

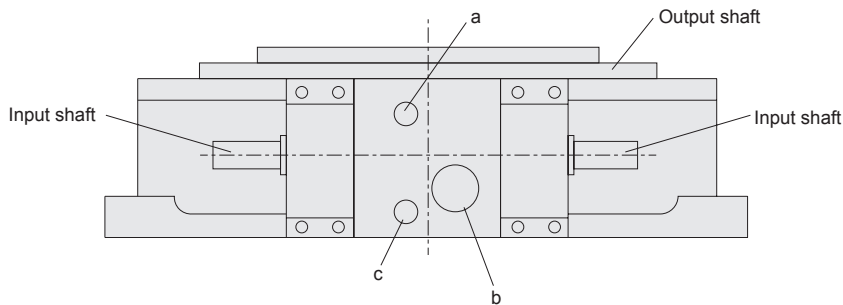
Common specifications



1. Installation specifications

(1) The output shaft is facing upward for standard version.

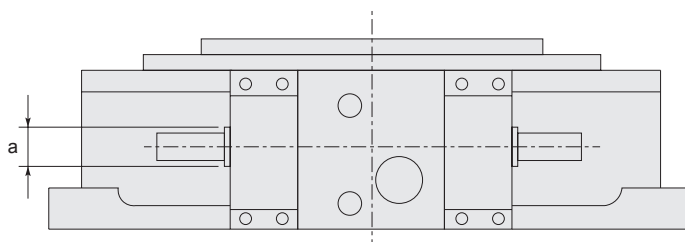
Position 1



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

2. Housing material/Fc

3. Diameter of the stepped section of the input shaft

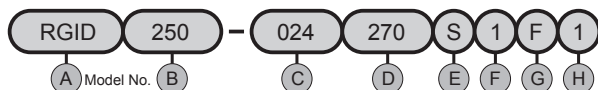


Dimensions	
Size	a
200	ø 25
250	ø 28



1. Standard units/Model No. table

Index series



B Shaft interval		C Index number (n)		D Total index angle (θt)		E Cam curve		F Cam helix direction/dwell No.		G Shape of the output shaft	H Installation position
200	200 mm	008	8	090	90°	S	MS curve	1	Left helix/1 dwell	F Flange	1 Position 1
250	250 mm	010	10	120	120°	C	MC curve	2	Left helix/2 dwell		
		012	12	150	150°	T	MT curve	5	Right helix/1 dwell		
		015	15	180	180°			6	Right helix/2 dwell		
		016	16	210	210°						
		018	18	240	240°						
		020	20	270	270°						
		024	24	300	300°						
		030	30	330	330°						
		032	32								
		036	36								
		040	40								
		048	48								
		060	60								
		064	64								
		072	72								
		080	80								

Left helix (standard) Right helix

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

Example of model No. (1)

RGID250-048240T2F1

Shaft interval..... 250 mm
 Index number..... 48
 Total index angle..... 240°
 Cam curve MT curve
 Cam helix direction and dwell number..... Left helix and 2 dwell
 Shape of the output shaft Flange
 Installation position..... Position 1

Product specifications

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

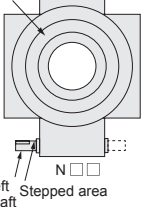
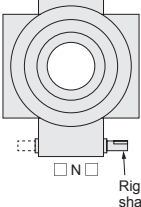
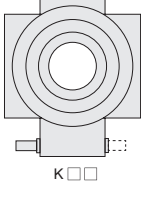
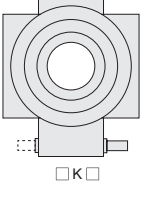
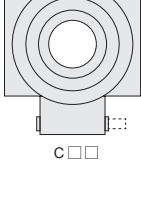
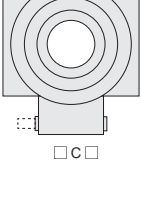
Flat

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

Index series

Product specifications



Input/Output shaft specification code		
I Input shaft specification code [left shaft]	J Input shaft specification code [right shaft]	K Output shaft specification code
N Output shaft  N □ □ Left shaft Stepped area	N  □ N □ Right shaft	N There is no flat output shaft option. □ □ N
K  K □ □ Left shaft Keyway	K  □ K □ Right shaft Keyway	
C  C □ □ Left shaft Cutoff	C  □ C □ Right shaft Cutoff	
N Standard (with keyway) K No keyway C Cutoff * This is cut off at the stepped spot. It will protrude from the housing. Check the dimensions with the diagram.		



