PE-EI

Electromagnetic

Clutch and Brake

Advance technology

CE

ISO 9002 SGS

Table 1

Light/medium duty applications safety factor k=2.0

Kw	Hp	Clutch or brake shaft speed R P M																		
		100	150	200	300	400	500	600	700	800	900	1000	1200	1500	1800	2000	2400	3000	3600	4000
0.1	1/8																			
0.125	1/6									S50							Mcro size			
0.2	1/4																			
0.25	1/3									M10										
0.4	1/2																			
0.55	3/4									M20										
0.75	1																			
1.1	1 1/2									M40										
1.5	2																			
2.2	3									M80										
3.7	5																			
5.5	7 1/2									T16										
7.5	10																			
11	5									T32										
15	20			Large	Size															
19	25																			

Table 1

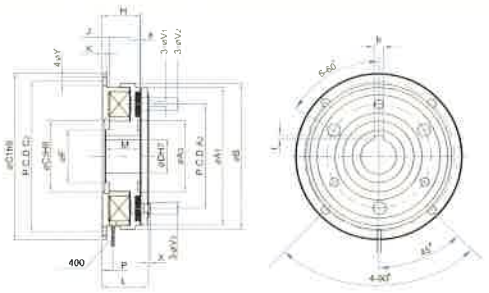
Heavy duty applications safety factor k=3.5

Kw	Hp	Clutch or brake shaft speed R P M																		
		100	150	200	300	400	500	600	700	800	900	1000	1200	1500	1800	2000	2400	3000	3600	4000
0.1	1/8									S50										
0.125	1/6																		Mcro size	
0.2	1/4									M10										
0.25	1/3																			
0.4	1/2									M20										
0.55	3/4																			
0.75	1									M40										
1.1	1 1/2																			
1.5	2									M80										
2.2	3																			
3.7	5									T16										
5.5	7 1/2																			
7.5	10									T32										
11	5																			
15	20			Large	Size															
19	25																			

Flange Guideless Seat Type

C-□□□-F01-□□

Torque Code / Aperture

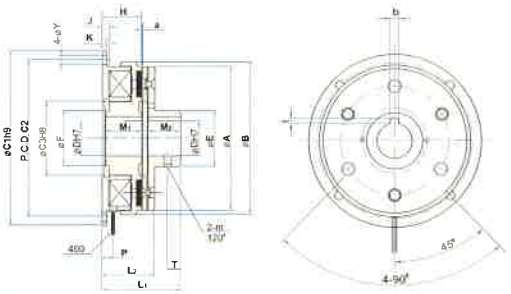


Characteristics								(mm) / Installation Size (mm)																						
Dynamic Torque	Dynamic Torque (kgfm)	Static Torque (kgfm)	Power (W/20°C)	Current (A/20°C)	Voltage DC-V	Highest RPM (r.p.m)	Weight (kgf)	A_1	A_2	A_3	B	C_1	C_2	C_3	F	H	J	K	L	M	P	V_1	V_2	V_3	X	Y	a	øD	b	t
S24	0.24	0.27	10	0.42	24V	10000	0.31	50	38	26	54	65	58	26	22	28	3.2	2	31.5	26	8	3.1	6.5	5	1	4.5		10	4	1.4
S50	0.5	0.55	11	0.46	24V	8000	0.46	63	46	34.5	67.5	80	72	35	24	24	3.6	2	28	22	7.5	3.1	6.3	5	1	5	0.2	12	4	1.8
M10	1.0	1.1	15	0.63	24V	6000	0.83	80	60	41.5	85	100	90	42	30.5	26.5	4.3	2.5	31	24	8	4.1	8	6.2	1.2	6	(+0.05 -0.05)	15	5	2.3
M20	2.0	2.2	20	0.83	24V	5000	1.50	100	76	51.5	106	125	112	52	40	30	5	3	36	27	9	5.1	11	8	1.5	7		20	5	2.3
M40	4.0	4.5	25	1.04	24V	4000	2.76	125	95	61.5	133	150	137	62	45	33.5	5.5	3.5	41	30	9	6.2	12	10	1.8	7	0.3	25	7	3.3
M80	8.0	9	35	1.46	24V	3000	5.10	160	120	79.5	169	190	175	80	62	37.5	6.1	4	47	34	11.5	8.2	15	13	2.2	9.5	(+0.05 -0.10)	30	7	3.3
T16	16	17.5	45	1.88	24V	2500	9.30	200	158	99.5	212.5	230	215	100	77	44	7	5	55.5	40	13	10.2	20	17.5	4	9.5	0.5	40	10	3.3
T32	32	35	60	2.50	24V	2000	17.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(+0.0 -0.2)	50	12	3.3
																												60	15	5

Flange Guide Seat Type

C-□□□-F02-□□

Torque Code / Aperture

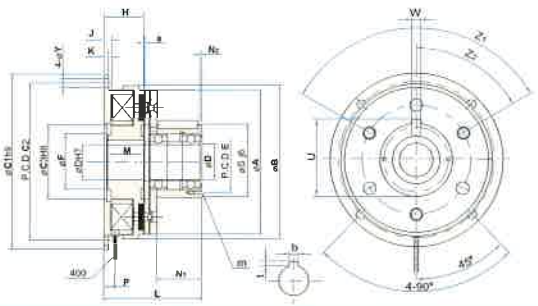


Characteristics								(mm) / Installation Size (mm)																							
Dynamic Torque	Dynamic Torque (kgfm)	Static Torque (kgfm)	Power (W/20°C)	Current (A/20°C)	Voltage DC-V	Highest RPM (r.p.m)	Weight (kgf)	A	B	C_1	C_2	C_3	E	F	H	J	K	L_1	L_2	M_1	M_2	P	T	Y	a	m	øD	b	t
S24	0.24	0.27	10	0.42	24V	10000	0.325	50	54	65	58	26	27	22	28	3.2	2	43.5	34.5	26	12	8	5	4.5		M4x0.7	10	4	1.4
S50	0.5	0.55	11	0.46	24V	8000	0.50	63	67.5	80	72	35	26	24	24	3.6	2	43	32	22	15	7.5	6	5	0.2	M4x0.7	12	4	1.8
M10	1.0	1.1	15	0.63	24V	6000	0.91	80	85	100	90	42	32	30.5	26.5	4.3	2.5	51	35	24	20	8	8	6	(+0.05 0.05)	M5x0.8	15	5	2.3
M20	2.0	2.2	20	0.83	24V	5000	1.66	100	106	125	112	52	42	40	30	5	3	61	41.5	27	25	9	10	7		M5x0.8	20	5	2.3
M40	4.0	4.5	25	1.04	24V	4000	3.05	125	133	150	137	62	49	45	33.5	5.5	3.5	71	47	30	30	9	12	7	0.3	M6x1.0	25	7	3.3
M80	8.0	9	35	1.46	24V	3000	5.40	160	169	190	175	80	65	62	37.5	6.1	4	85	54	34	38	11.5	15	9.5	(+0.05 0.10)	M8x1.25	30	7	3.3
T16	16	17.5	45	1.88	24V	2500	10.5	200	212.5	230	215	100	83	77	44	7	5	100.5	64.5	40	45	13	18	9.5	0.5	M8x1.25	40	10	3.3
T32	32	35	60	2.50	24V	2000	18.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(+0.0 -0.2)	M10x1.5	50	12	3.3
																											60	15	5

