

Servo Cam Drive
CS Series
CF Series
CFS Series
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Complex Type Index
PP Series
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CHD CAD 40ATC
Torque Limiter
Option

ROLLER GEAR OSCILLATING DRIVES

E, EF 출력 TORQUE 표

CAM 곡선 : MS곡선

축간거리 60~300

등분수	할부각	기종	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)								마찰 Torque (kgf.m)
				입 력 축 회 전 수 (r.p.m)								
				20	40	60	80	100	120	150	200	
90	180°	60E/EF	10.72	3.53	2.96	2.72	2.49	2.33	2.21	2.06	1.89	0.30
		70E/EF	14.65	5.30	4.44	4.07	3.74	3.50	3.30	3.10	2.84	0.46
		80E/EF	23.87	8.32	6.97	6.40	5.87	5.49	5.20	4.86	4.46	0.75
		110E/EF	60.72	21.32	17.88	16.40	15.04	14.07	13.32	12.46	11.43	1.44
		140E/EF	93.01	29.98	25.13	23.05	21.15	19.78	18.72	17.51	16.06	1.99
		180E/EF	238.55	83.61	70.09	64.29	58.98	55.16	52.22	48.84	44.80	4.16
		250EF	549.95	204.53	171.46	157.28	144.28	134.94	127.76	119.48	109.60	7.38
		300EF	875.40	297.70	249.60	228.90	210.00	196.40	186.00	173.90		10.60

ROLLER GEAR INDEX DRIVES

CA SERIES

Model

70CA

90CA

110CA

150CA

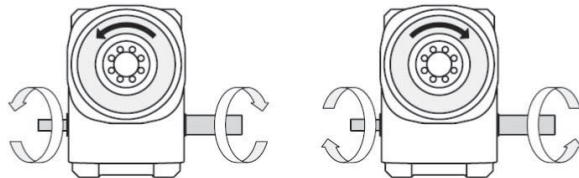
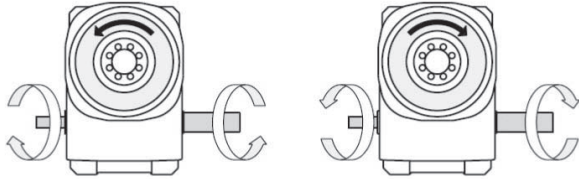
190CA

230CA

330CA

450CA

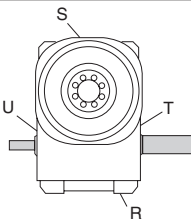
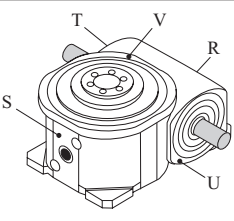
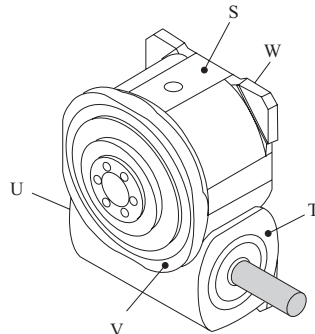
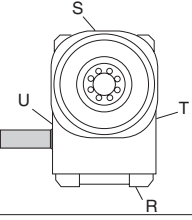
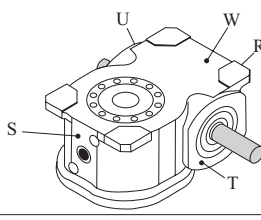
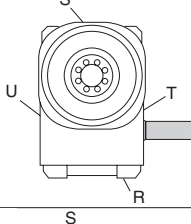
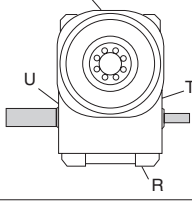
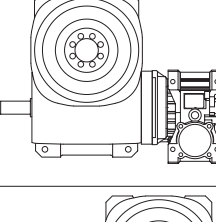
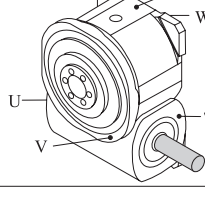
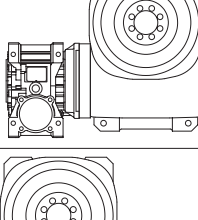
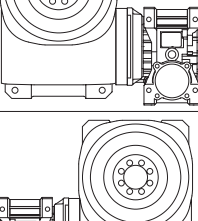
ROLLER GEAR DRIVES 제품 CODE 기입방법

SIZE	형식	등분수	할부각	-회전 방향		출력축 형식		적용 곡선		
150	CA	4	270°	-1R		P		1		
70	CA :TABLE TYPE INDEX DRIVE	2	120°	1R	우방향1DWELL	P	일반사양	7:YMS3곡선		
90		3	150°	2R	우방향2DWELL	J	특주사양	8:YMCV3곡선		
110		4	180°			T	토르크리미터사양			
150		5	210°							
190		6	240°	1L	좌방향1DWELL					
230		8	270°	2L	좌방향2DWELL					
330		10	300°	R(우방향)TYPE						
450		12	330°							
		16								
		16~32 (2DWELL)	L(좌방향)TYPE							
										

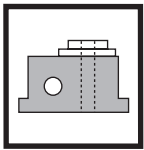
형번 기입 예
150CA04270-1RP1-S1-1VW

축간 거리 : 150 mm
등분수 : 4 등분
할부각 : 270°
회전방향-DWELL수 : R방향, 1DWELL
출력축 형식 : 표준
적용 곡선 : MS 곡선
입력축 형식 : 표준
부착 자세 : 1번
부착용 가공 : VW

ROLLER GEAR DRIVES 제품 CODE 기입방법

-입력축 형태	-부착 자세	부착용 HOLE가공	특별사양
-S1	-1	VW	/OP
1	1		◆ 옵션 Page □ 참조
2	2		
3	3		
4	4		
M1	5	◇ 70CA~230CA : V면 - TAP가공 : W면 - HOLE가공 ◇ 330CA~450CA : R, V, W면 TAP 가공 ※ 자세한 치수와 PCD는 해당모델을 참조하시길 바랍니다.	
M2	6		
M3			
M4			

주의 : OPTION 사양을 지정한 경우는 제작사에 따라 다르므로 반드시 당사에 협의하여 주시기 바랍니다.

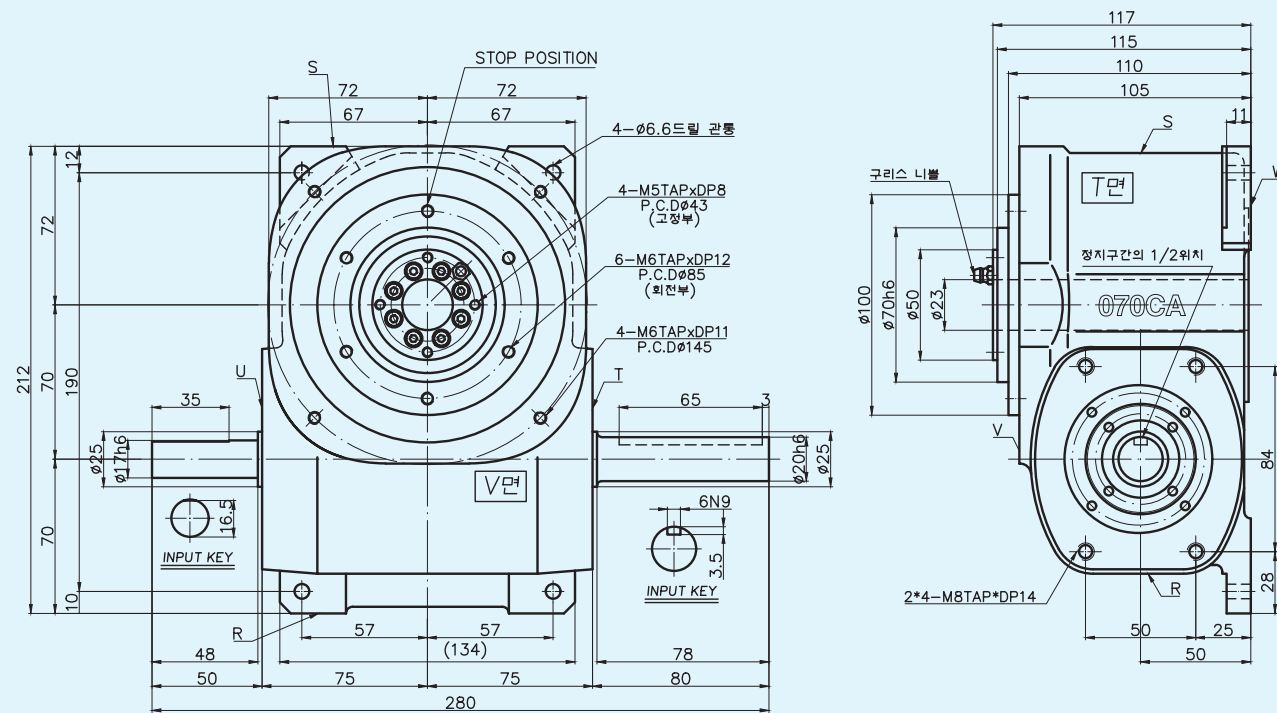


Advanced type

축간거리 : 70mm

Model **70 CA**

외 관 도



평면도기준

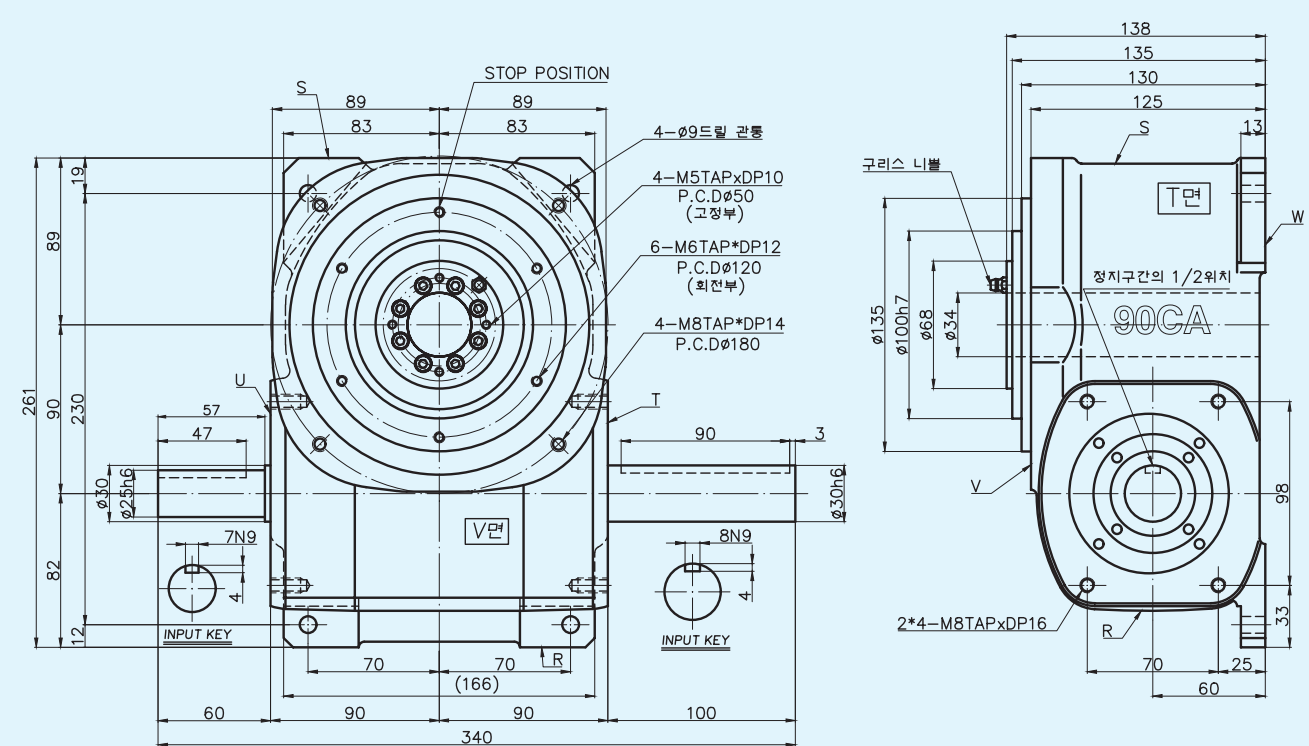
도번 : 70CA - □□□□

Advanced type

축간거리 : 90mm

Model **90 CA**

외 관 도



평면도기준

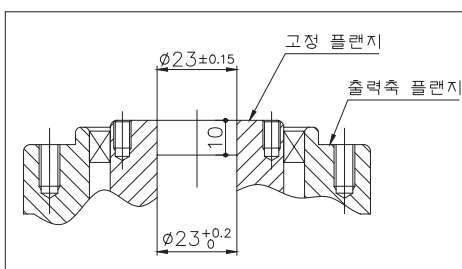
도번 : 90CA - □□□□

부착위치에 따른 급·배유구, 유면게 위치

● : 배유구 PT1/4
○ : 급유구 PT1/4
● : 유면게

부착	1	2	3	4	5	6
위치						
주입량 (리터)	0.4	0.7			0.8	

출력 고정 플랜지부 상세



제품 특성표

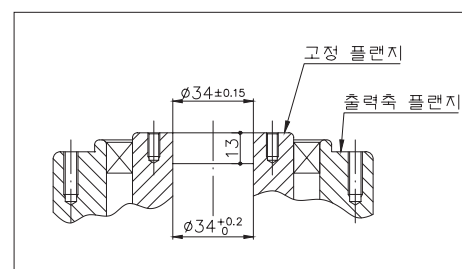
항 목	단 위	수 치	항 목	단 위	수 치
출력축 축방향 허용하중	kgf	310	분할정도 (1 DWELL)	Sec ()	± 30
출력축 축직각 허용하중	kgf	140	분할정도 (2 DWELL)	Sec ()	± 60
출력축 허용굽힘 모멘트	kgf.m	3.3	반복정도	Sec ()	30
입력축 축방향 허용하중	kgf	180	제품무게(감속기 제외)	kg	15
입력축 허용굽힘하중	kgf	160	동정격출력	-	동정격출력표 참조
입력축 허용 토크	kgf.m	9.4	외형 COLOR	-	흑화색(함마톤)