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

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

Example of model No. (2)

RGID200-048150S2F1-NKN

Input shaft specification

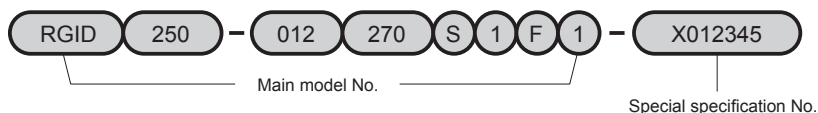
Left shaft: standard

Right shaft: no keyway

Output shaft specification

Standard

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



* Add -X [6 digit number] after the main model No. as the special specification number.

The special specification model number shall be determined after a consultation with the customer.

Options other than the standard are available upon request. Please provide CKD with the specifications.

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

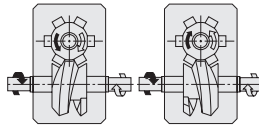
Roller gear cam drive	Compact
	Standard
	Table
	Wide angle
Flat	Compact multi-index
	Basic
Parallel cam drive	Linear
	Circular
Option	

Flat

1. Standard units/Model No. table

Reducer series

Product specifications		RGCD		250		- 024		360		R	L	F	1							
		A Model No.		B		C		D		E	F	G	H							
Compact		B Shaft interval		C Reduction ratio (id)		D Total index angle (θ_t)		E Cam curve		F Spiral direction of the cam		G Shape of the output shaft		H Installation position						
Standard		200	200 mm	008	1/8	360	360°	R	Constant velocity curve	L	Left helix	F	Flange	1	Position 1					
		250	250 mm	010	1/10					R	Right helix									
Table				012	1/12															
				015	1/15															
				016	1/16															
				018	1/18															
				020	1/20															
				024	1/24															
				030	1/30															
				032	1/32															
				036	1/36															
				040	1/40															
Wide angle																				
Compact multi-index																				
Flat																				
Basic																				
Parallel cam drive																				
Option																				



Left helix (standard)

Right helix

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



Example of model No. (1)

RGCD250-020360RLF1

Shaft interval.....250 mm
Reduction ratio 1/20
Total index angle.....360°
Cam curve Constant velocity rotation curve
Spiral direction of the cam Left helix
Shape of the output shaft Flange
Installation position Position 1