Flange Bearing Guide Seat Type

C-□□□-F04-□□

Torque Code / Aperture

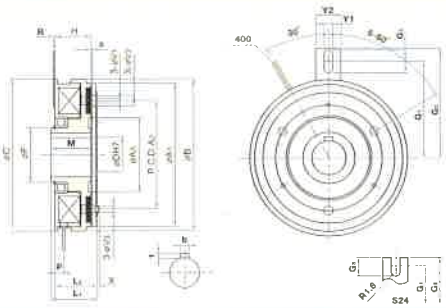


Characteristics								(mm) / Installation Size (mm)																											
Dynamic Torque	Dynamic Torque (kgfm)	Static Torque (kgfm)	Power (W/20°C)	Current (A/20°C)	Voltage DC-V	Highest RPM (r.p.m)	Weight (kgf)	A	B	C_1	C_2	C_3	E	F	H	J	K	L	M	N_1	N_2	P	Y	S	U	W	a	m	Z_1	Z_2	øD	b	t
S24	0.24	0.27	10	0.42	24V	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
S50	0.5	0.55	11	0.46	24V	8000	0.66	63	67.5	80	72	35	33	24	24	3.6	2	52	22	20.5	2	7.5	5	38	39.5	4	0.2	3-M4x0.7x4	60°	3-120°	12	4	1.8
M10	1.0	1.1	15	0.63	24V	6000	1.19	80	85	100	90	42	37	30.5	26.5	4.3	2.5	61	24	26	2	8	6	45	47	5	(+0.05 -0.05)	3-M4x0.7x6	60°	3-120°	15	5	2.3
M20	2.0	2.2	20	0.83	24V	5000	2.11	100	106	125	112	52	47	40	30	5	3	71	27	29.9	3	9	7	55	57	5		4-M4x0.7x8	45°	4-90°	20	5	2.3
M40	4.0	4.5	25	1.04	24V	4000	3.80	125	133	150	137	62	54	45	33.5	5.5	3.5	86.5	30	40	2	9	7	64	67	7	0.3	4-M4x0.7x8	45°	4-90°	25	7	3.3
M80	8.0	9	35	1.46	24V	3000	6.90	160	169	190	175	80	64	62	37.5	6.1	4	104	34	50	3	11.5	9.5	75	78	7	(+0.05 -0.10)	4-M5x0.8x8	45°	4-90°	30	7	3.3
T16	16	17.5	45	1.88	24V	2500	13.0	200	212.5	230	215	100	79	77	44	7	5	124.5	40	60	5	13	9.5	90	93	10	0.5	4-M6x1x12	45°	4-90°	40	10	3.3
T32	32	35	60	2.50	24V	2000	23.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(+0.0 -0.2)	-	-	-	-	-	-

Bearing Guideless Seat Type

C-□□□-R01-□□

Torque Code　　Aperture

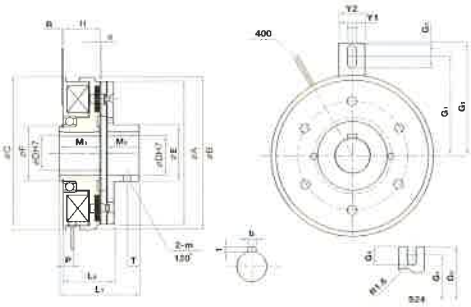


Characteristics								(mm) / Installation Size (mm)																										
Dynamic Torque	Dynamic Torque (kgfm)	Static Torque (kgfm)	Power (W/20°C)	Current (A/20°C)	Voltage DC-V	Highest RPM (r.p.m)	Weight (kgf)	A1	A2	A3	B	C	F	G1	G2	G3	H	L1	L2	M	P	R	V1	V2	V3	X	Y1	Y2	a	ØD	b	t
S24	0.24	0.27	10	0.42	24V	10000	0.28	50	38	26	54	54	15	28	31	4.6	24	27	27	24	8	1.6	3.1	6.5	5	1	3.2	8		10 15	4	5
S50	0.5	0.55	11	0.46	24V	8000	0.50	63	46	34.5	67.5	67.5	20	41.5	49.5	7	24	31	28	27	7.5	2	3.1	6.3	5	1	5	14	0.2	12	4	1.8
M10	1.0	1.1	15	0.63	24V	6000	0.87	80	60	41.5	85	85	25	57.5	65	9	26.5	34.5	31.5	29.5	8	2	4.1	8	6.2	1.2	6	16	(+0.05 -0.05)	15	5	2.3
M20	2.0	2.2	20	0.83	24V	5000	1.57	100	76	51.5	106	106	30	62.5	70	10	30	40	36	34	9	2	5.1	11	8	1.5	7	16		20	5	2.3
M40	4.0	4.5	25	1.04	24V	4000	2.89	125	95	61.5	133	133	40	77.5	85	10	33.5	44.5	40.5	37.5	9	2	6.2	12	10	1.8	7	16	0.3	25	7	3.3
M80	8.0	9	35	1.46	24V	3000	5.30	160	120	79.5	169	169	50	100	112	18	37.5	51.5	47	42	11.5	3.2	8.2	15	13	2.2	9	25	(+0.05 -0.10)	30	7	3.3

