



Electric actuator Rod with built-in guide

EBR-04GE-P4

Straight motor mounting

□35 stepper motor



How to order

EBR - 04 G E - 00 - 06 0300 N B N - C S03 - C - P4

A Body size
04 Body width 44mm

B Applicable controller *1
G ECG

C Motor mounting direction
E Straight mounting

D Mounting
00 Basic
FA Rod side flange

E Screw lead
06 6 mm
12 12 mm

F Stroke
0050 50 mm
to (In 50 mm increments)
0400 400 mm

H Encoder *1
B Battery-less absolute encoder
C Incremental encoder

G Brake *2
N None
B Yes

I Fitting
N None
C Yes

I Relay cable *3
N00 None
S01 Fixing cable 1 m
S03 Fixing cable 3 m
S05 Fixing cable 5 m
S10 Fixing cable 10 m
R 01 Movable cable 1 m
R 03 Movable cable 3 m
R 05 Movable cable 5 m
R 10 Movable cable 10 m

*1 Select the controller from page 85.

*2 For vertical use, select "Yes".

*3 Refer to page 96 for relay cable dimensions.

Specifications

Motor	□35 stepper motor	
Encoder type	Battery-less absolute encoder Incremental encoder	
Drive method	Ball screw ø10	
Stroke mm	50 to 400	
Screw lead mm	6	12
Max. workload kg *1	Horizontal	40.0
	Vertical	10.0
Operation speed range *2 mm/s	7 to 160	15 to 320
Maximum pushing force N	155	77
Pressing operation speed range mm/s	5 to 20	5 to 20
Repeatability mm	±0.01	
Lost motion mm	0.1 or less	
Motor power supply voltage	24 VDC ±10%	
Motor section max. instantaneous current A	2.4	
Brake	Model, power supply voltage	Non-excitation operation, 24 VDC ±10%
	Power consumption W	6.1
	Holding force N	140
Insulation resistance	10 MΩ, 500 VDC	
Withstand voltage	500 VAC for 1 minute	
Operating ambient temperature	10 to 40 °C (no freezing)	
Storage ambient temperature	-10 to 50°C (no freezing)	
Atmosphere	No corrosive gas, explosive gas, or dust	
Degree of protection	IP40	

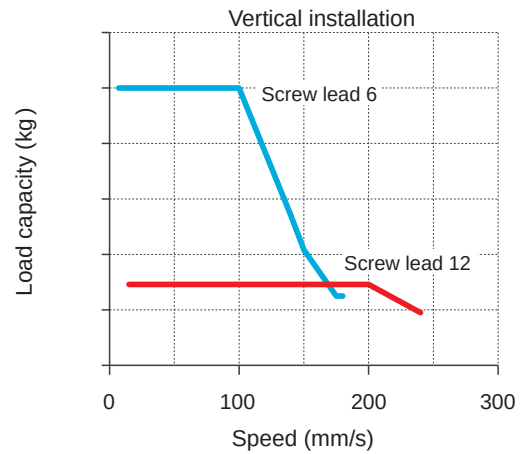
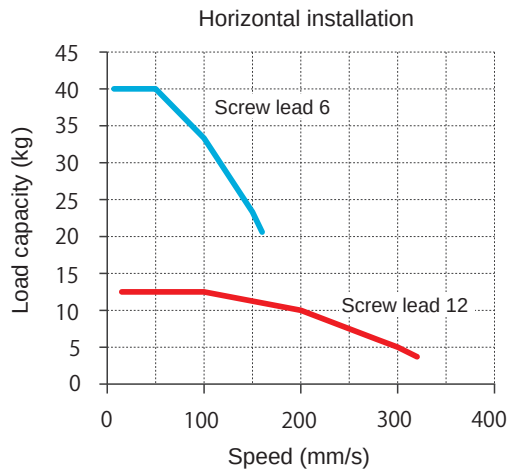
*1 Load capacity varies according to acceleration/deceleration and speed. Refer to pages 82 and 83 for details.

*2 The maximum speed may decrease depending on the conditions.

Stroke and max. speed

Screw lead	(mm/s)
	Stroke
6	50 to 400
12	160
12	320

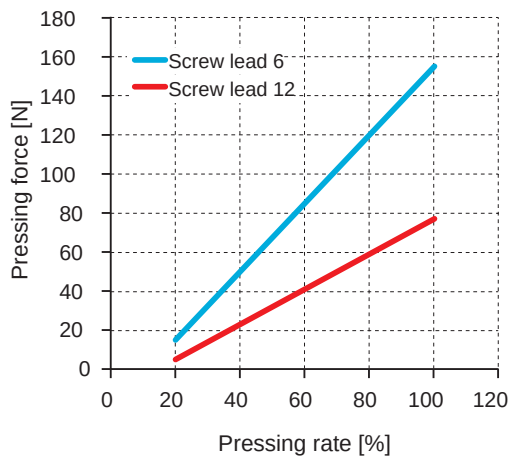
Speed and load capacity



* Acceleration/deceleration 0.3G.

* Refer to pages 82 and 83 for details.

Pressing force

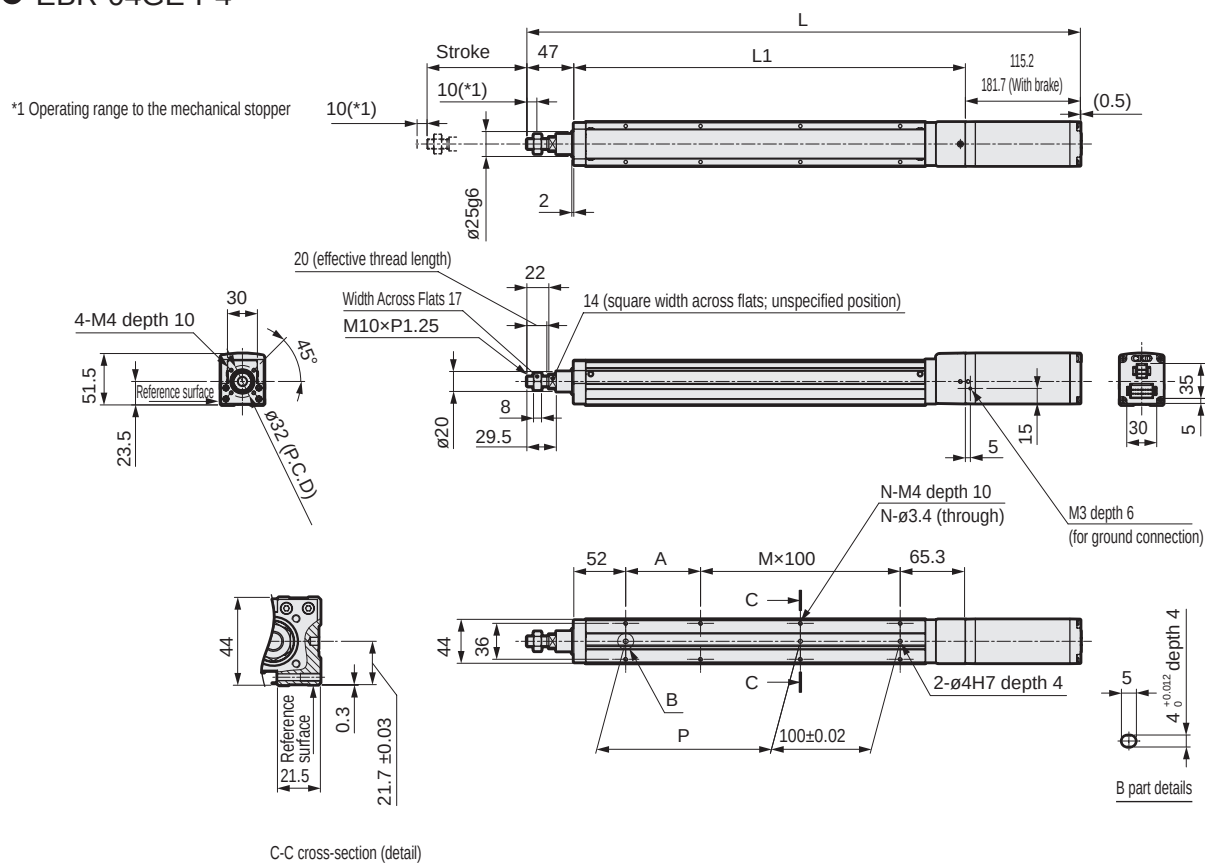


*The above pressing force is a reference value. Variation may occur according to conditions such as pressing speed.