Product specifications

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

Difference between shafts: **200** mm

Flange shaft

Discontinue

Index

RG I D 200

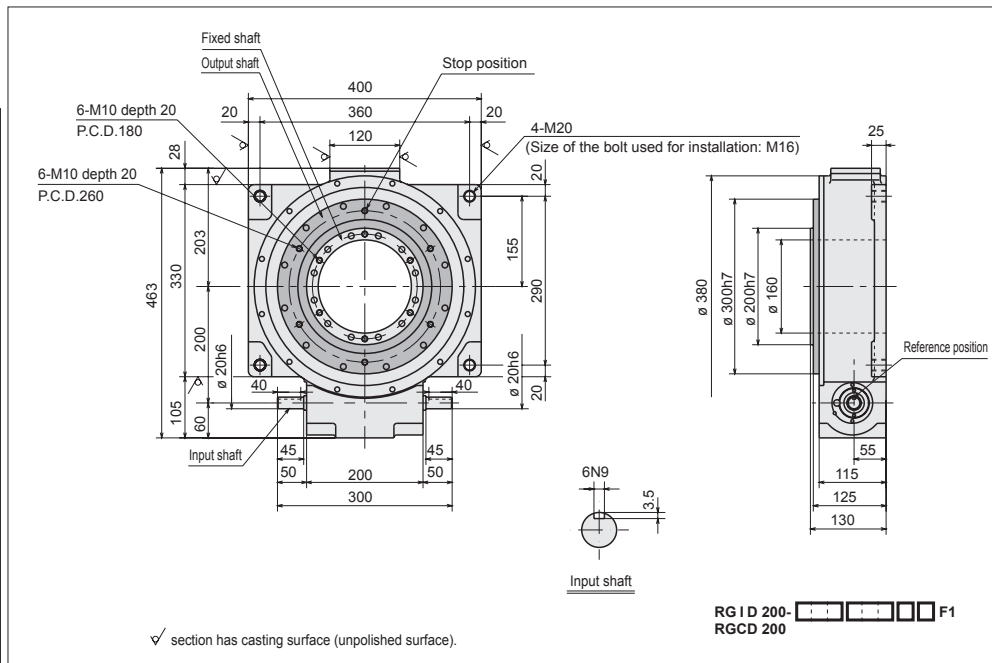
Reducer

RGCD 200

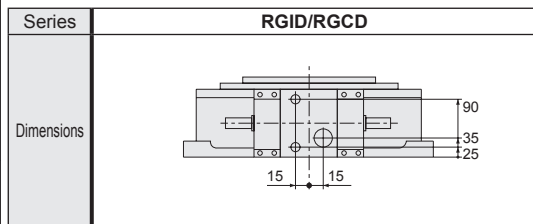
Flat

● Standard specifications

Dimensions



Position of oil drain/fill port



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



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	9600	2000
Allowable radial force	N	4000	1200
Allowable bending moment	N·m	700	-
Moment of inertia	kg·m ²	0.494	4.43×10^{-3}

Descriptions	Unit	Characteristics
Internal frictional torque (Tin)	N·m	15
Product weight	kg	70
Oil level	ℓ	1.1
Paint color		Silver

Accuracy

Accuracy (sec.)		
Non repeatability	1 dwell	± 30
	2 dwell	± 60
Repeatability		15

* For the dwell accuracy, please contact CKD.

List of index angles

Index series **RGID 200** Cam curve/MS

Total index angle (θt)		90	120	150	180	210	240	270	300	330
Index number (n)										
1 dwell	8								○	○
	10						○	○	○	○
	12					○	○	○	○	○
	15				○	○	○	○	○	○
	16			○	○	○	○	○	○	○
	18			○	○	○	○	○	○	○
	20		○	○	○	○	○	○	○	○
	24		○	○	○	○	○	○	○	○
	30	○	○	○	○	○	○	○	○	○
	32	○	○	○	○	○	○	○	○	○
2 dwell	36	○	○	○	○	○	○	○	○	○
	40	○	○	○	○	○	○	○	○	○
	48			○	○	○	○	○	○	○
	60			○	○	○	○	○	○	○
	64		○	○	○	○	○	○	○	○
	72		○	○	○	○	○	○	○	○
	80		○	○	○	○	○	○	○	○

Reducer series **RGCD 200**

Total index angle (θt)	360
Reduction ratio (id)	
1/8	○
1/10	○
1/12	○
1/15	○
1/16	○
1/18	○
1/20	○
1/24	○
1/30	○
1/32	○
1/36	○
1/40	○

Product specifications

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

Difference between shafts: **250** mm

Flange shaft

Discontinue

Index

RG I D 250

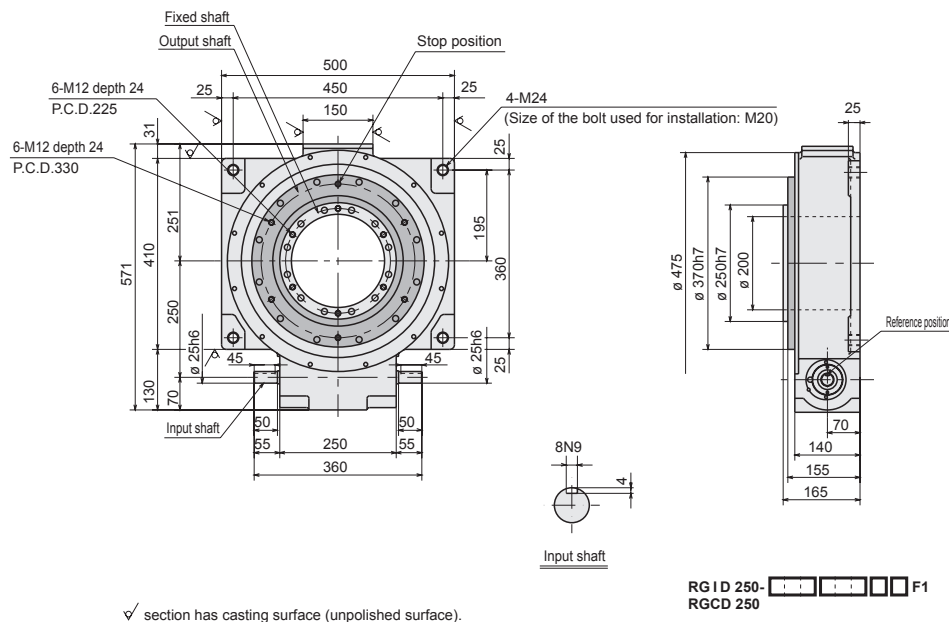
Reducer

RGCD 250

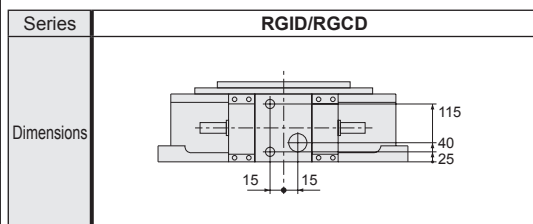
Flat

● Standard specifications

Dimensions



Position of oil drain/fill port



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



Characteristics

Descriptions	Unit	Characteristics	
		Output shaft	Input shaft
Allowable thrust force	N	23000	3200
Allowable radial force	N	9000	1700
Allowable bending moment	N·m	2500	-
Moment of inertia	kg·m ²	1.31	1.25×10^{-2}