부착위치에 따른 급·배유구, 유면게 위치

● : 배유구 PT3/8
○ : 급유구 PT3/8
● : 유면게

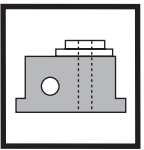
부착	1	2	3	4	5	6
위치						
주입량 (리터)	0.5	0.9			1.0	

출력 고정 플랜지부 상세



제품 특성표

항 목	단 위	수 치	항 목	단 위	수 치
출력축 축방향 허용하중	kgf	490	분할정도 (1 DWELL)	Sec ()	± 30
출력축 축직각 허용하중	kgf	210	분할정도 (2 DWELL)	Sec ()	± 60
출력축 허용굽힘 모멘트	kgf.m	9	반복정도	Sec ()	30
입력축 축방향 허용하중	kgf	250	제품무게(감속기 제외)	kg	25
입력축 허용굽힘하중	kgf	250	동정격출력	-	동정격출력표 참조
입력축 허용 토크	kgf.m	20	외형 COLOR	-	흑화색(함마톤)

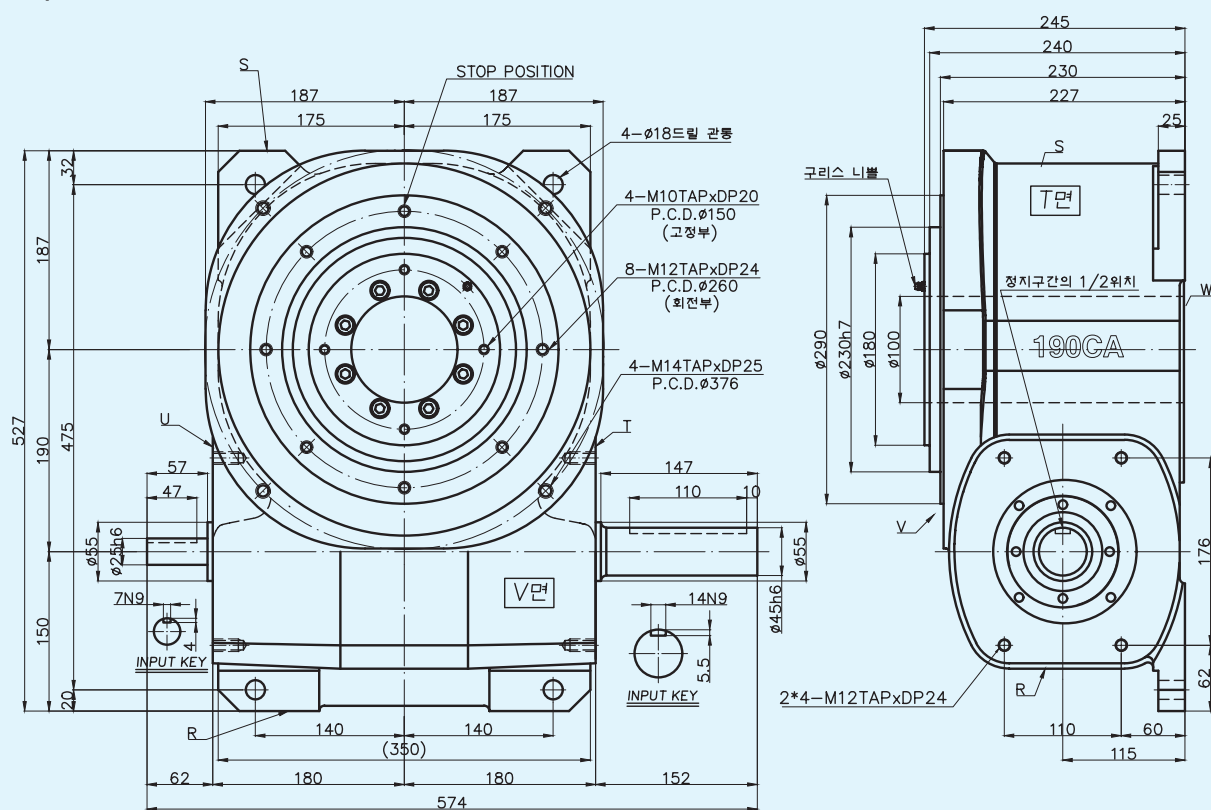


Advanced type

축간거리 : 190mm

Model **190 CA**

외관도

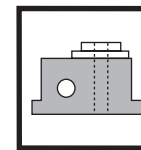


평면도기준

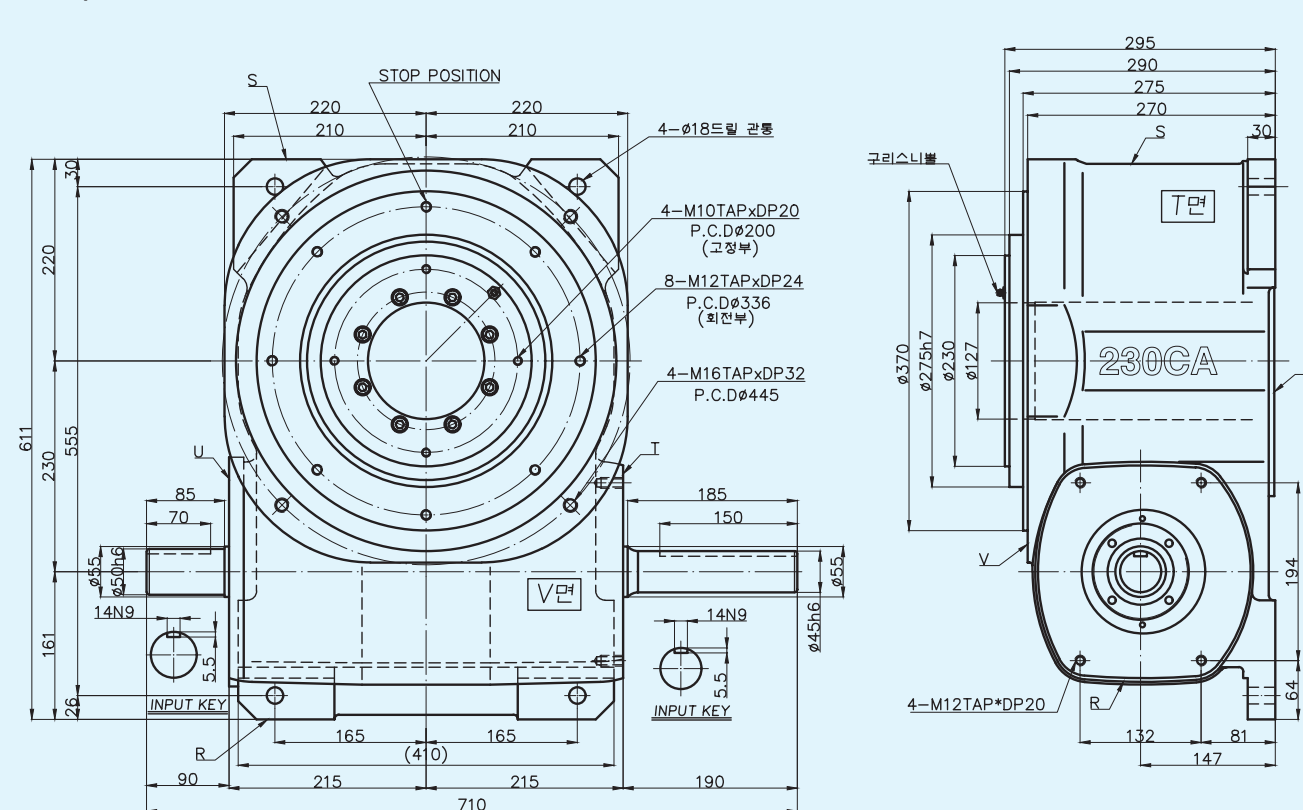
도번 : 190CA -

Advanced type

축간거리 : 230mm

Model **230 CA**

외관도



평면도기준

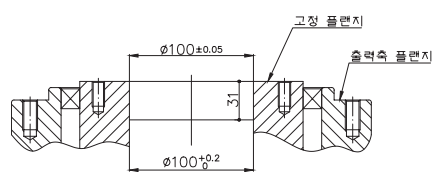
도번 : 230CA -

부착위치에 따른 급·배유구, 유면계 위치

● : 배유구 PT1/2 ● : 유면계
 ○ : 급유구 PT1/2

부착	1	2	3	4	5	6
위치						
주입량 (리터)	2.2	3			3.3	

출력 고정 플랜지부 상세



제품 특성표

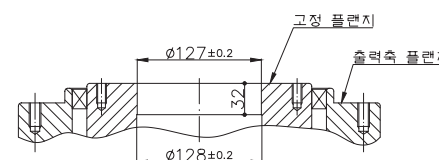
항 목	단 위	수 치	항 목	단 위	수 치
출력축 추방향 허용하중	kgf	1,835	분할정도 (1 DWELL)	Sec ()	±30
출력축 축직각 허용하중	kgf	917	분할정도 (2 DWELL)	Sec ()	±60
출력축 허용굽힘 모멘트	kgf.m	61	반복정도	Sec ()	30
입력축 추방향 허용하중	kgf	510	제품무게(감속기 제외)	kg	180
입력축 허용굽힘하중	kgf	510	동정격출력	-	동정격출력표 참조
입력축 허용 토크	kgf.m	61	외형 COLOR	-	흑색(선택마운트)

부착위치에 따른 급·배유구, 유면계 위치

● : 배유구 PT3/4 ● : 유면계
○ : 급유구 PT3/4

부착	1	2	3	4	5	6
위치						
주입량 (리터)	10	12			13	

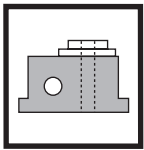
출력 고정 플랜지부 상세



제품 특성표

항 목	단 위	수 치	항 목	단 위	수 치
출력축 추방향 허용하중	kgf	2,750	분할정도 (1 DWELL)	Sec ()	±30
출력축 축직각 허용하중	kgf	1,220	분할정도 (2 DWELL)	Sec ()	±60
출력축 허용굽힘 모멘트	kgf.m	99	반복정도	Sec ()	30
입력축 추방향 허용하중	kgf	600	제품무게(감속기 제외)	kg	290
입력축 허용굽힘하중	kgf	600	동정격출력	-	동정격출력표 참조
입력축 허용 토크	kgf.m	75	외형 COLOR	-	흑화색(함몰)