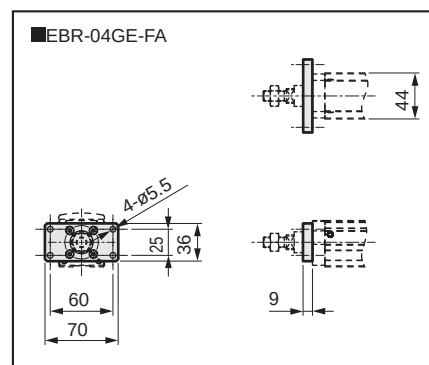
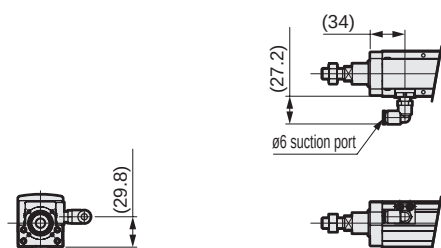
EBR-04GE-P4

Dimensions Straight motor mounting

● EBR-04GE-P4



● EBR-04GE-**-**-C-P4



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400
Stroke length (mm)	50	100	150	200	250	300	350	400
L	Without brake	404.5	454.5	504.5	554.5	604.5	654.5	754.5
	With brake	471	521	571	621	671	721	821
L1	242.3	292.3	342.3	392.3	442.3	492.3	542.3	592.3
A	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4
N	6	6	8	8	10	10	12	12
P	25	75	125	175	225	275	325	375
Weight (kg)	Without brake	1.6	1.8	1.9	2.1	2.2	2.4	2.5
	With brake	2.1	2.3	2.4	2.6	2.7	2.9	3.0

* The suction port fitting (ZW-L6-6-P4) is an attachment.

* Use the product with air intake of 30.0Nl/min or less from the intake port.

Notes

EBS-P4 (With motor)
EBR-P4 (With motor)
ECC-A (Controller)
Safety precautions



Electric actuator Rod with built-in guide

EBR-04G*-P4

Motor side mounting (left, right, bottom)

☐ 35 stepper motor



How to order

EBR - 04 G R - 00 - 06 0300 N B N - C S03 - C - P4

A Body size
04 Body width 44mm

B Applicable controller *1
G ECG

C Motor mounting direction *2*3
R Right mounting
D Bottom mounting
L Left mounting

D Mounting
00 Basic
FA Rod side flange

E Screw lead
06 6 mm
12 12 mm

F Stroke *2*3
0050 50 mm
to 0400 (In 50 mm increments) 400 mm

G Encoder
B Battery-less absolute encoder
C Incremental encoder

H Brake *4
N None
B Yes

I Fitting *3
N None
C Yes

J Relay cable *5
N00 None
S01 Fixing cable 1 m
S03 Fixing cable 3 m
S05 Fixing cable 5 m
S10 Fixing cable 10 m
R 01 Movable cable 1 m
R 03 Movable cable 3 m
R 05 Movable cable 5 m
R 10 Movable cable 10 m

*1 Select the controller from page 85.

*2 When the motor mounting direction "D" is selected, the stroke length will be a selection from "0250 (250 mm)" to "0400 (400 mm)".

*3 For the motor mounting direction "R" and "C" with fittings, 0050 (50 mm stroke length) cannot be selected.

*4 When using vertically, select "Yes".

*5 Refer to page 96 for relay cable dimensions.

Specifications

Motor	☐ 35 stepper motor	
Encoder type	Battery-less absolute encoder Incremental encoder	
Drive method	Ball screw ø10	
Stroke mm	50 to 400	
Screw lead mm	6	12
Max. workload kg *1	Horizontal 40.0	Vertical 12.5
	8.3	2.9
Operation speed range *2 mm/s	7 to 160	15 to 280
Maximum pushing force N	155	77
Pressing operation speed range mm/s	5 to 20	5 to 20
Repeatability mm	±0.01	
Lost motion mm	0.1 or less	
Motor power supply voltage	24 VDC ±10%	
Motor section max. instantaneous current A	2.4	
Brake	Model, power supply voltage	Non-excitation operation, 24 VDC ±10%
	Power consumption W	6.1
	Holding force N	140 70
Insulation resistance	10 MΩ, 500 VDC	
Withstand voltage	500 VAC for 1 minute	
Operating ambient temperature	10 to 40 °C (no freezing)	
Storage ambient temperature	-10 to 50 °C (no freezing)	
Atmosphere	No corrosive gas, explosive gas, or dust	
Degree of protection	IP40	

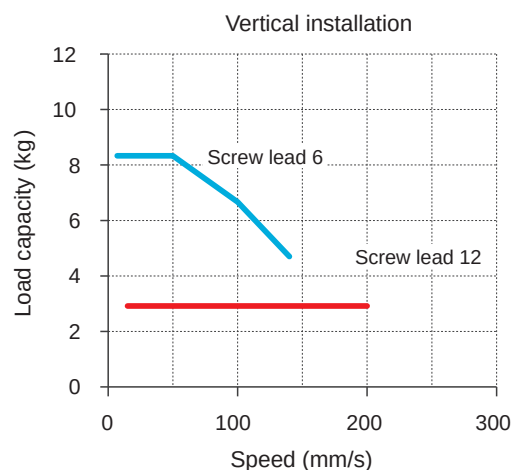
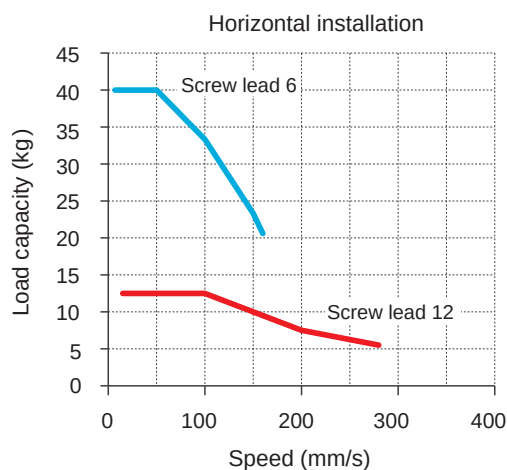
*1 Load capacity varies according to acceleration/deceleration and speed. Refer to pages 82 and 83 for details.

*2 The maximum speed may decrease depending on the conditions.

Stroke and max. speed

Screw lead	(mm/s)
	Stroke
6	50 to 400
12	160

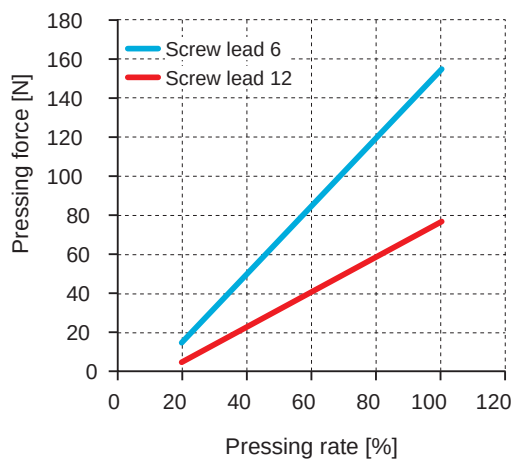
Speed and load capacity



* Acceleration/deceleration 0.3G.

* Refer to pages 82 and 83 for details.