Bearing Guide Seat Type

C-□□□-R02-□□

Torque Code　　Aperture

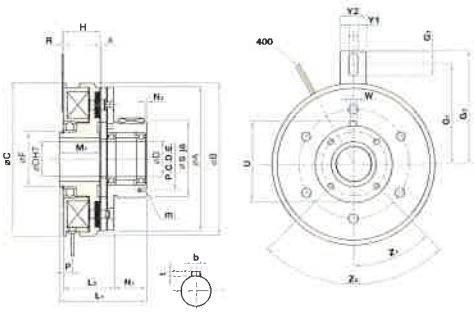


Characteristics								(mm) / Installation Size (mm)																										
Torque Code	Dynamic Torque (kgfm)	Static Torque (kgfm)	Power (W/20°C)	Current (A/20°C)	Voltage DC-V	Highest RPM (r.p.m)	Weight (kgf)	A1	B	C	E	F	G1	G2	G3	H	L1	L2	M1	M2	P	R	T	Y1	Y2	a	m	ØD	b	t
S24	0.24	0.27	10	0.42	24V	10000	0.3	50	54	54	27	15	28	31	4.6	24	39	30	24	12	8	1.6	5	3.2	8		M4x0.7	10 15	4	5
S50	0.5	0.55	11	0.46	24V	8000	0.54	63	67.5	67.5	26	20	41.5	49.5	7	24	46	31.5	27	15	7.5	2	6	5	14	0.2	M4x0.7	12	4	1.8
M10	1.0	1.1	15	0.63	24V	6000	0.95	80	85	85	32	25	57.5	65	9	26.5	54.5	35.5	29.5	20	8	2	8	6	16	(+0.05 -0.05)	M5x0.8	15	5	2.3
M20	2.0	2.2	20	0.83	24V	5000	1.73	100	106	106	42	30	62.5	70	10	30	65	41.5	34	25	9	2	10	7	16		M5x0.8	20	5	2.3
M40	4.0	4.5	25	1.04	24V	4000	3.18	125	133	133	49	40	77.5	85	10	33.5	74.5	46.5	37.5	30	9	2	12	7	16	0.3	M6x1.0	25	7	3.3
M80	8.0	9	35	1.46	24V	3000	5.60	160	169	169	65	50	100	112	18	37.5	89.5	54	42	38	11.5	3.2	15	9	25	(+0.05 -0.10)	M8x1.25	30	7	3.3

Bearing Guide Seat Type

C-□□□-R04-□□

Torque Code　　Aperture

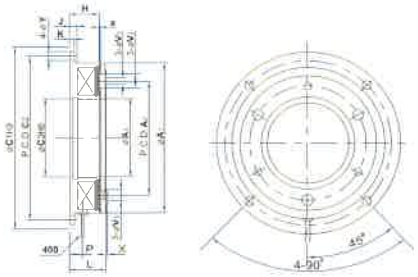


Characteristics								(mm) / Installation Size (mm)																																
Torque Code	Dynamic Torque (kgfm)	Static Torque (kgfm)	Power (W/20°C)	Current (A/20°C)	Voltage DC-V	Highest RPM (r.p.m)	Weight (kgf)	A	B	C	E	F	G1	G2	G3	H	L1	L2	M	N1	N2	P	R	S	U	W	Y1	Y2	a	m	Z1	Z2	ØD	b	t
S24	0.24	0.27	10	0.42	24V	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-			-	-	-
S50	0.5	0.55	11	0.46	24V	8000	0.70	63	67.5	67.5	33	20	41.5	49.5	7	24	55	31.5	27	20.5	2	7.5	2	38	39.5	4	5	14	0.2	3-M4x0.7x4	0°	3-120°	12	4	1.8
M10	1.0	1.1	15	0.63	24V	6000	1.23	80	85	85	37	25	57.5	65	9	26.5	64.5	35.5	29.5	26	2	8	2	45	47	5	6	16	(+0.05 -0.05)	3-M4x0.7x6	0°	3-120°	15	5	2.3
M20	2.0	2.2	20	0.83	24V	5000	2.18	100	106	106	47	30	62.5	70	10	30	75	41.5	34	30	3	9	2	55	57	5	7	16		4-M4x0.7x6	45°	4-90°	20	5	2.3
M40	4.0	4.5	25	1.04	24V	4000	3.93	125	133	133	54	40	77.5	85	10	33.5	90.5	46.5	37.5	40	2	9	2	64	67	7	7	16	0.3	4-M4x0.7x6	45°	4-90°	25	7	3.3
M80	8.0	9	35	1.46	24V	3000	7.10	160	169	169	64	50	100	112	18	37.5	108.5	54	42	50	3	11.5	3.2	75	78	7	9	25	(+0.05 -0.10)	4-M5x0.8x8	30°	6-60°	30	7	3.3

Flange Guideless Seat Type

B-□□□-F01

Torque Code

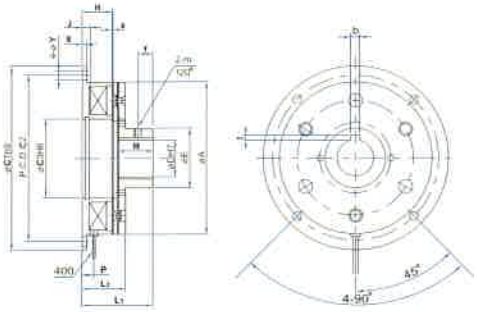


Characteristics								(mm) / Installation Size (mm)															
Torque Code	Dynamic Torque (kgfm)	Static Torque (kgfm)	Power (W/20°C)	Current (A/20°C)	Voltage DC-V	Highest RPM (r.p.m)	Weight (kgf)	A1	A2	A3	C1	C2	C3	H	J	K	L	P	V1	V2	V3	X	Y	a
S24	0.24	0.27	10	0.42	24V	10000	0.2	50	38	26	65	58	26	22	3.2	2	25	8	3.1	6.5	5	1	4.5	
S50	0.5	0.55	11	0.46	24V	8000	0.28	63	46	34.5	80	72	35	18	3.6	2	22	7.5	3.1	6.3	6	1	5	0.2 (+0.05 -0.05)
M10	1.0	1.1	15	0.63	24V	6000	0.50	80	60	41.5	100	90	42	20	4.3	2.5	25	8	4.1	8	6.2	1.2	6	
M20	2.0	2.2	20	0.83	24V	5000	0.91	100	76	51.5	125	112	52	22	5	3	28	9	5.1	11	8	1.5	7	
M40	4.0	4.5	25	1.04	24V	4000	1.68	125	95	61.5	150	137	62	24	5.5	3.5	31	9	6.2	12	10	1.8	7	0.3 (+0.05 -0.10)
M80	8.0	9	35	1.46	24V	3000	3.15	160	120	79.5	190	175	80	26	6.1	4	35.5	11.5	8.2	15	13	2.2	9.5	
T16	16	17.5	45	1.88	24V	2500	5.90	200	158	99.5	230	215	100	30	7	5	41.5	13	10.2	20	17.5	4	9.5	0.5 (+0.0 -0.2)
T32	32	35	60	2.50	24V	2000	10.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Flange Guide Seat Type