Servo
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Drive



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CU
Series

EU
Series

CP
Series

Complex
Type
Index

PP
Series

BVR
Series

CHD
CAD
40ATC

Torque
Limiter

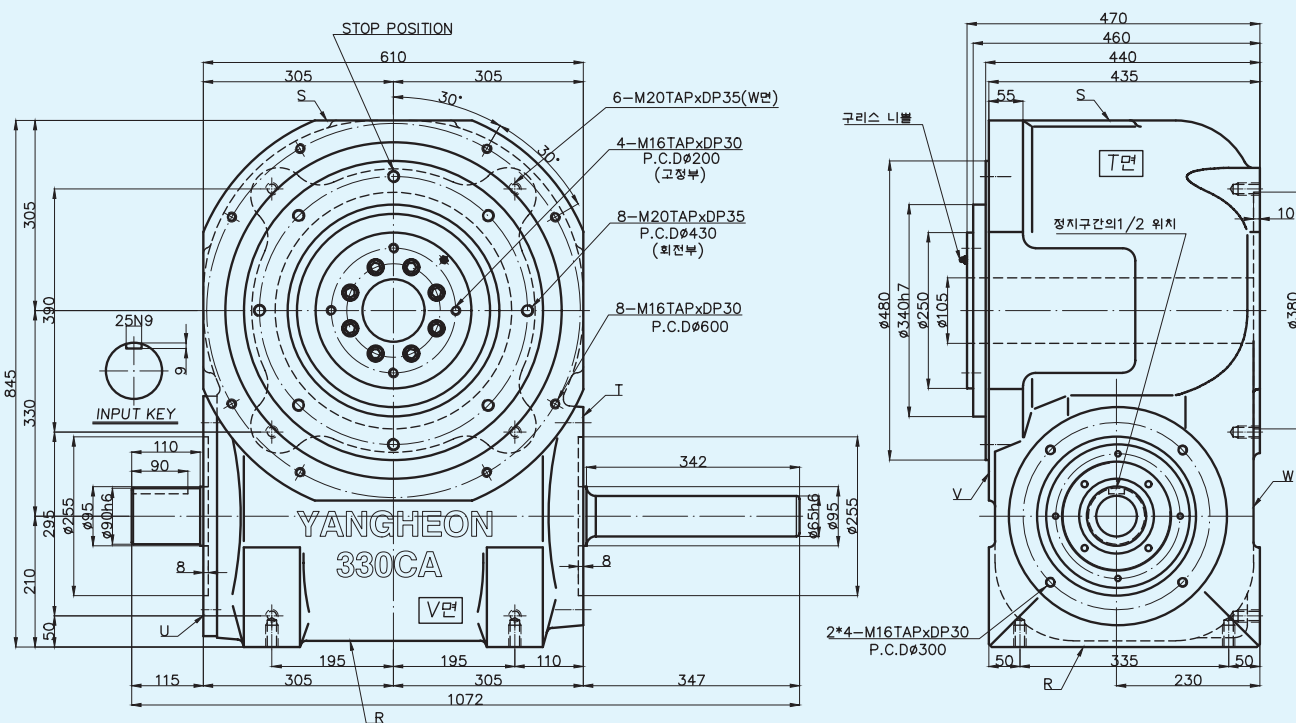
Option

Advanced type

축간거리 : 330mm

Model **330 CA**

외 관 도



평면도기준

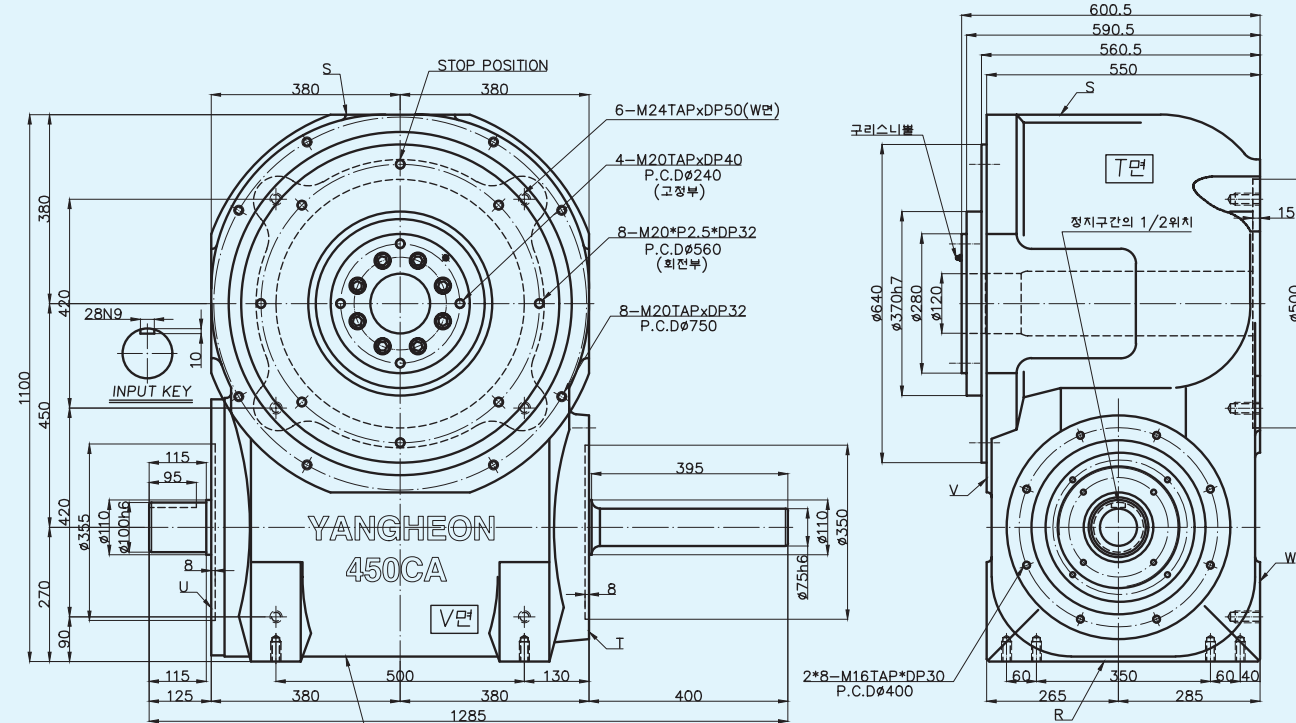
도번 : 330CA - □□□□

Advanced type

축간거리 : 450mm

Model **450 CA**

외 관 도



평면도기준

도번 : 450CA - □□□□

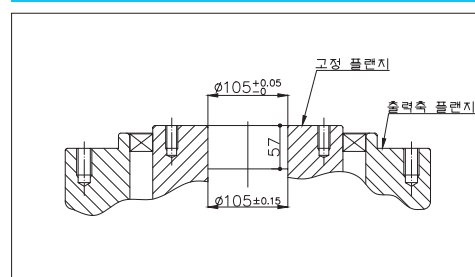
부착위치에 따른 급 · 배유구, 유면계 위치

● : 배유구 PT3/4 ○ : 급유구 PT3/4 ● : 유면계

부착	1	2	3	4	5	6
위치						
주입량 (리터)	60	55			60	

출력 고정 플랜지부 상세

제품 특성표



항 목	단 위	수 치	항 목	단 위	수 치
출력축 축방향 허용하중	kgf	3,500	분할정도 (1 DWELL)	Sec ()	±20
출력축 축직각 허용하중	kgf	3,400	분할정도 (2 DWELL)	Sec ()	±40
출력축 허용굽힘 모멘트	kgf.m	200	반복정도	Sec ()	20
입력축 축방향 허용하중	kgf	1,850	제품무게(감속기 제외)	kg	1,050
입력축 허용굽힘하중	kgf	2,100	동정격출력	-	동정격출력표 참조
입력축 허용 토크	kgf.m	650	외형 COLOR	-	흑화색(함마톤)

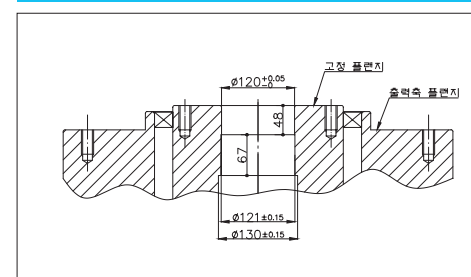
부착위치에 따른 급 · 배유구, 유면계 위치

● : 배유구 PT1 ○ : 급유구 PT1 ● : 유면계

부착	1	2	3	4	5	6
위치						
주입량 (리터)	115	105			115	

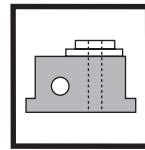
출력 고정 플랜지부 상세

제품 특성표



항 목	단 위	수 치	항 목	단 위	수 치
출력축 축방향 허용하중	kgf	4,800	분할정도 (1 DWELL)	Sec ()	±20
출력축 축직각 허용하중	kgf	4,100	분할정도 (2 DWELL)	Sec ()	±40
출력축 허용굽힘 모멘트	kgf.m	300	반복정도	Sec ()	20
입력축 축방향 허용하중	kgf	2,500	제품무게(감속기 제외)	kg	1,650
입력축 허용굽힘하중	kgf	2,700	동정격출력	-	동정격출력표 참조
입력축 허용 토크	kgf.m	850	외형 COLOR	-	흑화색(함마톤)

Servo
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Drive



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Series

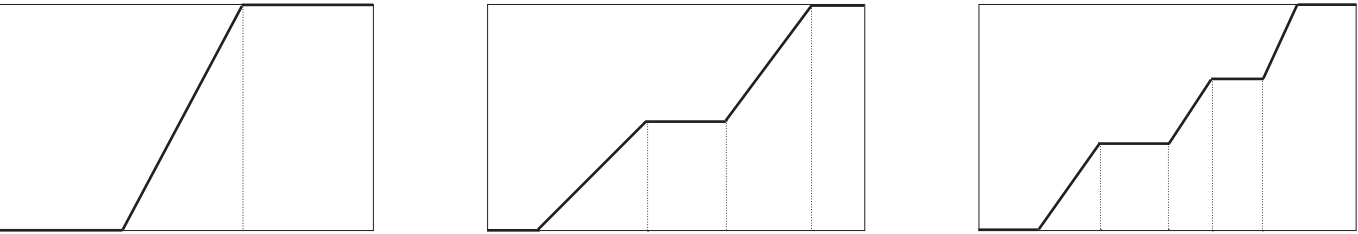
CHD
CAD
40ATC

Torque
Limiter

Option

출력 Torque 표

1. 정정격 출력 Torque는 출력축에 걸리는 Torque의 허용한도를 표시한 것입니다.
2. 동정격 출력 Torque는 Index Drives의 정격 수명을 12,000시간을 기준으로 연속 출력 Torque의 한계치입니다.
3. 마찰 Torque는 무부하로 회전시 입력축에 걸리는 마찰 Torque의 최대치입니다.



1R : 1은 1DWELL
R은 오른 회전

2R : 2는 2DWELL
R은 오른 회전

3R : 3은 3DWELL
R은 오른 회전

CA TYPE 출력 TORQUE 표

CAM 곡선 : MS곡선

ROLLER GEAR INDEX DRIVES

1 DWELL

등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)								마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)								
					50	100	150	200	300	400	500	700	
2	270°	45CA	1R	1.22	0.48	0.39	0.35	0.32	0.28	0.26	0.24		0.12
		50CA	1R	2.76	0.94	0.75	0.68	0.61	0.54	0.48	0.47	0.30	0.20
		60CA	1R	4.34	1.41	1.15	1.02	0.93	0.83	0.76	0.71	0.64	0.27
		70CA	1R	11.34	4.33	3.51	3.11	2.85	2.53	2.32	2.17	1.96	0.47
		80CA	1R	20.19	7.85	6.38	5.65	5.18	4.59	4.21	3.93	3.56	0.85
		110CA	1R	49.79	19.00	15.43	13.66	12.54	11.10	10.18	9.52		1.57
		140CA	1R	80.37	28.58	23.22	20.56	18.86	16.70	15.32			2.26
		160CA	1R	127.89	45.69	37.11	32.88	30.13	26.70	7.66			3.19
		180CA	1R	175.41	62.86	51.06	45.21	41.47	36.72				4.12
		250CA	1R	277.22	136.10	110.55	97.89	89.79					7.19
		45CA	1R	1.31	0.49	0.39	0.35	0.32	0.28	0.26	0.24		0.12
		50CA	1R	2.91	0.95	0.75	0.68	0.61	0.54	0.48	0.47	0.30	0.20

기준;
축간거리

동정격 출력
토크(Tr)

입력축 회전수
(rpm)

할부각(θh)

등분수(n)