Descriptions	Unit	Characteristics
Internal frictional torque (Tin)	N·m	25
Product weight	kg	130
Oil level	ℓ	2.2
Paint color		Silver

Accuracy

Accuracy (sec.)		
Non repeatability	1 dwell	± 30
	2 dwell	± 60
Repeatability		15

* For the dwell accuracy, please contact CKD.

List of index angles

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

Total index angle (θt)		90	120	150	180	210	240	270	300	330
Index number (n)										
1 dwell	8								○	○
	10						○	○	○	○
	12					○	○	○	○	○
	15				○	○	○	○	○	○
	16			○	○	○	○	○	○	○
	18			○	○	○	○	○	○	○
	20		○	○	○	○	○	○	○	○
	24		○	○	○	○	○	○	○	○
	30	○	○	○	○	○	○	○	○	○
	32	○	○	○	○	○	○	○	○	○
	36	○	○	○	○	○	○	○	○	○
2 dwell	40	○	○	○	○	○	○	○	○	○
	48			○	○	○	○	○	○	○
	60			○	○	○	○	○	○	○
	64		○	○	○	○	○	○	○	○
	72		○	○	○	○	○	○	○	○
	80		○	○	○	○	○	○	○	○

Reducer series **RGCD 250**

Total index angle (θt)	360
Reduction ratio (id)	
1/8	○
1/10	○
1/12	○
1/15	○
1/16	○
1/18	○
1/20	○
1/24	○
1/30	○
1/32	○
1/36	○
1/40	○

Product specifications

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

Discontinue

Output torque table

Index series

- RGID flange shaft (1 dwell)

Cam curve/MS

		Cam curve/MS																					
		Product specifications		Rated dynamic output torque (N·m)																			
				Input shaft rotational speed (rpm)																			
				20	40	60	80	100	120	150	200	250											
Compact	Standard	Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	Option	Linear	Circular Face and Flange drive	Index number	Total index angle (deg)	Size	Static rated output torque (N·m)									
		8	300	200	597	257	256	241	219	201	183	161	128	98									
			250	1190	663	660	621	562	515	468	408	321	236										
		330	200	646	427	427	425	416	387	359	323	276	236										
			250	1290	854	851	838	763	706	652	580	481	393										
		10	240	200	425	225	224	210	190	171	155	133	100	66									
			250	806	506	503	497	481	432	388	330	240	148										
		270	200	597	275	275	258	235	216	197	173	140	108										
			250	806	542	539	535	520	476	432	375	292	211										
		300	200	597	291	290	274	249	231	213	189	157	128										
			250	806	573	570	567	552	509	469	413	334	260										
		330	200	597	305	304	287	262	243	227	203	171	144										
			250	1190	784	783	738	672	623	581	519	434	360										
		12	210	200	597	265	264	247	224	201	182	157	120	83									
			250	1290	831	827	812	735	663	602	523	406	293										
		240	200	646	448	447	445	436	402	370	331	280	235										
			250	1290	894	891	877	797	732	670	592	482	381										
		270	200	646	475	474	472	463	430	399	360	309	266										
			250	1290	947	945	931	848	786	726	648	542	449										
		300	200	950	650	650	614	562	523	492	446	388	342										
			250	2120	1210	1200	1140	1040	970	900	810	700	600										
		330	200	950	675	674	637	583	544	513	469	410	365										
			250	2120	1250	1250	1180	1080	1000	940	860	740	650										
		15	180	200	597	275	274	257	232	208	188	161	121	82									
			250	806	541	537	531	512	456	408	343	241	136										
		210	200	597	298	297	280	254	232	212	186	150	116										
			250	806	586	583	578	562	512	464	403	312	223										
		240	200	597	316	315	297	271	251	231	206	171	140										
			250	1190	814	812	784	695	643	592	525	432	348										
		270	200	597	331	330	312	284	264	247	222	188	159										
			250	1190	851	849	801	730	677	633	566	477	398										
		300	200	646	538	537	536	526	491	462	423	370	328										
			250	1290	1070	1070	1060	970	900	840	770	660	580										
		330	200	646	553	552	552	541	505	476	441	387	346										
			250	1290	1100	1100	1090	990	930	870	800	700	610										
		16	150	200	425	225	223	208	183	162	143	117	73	28									
			250	745	321	316	290	248	210	173	118												
		180	200	425	250	249	233	210	189	170	146	109	73										
			250	806	560	557	550	532	476	428	363	213	161										
		210	200	597	307	306	288	262	241	220	194	158	124										
			250	806	603	601	596	580	531	483	421	331	245										
		240	200	597	324	324	305	278	258	239	213	178	148										
			250	1190	835	832	784	714	661	611	544	451	368										
		270	200	597	338	338	319	291	270	253	228	194	166										
			250	1190	870	868	819	747	693	649	583	493	416										
		300	200	597	349	349	329	301	280	263	240	207	180										
			250	1190	897	896	846	773	718	674	615	527	454										
		330	200	597	358	357	338	309	288	271	250	217	191										
			250	1290	1120	1120	1100	1010	940	890	820	710	630										
		18	150	200	318	181	180	167	148	130	114	92	40	15									
			250	745	344	339	313	272	234	198	145	52											
		180	200	425	265	264	248	224	203	184	160	114	89										
			250	745	378	374	349	312	276	244	198	123											