Pressing force



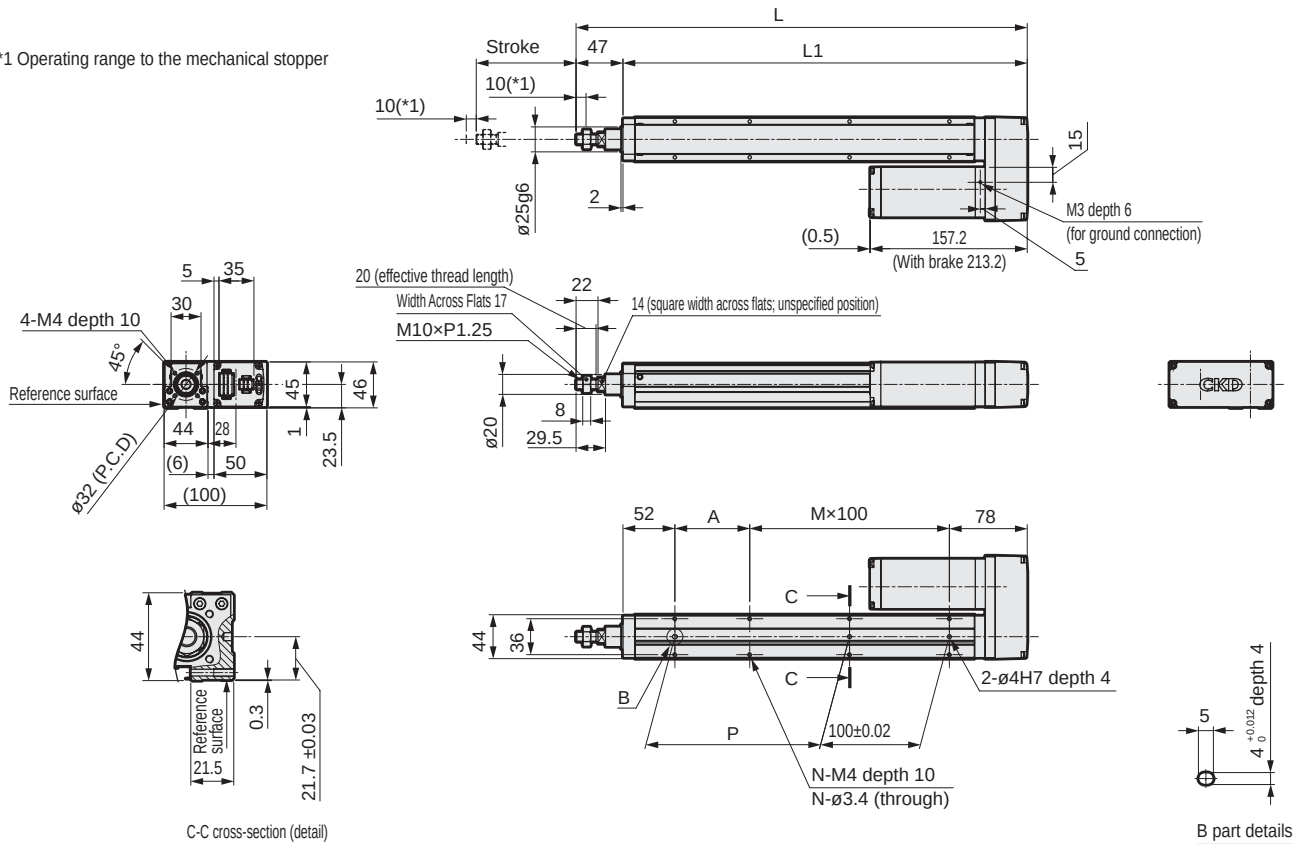
*The above pressing force is a reference value. Variation may occur according to conditions such as pressing speed.

EBR-04G*-P4

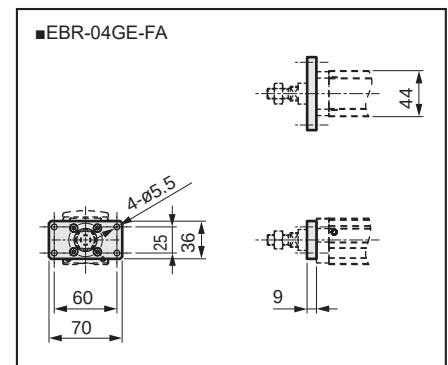
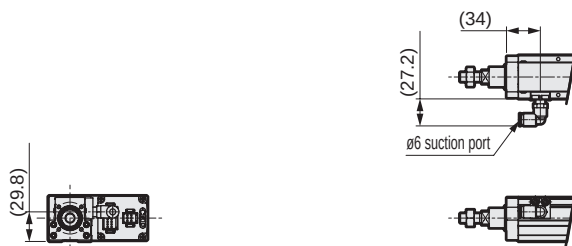
Dimensions Right motor mounting

● EBR-04GR-P4

*1 Operating range to the mechanical stopper



● EBR-04GR-*-*-*C-P4



Stroke code		0050	0100	0150	0200	0250	0300	0350	0400
Stroke length (mm)		50	100	150	200	250	300	350	400
L		302	352	402	452	502	552	602	652
L1		255	305	355	405	455	505	555	605
A		25	75	25	75	25	75	25	75
M		1	1	2	2	3	3	4	4
N		6	6	8	8	10	10	12	12
P		25	75	125	175	225	275	325	375
Weight (kg)	Without brake	1.6	1.8	1.9	2.1	2.3	2.5	2.6	2.8
	With brake	2.1	2.3	2.4	2.6	2.8	3.0	3.1	3.3

* The suction port fitting (ZW-L6-6-P4) is an attachment.

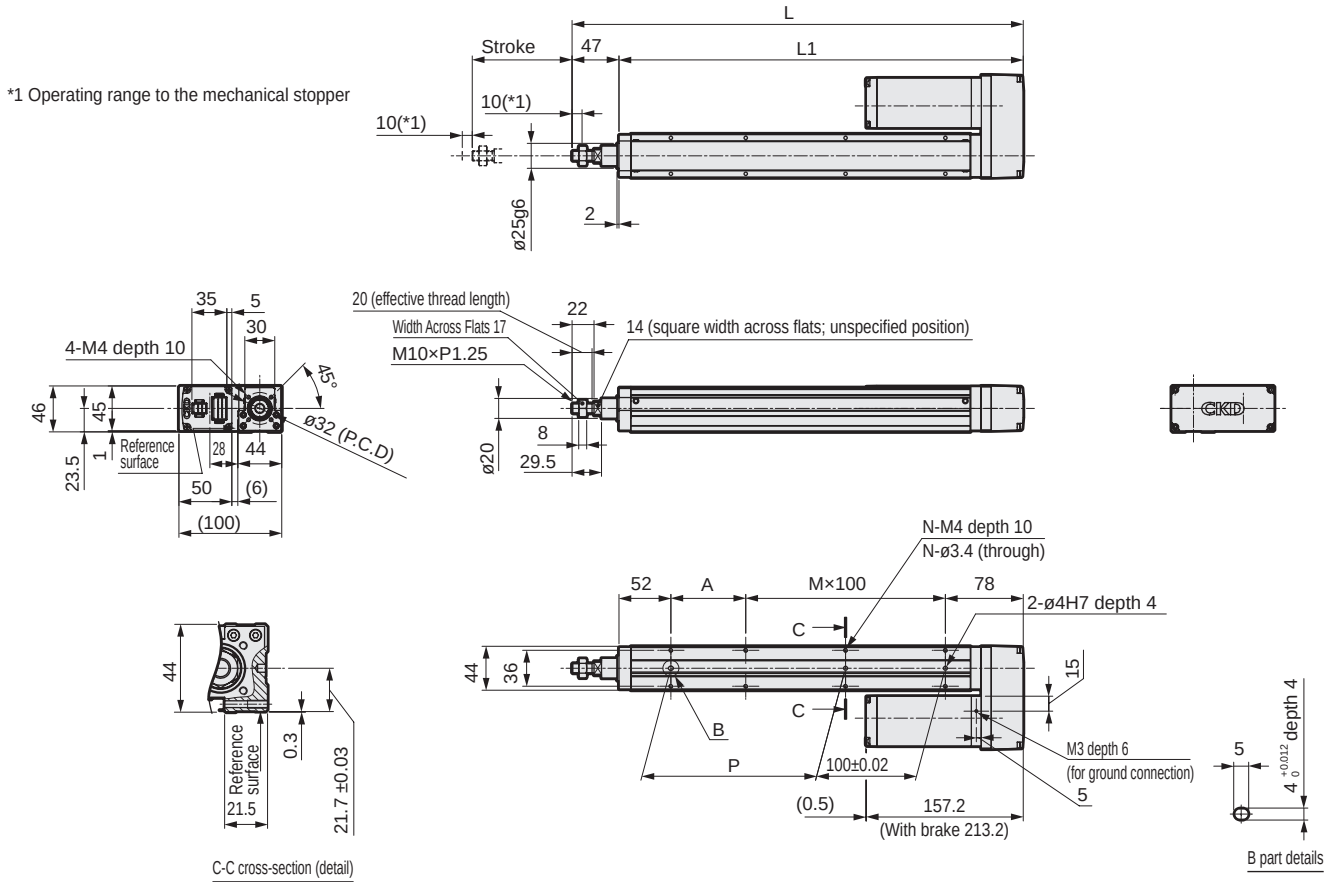
* Use the product with air intake of 30.0Nl/min or less from the intake port.