마찰 토크

ROLLER GEAR INDEX DRIVES

070CA 출력 TORQUE 표

CAM 곡선 : YMS곡선

1 DWELL

등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m) 입 력 축 회 전 수 (r.p.m)							마찰 Torque (kgf.m)
					25	50	75	100	125	150	200	
4	270°	70CA	1R	20.48	8.03	8.03	8.03	8.03	8.03	8.03	7.54	0.49
5	240°	70CA	1R	21.81	5.79	4.70	4.16	3.82	3.57	3.38	3.10	0.25
	270°	70CA	1R	22.76	8.46	8.46	8.46	8.46	8.46	8.46	8.46	0.46
6	180°	70CA	1R	23.81	19.14	16.05	14.22	13.04	12.20	11.55	10.59	0.56
	210°	70CA	1R	25.67	19.60	15.92	14.10	12.93	12.09	11.45	10.50	0.53
	240°	70CA	1R	27.15	19.36	15.73	13.93	12.77	11.95	11.31	10.38	0.52
	270°	70CA	1R	28.32	19.09	15.50	13.73	12.59	11.78	11.15	10.23	0.50
8	180°	70CA	1R	24.73	11.91	11.91	11.91	11.91	11.91	11.91	11.25	0.47
	210°	70CA	1R	28.66	20.99	19.57	17.33	15.90	14.87	14.07	12.91	0.50
	240°	70CA	1R	29.78	21.40	19.17	16.97	15.57	14.56	13.78	12.64	0.48
	270°	70CA	1R	30.63	21.71	18.76	16.61	15.24	14.25	13.50	12.38	0.47
10	180°	70CA	1R	25.17	8.90	8.90	8.90	8.90	8.90	8.90	8.90	0.43
	210°	70CA	1R	27.59	12.58	12.58	12.58	12.58	12.58	12.58	12.54	0.43
	240°	70CA	1R	28.33	12.75	12.75	12.75	12.75	12.75	12.75	12.21	0.42
	270°	70CA	1R	28.86	12.87	12.87	12.87	12.87	12.87	12.87	11.90	0.42
12	120°	70CA	1R	8.47	7.62	7.21	6.38	5.86	5.48	5.19	4.76	0.24
	150°	70CA	1R	9.16	8.24	7.01	6.21	5.70	5.33	5.04	4.63	0.23
	180°	70CA	1R	26.35	9.11	9.11	9.11	9.11	9.11	9.11	9.11	0.41
	210°	70CA	1R	27.15	9.25	9.25	9.25	9.25	9.25	9.25	9.25	0.40
	240°	70CA	1R	27.71	9.34	9.34	9.34	9.34	9.34	9.34	9.34	0.39
	270°	70CA	1R	28.11	9.41	9.41	9.41	9.41	9.41	9.41	9.41	0.39
15	150°	70CA	1R	4.87	4.38	3.78	3.34	3.07	2.87	2.72	2.49	0.21
	180°	70CA	1R	5.05	4.48	3.64	3.22	2.96	2.76	2.62	2.40	0.20
	210°	70CA	1R	10.25	8.98	7.29	6.46	5.92	5.54	5.24	4.81	0.22
	240°	70CA	1R	10.40	8.69	7.06	6.25	5.73	5.36	5.08	4.66	0.21
	270°	70CA	1R	10.51	8.43	6.85	6.06	5.56	5.20	4.92	4.52	0.21
16	150°	70CA	1R	4.94	4.44	3.89	3.45	3.16	2.96	2.80	2.57	0.20
	180°	70CA	1R	5.10	4.59	3.74	3.32	3.04	2.84	2.69	2.47	0.20
	210°	70CA	1R	5.20	4.45	3.61	3.20	2.93	2.74	2.60	2.38	0.20
	240°	70CA	1R	5.28	4.30	3.49	3.09	2.84	2.65	2.51	2.31	0.20
	270°	70CA	1R	5.33	4.17	3.39	3.00	2.75	2.57	2.44	2.24	0.19

Servo Cam Drive
CS Series
CF Series
CFS Series
E/EF Series
CA Series
CT Series
CR Series
CU Series
EU Series
CP Series
Complex Type Index
PP Series
BVR Series
CHD CAD 40ATC
Torque Limiter
Option

ROLLER GEAR INDEX DRIVES

070CA 출력 TORQUE 표

CAM 곡선 : YMCV곡선

1 DWELL

등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
2	330°	70CA	1R	6.78	3.99	3.24	2.87	2.63	2.46	2.33	2.14	0.26
3	270°	70CA	1R	7.62	4.95	4.02	3.56	3.27	3.06	2.89	2.65	0.25
	300°	70CA	1R	22.15	8.35	8.35	8.35	8.35	8.35	8.23	7.55	0.46
4	240°	70CA	1R	24.14	11.77	11.77	11.77	11.32	10.58	10.02	9.19	0.48
	270°	70CA	1R	25.23	12.03	12.03	12.03	11.17	10.44	9.89	9.07	0.47
5	210°	70CA	1R	23.60	8.62	8.62	8.62	8.62	8.62	8.62	8.62	0.45
	240°	70CA	1R	24.70	8.82	8.82	8.82	8.82	8.82	8.82	8.82	0.43
6	180°	70CA	1R	27.72	20.65	17.32	15.34	14.07	13.16	12.46	11.43	0.51
	210°	70CA	1R	29.14	20.88	16.96	15.02	13.78	12.88	12.20	11.19	0.49
8	150°	70CA	1R	26.10	12.23	12.23	12.23	12.23	12.23	12.23	12.21	0.45
	180°	70CA	1R	30.20	21.55	21.04	18.63	17.09	15.98	15.13	13.88	0.48
10	120°	70CA	1R	24.70	8.82	8.82	8.82	8.82	8.82	8.82	8.82	0.43
	150°	70CA	1R	26.22	9.09	9.09	9.09	9.09	9.09	9.09	9.09	0.41
12	120°	70CA	1R	9.47	8.52	7.62	6.75	6.19	5.79	5.48	5.03	0.23
	150°	70CA	1R	27.18	9.25	9.25	9.25	9.25	9.25	9.25	9.25	0.40
15	120°	70CA	1R	4.99	4.49	4.09	3.62	3.32	3.10	2.94	2.70	0.20
	150°	70CA	1R	5.17	4.65	3.89	3.44	3.16	2.95	2.80	2.57	0.20
16	120°	70CA	1R	5.05	4.54	4.21	3.73	3.42	3.20	3.03	2.78	0.20
	150°	70CA	1R	5.21	4.68	4.00	3.54	3.25	3.04	2.87	2.64	0.20

ROLLER GEAR INDEX DRIVES

070CA 출력 TORQUE 표

CAM 곡선 : YMS곡선

2 DWELL

등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
16	210°	70CA	2R	28.66	20.99	20.99	20.99	19.57	18.30	17.33	15.90	0.50
	240°	70CA	2R	29.78	21.40	21.40	20.89	19.17	17.92	16.97	15.57	0.48
	270°	70CA	2R	30.63	21.71	21.71	20.45	18.76	17.55	16.61	15.24	0.47
20	180°	70CA	2R	25.17	8.90	8.90	8.90	8.90	8.90	8.90	8.90	0.43
	210°	70CA	2R	26.18	9.08	9.08	9.08	9.08	9.08	9.08	9.08	0.41
	240°	70CA	2R	26.91	9.21	9.21	9.21	9.21	9.21	9.21	9.21	0.41
	270°	70CA	2R	28.86	12.87	12.87	12.87	12.87	12.87	12.87	12.87	0.42
24	180°	70CA	2R	9.61	8.64	8.37	7.41	6.80	6.36	6.02	5.52	0.22
	210°	70CA	2R	9.91	8.91	8.12	7.19	6.60	6.17	5.84	5.36	0.22
	240°	70CA	2R	10.13	9.11	7.88	6.98	6.40	5.99	5.67	5.20	0.22
	270°	70CA	2R	28.11	9.41	9.41	9.41	9.41	9.41	9.41	9.41	0.39
32	180°	70CA	2R	5.10	4.59	4.59	4.08	3.74	3.50	3.32	3.04	0.20
	210°	70CA	2R	5.20	4.68	4.45	3.94	3.61	3.38	3.20	2.93	0.20
	240°	70CA	2R	5.28	4.75	4.30	3.81	3.49	3.27	3.09	2.84	0.20
	270°	70CA	2R	5.33	4.79	4.17	3.69	3.39	3.17	3.00	2.75	0.19

ROLLER GEAR INDEX DRIVES												
090CA 출력 TORQUE 표					1 DWELL							
CAM 곡선 : YMS곡선												
등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
4	270°	90CA	1R	27.68	18.76	15.23	13.49	12.37	11.57	10.96	10.05	0.66
5	240°	90CA	1R	27.63	19.72	16.02	14.19	13.01	12.17	11.52	10.57	0.61
	270°	90CA	1R	30.89	21.96	17.84	15.79	14.49	13.55	12.83	11.77	0.62
6	180°	90CA	1R	44.19	36.62	29.74	26.34	24.16	22.59	21.39	19.62	0.87
	210°	90CA	1R	47.98	36.43	29.59	26.20	24.03	22.48	21.28	19.52	0.84
	240°	90CA	1R	51.02	36.09	29.32	25.96	23.81	22.27	21.08	19.34	0.81
	270°	90CA	1R	53.48	35.67	28.97	25.65	23.53	22.01	20.84	19.11	0.78
8	180°	90CA	1R	51.02	45.92	37.34	33.06	30.33	28.36	26.85	24.63	0.81
	210°	90CA	1R	54.19	45.23	36.74	32.53	29.84	27.91	26.42	24.24	0.78
	240°	90CA	1R	56.60	44.41	36.07	31.94	29.30	27.40	25.94	23.80	0.76
	270°	90CA	1R	58.44	43.56	35.38	31.33	28.74	26.88	25.45	23.34	0.74
10	180°	90CA	1R	37.71	33.53	27.24	24.12	22.12	20.69	19.59	17.97	0.63
	210°	90CA	1R	39.32	32.70	26.56	23.52	21.57	20.17	19.10	17.52	0.61
	240°	90CA	1R	40.49	31.87	25.89	22.92	21.03	19.67	18.62	17.08	0.60
	270°	90CA	1R	41.35	31.09	25.25	22.36	20.51	19.18	18.16	16.66	0.59
12	120°	90CA	1R	29.98	26.99	24.59	21.78	19.98	18.68	17.69	16.23	0.58
	150°	90CA	1R	32.44	29.19	23.92	21.18	19.43	18.17	17.21	15.78	0.56
	180°	90CA	1R	36.05	32.05	26.03	23.05	21.14	19.77	18.72	17.17	0.56
	210°	90CA	1R	37.21	31.09	25.25	22.36	20.51	19.18	18.16	16.66	0.55
	240°	90CA	1R	38.02	30.19	24.52	21.72	19.92	18.63	17.64	16.18	0.54
	270°	90CA	1R	38.62	29.37	23.86	21.12	19.38	18.12	17.16	15.74	0.53
15	150°	90CA	1R	34.36	30.93	26.79	23.72	21.76	20.35	19.27	17.67	0.54
	180°	90CA	1R	35.57	31.77	25.80	22.85	20.96	19.60	18.56	17.02	0.52
	210°	90CA	1R	36.36	30.67	24.91	22.06	20.23	18.92	17.91	16.43	0.51
	240°	90CA	1R	36.90	29.68	24.11	21.35	19.58	18.31	17.34	15.91	0.50
	270°	90CA	1R	37.28	28.80	23.39	20.71	19.00	17.77	16.82	15.43	0.50
16	150°	90CA	1R	34.83	31.34	27.60	24.43	22.41	20.96	19.85	18.21	0.53
	180°	90CA	1R	35.92	32.33	26.53	23.49	21.55	20.16	19.08	17.51	0.52
	210°	90CA	1R	36.63	31.50	25.58	22.65	20.78	19.44	18.40	16.88	0.51
	240°	90CA	1R	37.12	30.46	24.74	21.91	20.10	18.80	17.80	16.32	0.50
	270°	90CA	1R	37.46	29.54	23.99	21.25	19.49	18.23	17.26	15.83	0.50

Servo Cam Drive
CS Series
CF Series
CFS Series
E/EF Series
CA Series
CT Series
CR Series
CU Series
EU Series
CP Series
Complex Type Index
PP Series
BVR Series
CHD CAD 40ATC
Torque Limiter
Option

Servo
Cam
Drive

CS
Series

CF
Series

CFS
Series

E/EF
Series

CA
Series

CT
Series

CR
Series

CU
Series

EU
Series

CP
Series

Complex
Type
Index

PP
Series

BVR
Series

CHD
CAD
40ATC

Torque
Limiter

Option

ROLLER GEAR INDEX DRIVES

090CA 출력 TORQUE 표

CAM 곡선 : YMCV곡선

1 DWELL

등분 수	할 부 각	기 종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
2	330°	90CA	1R	25.37	15.24	12.38	10.96	10.05	9.40	8.90	8.17	0.69
3	270°	90CA	1R	26.94	16.87	13.71	12.14	11.13	10.41	9.86	9.04	0.62
	300°	90CA	1R	28.37	16.78	13.63	12.07	11.07	10.35	9.80	8.99	0.60
4	240°	90CA	1R	30.92	20.54	16.68	14.77	13.55	12.67	12.00	11.00	0.62
	270°	90CA	1R	32.44	20.30	16.49	14.60	13.39	12.53	11.86	10.88	0.61
5	210°	90CA	1R	30.31	21.50	17.47	15.47	14.19	13.27	12.56	11.52	0.58
	240°	90CA	1R	31.80	21.16	17.19	15.22	13.96	13.06	12.36	11.34	0.57
6	180°	90CA	1R	52.21	39.80	32.33	28.62	26.26	24.56	23.25	21.33	0.80
	210°	90CA	1R	55.23	39.08	31.75	28.11	25.79	24.12	22.83	20.94	0.77
8	150°	90CA	1R	36.97	31.66	25.71	22.77	20.89	19.53	18.49	16.96	0.64
	180°	90CA	1R	57.50	48.80	39.63	35.10	32.19	30.11	28.51	26.15	0.75
10	120°	90CA	1R	31.80	28.62	23.48	20.79	19.07	17.84	16.89	15.49	0.57
	150°	90CA	1R	35.86	31.32	25.44	22.52	20.66	19.32	18.30	16.78	0.57
12	120°	90CA	1R	35.50	31.95	29.17	25.83	23.70	22.16	20.98	19.25	0.57
	150°	90CA	1R	37.25	33.53	27.95	24.75	22.70	21.23	20.10	18.44	0.55
15	120°	90CA	1R	35.19	31.67	28.99	25.67	23.54	22.02	20.85	19.12	0.53
	150°	90CA	1R	36.39	32.75	27.56	24.41	22.39	20.94	19.83	18.19	0.51
16	120°	90CA	1R	35.58	32.02	29.82	26.41	24.22	22.66	21.45	19.68	0.53
	150°	90CA	1R	36.66	32.99	28.31	25.07	23.00	21.51	20.36	18.68	0.51