● RGD flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N-m)	Rated dynamic output torque (N-m)									
				Input shaft rotational speed (rpm)									
				20	40	60	80	100	120	150	200	250	
18	210	200	425	283	282	265	241	223	204	180	147	117	
		250	806	633	631	627	611	563	514	453	364	281	
	240	200	597	338	337	318	290	269	251	225	191	161	
		250	806	664	662	659	644	596	554	493	410	336	
	270	200	597	350	350	330	302	280	263	239	205	177	
		250	806	688	686	684	669	621	581	525	445	376	
	300	200	597	360	359	339	310	289	272	250	217	190	
		250	1190	925	923	872	797	741	697	640	552	480	
	330	200	597	367	367	347	317	296	278	258	226	200	
		250	1190	944	943	891	815	759	714	660	577	507	
	20	120	200	126	78	76	72	65	57	47	30		
			250	531	281	274	248	205	165	126	65		
150		200	318	192	190	177	158	140	124	102	67	29	
		250	745	364	359	333	293	254	219	168	80		
180		200	318	208	207	194	176	159	144	124	94	64	
		250	745	395	392	366	329	295	262	217	146	70	
210		200	425	294	293	276	251	232	214	191	158	118	
		250	745	419	417	391	353	323	293	252	189	127	
240		200	425	306	305	288	263	244	228	205	174	147	
		250	806	685	684	681	665	617	577	516	433	361	
270		200	425	315	315	297	272	252	237	216	186	160	
		250	806	706	705	703	688	639	599	546	466	398	
300		200	597	368	368	347	318	296	279	258	224	198	
		250	806	722	721	719	705	656	616	568	491	426	
330		200	597	375	374	354	324	302	284	264	233	207	
		250	806	735	734	733	718	669	630	582	511	449	
24	120	200	646	448	446	442	423	381	346	302	237	175	
		250	1290	893	888	868	769	685	614	519	370	218	
	150	200	950	650	649	612	558	509	469	420	354	297	
		250	2120	1210	1200	1130	1030	930	850	750	610	480	
	180	200	1030	846	845	835	763	711	658	596	518	455	
		250	2120	1290	1290	1210	1110	1030	940	850	710	600	
	210	200	1030	885	885	874	800	746	701	638	559	498	
		250	2650	1760	1760	1660	1520	1410	1330	1200	1040	910	
	240	200	1030	914	913	902	826	771	728	669	590	530	
		250	2650	1810	1810	1710	1570	1460	1380	1260	1100	980	
	270	200	1030	935	934	923	846	790	746	694	614	554	
		250	2650	1860	1850	1750	1610	1500	1410	1310	1150	1030	
	300	200	1690	1160	1160	1090	1000	940	890	830	740	670	
		250	2650	1890	1890	1780	1630	1520	1440	1340	1190	1070	
	330	200	1690	1170	1170	1110	1020	950	900	840	760	690	
		250	2650	1910	1910	1810	1660	1550	1460	1360	1220	1110	
30	90	200	597	275	272	251	217	190	165	130	70	5	
		250	806	540	532	515	474	408	346	256	98		
	120	200	597	316	314	295	265	237	215	185	139	94	
		250	1190	813	809	758	679	607	546	466	341	216	
	150	200	646	538	537	535	524	483	446	400	341	290	
		250	1290	1070	1070	1050	960	880	810	720	590	480	
	180	200	646	565	564	563	552	514	480	435	377	330	
		250	1290	1130	1120	1110	1010	940	870	790	670	570	
	210	200	646	583	583	582	571	532	502	459	402	357	
		250	1290	1160	1160	1150	1050	970	920	830	720	630	
	240	200	950	781	780	738	676	631	596	553	488	439	
		250	2120	1450	1440	1370	1250	1160	1100	1020	890	790	

