	14700	13600	11300	9400			
330		063	94.1	77.1	73.0	66.9	59.3	54.4	50.8	44.0	39.2	33.3	
	080	190	182	182	179	158	145	136	118	105	89		
	110	687	487	461	423	374	343	321	277	247	208		
	140	1110	819	775	711	629	576	538	463	409	336		
	180	3510	2120	2010	1840	1630	1490	1390	1190	1050	840		
	250	7170	4930	4670	4280	3780	3450	3210	2720	2340	1740		
	350	24900	18500	17500	16100	14200	13000	12100	10400	9000	7100		
	450	44000	21400	20300	18600	16400	14900	13900	11600	9900			

Output torque table

Index series

●RGIT (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	Wide angle	Table	Small multi-index	Flat	Torque table	Standard	Torque table	Option	Parallel cam unit	Torque table	Option	Parallel cam unit	Torque table	Option													
																48	150	063	69.4	53.5	50.7	46.5	41.0	36.6	33.5	28.4	25.1	20.6
																		080	168	104	98	90	80	71	65	55	48	38
																		110	256	228	227	223	197	175	160	134	115	87
																		140	531	466	460	421	370	328	297	241	197	116
																	180	063	69.4	55.1	52.1	47.8	42.3	38.3	35.1	29.8	26.4	22.0
																		080	168	107	101	93	82	75	68	58	51	42
																		110	415	379	375	343	304	275	252	213	187	151
																		140	877	589	557	511	451	407	370	307	262	187
																		180	1800	1280	1210	1100	970	870	790	630	510	280
250	4990	3280	3100	2830	2480	2210	1970	1510	1090																			
210	350	18000	7560	7150	6540	5730	5120	4580	3550	2650																		
	450	24000	14300	13500	12300	10700	9500	8400	6200	4200																		
	063	69.4	56.1	53.1	48.7	43.1	39.5	36.3	30.9	27.4	23.0																	
	080	168	109	103	95	84	77	71	60	53	44																	
	110	415	388	383	351	311	285	261	222	196	161																	
	140	877	603	571	523	462	423	386	323	279	212																	
	180	2560	1650	1560	1430	1260	1150	1050	870	730	510																	
	250	4990	3370	3180	2910	2560	2320	2090	1660	1290	580																	
	350	18000	7800	7370	6750	5930	5380	4870	3890	3090	1560																	
	450	25700	18400	17400	15900	14000	12600	11400	9000	7000	3000																	
240	063	69.4	56.7	53.7	49.3	43.6	40.0	37.2	31.6	28.2	23.7																	
	080	168	111	105	96	85	78	72	62	55	46																	
	110	415	394	389	357	316	289	269	228	203	168																	
	140	1110	808	765	701	620	568	527	444	390	312																	
	180	2560	1680	1590	1460	1290	1180	1090	910	780	580																	
	250	4990	3430	3240	2970	2610	2370	2180	1760	1430	820																	
	350	23500	13000	12300	11300	10000	9100	8400	6900	5900	4200																	
	450	25700	18800	17700	16200	14300	13000	11900	9600	7800	4400																	
	270	063	69.4	57.2	54.2	49.7	44.0	40.3	37.7	32.3	28.8	24.3																
		080	168	112	106	97	86	79	74	63	56	47																
110		415	398	393	361	319	293	274	234	208	174																	
140		1110	818	774	710	628	575	537	456	402	327																	
180		2560	1700	1610	1480	1310	1200	1110	940	810	620																	
250		4990	3470	3280	3010	2650	2420	2240	1840	1530	990																	
350		23500	13200	12500	11500	10100	9200	8600	7200	6200	4600																	
450		25700	19000	18000	16500	14500	13200	12200	10100	8400	5300																	
300		063	69.4	57.6	54.5	50.0	44.3	40.6	37.9	32.8	29.3	24.8																
		080	168	112	106	98	86	79	74	64	57	48																
	110	415	401	397	364	322	295	276	238	212	178																	
	140	1110	825	781	716	634	581	542	466	412	338																	
	180	2560	1720	1630	1500	1320	1210	1130	960	840	660																	
	250	4990	3510	3320	3040	2680	2440	2270	1900	1610	1120																	
	350	23500	13400	12600	11600	10200	9400	8700	7400	6400	4900																	
	450	25700	19200	18200	16700	14700	13400	12400	10400	8800	6100																	
	330	063	69.4	57.8	54.7	50.2	44.5	40.8	38.1	33.3	29.7	25.2																
		080	168	113	107	98	87	80	74	65	58	49																
110		415	403	399	366	324	297	278	242	215	181																	
140		1110	830	786	721	638	585	546	474	420	348																	
180		2560	1740	1640	1510	1330	1220	1140	980	860	690																	
250		4990	3530	3340	3060	2700	2470	2290	1950	1670	1210																	
350		23500	13500	12700	11700	10300	9500	8800	7600	6600	5200																	
450		25700	19400	18400	16800	14900	13600	12600	10700	9100	6600																	