ROLLER GEAR INDEX DRIVES

090CA 출력 TORQUE 표

CAM 곡선 : YMS곡선

2 DWELL

등분 수	할 부 각	기 종	CODE	정정격출력 Torque (kgf.m)	등 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
16	210°	90CA	2R	36.89	33.20	28.59	25.31	23.22	21.72	20.56	18.86	0.64
	240°	90CA	2R	38.42	34.50	28.03	24.82	22.76	21.29	20.16	18.49	0.63
	270°	90CA	2R	58.44	52.60	43.56	38.57	35.38	33.09	31.33	28.74	0.74
20	180°	90CA	2R	37.71	33.94	33.53	29.69	27.24	25.47	24.12	22.12	0.63
	210°	90CA	2R	39.32	35.39	32.70	28.95	26.56	24.84	23.52	21.57	0.62
	240°	90CA	2R	40.49	36.44	31.87	28.22	25.89	24.21	22.92	21.03	0.60
	270°	90CA	2R	41.35	37.21	31.09	27.53	25.25	23.62	22.36	20.51	0.59
24	180°	90CA	2R	36.05	32.44	32.05	28.38	26.03	24.34	23.05	21.14	0.57
	210°	90CA	2R	37.21	33.49	31.09	27.53	25.25	23.62	22.36	20.51	0.55
	240°	90CA	2R	38.02	34.22	30.19	26.73	24.52	22.94	21.72	19.92	0.54
	270°	90CA	2R	38.62	34.75	29.37	26.01	23.86	22.31	21.12	19.38	0.54
32	180°	90CA	2R	35.92	32.33	32.33	28.93	26.53	24.82	23.49	21.55	0.52
	210°	90CA	2R	36.63	32.97	31.50	27.89	25.58	23.93	22.65	20.78	0.51
	240°	90CA	2R	37.12	33.41	30.46	26.97	24.74	23.14	21.91	20.10	0.50
	270°	90CA	2R	37.46	33.72	29.54	26.16	23.99	22.44	21.25	19.49	0.50

ROLLER GEAR INDEX DRIVES												
110CA 출력 TORQUE 표					1 DWELL							
CAM 곡선 : YMS곡선												
등분 수	할 부 각	기 종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
4	270°	110CA	1R	54.07	38.77	31.49	27.88	25.58	23.92	22.65	20.78	1.02
5	240°	110CA	1R	36.51	30.71	24.94	22.08	20.26	18.95	17.94	16.45	0.81
	270°	110CA	1R	60.63	45.55	37.00	32.76	30.05	28.11	26.61	24.41	0.95
6	180°	110CA	1R	68.03	56.42	45.83	40.58	37.22	34.81	32.96	30.24	1.24
	210°	110CA	1R	73.82	56.12	45.58	40.36	37.03	34.63	32.78	30.07	1.18
	240°	110CA	1R	78.49	55.59	45.16	39.98	36.68	34.30	32.48	29.79	1.14
	270°	110CA	1R	82.25	54.93	44.62	39.51	36.24	33.90	32.09	29.44	1.11
8	180°	110CA	1R	75.36	67.26	54.63	48.37	44.37	41.50	39.29	36.04	1.09
	210°	110CA	1R	83.34	69.65	56.57	50.09	45.95	42.98	40.69	37.32	1.10
	240°	110CA	1R	87.01	68.37	55.54	49.18	45.11	42.19	39.94	36.64	1.07
	270°	110CA	1R	89.83	67.06	54.47	48.23	44.24	41.38	39.18	35.94	1.04
10	180°	110CA	1R	67.80	60.36	49.03	43.41	39.82	37.24	35.26	32.35	0.89
	210°	110CA	1R	70.89	58.93	47.87	42.38	38.88	36.36	34.43	31.58	0.87
	240°	110CA	1R	89.14	74.51	60.52	53.59	49.16	45.97	43.53	39.93	0.98
	270°	110CA	1R	91.32	72.79	59.13	52.36	48.03	44.92	42.53	39.01	0.96
12	120°	110CA	1R	52.41	47.17	47.17	44.90	41.19	25.68	24.31	22.30	0.71
	150°	110CA	1R	64.28	57.85	57.85	51.24	47.01	29.30	27.74	25.45	0.74
	180°	110CA	1R	69.09	62.18	56.80	50.30	46.14	27.23	27.23	24.98	0.71
	210°	110CA	1R	72.57	65.31	55.59	49.22	45.15	28.15	26.65	24.44	0.69
	240°	110CA	1R	75.13	66.90	54.34	48.11	44.14	27.52	26.05	23.90	0.68
15	270°	110CA	1R	108.74	61.38	49.86	44.15	40.50	37.88	35.86	32.89	0.81
	150°	110CA	1R	63.80	57.42	57.42	57.42	53.72	29.00	27.46	25.18	0.65
	180°	110CA	1R	67.34	60.60	60.60	56.96	52.25	28.21	26.71	24.50	0.64
	210°	110CA	1R	69.77	62.80	62.52	55.36	50.78	27.42	25.96	23.81	0.62
	240°	110CA	1R	71.50	64.35	60.81	53.84	49.39	26.66	25.24	23.16	0.61
16	270°	110CA	1R	72.77	65.49	59.21	52.43	48.10	25.96	24.58	22.55	0.61
	150°	110CA	1R	65.13	58.62	58.62	58.62	55.62	30.03	28.43	26.08	0.65
	180°	110CA	1R	68.42	61.57	61.57	58.83	53.97	29.13	27.59	25.31	0.63
	210°	110CA	1R	70.65	63.59	63.59	57.08	52.36	28.27	26.77	24.55	0.62
	240°	110CA	1R	72.23	65.00	62.62	55.45	50.86	27.46	26.00	23.85	0.61
	270°	110CA	1R	73.37	66.03	60.92	53.95	49.49	26.71	25.29	23.20	0.60

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ROLLER GEAR INDEX DRIVES

110CA 출력 TORQUE 표

CAM 곡선 : YMCV곡선

1 DWELL

등분 수	할 부 각	기 종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
2	330°	110CA	1R	34.02	20.09	16.32	14.45	13.25	12.39	11.73	10.76	0.87
3	270°	110CA	1R	32.18	22.57	18.33	16.23	14.89	13.92	13.18	12.09	0.75
	300°	110CA	1R	34.42	22.61	18.37	16.26	14.92	13.95	13.21	12.12	0.73
4	240°	110CA	1R	39.28	28.46	23.12	20.47	18.78	17.56	16.63	15.25	0.78
	270°	110CA	1R	63.83	42.12	34.21	30.30	27.79	25.99	24.51	22.57	0.93
5	210°	110CA	1R	41.30	33.99	27.61	24.45	22.43	20.98	19.86	18.22	0.77
	240°	110CA	1R	44.18	33.78	27.44	24.29	22.28	20.84	19.73	18.10	0.74
6	180°	110CA	1R	80.30	61.30	49.79	44.09	40.44	37.82	35.81	32.85	1.12
	210°	110CA	1R	84.92	60.19	48.89	43.29	39.71	37.14	35.16	32.26	1.08
8	150°	110CA	1R	80.46	72.41	59.62	52.79	48.43	45.29	42.88	39.33	1.05
	180°	110CA	1R	85.40	71.60	58.16	51.50	47.24	44.18	41.83	38.37	1.01
10	120°	110CA	1R	44.18	39.76	37.48	33.19	30.44	28.47	26.96	24.73	0.74
	150°	110CA	1R	48.48	43.63	36.72	32.51	29.82	27.89	26.41	24.22	0.71
12	120°	110CA	1R	67.53	60.77	60.77	56.16	51.51	32.12	30.40	27.89	0.72
	150°	110CA	1R	72.71	65.44	61.55	54.50	49.99	31.17	29.51	27.07	0.69
15	120°	110CA	1R	66.21	59.59	59.59	59.59	58.51	31.59	29.91	27.44	0.64
	150°	110CA	1R	69.87	62.88	62.88	61.28	56.22	30.35	28.74	26.36	0.62
16	120°	110CA	1R	67.37	60.64	60.64	60.64	60.48	32.66	30.91	28.36	0.64
	150°	110CA	1R	70.74	63.66	63.66	63.19	57.96	31.29	29.62	27.18	0.62

ROLLER GEAR INDEX DRIVES

110CA 출력 TORQUE 표

CAM 곡선 : YMS곡선

2 DWELL

등분 수	할 부 각	기 종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
16	210°	110CA	2R	83.34	75.00	69.65	61.67	56.57	52.91	50.09	45.95	1.10
	240°	110CA	2R	87.01	78.31	68.37	60.54	55.54	51.94	49.18	45.11	1.07
	270°	110CA	2R	89.83	80.85	67.06	59.38	54.47	50.94	48.23	44.24	1.04
20	180°	110CA	2R	67.80	61.02	60.36	53.45	49.03	45.85	43.41	39.82	0.89
	210°	110CA	2R	70.89	63.80	58.93	52.18	47.87	44.77	42.38	38.88	0.87
	240°	110CA	2R	89.14	80.23	74.51	65.97	60.52	56.60	53.59	49.16	0.98
	270°	110CA	2R	91.32	82.19	72.79	64.46	59.13	55.30	52.36	48.03	0.96
24	180°	110CA	2R	69.09	62.18	62.18	61.92	56.80	35.42	33.53	30.78	0.71
	210°	110CA	2R	72.57	65.31	65.31	60.60	55.59	34.66	32.81	30.10	0.69
	240°	110CA	2R	75.13	67.62	66.90	59.24	54.34	33.88	32.07	29.42	0.68
	270°	110CA	2R	108.74	75.57	61.38	54.35	49.86	46.63	44.15	40.50	0.81
32	180°	110CA	2R	68.42	61.57	61.57	61.57	61.57	35.54	33.96	31.15	0.63
	210°	110CA	2R	70.65	63.59	63.59	63.59	63.59	34.80	32.95	30.23	0.62
	240°	110CA	2R	72.23	65.00	65.00	65.00	62.62	33.81	32.01	29.36	0.61
	270°	110CA	2R	73.37	66.03	66.03	66.03	60.92	32.89	31.14	28.57	0.60

ROLLER GEAR INDEX DRIVES												
150CA 출력 TORQUE 표					1 DWELL							
CAM 곡선 : YMS곡선												
등분 수	할 부 각	기 종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
4	270°	150CA	1R	87.22	65.74	53.40	47.28	43.37	40.57	38.41	35.23	1.64
5	240°	150CA	1R	89.96	74.19	60.26	53.36	48.94	45.78	43.34	39.76	1.53
	270°	150CA	1R	96.43	74.11	60.22	53.32	48.92	45.75	43.31	39.73	1.48
6	180°	150CA	1R	130.92	113.59	92.26	81.70	74.94	70.09	66.36	60.87	2.13
	210°	150CA	1R	201.48	163.40	132.72	117.52	107.80	100.82	95.45	87.56	2.46
	240°	150CA	1R	215.85	162.48	131.98	116.86	107.20	100.26	94.92	87.07	2.37
	270°	150CA	1R	227.69	161.08	130.84	115.86	106.28	99.39	94.10	86.32	2.30
8	180°	150CA	1R	155.55	140.00	118.65	105.06	96.37	90.13	85.34	78.28	1.96
	210°	150CA	1R	231.15	205.65	167.04	147.90	135.68	126.89	120.14	110.20	2.28
	240°	150CA	1R	243.02	202.58	164.55	145.70	133.65	125.00	118.35	108.56	2.21
	270°	150CA	1R	252.31	199.25	161.84	143.30	131.45	122.94	116.40	106.77	2.16
10	180°	150CA	1R	138.40	124.56	107.77	95.43	87.54	81.87	77.51	71.10	1.64
	210°	150CA	1R	147.14	130.62	106.10	93.94	86.18	80.60	76.31	70.00	1.59
	240°	150CA	1R	191.30	165.95	134.79	119.35	109.48	102.39	96.94	88.93	1.76
	270°	150CA	1R	197.36	162.70	132.16	117.02	107.34	100.39	95.05	81.79	1.73
12	120°	150CA	1R	120.06	108.06	108.06	100.62	92.30	57.55	54.48	49.98	1.26
	150°	150CA	1R	157.01	136.97	111.26	98.51	90.37	70.43	66.68	61.16	1.39
	180°	150CA	1R	174.43	142.36	115.63	102.39	93.92	73.20	69.30	63.57	1.39
	210°	150CA	1R	182.70	139.11	112.99	100.05	91.78	71.53	67.72	62.12	1.36
	240°	150CA	1R	228.24	156.75	127.32	112.73	103.41	87.92	83.24	76.30	1.51
	270°	150CA	1R	233.97	153.19	124.43	110.18	101.07	85.92	81.35	74.62	1.48
15	150°	150CA	1R	138.91	125.02	125.02	125.02	122.31	66.04	62.52	57.35	1.16
	180°	150CA	1R	179.23	151.39	122.96	108.88	99.88	77.84	73.70	67.60	1.30
	210°	150CA	1R	185.28	146.97	119.37	105.70	96.96	75.56	71.55	65.63	1.27
	240°	150CA	1R	189.56	142.81	116.00	102.72	94.22	73.43	69.52	63.77	1.25
	270°	150CA	1R	199.89	147.39	119.71	106.00	97.24	75.78	71.75	65.81	1.28
16	150°	150CA	1R	142.31	128.08	128.08	128.08	126.93	68.53	64.88	59.52	1.15
	180°	150CA	1R	150.85	135.76	135.76	134.88	123.73	66.81	63.25	58.02	1.12
	210°	150CA	1R	156.80	141.12	141.12	131.30	120.45	65.03	61.57	56.48	1.10
	240°	150CA	1R	161.07	144.96	144.39	127.85	117.28	63.32	59.95	54.99	1.08
	270°	150CA	1R	194.14	142.89	116.06	102.77	94.27	73.47	69.55	63.80	1.23