*2: 50 mm stroke length cannot be selected for types with fittings.

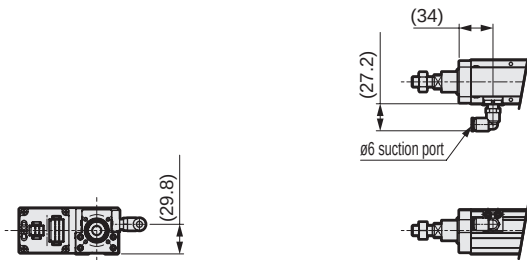
EBR-04G*-P4

Dimensions Left motor mounting

● EBR-04GL-P4



● EBR-04GL-*-*-C-P4



Stroke code		0050	0100	0150	0200	0250	0300	0350	0400
Stroke length (mm)		50	100	150	200	250	300	350	400
L		302	352	402	452	502	552	602	652
L1		255	305	355	405	455	505	555	605
A		25	75	25	75	25	75	25	75
M		1	1	2	2	3	3	4	4
N		6	6	8	8	10	10	12	12
P		25	75	125	175	225	275	325	375
Weight (kg)	Without brake	1.6	1.8	1.9	2.1	2.3	2.5	2.6	2.8
	With brake	2.1	2.3	2.4	2.6	2.8	3.0	3.1	3.3

* The suction port fitting (ZW-L6-6-P4) is an attachment.

* Use the product with air intake of 30.0Nl/min or less from the intake port.

Notes

EBS-P4 (With motor)
EBR-P4 (With motor)
ECC-A (Controller)
Safety precautions



Electric actuator Rod with built-in guide

EBR-05GE-P4

Straight motor mounting

□42 Stepper motor



How to order

EBR - 05 G E - 00 - 05 0300 N B N - C S03 - C - P4

A Body size
05 Body width 54mm

B Applicable controller *1
G ECG

C Motor mounting direction
E Straight mounting

D Mounting
00 Basic
FA Rod side flange

E Screw lead
02 2 mm
05 5 mm
10 10 mm
20 20 mm

F Stroke
0050 to 0400 50 mm (In 50 mm increments) 400 mm

H Encoder
B Battery-less absolute encoder
C Incremental encoder

G Brake *2
N None
B Yes

I Fitting
N None
C Yes

J Relay cable *3
N00 None
S01 Fixing cable 1 m
S03 Fixing cable 3 m
S05 Fixing cable 5 m
S10 Fixing cable 10 m
R 01 Movable cable 1 m
R 03 Movable cable 3 m
R 05 Movable cable 5 m
R 10 Movable cable 10 m

*1 Select the controller from page 85.

*2 For vertical use, select "Yes".

*3 Refer to page 96 for relay cable dimensions.

Specifications

Motor	□42 Stepper motor			
Encoder type	Battery-less absolute encoder Incremental encoder			
Drive method	Ball screw ø12			
Stroke mm	50 to 400			
Screw lead mm	2	5	10	20
Max. workload kg *1	Horizontal	80.0	60.0	41.7
	Vertical	23.3	14.0	7.0
Operation speed range *2 mm/s	2 to 70	6 to 240	12 to 400	25 to 560
Maximum pushing force N	550	220	110	55
Pressing operation speed range mm/s	5 to 20	5 to 20	5 to 20	5 to 20
Repeatability mm	±0.01			
Lost motion mm	0.1 or less			
Motor power supply voltage	24 VDC ±10%			
Motor section max. instantaneous current A	2.7			
Brake	Model, power supply voltage	Non-excitation operation, 24 VDC ±10%		
	Power consumption W	6.1		
	Holding force N	420	168	84
Insulation resistance	10 MΩ, 500 VDC			
Withstand voltage	500 VAC for 1 minute			
Operating ambient temperature	10 to 40 °C (no freezing)			
Storage ambient temperature	-10 to 50°C (no freezing)			
Atmosphere	No corrosive gas, explosive gas, or dust			
Degree of protection	IP40			

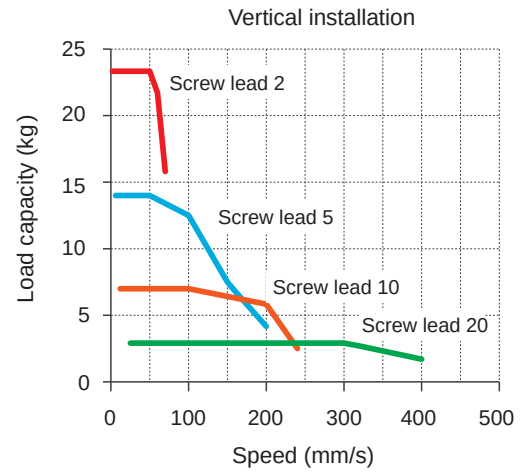
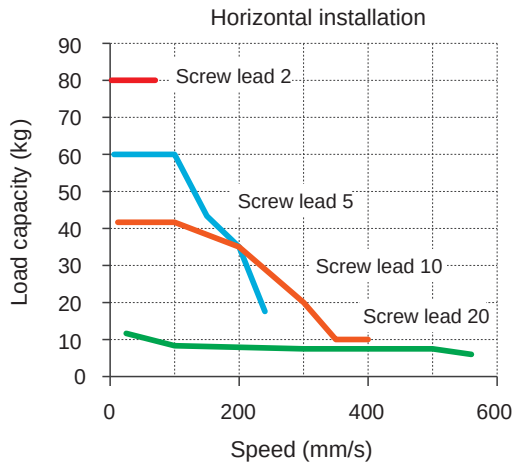
*1 Load capacity varies according to acceleration/deceleration and speed. Refer to pages 82 and 83 for details.

*2 The maximum speed may decrease depending on the conditions.

Stroke and max. speed

(mm/s)				
Screw lead	Stroke			
	50 to 250	300	350	400
2	70			
5	240	210		
10	400			
20	560			

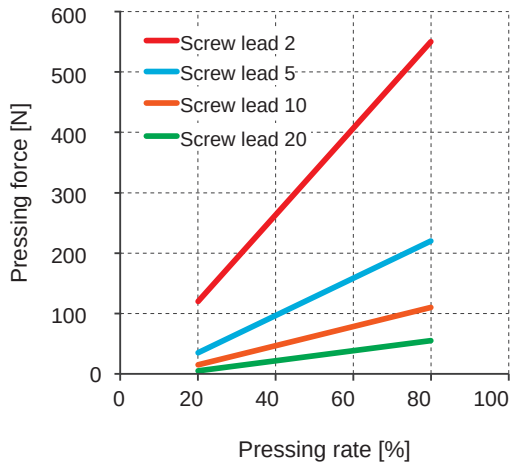
Speed and load capacity



* Acceleration/Deceleration 0.3G.

* Refer to pages 82 and 83 for details.