B-□□□-F02-□□

Torque Code Aperture

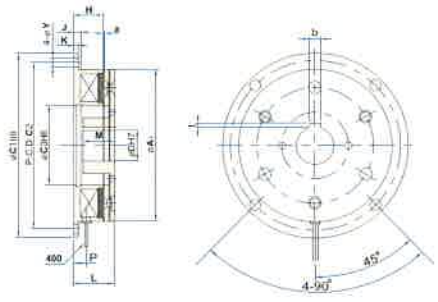


Characteristics								(mm) / Installation Size (mm)																			
Torque Code	Dynamic Torque (kgfm)	Static Torque (kgfm)	Power (W/20°C)	Current (A/20°C)	Voltage DC-V	Highest RPM (r.p.m)	Weight (kgf)	A	C1	C2	C3	E	H	J	K	L1	L2	M	P	T	Y	a	m	øD		b		t	
S24	0.24	0.27	10	0.42	24V	10000	0.23	50	65	58	26	27	22	3.2	2	37	28	12	8	5	4.5			10	15	4	5	1.8	2.3
S50	0.5	0.55	11	0.46	24V	8000	0.32	63	80	72	35	26	18	3.6	2	37	25.5	15	7.5	6	5	0.2 (+0.05 -0.05)	M4x0.7	12	15	4	5	1.8	2.3
M10	1.0	1.1	15	0.63	24V	6000	0.58	80	100	90	42	32	20	4.3	2.5	45	29	20	8	8	6		M5x0.8	15	20	5	5	2.3	2.3
M20	2.0	2.2	20	0.83	24V	5000	1.07	100	125	112	52	42	22	5	3	53	33.5	25	9	10	7			20	25	5	7	2.3	3.3
M40	4.0	4.5	25	1.04	24V	4000	1.97	125	150	137	62	49	24	5.5	3.5	61	37	30	9	12	7	0.3 (+0.05 -0.10)	M6x1.0	25	30	7	7	3.3	3.3
M80	8.0	9	35	1.46	24V	3000	3.45	160	190	175	80	65	26	6.1	4	73.5	42.5	38	11.5	15	9.5		M8x1.25	30	40	7	10	3.3	3.3
T16	16	17.5	45	1.88	24V	2500	7.10	200	230	215	100	83	30	7	5	86.5	50.5	45	13	18	9.5	0.5 (+0.0 -0.2)	M8x1.25	40	50	10	12	3.3	3.3
T32	32	35	60	2.50	24V	2000	12.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-								

Flange Type Reverse Mounted Guide Seat Type

B-□□□-F03-□□

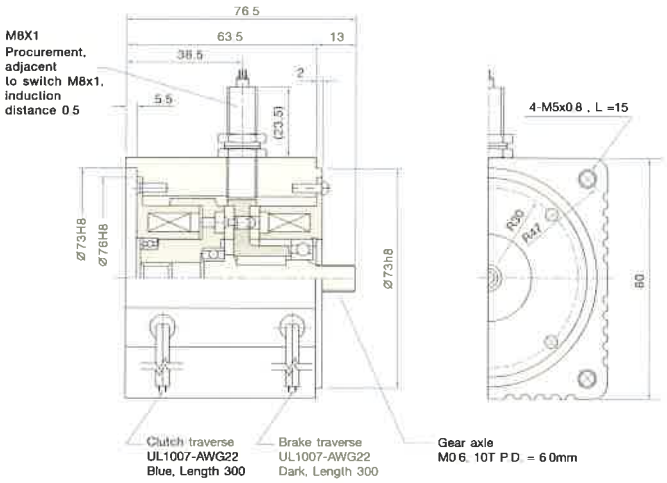
Torque Code Aperture



Characteristics								(mm) / Installation Size (mm)																	
Torque Code	Dynamic Torque (kgfm)	Static Torque (kgfm)	Power (W/20°C)	Current (A/20°C)	Voltage DC-V	Highest RPM (r.p.m)	Weight (kgf)	A1	C1	C2	C3	H	J	K	L	M	P	Y	a	øD		b		t	
S24	0.24	0.27	10	0.42	24V	10000	0.23	50	65	58	26	22	3.2	2	28	12	8	4.5		10	15	4	5	1.8	2.3
S50	0.5	0.55	11	0.46	24V	8000	0.28	63	80	72	35	18	3.6	2	25.5	15	7.5	5	0.2 (+0.05 -0.05)	12	15	4	5	1.8	2.3
M10	1.0	1.1	15	0.63	24V	6000	0.50	80	100	90	42	20	4.3	2.5	29	20	8	6		15	20	5	5	2.3	2.3
M20	2.0	2.2	20	0.83	24V	5000	0.91	100	125	112	52	22	5	3	33.5	25	9	7		20	25	5	7	2.3	3.3
M40	4.0	4.5	25	1.04	24V	4000	1.68	125	150	137	62	24	5.5	3.5	37	30	9	7	0.3 (+0.05 -0.10)	25	30	7	7	3.3	3.3
M80	8.0	9	35	1.46	24V	3000	3.15	160	190	175	80	26	6.1	4	42.5	38	11.5	9.5		30	40	7	10	3.3	3.3
T16	16	17.5	45	1.88	24V	2500	5.90	200	230	215	100	30	7	5	50.5	45	13	9.5	0.5 (+0.0 -0.2)	40	50	10	12	3.3	3.3
T32	32	35	60	2.50	24V	2000	10.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-	

Mini Clutch and Brake in One

S-S24-A26-1

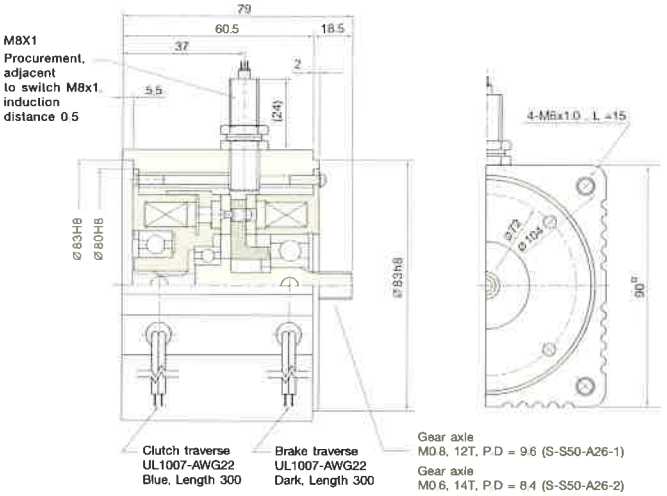


Specifications	Clutch	Brake	Specifications	Clutch	Brake
Field Voltage DC (V)	24		Torque Setup Time (msec)	20	20
Static Friction Torque (kgf-cm)	17	17	Discharging Time (msec)	25	25
Dynamic Friction Torque (kgf-cm)	17	17	Movement Frequency (round/min)	100	100
Power (W)	10	10	Traverse (AWG22,L=300)	Blue	Dark
Insulation Grade	E	E	Lining Plate	Non-asbestos semi-ferrous system	
Attraction Time (msec)	15	15			