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ROLLER GEAR INDEX DRIVES

150CA 출력 TORQUE 표

CAM 곡선 : YMCV곡선

1 DWELL

등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
2	330°	150CA	1R	75.74	49.90	40.53	35.89	32.92	30.79	29.15	26.74	1.66
3	270°	150CA	1R	67.37	50.00	40.62	35.96	32.99	30.85	29.21	26.80	1.34
	300°	150CA	1R	72.46	50.24	40.81	36.14	33.15	31.00	29.35	26.92	1.31
4	240°	150CA	1R	100.17	72.99	59.28	52.49	48.15	45.04	42.64	39.11	1.54
	270°	150CA	1R	106.64	72.69	59.04	52.28	47.96	44.85	42.47	38.95	1.50
5	210°	150CA	1R	101.32	81.95	66.56	58.94	54.07	50.57	47.87	43.92	1.45
	240°	150CA	1R	112.11	86.28	70.08	62.05	56.92	53.24	50.40	46.23	1.47
6	180°	150CA	1R	160.06	125.60	102.02	90.33	82.86	77.50	73.37	67.31	1.94
	210°	150CA	1R	236.25	176.93	143.72	127.26	116.73	109.17	103.36	94.82	2.25
8	150°	150CA	1R	134.58	121.12	100.36	88.87	81.52	76.24	72.18	66.22	1.66
	180°	150CA	1R	181.17	157.65	128.05	113.38	104.01	97.27	92.10	84.48	1.82
10	120°	150CA	1R	108.06	97.26	90.22	79.88	73.28	68.53	64.89	59.52	1.41
	150°	150CA	1R	122.45	110.20	93.57	82.85	76.00	71.08	67.30	61.73	1.40
12	120°	150CA	1R	170.70	153.63	129.18	114.39	104.93	81.77	77.42	71.02	1.41
	150°	150CA	1R	183.02	154.02	125.10	110.78	101.62	79.20	74.98	68.78	1.36
15	120°	150CA	1R	145.07	130.57	130.57	130.57	130.57	72.16	68.32	62.67	1.14
	150°	150CA	1R	185.52	162.68	132.13	117.00	107.33	83.65	79.19	72.65	1.27
16	120°	150CA	1R	148.11	133.30	133.30	133.30	133.30	74.76	70.78	64.92	1.13
	150°	150CA	1R	157.03	141.33	141.33	141.34	133.34	71.99	68.16	62.52	1.10

ROLLER GEAR INDEX DRIVES

150CA 출력 TORQUE 표

CAM 곡선 : YMS곡선

2 DWELL

등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	등 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
16	210°	150CA	2R	134.16	120.75	111.53	98.75	90.59	84.72	80.21	73.58	1.67
	240°	150CA	2R	177.45	159.71	143.12	126.73	116.25	108.72	102.93	94.42	1.84
	270°	150CA	2R	252.31	227.08	199.25	176.43	161.84	151.36	143.30	131.45	2.16
20	180°	150CA	2R	138.40	124.56	124.56	117.48	107.77	100.79	95.43	87.54	1.64
	210°	150CA	2R	183.38	165.04	165.04	149.75	137.36	128.47	121.63	111.57	1.81
	240°	150CA	2R	191.30	172.17	165.95	146.94	134.79	126.06	119.35	109.48	1.76
	270°	150CA	2R	197.36	177.62	162.70	144.07	132.16	123.60	117.02	107.34	1.73
24	180°	150CA	2R	174.43	156.99	142.36	126.06	115.63	90.12	85.32	78.26	1.40
	210°	150CA	2R	182.70	164.43	139.11	123.18	112.99	88.06	83.37	76.48	1.36
	240°	150CA	2R	188.74	167.24	135.84	120.28	110.33	85.99	81.41	74.68	1.34
	270°	150CA	2R	233.97	188.60	153.19	135.65	124.43	105.79	100.16	91.88	1.49
32	180°	150CA	2R	150.85	135.76	135.76	135.76	135.76	78.38	77.87	71.43	1.12
	210°	150CA	2R	156.80	141.12	141.12	141.12	141.12	80.06	75.80	69.54	1.10
	240°	150CA	2R	161.07	144.96	144.96	144.96	144.39	77.96	73.81	67.71	1.09
	270°	150CA	2R	194.14	174.72	142.89	126.52	116.06	90.45	85.64	78.55	1.23

ROLLER GEAR INDEX DRIVES												
190CA 출력 TORQUE 표					1 DWELL							
CAM 곡선 : YMS곡선												
등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
4	270°	190CA	1R	160.38	112.71	91.55	81.06	74.36	69.55	65.84	60.40	2.43
5	240°	190CA	1R	127.41	108.33	87.99	77.91	71.47	66.84	63.29	58.05	2.07
	270°	190CA	1R	182.95	134.80	109.49	96.95	88.93	83.18	78.75	72.24	2.25
6	180°	190CA	1R	249.95	224.00	181.94	161.11	147.78	138.22	130.86	120.04	3.25
	210°	190CA	1R	355.24	297.55	241.69	214.00	196.31	183.60	173.83	159.45	3.65
	240°	190CA	1R	383.51	295.47	240.00	212.51	194.94	182.31	172.61	158.34	3.51
	270°	190CA	1R	407.34	292.38	237.49	210.29	192.90	180.41	170.81	156.68	3.41
8	180°	190CA	1R	297.63	274.65	223.09	197.53	181.20	169.47	160.45	147.18	2.99
	210°	190CA	1R	349.93	360.85	293.10	259.53	238.07	222.66	210.81	193.37	3.06
	240°	190CA	1R	439.00	354.91	288.28	255.26	234.15	218.99	207.34	190.19	3.27
	270°	190CA	1R	458.65	348.62	283.17	250.74	230.00	215.11	203.66	186.82	3.20
10	180°	190CA	1R	250.70	234.90	190.80	168.95	154.98	144.94	137.23	125.88	2.42
	210°	190CA	1R	267.34	239.39	194.45	172.17	157.94	147.71	139.85	128.29	2.35
	240°	190CA	1R	367.43	274.69	223.12	197.56	181.23	169.49	160.47	147.20	2.68
	270°	190CA	1R	379.35	268.50	218.09	193.11	177.14	165.67	156.87	143.89	2.63
12	120°	190CA	1R	211.45	162.07	131.64	116.56	106.93	100.00	94.68	86.85	1.89
	150°	190CA	1R	299.69	197.25	160.22	141.87	130.14	121.71	115.23	105.70	2.11
	180°	190CA	1R	365.97	261.77	212.62	188.27	172.70	161.52	152.92	140.28	2.25
	210°	190CA	1R	385.01	254.66	206.85	183.16	168.01	157.13	148.77	136.47	2.19
	240°	190CA	1R	416.86	247.84	201.31	178.25	163.51	152.93	144.79	132.81	2.23
15	270°	190CA	1R	428.01	241.48	196.14	173.68	159.32	149.00	141.07	129.41	2.19
	150°	190CA	1R	240.74	184.53	149.88	132.72	121.74	113.86	107.80	98.89	1.73
	180°	190CA	1R	272.16	180.49	146.60	129.81	119.08	111.37	105.44	96.72	1.76
	210°	190CA	1R	355.74	219.16	178.01	157.62	144.59	135.23	128.03	117.44	1.93
	240°	190CA	1R	364.40	213.80	173.66	153.77	141.06	131.92	124.90	114.57	1.89
16	270°	190CA	1R	373.97	208.67	169.49	150.08	137.67	128.76	121.90	111.82	1.89
	150°	190CA	1R	247.19	181.21	147.19	130.33	119.55	111.81	105.86	97.11	1.71
	180°	190CA	1R	263.59	221.31	179.76	159.17	146.01	136.56	129.29	118.60	1.67
	210°	190CA	1R	275.22	215.56	175.09	155.04	142.22	133.01	125.93	115.52	1.64
	240°	190CA	1R	283.65	209.98	170.56	151.02	138.54	129.56	122.67	112.53	1.61
16	270°	190CA	1R	303.37	204.72	166.28	147.24	135.06	126.32	119.60	109.71	1.67

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ROLLER GEAR INDEX DRIVES

190CA 출력 TORQUE 표

CAM 곡선 : YMCV곡선

1 DWELL

등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	등 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
2	330°	190CA	1R	146.88	86.04	69.89	61.88	56.77	53.09	50.26	46.11	2.52
3	270°	190CA	1R	114.08	82.81	67.26	59.56	54.63	51.10	48.38	44.38	2.00
	300°	190CA	1R	123.08	82.22	66.78	59.13	54.24	50.73	48.03	44.06	1.95
4	240°	190CA	1R	184.81	111.72	90.74	80.35	73.71	68.94	65.27	59.87	2.28
	270°	190CA	1R	197.10	127.50	103.56	91.70	84.12	78.67	74.48	68.33	2.22
5	210°	190CA	1R	146.03	111.33	90.43	80.07	73.45	68.69	65.04	59.66	1.96
	240°	190CA	1R	159.43	119.76	97.28	86.13	79.01	73.90	69.96	64.18	1.93
6	180°	190CA	1R	306.39	222.49	180.72	160.02	146.79	137.28	129.98	119.23	2.95
	210°	190CA	1R	424.89	291.70	236.93	209.80	192.45	179.99	170.41	156.32	3.33
8	150°	190CA	1R	307.23	264.01	214.44	189.88	174.18	162.90	154.23	141.48	2.77
	180°	190CA	1R	347.58	269.50	218.90	193.83	177.80	166.29	157.44	144.42	2.76
10	120°	190CA	1R	205.74	176.50	143.36	126.94	116.45	108.91	103.11	94.58	2.14
	150°	190CA	1R	256.74	233.24	189.45	167.75	153.88	143.92	136.26	124.99	2.26
12	120°	190CA	1R	316.92	248.14	201.55	178.47	163.71	153.11	144.96	132.97	2.08
	150°	190CA	1R	340.84	238.76	193.93	171.72	157.52	147.32	139.48	127.95	2.01
15	120°	190CA	1R	252.47	172.70	140.28	124.21	113.94	106.56	100.89	92.55	1.70
	150°	190CA	1R	284.99	222.85	181.01	160.28	147.03	137.51	130.19	119.42	1.72
16	120°	190CA	1R	258.30	186.10	151.16	133.85	122.78	114.83	108.72	99.73	1.68
	150°	190CA	1R	275.67	238.63	193.83	171.63	157.44	147.24	139.41	127.89	1.63

ROLLER GEAR INDEX DRIVES

190CA 출력 TORQUE 표

CAM 곡선 : YMS곡선

2 DWELL

등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
16	210°	190CA	2R	340.32	309.29	251.22	222.45	204.06	190.84	180.68	165.74	2.78
	240°	190CA	2R	409.49	384.45	312.27	276.51	253.64	237.22	224.59	206.02	3.08
	270°	190CA	2R	458.65	377.69	306.78	271.64	249.18	233.05	220.64	202.40	3.20
20	180°	190CA	2R	223.91	185.53	150.70	133.44	122.40	114.48	108.38	99.42	2.22
	210°	190CA	2R	283.64	259.31	210.63	186.50	171.08	160.00	151.49	138.96	2.44
	240°	190CA	2R	367.43	311.15	252.73	223.79	205.28	191.99	181.77	166.74	2.68
	270°	190CA	2R	379.35	317.32	257.74	228.22	209.35	195.80	185.38	170.05	2.62
24	180°	190CA	2R	324.14	254.70	206.88	183.19	168.04	157.16	148.79	136.49	2.07
	210°	190CA	2R	340.21	254.90	207.04	183.33	168.17	157.28	148.91	136.60	2.01
	240°	190CA	2R	352.01	246.67	200.36	177.41	162.74	152.20	144.10	132.19	1.97
	270°	190CA	2R	428.01	314.38	255.36	226.11	207.41	193.98	183.66	168.47	2.19
32	180°	190CA	2R	263.59	249.90	202.98	179.73	164.87	154.20	145.99	133.92	1.67
	210°	190CA	2R	275.22	249.42	202.59	179.39	164.56	153.90	145.71	133.66	1.63
	240°	190CA	2R	283.65	264.80	215.08	190.45	174.70	163.39	154.69	141.90	1.62
	270°	190CA	2R	303.37	264.60	214.92	190.31	174.57	163.27	154.58	141.80	1.67