Reducer series

●RGCT

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	Wide angle	Table	Small multi-index	Flat	Torque table	Parallel cam unit	Option	4	360	063	132	86.2	81.6	72.3	66.3	62.0	56.9	50.4	46.2	40.9
											080	190	177	177	168	154	144	132	117	107	95
											110	687	474	448	397	364	341	312	277	254	225
											140	1110	795	753	667	611	572	525	465	426	377
											180	3510	2050	1940	1720	1570	1470	1350	1200	1100	970
											250	7170	4770	4510	3990	3660	3430	3140	2780	2550	2260
											350	23300	14300	13500	12000	11000	10300	9400	8400	7700	6800
											450	44000	20700	19600	17300	15900	14900	13600	12100	11100	
Wide angle	Table	Small multi-index	Flat	Torque table	Parallel cam unit	Option	5	360	063	94.1	76.9	72.8	64.4	59.1	55.3	50.7	44.9	41.2	36.5		
									080	168	111	106	93	86	80	74	65	60	53		
									110	415	397	393	348	319	298	274	242	222	197		
									140	1110	816	773	684	628	587	538	477	437	387		
									180	2560	1700	1610	1430	1310	1220	1120	990	910	810		
									250	4990	3470	3280	2910	2670	2490	2290	2030	1860	1650		
									350	23500	13200	12500	11100	10100	9500	8700	7700	7100	6300		
									450	25700	19000	18000	15900	14600	13700	12500	11100	10200	9000		
Table	Small multi-index	Flat	Torque table	Parallel cam unit	Option	6	360	063	69.4	57.7	54.6	48.4	44.4	41.5	38.1	33.7	30.9	27.4			
								080	168	113	107	94	87	81	74	66	60	53			
								110	377	326	309	273	251	234	215	190	175	155			
								140	877	627	594	526	483	451	414	367	336	298			
								180	1800	1380	1300	1150	1060	990	910	800	740	650			
								250	4990	3520	3330	2950	2710	2530	2320	2060	1890	1670			
								350	18000	8200	7770	6880	6310	5900	5410	4790	4400	3890			
								450	24000	15500	14700	13000	11900	11100	10200	9000	8300	7400			
Table	Small multi-index	Flat	Torque table	Parallel cam unit	Option	8	360	063	132	89.9	85.1	75.3	69.1	64.6	59.3	52.5	48.2	42.6			
								080	279	244	231	205	188	175	161	143	131	116			
								110	687	499	472	418	383	359	329	291	267	237			
								140	1110	841	796	705	647	605	555	491	451	399			
								180	3510	2200	2080	1840	1690	1580	1450	1280	1180	1040			
								250	7170	5090	4810	4260	3910	3660	3360	2970	2730	2410			
								350	24900	19100	18100	16000	14700	13800	12600	11200	10200	9100			
								450	44000	22100	20900	18500	17000	15900	14600	12900	11900	10500			
Table	Small multi-index	Flat	Torque table	Parallel cam unit	Option	9	360	063	132	90.2	85.4	75.6	69.3	64.8	59.5	52.7	48.3	42.8			
								080	279	245	232	205	188	176	162	143	131	116			
								110	687	501	474	420	385	360	330	292	268	238			
								140	1110	844	799	708	649	607	557	493	453	401			
								180	3510	2210	2090	1850	1700	1590	1460	1290	1180	1050			
								250	7170	5110	4840	4280	3930	3680	3370	2990	2740	2420			
								350	24900	19200	18200	16100	14800	13800	12700	11200	10300	9100			
								450	44000	22200	21000	18600	17100	16000	14700	13000	11900	10500			
Table	Small multi-index	Flat	Torque table	Parallel cam unit	Option	10	360	063	94.1	79.0	74.8	66.2	60.7	56.8	52.1	46.1	42.3	37.5			
								080	190	188	188	178	163	153	140	124	114	101			
								110	687	502	475	421	386	361	331	293	269	238			
								140	1110	847	802	710	651	609	559	495	454	402			
								180	3510	2220	2100	1860	1700	1590	1460	1290	1190	1050			
								250	7170	5130	4860	4300	3940	3690	3380	3000	2750	2430			
								350	24900	19300	18300	16200	14800	13900	12700	11300	10300	9200			
								450	44000	22300	21100	18700	17200	16000	14700	13000	12000	10600			
Table	Small multi-index	Flat	Torque table	Parallel cam unit	Option	12	360	063	69.4	58.8	55.6	49.3	45.2	42.3	38.8	34.3	31.5	27.9			
								080	168	115	109	96	88	83	76	67	62	55			
								110	415	412	408	361	331	310	284	251	231	204			
								140	1110	850	805	713	654	612	561	497	456	403			

●RGCT

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
12	360	180	2560	1790	1690	1500	1380	1290	1180	1040	960	850
		250	4990	3620	3430	3040	2780	2600	2390	2120	1940	1720
		350	23500	13900	13100	11600	10700	10000	9100	8100	7400	6600
		450	25700	20000	18900	16800	15400	14400	13200	11700	10700	9500

Product specifications

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