Mini Clutch and Brake in One

S-S50-A26-□

1 MO.8 12T 90W
2 MO.6 14T 60W
40W



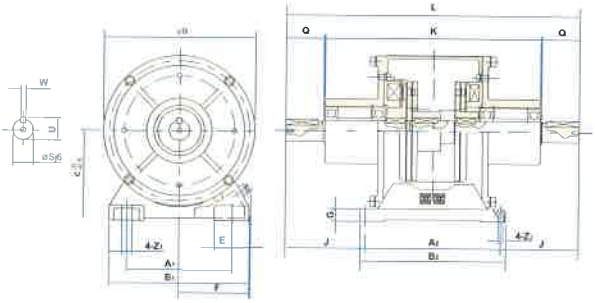
Specifications	Clutch	Brake	Specifications	Clutch	Brake
Field Voltage DC (V)	24		Torque Setup Time (msec)	20	20
Static Friction Torque (kgf-cm)	38	38	Discharging (msec)	25	25
Dynamic Friction Torque (kgf-cm)	35	35	Movement Frequency (round/min)	100	100
Power (W)	11	11	Traverse (AWG,L=300)	Blue	Dark
Insulation Grade	E	E	Lining Plate	Non-asbestos semi-ferrous system	
Attraction Time (msec)	15	15			

Electromagnetic clutch and brake

Single Clutch with Two Bearings

S- □□□ -A21

Torque Code

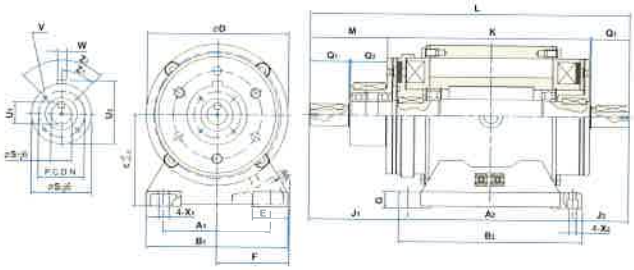


Characteristics							(mm) / Installation Size (mm)																	
Torque Code	Dynamic Torque (kgfm)	Static Torque (kgfm)	Power (W/20°C)	Voltage DC-V	Horse Power	Weight (kgf)	A1	A2	B1	B2	C	D	E	F	G	J	K	L	Z1	Z2	Q	S	U	W
S50	0.5	0.55	11	24V	200W	2.6	65	90	90	105	65	100	28	60	10	48.5	132	187	13.5	6.5	25	11	12.5	4
M10	1.0	1.1	15	24V	400W	4.5	80	110	110	130	80	125	32	68	12	63	171	236	15	9	30	14	16	5
M20	2.0	2.2	20	24V	750W	7.7	105	135	140	160	90	150	35	81	15	80	209	295	20	11	40	19	21	5
M40	4.0	4.5	25	24V	1.5KW	14	135	160	175	185	112	190	42	97	15	108	270	376	24	11	50	24	27	7
M80	8.0	9	35	24V	2.2KW	27	155	200	200	230	132	230	45	110	18	145	362	490	28	14	60	28	31	7
T16	16	17.5	45	24V	5.6KW	49	195	240	240	270	160	290	47	129	20	188	448	616	28	14	80	38	41	10

Single Clutch Brake, Single Axial Type

S- □□□ -A22

Torque Code

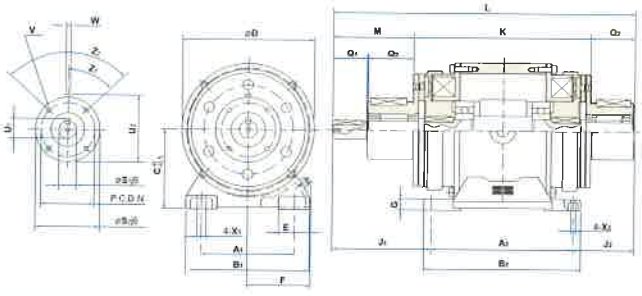


Characteristics							(mm) / Installation Size (mm)																								
Dynamic Torque	Dynamic Torque (kgfm)	Static Torque (kgfm)	Power (W/20°C)	Voltage DC-V	Horse Power	Weight (kgf)	A1	A2	B1	B2	C	D	E	F	G	J1	J2	K	L	M	N	V	X1	X2	Z1	Z2	S1	S2	Q1	Q2	U1	U2	W
S50	0.5	0.55	11	24V	200W	1.50	52.5	75	80	90	55	80	27.5	57	10	65.5	40.5	105.5	181	46.5	33	3-M4x0.7x4	13.5	6.5	60°	3-120°	11	38	25	20.5	12.5	39.5	4
M10	1.0	1.1	15	24V	400W	2.70	65	90	90	105	65	100	28	60	10	78.5	48.5	126	217	57	37	3-M4x0.7x6	13.5	6.5	60°	3-120°	14	45	30	26	16	47	5
M20	2.0	2.2	20	24V	750W	5.50	80	110	110	130	80	125	32	68	12	98	62	154	270	72	47	4-M4x0.7x8	15	9	45°	4-90°	19	55	40	30	21	57	5
M40	4.0	4.5	25	24V	1.5KW	9.60	105	135	140	160	90	150	35	81	15	121	74	184	330	92	54	4-M4x0.7x8	20	11	45°	4-90°	24	64	50	40	27	67	7
M80	8.0	9	35	24V	2.2KW	18.5	135	160	175	185	112	190	42	97	15	149	90	221	399	113	64	4-M5x0.8x8	24	11	30°	6-60°	28	75	60	50	31	78	7
T16	16	17.5	45	24V	5.6KW	35.0	155	200	200	230	132	230	45	110	18	187	117	276	504	142	79	4-M6x1x12	28	14	45°	4-90°	38	90	80	60	41	93	10
T32	32	35	60	24V	-	64.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Dual Clutch, Single Axial Type