Pressing force

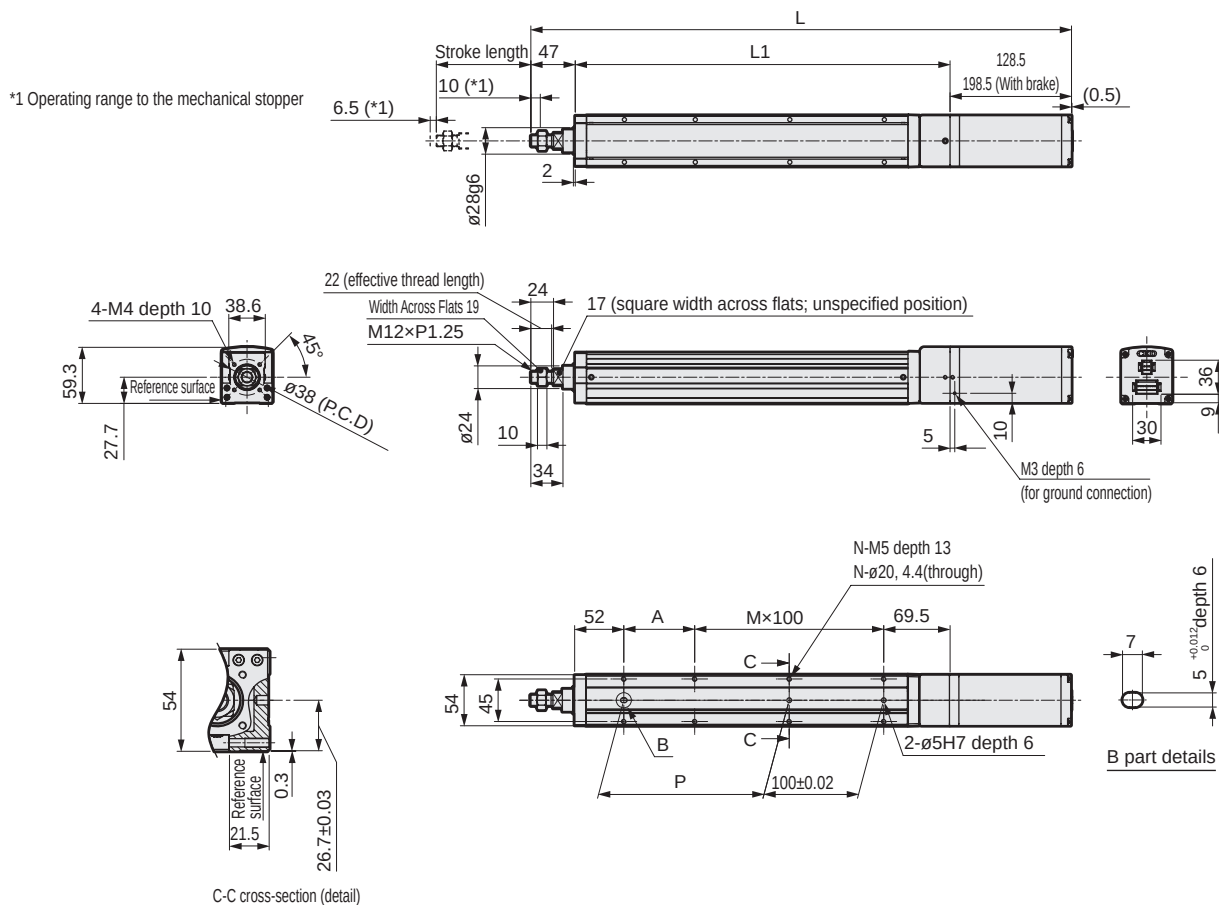


*The above pressing force is a reference value. Variation may occur according to conditions such as pressing speed.

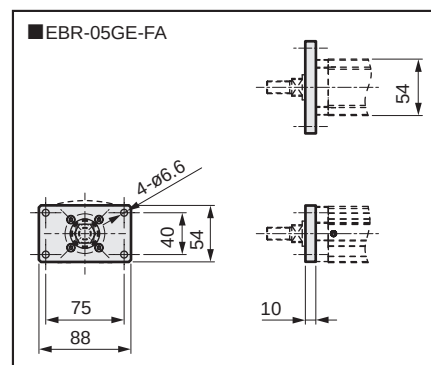
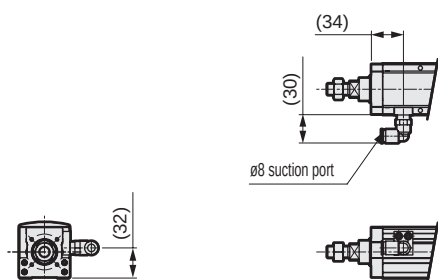
EBR-05GE-P4

Dimensions

● EBR-05GE-P4



● EBR-05GE-*-*-C-P4



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400
Stroke length (mm)	50	100	150	200	250	300	350	400
L	Without brake	422	472	522	572	622	672	722
	With brake	492	542	592	642	692	742	792
L1	246.5	296.5	346.5	396.5	446.5	496.5	546.5	596.5
A	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4
N	6	6	8	8	10	10	12	12
P	25	75	125	175	225	275	325	375
Weight (kg)	Without brake	2.5	2.7	2.9	3.1	3.3	3.5	3.7
	With brake	3.3	3.5	3.7	3.9	4.1	4.3	4.5

* The suction port fitting (ZW-L8-8-P4) is an attachment.

* Use the product with air intake of 30.0Nl/min or less from the intake port.

Notes

EBS-P4 (With motor)
EBR-P4 (With motor)
ECC-A (Controller)
Safety precautions



Electric actuator Rod with built-in guide

EBR-05G*-P4

Motor side mounting (left, right, bottom)

□42 Stepper motor



How to order

EBR - **05** **G** **R** - **00** - **05** **0300** **N** **B** **N** - **C** **S03** - **C** - **P4**

A Body size
05 Body width 54mm

B Screw lead
02 2 mm
05 5 mm
10 10 mm
20 20 mm

H Encoder
B Battery-less absolute encoder
C Incremental encoder

J Fitting *3
N None
C Yes

B Applicable controller *1
G ECG

G Motor mounting direction*2*3

R Right mounting
D Bottom mounting
L Left mounting

D Mounting

00 Basic
FA Rod side flange

F Stroke *2*3
0050 50 mm
to (In 50 mm increments)
0400 400 mm

G Brake *4
N None
B Yes

I Relay cable *5

N00 None
S01 Fixing cable 1 m
S03 Fixing cable 3 m
S05 Fixing cable 5 m
S10 Fixing cable 10 m
R 01 Movable cable 1 m
R 03 Movable cable 3 m
R 05 Movable cable 5 m
R 10 Movable cable 10 m

*1 Select the controller from page 85.

*2 When the motor mounting direction "D" is selected, the stroke length will be a selection from "0250 (250 mm)" to "0400 (400 mm)".

*3 For the motor mounting direction "R" and "C" with fittings, 0050 (50 mm stroke length) cannot be selected.

*4 When using vertically, select "Yes".

*5 Refer to page 96 for relay cable dimensions.

Specifications

Motor	□42 Stepper motor			
Encoder type	Battery-less absolute encoder Incremental encoder			
Drive method	Ball screw ø12			
Stroke mm	50 to 400			
Screw lead mm	2	5	10	20
Max. workload kg *1	Horizontal	80.0	60.0	38.3
	Vertical	23.3	14.0	6.7
Operation speed range *2 mm/s	2 to 70	6 to 200	12 to 320	25 to 480
Maximum pushing force N	550	220	110	55
Pressing operation speed range mm/s	5 to 20	5 to 20	5 to 20	5 to 20
Repeatability mm	±0.01			
Lost motion mm	0.1 or less			
Motor power supply voltage	24 VDC ±10%			
Motor section max. instantaneous current A	2.7			
Brake	Model, power supply voltage	Non-excitation operation, 24 VDC ±10%		
	Power consumption W	6.1		
	Holding force N	420	168	84
Insulation resistance	10 MΩ, 500 VDC			
Withstand voltage	500 VAC for 1 minute			
Operating ambient temperature	10 to 40 °C (no freezing)			
Storage ambient temperature	-10 to 50°C (no freezing)			
Atmosphere	No corrosive gas, explosive gas, or dust			
Degree of protection	IP40			