Product specifications

Compact

Standard

Table

Wide angle

Compact multi-index

Flat

Basic

Parallel cam drive

Pick and Place

Linear

Circular

Option

Output torque table

Index series

● RGID flange shaft (1 dwell)

Cam curve/MS

Product specifications			Cam curve/MS																	
			Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)													
							Input shaft rotational speed (rpm)													
							20	40	60	80	100	120	150	200	250					
Compact	Standard	Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	30	200	950	793	793	750	687	642	606	564	504	455	
									270	250	2120	1470	1470	1390	1270	1190	1120	1040	920	830
									300	200	950	802	802	759	695	650	614	572	517	468
									250	2120	1490	1480	1400	1290	1200	1130	1050	950	850	
									330	200	950	809	809	766	702	656	620	578	527	479
									250	2120	1500	1500	1420	1300	1210	1140	1070	970	880	
Standard	Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive		32	90	200	597	285	282	262	227	199	174	140	82	19
									250	806	559	552	537	497	430	369	280	127		
									120	200	597	324	323	303	273	245	222	192	148	104
									250	1190	834	830	778	700	627	566	486	364	243	
									150	200	597	349	348	328	298	275	252	224	185	149
									250	1290	1090	1090	1070	980	900	830	740	610	500	
Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	36	180	200	646	573	572	571	560	522	489	443	385	339		
							250	1290	1140	1140	1120	1030	950	890	800	690	590			
							210	200	646	590	589	589	578	539	508	467	409	364		
							250	1290	1180	1170	1160	1060	990	930	850	730	640			
							240	200	646	602	601	601	590	550	519	483	426	383		
							250	1290	1200	1200	1180	1080	1010	950	880	770	680			
Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	36	270	200	646	610	610	609	599	559	528	491	440	397		
							250	1290	1220	1210	1200	1100	1020	970	900	800	710			
							300	200	950	807	807	763	700	654	618	576	522	474		
							250	1290	1230	1230	1210	1110	1040	980	910	820	740			
							330	200	950	813	813	770	705	659	623	581	530	484		
							250	2120	1510	1510	1420	1300	1220	1150	1070	970	880			
Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	36	90	200	425	264	262	244	212	187	164	110	81	25		
							250	745	377	370	339	286	240	196	129					
							120	200	597	338	337	316	287	259	236	206	162	121		
							250	806	663	660	653	634	569	514	442	333	225			
							150	200	597	360	359	338	308	285	263	234	196	161		
							250	1190	924	922	869	790	731	672	597	493	400			
Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	36	180	200	597	373	373	352	321	299	280	253	216	186		
							250	1190	959	957	904	824	765	718	646	550	467			
							210	200	597	382	382	361	330	307	289	266	231	202		
							250	1290	1200	1190	1180	1080	1000	950	870	760	670			
							240	200	646	610	610	609	598	558	527	491	436	393		
							250	1290	1220	1210	1200	1100	1020	960	890	790	700			
Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	36	270	200	646	617	617	616	606	565	534	498	449	405		
							250	1290	1230	1230	1210	1110	1040	980	910	810	730			
							300	200	646	622	622	622	611	571	539	503	458	416		
							250	1290	1240	1240	1220	1120	1050	990	920	830	750			
							330	200	646	626	626	626	615	574	543	507	462	424		
							250	1290	1250	1250	1230	1130	1050	1000	930	840	770			
Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	36	90	200	318	208	206	191	167	146	127	100	56	7		
							250	745	394	388	358	306	260	218	154	40				
							120	200	425	306	305	286	260	236	214	188	148	111		
							250	806	685	681	676	656	594	539	468	362	259			
							150	200	597	368	367	346	316	293	271	243	205	171		
							250	806	722	720	716	699	647	597	531	438	355			
Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	36	180	200	597	380	379	358	327	304	286	260	223	194		
							250	806	745	743	741	725	673	631	571	485	412			
							210	200	597	387	387	366	334	312	293	271	236	208		
							250	806	760	759	757	742	690	649	598	517	450			
							240	200	597	393	392	371	339	317	298	277	246	219		
							250	1190	1008	1007	952	871	812	765	709	628	557			