S- □□□ -A23

Torque Code



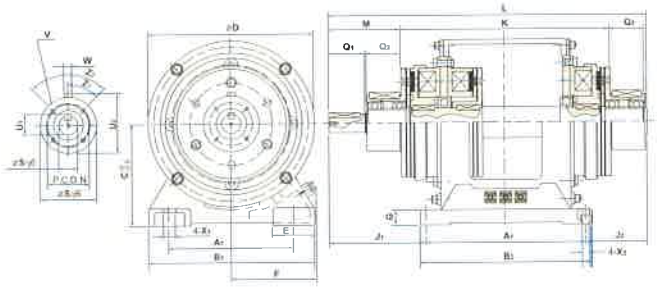
Characteristics							(mm) / Installation Size (mm)																								
Dynamic Torque	Dynamic Torque (kgfm)	Static Torque (kgfm)	Power (W/20°C)	Voltage DC-V	Horse Power	Weight (kgf)	A1	A2	B1	B2	C	D	E	F	G	J1	J2	K	L	M	N	V	X1	X2	Z1	Z2	S1	S2	Q1	Q2	U1	U2	W
S50	0.5	0.55	11	24V	200W	1.70	52.5	75	80	90	55	80	27.5	57	10	65.5	40.5	111.5	181	46.5	33	3-M4x0.7x4	13.5	6.5	60°	3-120°	11	38	25	20.5	12.5	39.5	4
M10	1.0	1.1	15	24V	400W	3.10	65	90	90	105	65	100	28	60	10	78.5	48.5	133	217	57	37	3-M4x0.7x6	13.5	6.5	60°	3-120°	14	45	30	25	16	47	5
M20	2.0	2.2	20	24V	750W	6.50	80	110	110	130	80	125	32	68	12	98	62	162	266	72	47	4-M4x0.7x8	15	9	45°	4-90°	19	55	40	30	21	57	5
M40	4.0	4.5	25	24V	1.5KW	10.50	105	135	140	160	90	150	35	81	15	121	74	193	327	92	54	4-M4x0.7x8	20	11	45°	4-90°	24	64	50	40	27	67	7
M80	8.0	9	35	24V	2.2KW	21.0	135	160	175	185	112	190	42	97	15	149	90	233	397	113	64	4-M5x0.8x8	24	11	30°	6-60°	28	75	60	50	31	78	7
T16	16	17.5	45	24V	5.6KW	38.5	155	200	200	230	132	230	45	110	18	187	105	290	492	142	79	4-M6x1x12	28	14	45°	4-90°	38	90	80	60	41	93	10
T32	32	35	60	24V	-	70.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Electromagnetic clutch and brake

Dual Clutch Single Brake, Single Axial Type

S- □□□ -A31

Torque Code

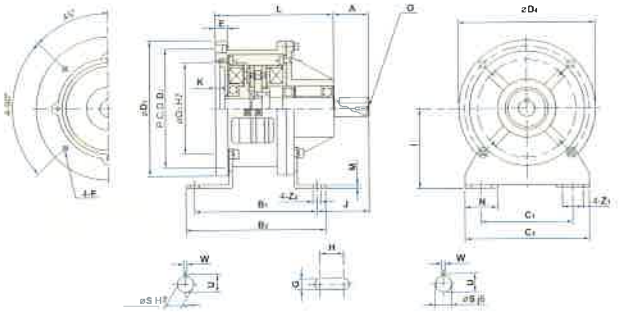


Characteristics							(mm) / Installation Size (mm)																								
Dynamic Torque	Dynamic Torque (kgfm)	Static Torque (kgfm)	Power (W/20℃)	Voltage DC-V	Horse Power	Weight (kgf)	A1	A2	B1	B2	C	D	E	F	G	J1	J2	K	L	M	N	V	X1	X2	Z1	Z2	S1	S2	Q1	Q2	U1	U2	W
S50	0.5	0.55	11	24V	200W	4	65	90	90	105	65	100	28	60	10	73	48	144	213	47	33	3-M4x0.7x4	13.5	6.5	60°	3-120°	11	38	25	20.5	12.5	39.5	4
M10	1.0	1.1	15	24V	400W	6	80	110	110	130	80	125	32	68	12	83	53	162	246	57	37	3-M4x0.7x6	15	9	60°	3-120°	14	45	30	25	16	47	5
M20	2.0	2.2	20	24V	750W	9	105	135	140	160	90	150	35	81	15	99	59	191	294	72	47	4-M4x0.7x8	20	11	45°	4-90°	19	55	40	30	21	57	5
M40	4.0	4.5	25	24V	1.5KW	17	135	160	175	185	112	190	42	97	15	124	74	223	358	93	54	4-M4x0.7x8	24	11	45°	4-90°	24	64	50	40	27	67	7
M80	8.0	9	35	24V	2.2KW	29	155	200	200	230	132	230	45	110	18	150	90	272	440	114	64	4-M5x0.8x8	28	14	30°	6-60°	28	75	60	50	31	78	7
T16	16	17.5	45	24V	5.6KW	58	195	240	240	270	160	290	47	129	20	196	114	348	550	142	79	4-M6x1x12	28	14	45°	4-90°	38	90	80	60	41	93	10

Direct Motor Mounted Horizontal Single Clutch Brake

S- □□□ -K25

Torque Code

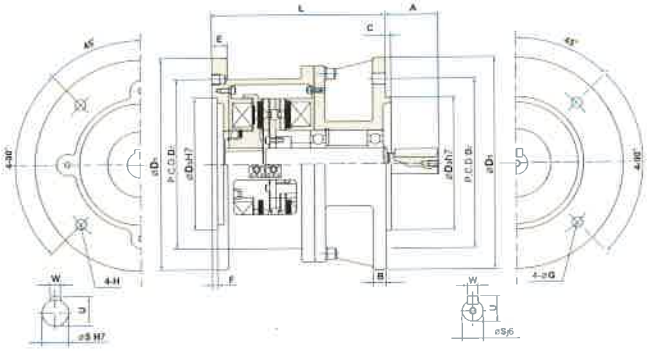


Characteristics							(mm) / Installation Size (mm)																								
Dynamic Torque	Dynamic Torque (kgfm)	Static Torque (kgfm)	Power (W/20℃)	Voltage DC-V	Horse Power	Weight (kgf)	A	B1	B2	C1	C2	D1	D2	D3	D4	E	F	G	H	I	J	K	L	M	N	O	W	S	U	Z1	Z2
S50	0.5	0.55	11	24V	200W	2.7	26	116	136	65	90	160	130	110	100	14	M8x1.25-4	6.5	7	90	28	4.5	99	4.5	27.5	M4x0.7x8	4	11	12.5	13.5	6.5
M10	1.0	1.1	15	24V	400W	3.8	34	130	150	80	110	160	130	110	125	14	M8x1.25-4	9	7	90	47	4.5	120	4.5	32.5	M4x0.7x8	5	14	16	15.5	9
M20	2.0	2.2	20	24V	750W	6.8	44	143	167	105	140	200	165	130	150	17	M10x1.5-4	11	9	110	70	5.5	147	4.5	35	M6x1x11	5	19	21.5	20	11.5
M40	4.0	4.5	25	24V	1.5KW	10.3	55	160	185	135	175	200	165	130	190	17	M10x1.5-4	11	13	110	97	5.5	174	4.5	42.5	M6x1x11	7	24	27	24.5	11.5
M80	8.0	9	35	24V	2.2KW	18.8	64	200	230	155	200	250	215	180	230	17	M12x1.75-4	14	14	140	127	6	214	6	45	M6x1x11	7	28	31	28	14