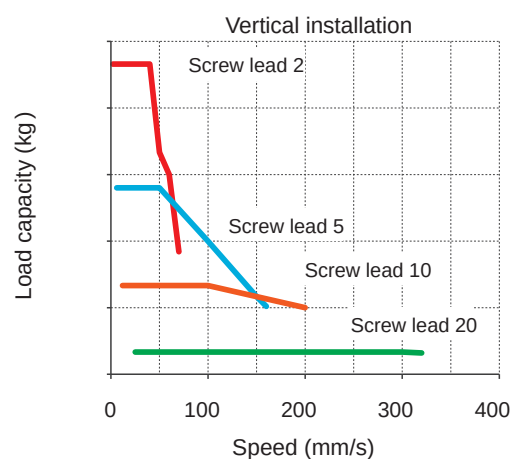
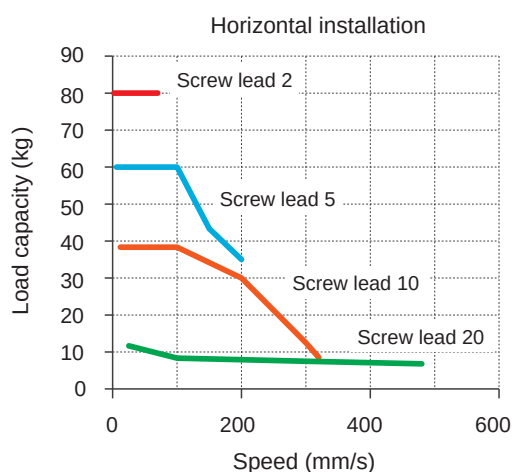
*1 Load capacity varies according to acceleration/deceleration and speed. Refer to pages 82 and 83 for details.

*2 The maximum speed may decrease depending on the conditions.

Stroke and max. speed

Screw lead	(mm/s)
	Stroke
2	50 to 400
5	70
10	200
20	320

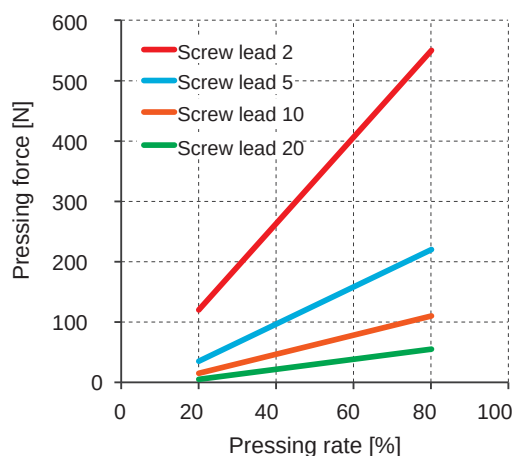
Speed and load capacity



* Acceleration/Deceleration 0.3G.

* Refer to pages 82 and 83 for details.

Pressing force



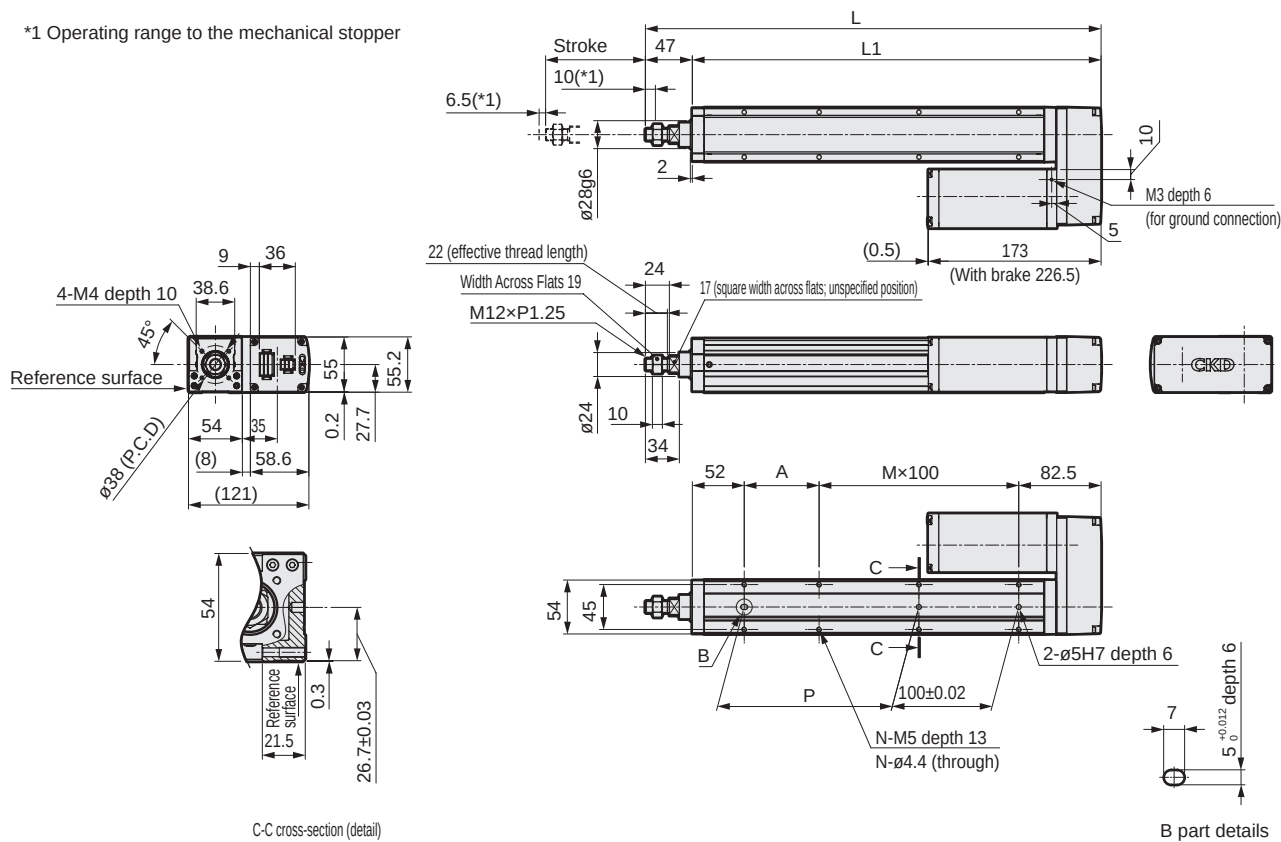
*The above pressing force is a reference value. Variation may occur according to conditions such as pressing speed.

EBR-05G*-P4

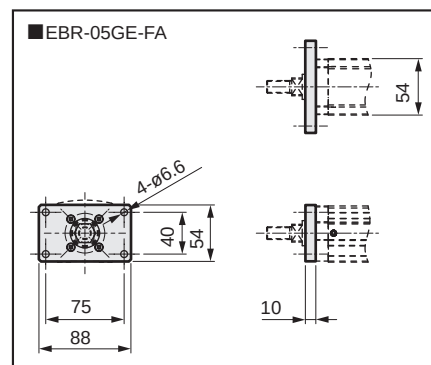
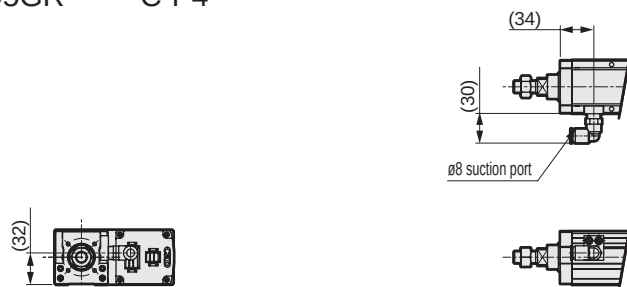
Dimensions Right motor mounting

● EBR-05GR-P4

*1 Operating range to the mechanical stopper



● EBR-05GR-**-**-C-P4



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400
Stroke length (mm)	50	100	150	200	250	300	350	400
L	306.5	356.5	406.5	456.5	506.5	556.5	606.5	656.5
L1	259.5	309.5	359.5	409.5	459.5	509.5	559.5	609.5
A	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4
N	6	6	8	8	10	10	12	12
P	25	75	125	175	225	275	325	375
Weight (kg)								
Without brake	2.4	2.5	2.6	2.8	3.1	3.2	3.2	3.5
With brake	3.5	3.6	3.7	3.9	4.2	4.3	4.3	4.6

* The suction port fitting (ZW-L8-8-P4) is an attachment.