ROLLER GEAR INDEX DRIVES												
230CA 출력 TORQUE 표					1 DWELL							
CAM 곡선 : YMS곡선												
등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
4	270°	230CA	1R	269.19	203.57	165.35	146.41	134.30	125.61	118.92	109.09	3.76
5	240°	230CA	1R	193.17	171.90	139.62	123.63	113.41	106.07	100.42	92.12	3.07
	270°	230CA	1R	310.12	244.50	198.60	175.85	161.31	150.86	142.83	131.02	3.53
6	180°	230CA	1R	424.53	368.40	299.23	264.96	243.05	227.32	215.22	197.42	5.10
	210°	230CA	1R	587.95	498.54	404.94	358.56	328.91	307.62	291.24	267.16	5.64
	240°	230CA	1R	636.40	498.30	404.75	358.39	328.76	307.47	291.10	267.03	5.43
	270°	230CA	1R	677.50	496.29	403.11	356.95	327.43	306.23	289.93	265.96	5.27
8	180°	230CA	1R	505.84	455.26	385.72	341.54	313.30	293.02	277.42	254.48	4.68
	210°	230CA	1R	546.48	471.28	382.80	338.95	310.93	290.79	275.34	252.55	4.51
	240°	230CA	1R	732.53	633.15	514.28	455.38	417.73	390.68	369.88	339.30	5.06
	270°	230CA	1R	766.92	625.35	507.95	449.77	412.58	385.86	365.33	335.12	4.94
10	180°	230CA	1R	418.72	376.90	328.62	290.98	266.92	249.64	236.35	216.81	3.74
	210°	230CA	1R	446.94	399.07	324.14	287.02	263.29	246.24	233.13	213.86	3.63
	240°	230CA	1R	625.21	541.26	439.64	389.29	357.10	333.98	316.20	290.06	4.19
	270°	230CA	1R	645.64	530.94	431.26	381.86	350.29	327.61	310.17	284.52	4.11
12	120°	230CA	1R	349.83	314.84	266.14	235.66	216.17	168.48	159.51	146.32	2.93
	150°	230CA	1R	508.97	377.87	306.92	271.74	249.30	233.16	220.75	202.49	3.30
	180°	230CA	1R	638.84	456.20	370.55	328.11	300.98	281.49	266.51	244.47	3.61
	210°	230CA	1R	672.88	447.04	363.11	321.52	294.94	275.84	261.16	239.56	3.51
	240°	230CA	1R	698.12	437.47	355.33	314.64	288.62	269.93	255.57	234.43	3.44
15	270°	230CA	1R	717.16	428.00	347.64	307.83	282.38	264.09	250.03	229.36	3.38
	150°	230CA	1R	396.06	356.45	356.45	356.45	331.21	195.90	185.48	170.14	2.68
	180°	230CA	1R	425.56	383.00	383.00	354.35	325.05	192.26	182.03	166.98	2.61
	210°	230CA	1R	605.25	407.73	331.18	293.25	269.00	251.58	238.19	218.49	3.01
	240°	230CA	1R	620.22	396.53	322.08	285.19	261.61	244.67	231.65	212.50	2.96
16	270°	230CA	1R	631.15	386.12	313.63	277.71	254.75	238.25	225.57	206.92	2.92
	150°	230CA	1R	407.00	366.30	366.30	366.30	344.45	203.73	192.89	176.94	2.65
	180°	230CA	1R	434.91	391.42	391.42	367.49	337.11	199.40	188.78	173.17	2.58
	210°	230CA	1R	454.79	409.31	405.23	358.82	329.15	194.68	184.32	169.08	2.54
	240°	230CA	1R	469.26	422.33	395.46	350.17	321.21	189.99	179.89	165.01	2.50
16	270°	230CA	1R	480.01	432.01	386.08	341.86	313.59	185.49	175.62	161.09	2.47

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ROLLER GEAR INDEX DRIVES

230CA 출력 TORQUE 표

CAM 곡선 : YMCV곡선

1 DWELL

등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
2	330°	230CA	1R	250.65	163.24	132.59	117.40	107.70	100.72	95.36	87.48	3.94
3	270°	230CA	1R	186.14	145.07	117.84	104.34	95.71	89.52	84.75	77.74	3.10
	300°	230CA	1R	201.05	146.08	118.66	105.07	96.38	90.14	85.34	78.28	3.02
4	240°	230CA	1R	310.51	226.50	183.97	162.90	149.43	139.76	132.32	121.38	3.53
	270°	230CA	1R	331.36	225.86	183.45	162.44	149.01	139.36	131.94	121.03	3.43
5	210°	230CA	1R	223.18	192.32	156.21	138.33	126.88	118.67	112.35	103.06	2.91
	240°	230CA	1R	242.17	192.47	156.33	138.43	126.98	118.76	112.44	103.14	2.82
6	180°	230CA	1R	520.80	408.04	331.43	293.47	269.21	251.77	238.37	218.66	4.61
	210°	230CA	1R	707.95	547.05	444.34	393.45	360.92	337.53	319.58	293.16	5.15
8	150°	230CA	1R	548.15	493.33	424.10	375.53	344.48	322.17	305.02	279.80	4.50
	180°	230CA	1R	591.22	513.39	417.00	369.24	338.71	316.78	299.92	275.12	4.32
10	120°	230CA	1R	349.15	314.23	298.21	264.05	242.22	226.53	214.48	196.74	3.34
	150°	230CA	1R	448.08	403.27	359.03	317.91	291.62	272.74	258.22	236.87	3.62
12	120°	230CA	1R	533.56	414.08	336.34	297.82	273.19	255.50	241.90	221.90	3.22
	150°	230CA	1R	574.40	401.82	326.38	289.00	265.10	247.94	234.74	215.33	3.10
15	120°	230CA	1R	415.97	374.37	374.37	374.37	362.93	214.67	203.24	186.44	2.63
	150°	230CA	1R	447.73	402.95	402.95	383.89	352.15	208.29	197.21	180.90	2.55
16	120°	230CA	1R	425.88	383.30	383.30	383.30	376.74	222.81	210.98	193.53	2.60
	150°	230CA	1R	455.57	410.01	410.01	397.27	364.42	215.55	204.08	187.20	2.53

ROLLER GEAR INDEX DRIVES

230CA 출력 TORQUE 표

CAM 곡선 : YMS곡선

2 DWELL

등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	등 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
16	210°	230CA	2R	546.48	491.83	471.28	417.30	382.80	358.01	338.95	310.93	4.50
	240°	230CA	2R	732.53	659.28	633.15	560.64	514.28	480.98	455.38	417.73	5.06
	270°	230CA	2R	766.92	690.23	625.35	553.73	507.95	475.06	449.77	412.58	4.94
20	180°	230CA	2R	359.18	323.27	323.27	291.96	267.82	250.48	237.15	217.54	3.30
	210°	230CA	2R	446.94	402.25	399.07	353.36	324.14	303.16	287.02	263.29	3.62
	240°	230CA	2R	625.21	562.69	541.26	479.27	439.64	411.17	389.29	357.10	4.19
	270°	230CA	2R	645.64	581.08	530.94	470.13	431.26	403.33	381.86	350.29	4.10
24	180°	230CA	2R	545.89	456.60	370.87	328.39	301.24	281.73	266.74	244.68	3.19
	210°	230CA	2R	573.32	446.78	362.90	321.34	294.77	275.68	261.01	239.42	3.10
	240°	230CA	2R	593.51	436.73	354.73	314.11	288.13	269.48	255.13	234.04	3.04
	270°	230CA	2R	717.16	526.93	428.00	378.98	347.65	325.13	307.83	282.38	3.38
32	180°	230CA	2R	434.91	391.42	391.42	391.42	391.42	245.48	232.42	213.20	2.58
	210°	230CA	2R	454.79	409.31	409.31	409.31	405.23	239.69	226.93	208.17	2.53
	240°	230CA	2R	469.26	422.33	422.33	422.33	395.46	233.91	221.46	203.15	2.50
	270°	230CA	2R	480.01	432.01	432.01	420.88	386.08	228.36	216.21	198.33	2.47

ROLLER GEAR INDEX DRIVES												
330CA 출력 TORQUE 표					1 DWELL							
CAM 곡선 : YMS곡선												
등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
4	270°	330CA	1R	622.94	560.65	477.29	422.62	387.68	362.57	343.27		7.65
5	240°	330CA	1R	527.86	475.08	244.99	376.31	345.20	322.84	305.66		6.37
	270°	330CA	1R	565.38	508.85	424.56	375.94	344.85	322.52	305.36	280.11	6.16
6	180°	330CA	1R	793.33	714.00	691.04	611.89	561.30	524.95	497.01		9.60
	210°	330CA	1R	1112.26	1001.04	927.95	821.67	753.73	704.93	667.41	612.22	10.50
	240°	330CA	1R	1296.93	1167.24	1033.00	914.69	839.06	784.73	742.96	681.52	10.84
	270°	330CA	1R	1381.51	1243.36	1029.14	911.27	835.92	781.79	740.18	678.98	10.50
8	180°	330CA	1R	950.09	855.08	855.08	791.97	726.49	679.45	643.28	590.09	8.78
	210°	330CA	1R	1309.48	1178.53	1178.53	1056.59	969.23	906.47	858.22	787.26	9.68
	240°	330CA	1R	1393.02	1253.71	1182.40	1046.98	960.41	898.22	850.41	780.09	9.38
	270°	330CA	1R	1566.12	1409.51	1298.37	1149.66	1054.60	986.32	933.82	856.60	9.81
10	180°	330CA	1R	824.15	741.74	741.74	680.78	624.49	584.05	552.96	507.24	6.64
	210°	330CA	1R	1132.18	1018.96	1018.96	923.95	847.55	792.65	750.48	688.43	8.01
	240°	330CA	1R	1185.13	1066.62	1025.66	908.19	833.10	779.15	737.68	676.68	7.80
	270°	330CA	1R	1569.84	1412.86	1357.30	1201.84	1102.47	1031.08	976.20	895.48	8.76
12	120°	330CA	1R	426.06	383.45	383.45	383.45	383.45	367.35			5.09
	150°	330CA	1R	634.39	570.95	570.95	570.95	548.00	512.52	485.24	445.12	5.73
	180°	330CA	1R	871.58	784.42	784.42	784.42	728.40	681.23	644.97	591.64	6.38
	210°	330CA	1R	922.69	830.42	830.42	780.08	715.58	669.25	633.62	581.23	6.20
	240°	330CA	1R	961.11	865.00	863.83	764.90	701.65	656.22	621.29	569.92	6.07
	270°	330CA	1R	990.42	891.37	846.46	769.51	687.54	643.02	608.79	558.45	5.96
15	150°	330CA	1R	525.47	472.92	472.92	472.92	447.28	418.32	396.05	363.30	4.63
	180°	330CA	1R	742.10	667.89	667.89	667.89	615.27	575.43	544.80	499.75	5.31
	210°	330CA	1R	772.93	695.64	695.64	653.58	599.54	560.72	530.87	486.98	5.19
	240°	330CA	1R	795.12	715.61	715.61	636.87	584.21	546.38	517.30	474.52	5.09
	270°	330CA	1R	811.50	730.35	701.38	621.05	569.70	532.81	504.45	462.74	5.02
16	150°	330CA	1R	537.36	483.62	483.62	483.62	463.67	433.65	410.57	376.62	4.57
	180°	330CA	1R	755.70	680.13	680.13	680.13	636.45	595.24	563.55	516.96	5.25
	210°	330CA	1R	784.16	705.74	705.74	674.82	619.02	578.94	548.12	502.80	5.14
	240°	330CA	1R	804.45	724.00	724.00	656.65	602.36	563.35	533.37	489.27	5.05
	270°	330CA	1R	819.30	737.37	722.42	639.68	586.79	548.79	519.58	476.62	4.99