- RIGID flange shaft (1 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				20	40	60	80	100	120	150	200	250
40	270	200	597	396	396	375	343	320	302	281	253	227
		250	1190	1017	1017	961	880	821	774	719	647	578
	300	200	597	399	399	377	346	323	305	283	257	233
		250	1190	1024	1024	968	887	828	781	727	658	595
	330	200	597	401	401	379	348	325	307	286	259	238
		250	1190	1030	1029	974	892	833	786	732	664	608

Product specifications

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

Output torque table

Index series

● RGID flange shaft (2 dwell)

Cam curve/MS

Cam curve/MS																										
Product specifications		Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)																				
						Input shaft rotational speed (rpm)																				
						10	20	30	40	50	60	75	100	125												
Compact	Standard	Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	Circular	Pack and Pico drive	Option	72	48	150	200	597	316	316	298	272	252	236	211	179	150		
													250	1190	814	812	766	698	647	604	540	453	377			
													180	200	950	695	695	657	602	561	529	489	430	384		
													250	2120	1290	1290	1220	1110	1040	980	900	780	690			
													210	200	1030	885	885	875	801	748	707	659	588	532		
													250	2650	1760	1760	1660	1520	1420	1340	1250	1110	990			
													240	200	1030	914	913	903	828	773	731	682	618	561		
													250	2650	1810	1810	1720	1570	1470	1390	1290	1170	1050			
													270	200	1030	935	935	924	847	791	748	698	637	583		
													250	2650	1860	1860	1760	1610	1500	1420	1320	1200	1100			
													300	200	1690	1160	1160	1100	1000	940	890	830	760	700		
													250	2650	1890	1890	1790	1640	1530	1450	1350	1230	1130			
Wide angle	Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	Circular	Pack and Pico drive	Option	72		60	150	200	1690	1170	1170	1110	1020	950	900	840	770	720		
													250	2650	1910	1910	1810	1660	1550	1470	1370	1250	1160			
													180	200	646	538	537	536	526	491	462	423	370	328		
													250	1290	1070	1070	1060	970	900	840	770	660	580			
													210	200	646	565	565	564	554	517	488	453	401	360		
													250	1290	1130	1130	1110	1020	950	890	830	730	640			
													240	200	950	764	763	722	662	618	584	544	491	445		
													250	1290	1160	1160	1150	1050	980	920	860	770	690			
													270	200	950	781	781	739	677	633	598	558	508	464		
													250	2120	1450	1450	1370	1250	1170	1110	1030	930	850			
													300	200	950	793	793	750	688	643	608	567	518	479		
													250	2120	1470	1470	1390	1270	1190	1120	1050	950	880			
Basic	Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	Circular	Pack and Pico drive	Option	72		64	150	200	950	802	802	759	696	651	615	575	525	488		
													250	2120	1490	1480	1410	1290	1200	1140	1060	970	900			
													180	200	950	809	809	766	702	656	621	580	530	494		
													250	2120	1500	1500	1420	1300	1210	1150	1070	980	910			
													210	200	425	284	284	267	243	225	208	185	154	125		
													250	806	637	635	632	616	569	525	465	381	305			
													150	200	646	548	548	547	537	500	472	433	379	337		
													250	1290	1090	1090	1080	980	920	860	790	680	600			
													180	200	646	573	573	572	562	524	495	461	409	368		
													250	1290	1140	1140	1130	1030	960	910	840	740	660			
													210	200	646	590	590	589	579	541	511	476	431	389		
													250	1290	1180	1170	1160	1060	990	940	870	780	700			
Option	Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	Circular	Pack and Pico drive	Option	72		72	120	200	646	602	602	601	591	552	522	487	443	405		
													250	1290	1200	1200	1180	1080	1010	960	890	810	730			
													150	200	950	799	799	756	693	648	613	572	522	484		
													250	1290	1220	1210	1200	1100	1030	970	910	820	760			
													180	200	950	807	807	764	700	655	619	578	528	492		
													250	1290	1230	1230	1210	1110	1040	980	920	830	770			
													210	200	950	813	813	770	706	660	624	583	533	497		
													250	1290	1240	1240	1220	1120	1050	990	920	840	780			
													240	200	597	338	337	318	290	269	251	225	191	161		
													250	806	664	662	659	644	596	554	493	410	336			
													150	200	597	360	359	339	310	289	272	250	217	190		
													250	1190	925	923	872	797	741	697	640	552	480			
Option	Table	Wide angle	Compact multi-index	Flat	Basic	Parallel cam drive	Circular	Pack and Pico drive	Option	72		72	120	200	597	373	373	353	323	301	284	263	234	208		
													250	1190	959	959	906	829	772	728	674	597	529			
													180	200	646	600	600	600	589	550	520	485	441	400		
													250	1290	1200	1200	1180	1080	1010	950	890	800	720			
													210	200	646	610	610	610	599	560	529	494	450	414		
													250	1290	1220	1210	1200	1100	1030	970	900	820	750			