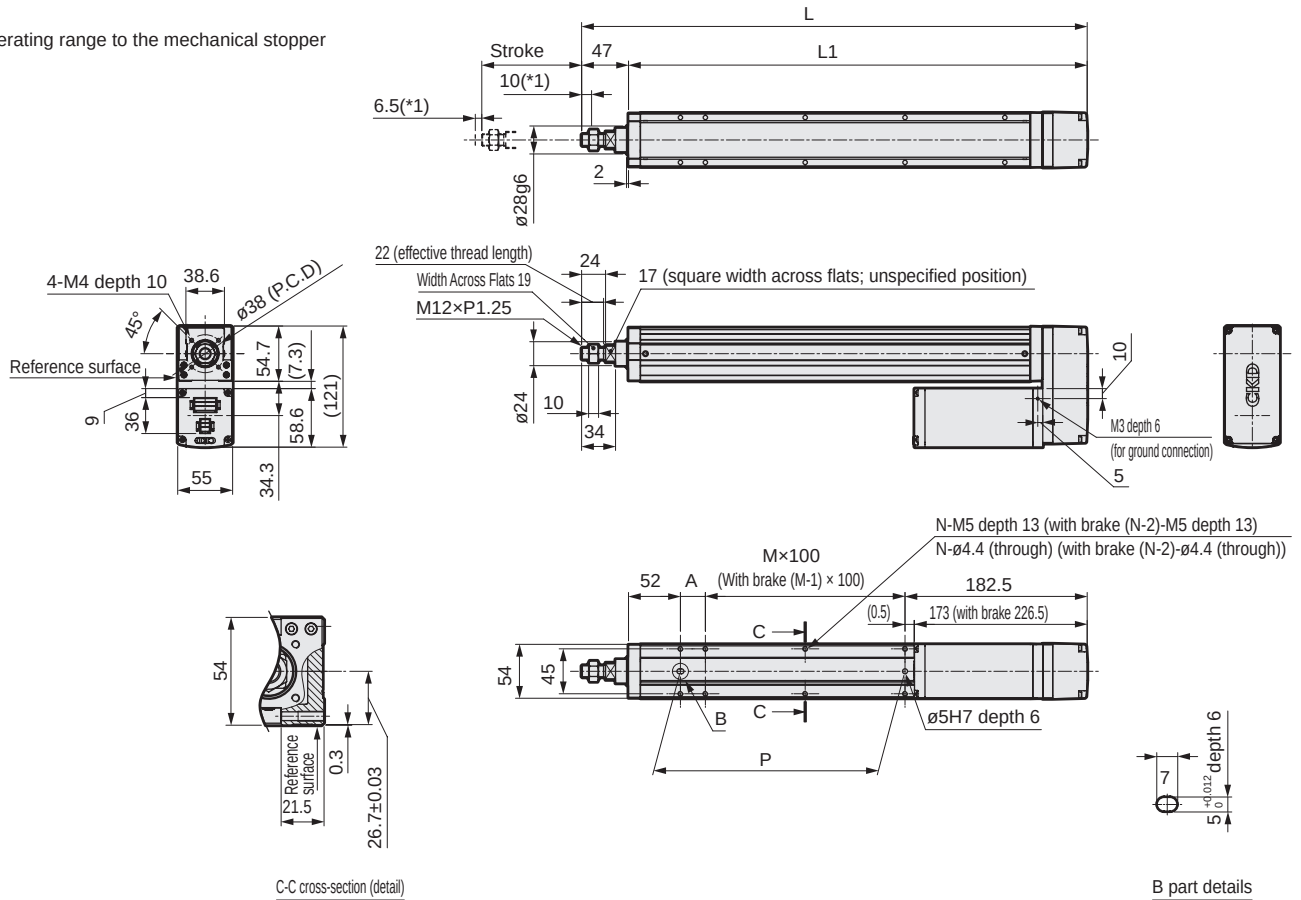
* Use the product with air intake of 30.0Nl/min or less from the intake port.

*2: 50 mm stroke length cannot be selected for types with fittings.

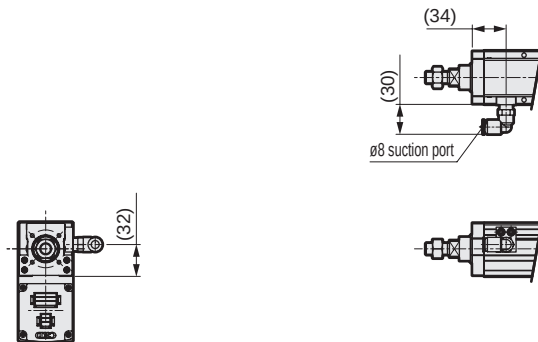
Dimensions Bottom motor mounting

● EBR-05GD-P4

*1 Operating range to the mechanical stopper



● EBR-05GD-**-**-C-P4



Stroke code		0250	0300	0350	0400
Stroke length (mm)		250	300	350	400
L		506.5	556.5	606.5	656.5
L1		459.5	509.5	559.5	609.5
A		25	75	25	75
M		2	2	3	3
N		8	8	10	10
P		225	275	325	375
Weight (kg)	Without brake	3.1	3.2	3.2	3.5
	With brake	4.2	4.3	4.3	4.6

* The suction port fitting (ZW-L8-8-P4) is an attachment.

* Use the product with air intake of 30.0Nl/min or less from the intake port.

EBR-P4
(With motor)

EBR-P4
(With motor)

ECG-A
(Controller)