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ROLLER GEAR INDEX DRIVES

330CA 출력 TORQUE 표

CAM 곡선 : YMCV곡선

1 DWELL

등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
2	330°	330CA	1R	445.14	352.31	286.16	253.39	232.44				6.93
3	270°	330CA	1R	511.69	444.85	361.33	319.94	293.49	274.49			6.47
	300°	330CA	1R	689.69	598.86	486.42	430.71	395.10	369.52	349.85		7.27
4	240°	330CA	1R	715.98	652.61	530.09	469.37	430.56	402.68	381.25		7.14
	270°	330CA	1R	979.19	881.27	724.62	641.62	588.57	550.46	521.16	478.07	8.65
5	210°	330CA	1R	751.58	676.43	631.80	559.44	513.18	479.95	454.40	416.83	6.95
	240°	330CA	1R	801.98	721.78	627.01	555.20	509.29	476.31	450.96	413.67	6.74
6	180°	330CA	1R	1243.82	1119.43	1027.75	910.04	834.79	780.73	739.18		9.94
	210°	330CA	1R	1444.29	1299.86	1134.66	1004.71	921.63	861.95	816.08	748.60	10.26
8	150°	330CA	1R	1032.66	929.39	939.39	872.09	799.98	748.18	708.36	649.79	8.42
	180°	330CA	1R	1117.52	1005.77	970.03	858.93	787.91	736.89	697.67	639.98	8.07
10	120°	330CA	1R	801.98	721.78	721.78	721.78	695.71	650.66	616.03		6.74
	150°	330CA	1R	1134.96	1021.46	1021.46	1021.46	938.72	877.94	831.21	762.48	8.00
12	120°	330CA	1R	669.96	602.96	602.96	602.96	602.15	563.15	533.18		5.59
	150°	330CA	1R	924.73	832.26	832.26	832.26	792.46	741.14	701.70	643.68	6.20
15	120°	330CA	1R	727.98	655.19	655.19	655.19	655.19	643.65	609.39		5.36
	150°	330CA	1R	774.12	696.71	696.71	696.71	663.73	620.75	587.71	539.12	5.18
16	120°	330CA	1R	742.57	668.31	668.31	668.31	668.31	666.36	630.89		5.31
	150°	330CA	1R	785.26	706.73	706.73	706.73	685.25	640.88	606.76	556.59	5.14

ROLLER GEAR INDEX DRIVES

330CA 출력 TORQUE 표

CAM 곡선 : YMS곡선

2 DWELL

등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
16	210°	330CA	2R	1029.38	926.44	926.44	926.44	888.91	831.35	787.10	722.02	8.43
	240°	330CA	2R	1393.02	1253.71	1253.71	1253.71	1182.40	1150.84	1046.98	960.41	9.38
	270°	330CA	2R	1566.12	1409.51	1409.51	1409.51	1298.37	1214.30	1149.68	1054.60	9.81
20	180°	330CA	2R	649.60	584.64	584.64	584.64	570.26	533.34	504.95	463.20	5.73
	210°	330CA	2R	1132.18	1018.96	1018.96	1018.96	1018.96	975.89	923.95	847.55	8.01
	240°	330CA	2R	1515.25	1363.72	1363.72	1363.72	1363.72	1291.99	1223.22	1122.08	8.95
24	270°	330CA	2R	1569.84	1412.86	1412.86	1412.86	1357.30	1269.41	1201.84	1102.47	8.76
	180°	330CA	2R	871.58	784.42	784.42	784.42	784.42	784.42	784.42	728.40	6.38
	210°	330CA	2R	922.69	830.42	830.42	830.42	830.42	823.94	780.08	715.58	6.20
32	240°	330CA	2R	1246.11	1121.54	1121.54	1121.54	1121.54	1066.98	1010.18	926.65	7.56
	270°	330CA	2R	1278.80	1150.92	1150.92	1150.92	1115.57	1043.33	987.80	906.12	7.42
	180°	330CA	2R	755.70	680.13	680.13	680.13	680.13	680.13	680.13	636.45	5.25
	210°	330CA	2R	784.16	705.74	705.74	705.74	705.74	705.74	674.82	619.02	5.14
	240°	330CA	2R	804.45	724.00	724.00	724.00	724.00	693.57	656.65	602.36	5.05
	270°	330CA	2R	819.30	737.37	737.37	737.37	722.42	675.64	639.68	586.79	4.99

ROLLER GEAR INDEX DRIVES

450CA 출력 TORQUE 표

CAM 곡선 : YMS곡선

1 DWELL

등분수	할부각	기종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m) 입 력 축 회 전 수 (r.p.m)							마찰 Torque (kgf.m)
					25	50	75	100	125	150	200	
4	270°	450CA	1R	1607.69	1417.80	1151.61	1019.71	935.40	874.83	828.26		15.59
5	240°	450CA	1R	1584.78	1426.30	1232.68	1091.50	1001.25	936.41	886.57		14.08
	270°	450CA	1R	1681.71	1509.06	1225.73	1085.35	995.61	931.14	881.58		13.60
6	180°	450CA	1R	2695.92	2426.33	2245.34	1988.18	1823.79	1705.69	1614.90		19.77
	210°	450CA	1R	2938.85	2644.96	2238.38	1982.01	1818.13	1700.40	1609.89	1476.78	18.81
	240°	450CA	1R	3136.81	2735.28	2221.73	1967.27	1804.61	1687.76	1597.92	1465.80	18.09
	270°	450CA	1R	3298.22	2707.39	2199.08	1947.22	1786.21	1670.55	1581.63	1450.85	17.53
8	180°	450CA	1R	3136.81	2823.13	2823.13	2511.79	2304.10	2154.91	2040.21	1871.51	18.09
	210°	450CA	1R	3345.17	3010.65	2796.92	2476.65	2271.86	2124.76	2011.66	1845.33	17.37
	240°	450CA	1R	3504.93	3154.44	2750.58	2435.55	2234.17	2089.50	1978.28	1814.71	16.83
	270°	450CA	1R	3628.70	3265.83	2701.56	2392.14	2194.35	2052.26	1943.02	1782.36	16.41
10	180°	450CA	1R	3354.01	3018.61	3018.61	2770.40	2541.33	2376.78	2250.27	2064.20	16.87
	210°	450CA	1R	3600.58	3240.52	3224.31	2855.03	2618.96	2449.38	2319.00	2127.25	16.50
	240°	450CA	1R	3725.73	3353.16	3151.08	2790.18	2559.47	2393.74	2266.33	2078.94	16.07
	270°	450CA	1R	3819.48	3437.53	3079.71	2726.99	2501.50	2339.53	2215.00	2031.85	15.73
12	120°	450CA	1R	1327.88	1195.09	1195.09	1195.09	1195.09	1118.15	1058.64		11.73
	150°	450CA	1R	1883.54	1695.18	1695.18	1692.90	1552.92	1452.36	1375.06	1261.36	12.65
	180°	450CA	1R	2145.94	1931.35	1931.35	1835.88	1684.08	1575.03	1491.20	1367.90	13.02
	210°	450CA	1R	2236.63	2012.97	2012.97	1789.57	1641.60	1535.30	1453.58	1333.39	12.65
	240°	450CA	1R	2302.04	2071.84	1969.87	1744.26	1600.03	1496.43	1416.78	1299.63	12.37
	270°	450CA	1R	2350.35	2115.32	1921.33	1701.27	1560.60	1459.55	1381.86	1267.60	12.16
15	150°	450CA	1R	1585.54	1426.99	1426.99	1426.99	1334.51	1248.10	1181.66	1083.96	10.63
	180°	450CA	1R	1662.34	1496.10	1496.10	1410.32	1293.71	1209.94	1145.54	1050.82	10.31
	210°	450CA	1R	1714.40	1542.96	1542.96	1367.51	1254.44	1173.21	1110.76	1018.92	10.07
	240°	450CA	1R	2228.74	2005.86	1970.33	1744.66	1600.41	1496.78	1417.11	1299.93	11.23
	270°	450CA	1R	2260.60	2034.54	1915.47	1696.09	1555.85	1455.10	1377.65	1263.74	11.07
16	150°	450CA	1R	1614.69	1453.22	1453.22	1453.22	1379.27	1289.96	1221.30	1120.32	10.51
	180°	450CA	1R	1685.50	1516.95	1516.95	1454.45	1334.18	1247.79	1181.38	1083.69	10.20
	210°	450CA	1R	1732.98	1559.69	1559.69	1408.14	1291.71	1208.07	1143.77	1049.19	9.99
	240°	450CA	1R	1766.04	1589.44	1542.34	1365.69	1252.77	1171.65	1109.28	1017.56	9.82
	270°	450CA	1R	1789.83	1610.85	1498.78	1327.12	1217.39	1138.56	1077.96	988.83	9.70

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ROLLER GEAR INDEX DRIVES

450CA 출력 TORQUE 표

CAM 곡선 : YMCV곡선

1 DWELL

등 분 수	할 부 각	기 종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
2	330°	450CA	1R	1361.73	1036.98	842.29	745.82	684.15				15.32
3	270°	450CA	1R	1542.15	1295.92	1052.61	932.05	854.99	799.62			14.30
	300°	450CA	1R	1752.35	1428.52	1160.32	1027.42	942.47	881.44			14.82
4	240°	450CA	1R	2976.35	2678.72	2191.93	1940.88	1780.40	1665.12	1576.49		18.18
	270°	450CA	1R	3214.45	2821.28	2291.89	2029.13	1861.35	1740.83	1648.17		17.81
5	210°	450CA	1R	1880.41	1692.37	1491.02	1320.25	1211.09	1132.67			14.20
	240°	450CA	1R	1980.28	1782.25	1470.02	1301.65	1194.03	1116.71	1057.27		13.73
6	180°	450CA	1R	3214.45	2893.00	2451.79	2170.98	1991.47	1862.52	1763.38		17.81
	210°	450CA	1R	3413.93	2970.17	2412.53	2136.22	1959.58	1832.70	1735.15		17.13
8	150°	450CA	1R	3353.57	3018.21	3018.21	2743.13	2516.32	2353.38	2228.12	2043.88	17.34
	180°	450CA	1R	3565.18	3208.67	3024.18	2677.81	2456.40	2297.34	2175.06	1995.21	16.62
10	120°	450CA	1R	1980.28	1782.25	1782.25	1778.11	1631.09	1525.47			13.73
	150°	450CA	1R	3528.31	3175.48	3175.48	3001.23	2753.07	2574.81	2437.76		16.28
12	120°	450CA	1R	2104.49	1894.04	1894.04	1894.04	1883.45	1761.49			13.18
	150°	450CA	1R	2240.16	2016.14	2016.14	1981.20	1817.39	1699.71	1609.24		12.63
15	120°	450CA	1R	1637.98	1474.19	1474.19	1474.19	1450.30	1356.40			10.41
	150°	450CA	1R	2186.99	1968.23	1968.29	1968.29	1825.41	1707.21	1616.34		11.42
16	120°	450CA	1R	1663.14	1496.83	1696.83	1496.83	1496.73	1399.81			10.32
	150°	450CA	1R	1734.79	1561.31	1561.31	1558.51	1429.65	1337.08	1265.91		9.98

ROLLER GEAR INDEX DRIVES

450CA 출력 TORQUE 표

CAM 곡선 : YMS곡선

2 DWELL

등 분 수	할 부 각	기 종	CODE	정정격출력 Torque (kgf.m)	동 정 격 출 력 Torque(kgf. m)							마찰 Torque (kgf.m)
					입 력 축 회 전 수 (r.p.m)							
					25	50	75	100	125	150	200	
16	210°	450CA	2R	3345.17	3010.65	3010.65	3010.65	2796.99	2615.88	2476.65	2271.86	17.37
	240°	450CA	2R	3504.93	3154.44	3154.44	2998.51	2750.58	2572.48	2435.55	2234.17	16.83
	270°	450CA	2R	3628.70	3265.83	3326.01	2945.07	2701.56	2526.63	2392.14	2194.35	16.41
20	180°	450CA	2R	3354.01	3018.61	3018.61	3018.61	3018.61	2926.16	2770.40	2541.33	16.87
	210°	450CA	2R	3600.58	3240.52	3240.52	3240.52	3224.31	3015.53	2855.03	2618.96	16.50
	240°	450CA	2R	3725.73	3353.16	3353.16	3353.16	3151.08	2947.04	2790.18	2559.47	16.07
	270°	450CA	2R	3819.48	3437.53	3437.53	3357.31	3079.71	2880.30	2726.99	2501.50	15.73
24	180°	450CA	2R	2145.94	1931.35	1931.35	1931.35	1931.35	1931.35	1835.88	1684.08	13.02
	210°	450CA	2R	2236.63	2012.97	2012.97	2012.97	2021.04	1890.18	1789.57	1641.60	12.65
	240°	450CA	2R	2302.04	2071.84	2071.84	2071.84	1969.87	1842.32	1744.26	1600.03	12.37
	270°	450CA	2R	2350.35	2115.32	2115.32	2094.51	1921.33	1796.92	1701.27	1560.60	12.16
32	180°	450CA	2R	1685.50	1516.95	1516.95	1516.95	1516.95	1516.95	1454.45	1334.18	10.20
	210°	450CA	2R	1732.98	1559.69	1559.69	1559.69	1559.69	1487.31	1408.14	1291.71	9.99
	240°	450CA	2R	1766.04	1589.44	1589.44	1589.44	1542.34	1442.47	1365.69	1252.77	9.82
	270°	450CA	2R	1789.83	1610.85	1610.85	1610.85	1498.78	1401.73	1327.12	1217.39	9.70

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