Flange Type Direct Motor Mounted Vertical Single Clutch Brake

S- □□□ -K26

Torque Code

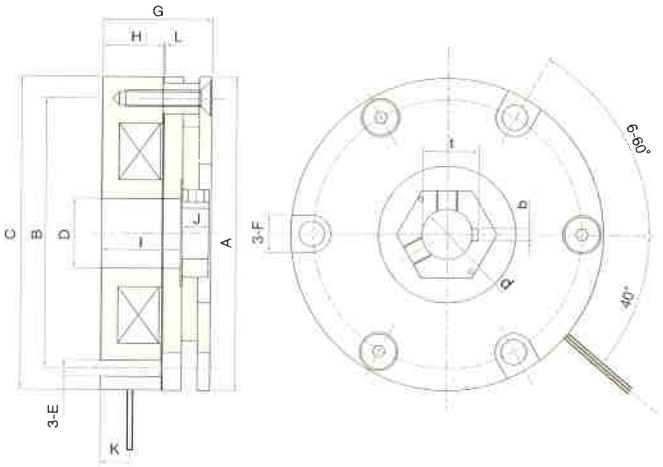


Characteristics							(mm) / Installation Size (mm)											
Dynamic Torque	Dynamic Torque (kgfm)	Static Torque (kgfm)	Power (W/20℃)	Voltage DC-V	Horse Power	Weight (kgf)	A	B	C	D1	D2	D3	E	F	G	H	L	W	S	S
S50	0.5	0.55	11	24V	200W	2.8	23	10	3.5	160	130	110	14	4.5	10	M8x1.25	103.5	4	11	12.5
M10	1.0	1.1	15	24V	400W	4.1	30	10	3.5	160	130	110	14	4.5	10	M8x1.25	122.5	5	14	16
M20	2.0	2.2	20	24V	750W	7.2	40	12	3.5	200	165	130	17	5.5	12	M10x1.5	141	6	19	21.5
M40	4.0	4.5	25	24V	1.5KW	11	50	12	3.5	200	165	130	17	5.5	12	M10x1.5	167	8	24	27
M80	8.0	9	35	24V	2.2KW	19.5	60	16	4	250	215	180	17	6	14.5	M12x1.75	218	8	28	31

Electromagnetic Spring Loaded Brake

BN-□□□-□□□-□

Model Type



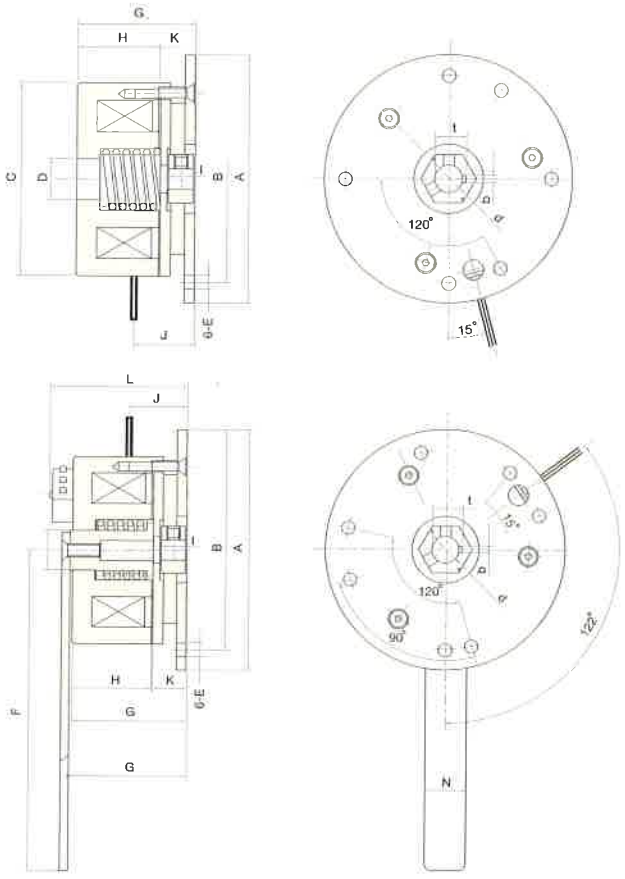
Model	Type	Voltage DC-V	Torque in Static Friction (Nm)	Torque in Static Friction (kgfm)	Input Capacity (W)	Coil (20°C) Current (A)	Coil (20°C) Resistance (Ω)	Aperture $d^{+0.025}_{+0.1}$	Key Fillister Size $b^{+0.0125}_{-0.0125} \times t^{+0.10}_{0}$	Diameter Direction A	B	C	D	E	F	Axis Direction G	H	I	J	K	L
S05	SNF-2	24V	0.5	0.05	7	0.292	82.3	8	-	50	44	50.3	10	3.5	3.5	29.55	18.7	21.55	8	9.7	0.1~0.2
	SNF-5	90V				0.078	1157.1														
S10	SNF-2	24V	1.0	0.1	9	0.375	64	8	-	63	54	63	22	4.5	9	30.55	20	22.55	8	8.5	0.1~0.2
	SNF-5	90V				0.1	900														
S20	SNF-2	24V	2.0	0.2	13	0.542	44.3	12	4 x 13.8	85	74	85	19	5.5	11	29.65	17.5	22.15	7.5	9	0.1~0.2
	SNF-5	90V				0.144	623														
S40	SNF-2	24V	4.0	0.4	15	0.625	38.4	14	5 x 16.3	97	85	97	22	5.5	11	30.15	18	22.65	7.5	8	0.1~0.2
	SNF-5	90V				0.167	540														
S80	SNF-2	24V	8.0	0.8	18	0.75	32	19	5 x 21.3	118	108	118	35	5.5	11	35.7	19.5	26.2	9.5	9.5	0.1~0.2
	SNF-5	90V				0.2	450														

mm

Electromagnetic Spring Loaded Brake

BN-□□□-□□□-□

Model Type



Model	Type	Voltage DC-V	Torque in Static Friction (Nm)	Torque in Static Friction (kgfm)	Input Capacity (W)	Coil (20°C) Current (A)	Coil (20°C) Resistance (Ω)	Aperture $d^{+0.025}_{+0.1}$	Key Fillister Size $b^{+0.0125}_{-0.0125} \times t^{+0.10}_{0}$	Diameter Direction A	B	C	D	E	F	Axis Direction G	H	I	J	K	L	M	N
S30	SNF-2	24V	4	0.4	12	0.5	48	8	3 x 9.4	77	68	61	13	5	-	36.55	26	8	20.55	0.1~0.2	-	-	-
S30	SNF-5	90V	4	0.4	12	0.133	675	8	3 x 9.4	77	68	61	13	5	-	36.55	26	8	20.55	0.1~0.2	-	-	-
S30	SNF-2	24V	4.5	0.45	12	0.5	48	8	3 x 9.4	77	68	61	-	5	126	36.55	26	8	20.55	0.1~0.2	44.25	40.4	13
S30	SNF-5	90V	4.5	0.45	12	0.133	675	8	3 x 9.4	77	68	61	-	5	126	36.55	26	8	20.55	0.1~0.2	44.25	40.4	13