● RGD flange shaft (2 dwell)

Cam curve/MS

Index number	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)								
				Input shaft rotational speed (rpm)								
				10	20	30	40	50	60	75	100	125
72	270	200	646	617	617	617	606	567	536	500	457	424
		250	1290	1230	1230	1210	1110	1040	980	920	830	770
	300	200	646	622	622	622	611	571	541	505	461	429
		250	1290	1240	1240	1220	1120	1050	990	930	840	780
	330	200	646	626	626	626	615	575	544	508	465	433
		250	1290	1250	1250	1230	1130	1060	1000	930	850	790
80	120	200	425	306	305	288	263	244	228	205	174	147
		250	806	685	684	681	665	617	577	516	433	361
	150	200	597	368	368	347	318	296	279	258	224	198
		250	806	722	721	719	705	656	616	568	491	426
	180	200	597	380	380	359	329	306	289	268	240	214
		250	806	745	744	743	729	679	640	593	527	467
	210	200	597	387	387	366	336	313	296	275	249	226
		250	806	760	759	758	745	695	655	609	549	495
	240	200	597	393	392	371	340	318	300	280	254	234
		250	1190	1010	1010	950	870	820	770	720	650	600
	270	200	597	396	396	375	344	321	303	283	258	239
		250	1190	1020	1020	960	880	820	780	730	660	610
	300	200	597	399	399	378	346	323	306	285	260	241
		250	1190	1020	1020	970	890	830	780	730	670	620
	330	200	597	401	401	380	348	325	308	287	262	243
		250	1190	1030	1030	970	890	830	790	740	670	620

Product specifications

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

Output torque table

Reducer series

● RGCD flange shaft

Cam curve/CV

Product specifications			Cam curve/CV											
			Reduction ratio	Total index angle (deg)	Size	Static rated output torque (N·m)	Rated dynamic output torque (N·m)							
							Input shaft rotational speed (rpm)							
							20	40	60	80	100	120	150	200
Roller gear cam drive	Compact	8	360	200	646	556	556	556	547	512	484	453	416	389
			250	1290	1110	1110	1100	1010	940	890	830	760	710	
	Standard	10	360	200	646	584	584	584	574	537	509	476	436	408
			250	1290	1160	1160	1150	1060	990	930	870	800	750	
	Table	12	360	200	1030	958	958	947	869	813	769	720	660	617
			250	2120	1460	1460	1380	1270	1180	1120	1050	960	900	
	Wide angle	15	360	200	646	616	616	616	606	567	536	502	460	430
			250	1290	1230	1230	1210	1110	1040	990	920	850	790	
	Compact multi-index	16	360	200	646	619	619	619	609	570	539	504	463	433
			250	1290	1230	1230	1220	1120	1050	990	930	850	790	
	Basic	18	360	200	597	398	398	377	346	323	306	286	262	245
			250	1190	1021	1021	967	887	830	785	735	674	630	
Flat	20	360	200	597	400	400	379	348	325	308	288	264	247	
		250	806	785	785	785	772	722	683	639	586	548		
Parallel cam drive	24	360	200	1690	1230	1230	1160	1070	1000	950	880	810	760	
		250	2650	2000	2000	1900	1740	1630	1540	1440	1320	1240		
Option	30	360	200	950	835	835	791	725	678	642	601	551	515	
		250	1290	1270	1270	1260	1150	1080	1020	950	870	820		
	32	360	200	646	639	639	639	628	587	556	520	477	446	
		250	1290	1270	1270	1260	1150	1080	1020	960	880	820		
	36	360	200	597	408	408	386	354	331	314	293	269	252	
		250	1190	1047	1047	991	909	850	805	753	690	646		
	40	360	200	597	408	408	387	355	332	314	294	269	252	
		250	806	801	801	801	787	736	697	652	598	559		