mm

Clutch - Product specification

Clutch							
Model	Torque (kgfm)	Voltage (DC-V)	Coil			Protective Prime Factor	Maximum Number of Revolutions (r/min)
			Capacity (W)	Current (A)	Resistance(Ω)		
S24-F □□-□□	0.24	24	10	0.42	58	TNR9G820K	10000
S24-R □□-□□							500
S50-F □□-□□	0.50		11	0.46	52	TNR9G820K	8000
S50-R □□-□□							
M10-F □□-□□	1.0		15	0.63	38	TNR9G820K	6000
M10-R □□-□□							
M20-F □□-□□	2.0		20	0.83	29	TNR9G820K	5000
M20-R □□-□□							
M40-F □□-□□	4.0		25	1.04	23	TNR9G820K	4000
M40-R □□-□□							
M80-F □□-□□	8.0		35	1.46	16	TNR9G820K	3000
M80-R □□-□□							
T16-F □□-□□	16		45	1.88	13	TNR9G820K	2500
T32-F □□-□□	32		60	2.50	9.6	TNR9G820K	2000

Brake - Production specification

Brake							
Model	Torque (kgfm)	Voltage (DC-V)	Coil			Protective Prime Factor	Maximum Number of Revolutions (r/min)
			Capacity (W)	Current (A)	Resistance(Ω)		
S24-F □□-□□	0.24	24	10	0.42	58	TNR9G820K	10000
S50-F □□-□□	0.50		11	0.46	52	TNR9G820K	8000
M10-F □□-□□	1.0		15	0.63	38	TNR9G820K	6000
M20-F □□-□□	2.0		20	0.83	29	TNR9G820K	5000
M40-F □□-□□	4.0		25	1.04	23	TNR9G820K	4000
M80-F □□-□□	8.0		35	1.46	16	TNR9G820K	3000
T16-F □□-□□	16		45	1.88	13	TNR9G820K	2500
T32-F □□-□□	32		60	2.50	9.6	TNR9G820K	2000

Weight / GD^2

Clutch				Clutch (Bearing Type)			
Model	Weight (kgf)	GD^2(kgf-cm²)		Model	Weight (kgf)	GD^2(kgf-am²)	
		Transitional York Core	Armature Plate			Transitional York Core	Armature Plate
C-S24-F01	0.310	1.26	3.63×10^{-1}	C-S24-R01	0.321	1.16	3.63×10^{-1}
-F02	0.325		5.50×10^{-1}	-R02	0.336		5.50×10^{-1}
-F04	0.335		5.50×10^{-1}	-R04	0.346		5.50×10^{-1}
C-S50-F01	0.460	2.94	1.69	C-S50-R01	0.500	2.94	1.69
-F02	0.500		2.41	-R02	0.540		2.41
-F04	0.660		4.19	-R04	0.700		4.19
C-M10-F01	0.830	8.94	4.72	C-M10-R01	0.870	8.94	4.72
-F02	0.910		6.83	-R02	0.950		6.83
-F04	1.190		1.20 x 10	-R04	1.230		1.20 x 10
C-M20-F01	1.500	2.71 x 10	1.91 x 10	C-M20-R01	1.570	2.71 x 10	1.91 x 10
-F02	1.660		2.65 x 10	-R02	1.730		2.65 x 10
-F04	2.110		3.78 x 10	-R04	2.180		3.78 x 10
C-M40-F01	2.760	8.56 x 10	5.22 x 10	C-M40-R01	2.890	8.56 x 10	5.22 x 10
-F02	3.050		7.22 x 10	-R02	3.180		7.22 x 10
-F04	3.800		1.10×10^2	-R04	3.930		1.10×10^2
C-M80-F01	5.100	2.52×10^2	1.92×10^2	C-M80-R01	5.300	2.52×10^2	1.92×10^2
-F02	5.400		2.54×10^2	-R02	5.600		2.54×10^2
-F04	6.900		3.62×10^2	-R04	7.100		3.62×10^2
C-T16-F01	9.300	7.70×10^2	5.48×10^2	C-T16-R01	11.20	7.70×10^2	5.48×10^2
-F02	10.50		7.59×10^2	-R02	12.40		7.59×10^2
-F04	13.00		1.06×10^3	-R04	14.90		1.06×10^3
C-T32-F01	17.00	1.79×10^3	1.43×10^3	C-T32-R01	21.20	1.79×10^3	1.43×10^3
-F02	18.70		1.93×10^3	-R02	22.90		1.93×10^3
-F04	23.60		2.98×10^3	-R04	27.80		2.98×10^3

Brake			Brake		
Model	Weight (kgf)	GD^2(kgf-cm²)	Model	Weight (kgf)	GD^2(kgf-cm²)
		Armature Plate			Armature Plate
B-S24-F01	0.200	3.63×10^{-1}	B-M40-F01	1.680	5.22 x 10
-F02	0.215	5.50×10^{-1}	-F02	1.970	7.22 x 10
-F03	0.215	5.50×10^{-1}	-F03	1.970	7.22 x 10
B-S50-F01	0.280	1.69	B-M80-F01	3.150	1.92×10^2
-F02	0.320	2.41	-F02	3.450	2.54×10^2
-F03	0.320	2.41	-F03	3.450	2.54×10^2
B-M10-F01	0.500	4.72	B-T16-F01	5.900	5.48×10^2
-F02	0.580	6.83	-F02	7.100	7.59×10^2
-F03	0.580	6.83	-F03	7.100	7.59×10^2
B-M20-F01	0.910	1.91 x 10	B-T32-F01	10.50	1.43×10^3
-F02	1.070	2.65 x 10	-F02	12.20	1.93×10^3
-F03	1.070	2.65 x 10	-F03	12.20	1.93×10^3

PE-EI

Electromagnetic

Clutch and Brake


C-F01


C-F02


C-F04


C-R01


C-R02


C-R04


B-F01


B-F02


B-F03


S-S24-A26-1


S-S50-A26


S-A21


S-A22


S-A23


S-A31


S-K25


S-K26


BN


BN-SNF-1


BN-SNF-2