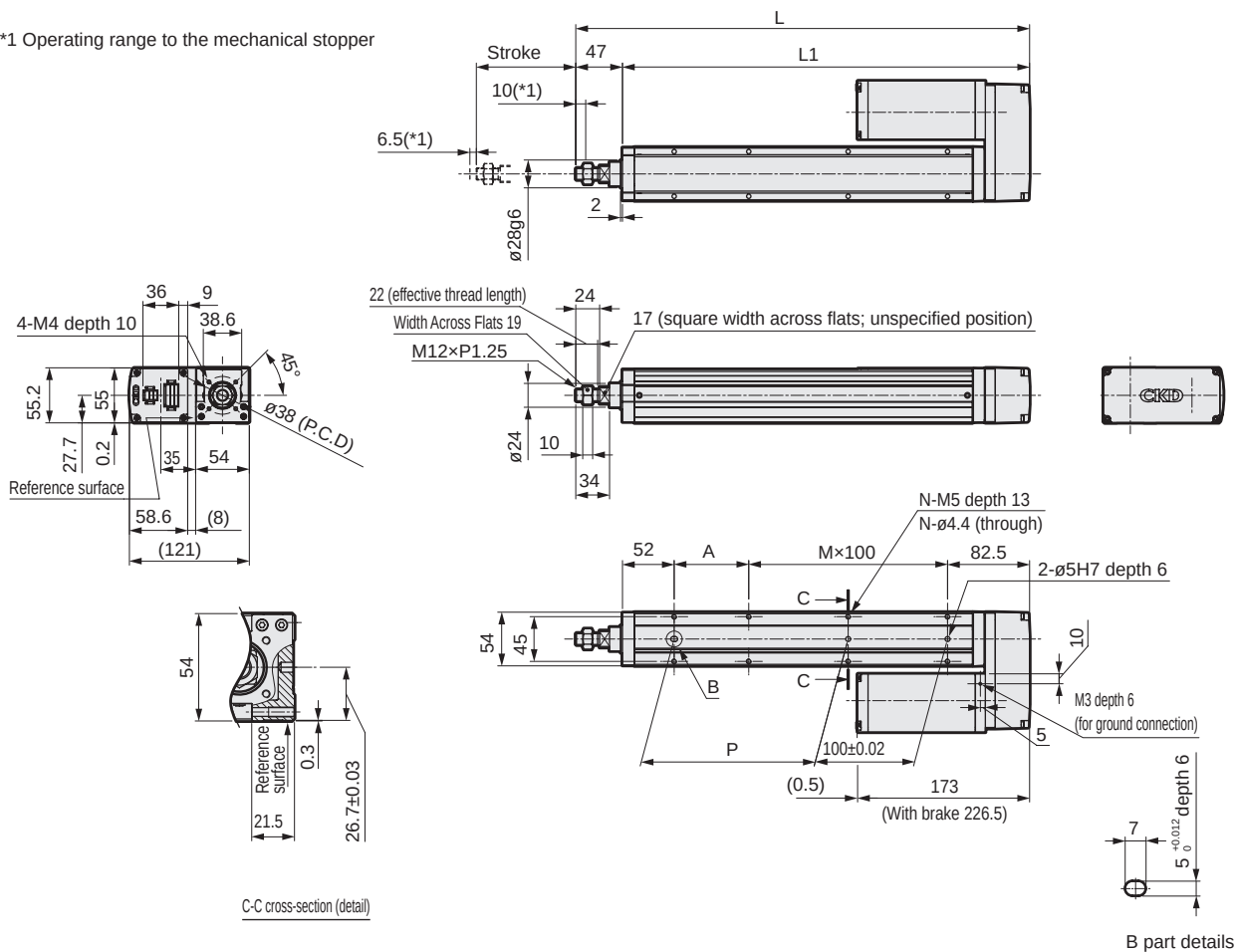
Safety
precautions

EBR-05G*-P4

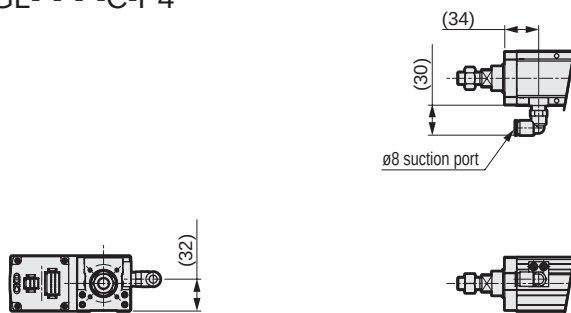
Dimensions Left motor mounting

● EBR-05GL-P4

*1 Operating range to the mechanical stopper



● EBR-05GL-**-*-C-P4



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400
Stroke length (mm)	50	100	150	200	250	300	350	400
L	306.5	356.5	406.5	456.5	506.5	556.5	606.5	656.5
L1	259.5	309.5	359.5	409.5	459.5	509.5	559.5	609.5
A	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4
N	6	6	8	8	10	10	12	12
P	25	75	125	175	225	275	325	375
Weight (kg)	Without brake	2.4	2.5	2.6	2.8	3.1	3.2	3.5
	With brake	3.5	3.6	3.7	3.9	4.2	4.3	4.6

* The suction port fitting (ZW-L8-8-P4) is an attachment.

* Use the product with air intake of 30.0NL/min or less from the intake port.

Notes

EBS-P4 (With motor)
EBR-P4 (With motor)
ECC-A (Controller)
Safety precautions



Electric actuator Rod with built-in guide

EBR-08GE-P4

Straight motor mounting

☐ 56 Stepper motor



How to order

EBR - 08 G E - 00 - 05 0300 N B N - C S03 - C - P4

A Body size
08 Body width 82mm

B Applicable controller *1
G ECG

C Motor mounting direction
E Straight mounting

D Mounting
00 Basic
FA Rod side flange

E Screw lead
05 5 mm
10 10 mm
20 20 mm

F Stroke
0050 to 0700 50 mm (In 50 mm increments) 700 mm

H Encoder
B Battery-less absolute encoder
C Incremental encoder

G Brake *2
N None
B Yes

I Fitting
N None
C Yes

I Relay cable *3
N00 None
S01 Fixing cable 1 m
S03 Fixing cable 3 m
S05 Fixing cable 5 m
S10 Fixing cable 10 m
R 01 Movable cable 1 m
R 03 Movable cable 3 m
R 05 Movable cable 5 m
R 10 Movable cable 10 m

*1 Select the controller from page 85.

*2 For vertical use, select "Yes".

*3 Refer to page 96 for relay cable dimensions.

Specifications

Motor	☐ 56 Stepper motor		
Encoder type	Battery-less absolute encoder Incremental encoder		
Drive method	Ball screw ø16		
Stroke mm	50 to 700		
Screw lead mm	5	10	20
Max. workload kg *1	Horizontal	80.0	70.0
	Vertical	55.0	23.3
Operation speed range *2 mm/s	6 to 100	12 to 240	25 to 400
Maximum pushing force N	965	482	241
Pressing operation speed range mm/s	5 to 20	5 to 20	5 to 20
Repeatability mm	±0.01		
Lost motion mm	0.1 or less		
Motor power supply voltage	24 VDC ±10%		
Motor section max. instantaneous current A	4.0		
Brake	Model, power supply voltage	Non-excitation operation, 24 VDC ±10%	
	Power consumption W	7.2	
	Holding force N	768	384
Insulation resistance	10 MΩ, 500 VDC		
Withstand voltage	500 VAC for 1 minute		
Operating ambient temperature	10 to 40 °C (no freezing)		
Storage ambient temperature	-10 to 50°C (no freezing)		
Atmosphere	No corrosive gas, explosive gas, or dust		
Degree of protection	IP40		

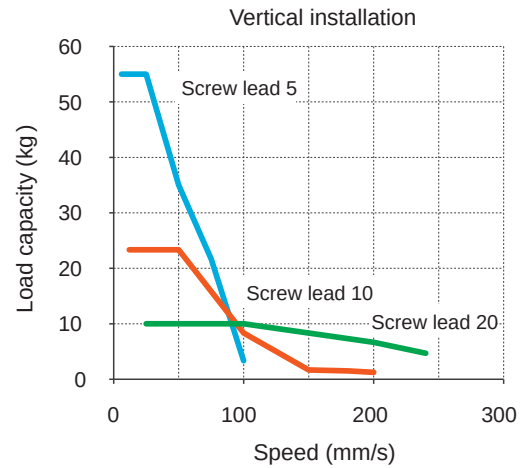
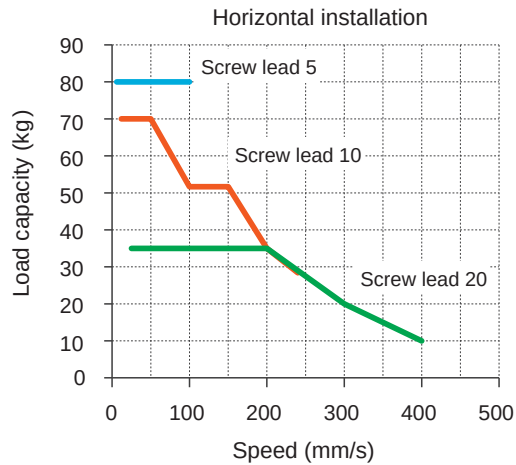
*1 Load capacity varies according to acceleration/deceleration and speed. Refer to pages 82 and 83 for details.

*2 The maximum speed may decrease depending on the conditions.

Stroke and max. speed

Screw lead	(mm/s)
	Stroke
	50 to 700
5	100
10	240
20	400

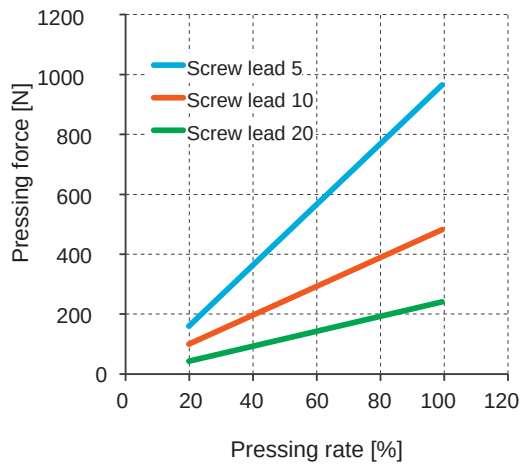
Speed and load capacity



* Acceleration/Deceleration 0.3G.

* Refer to pages 82 and 83 for details.

Pressing force



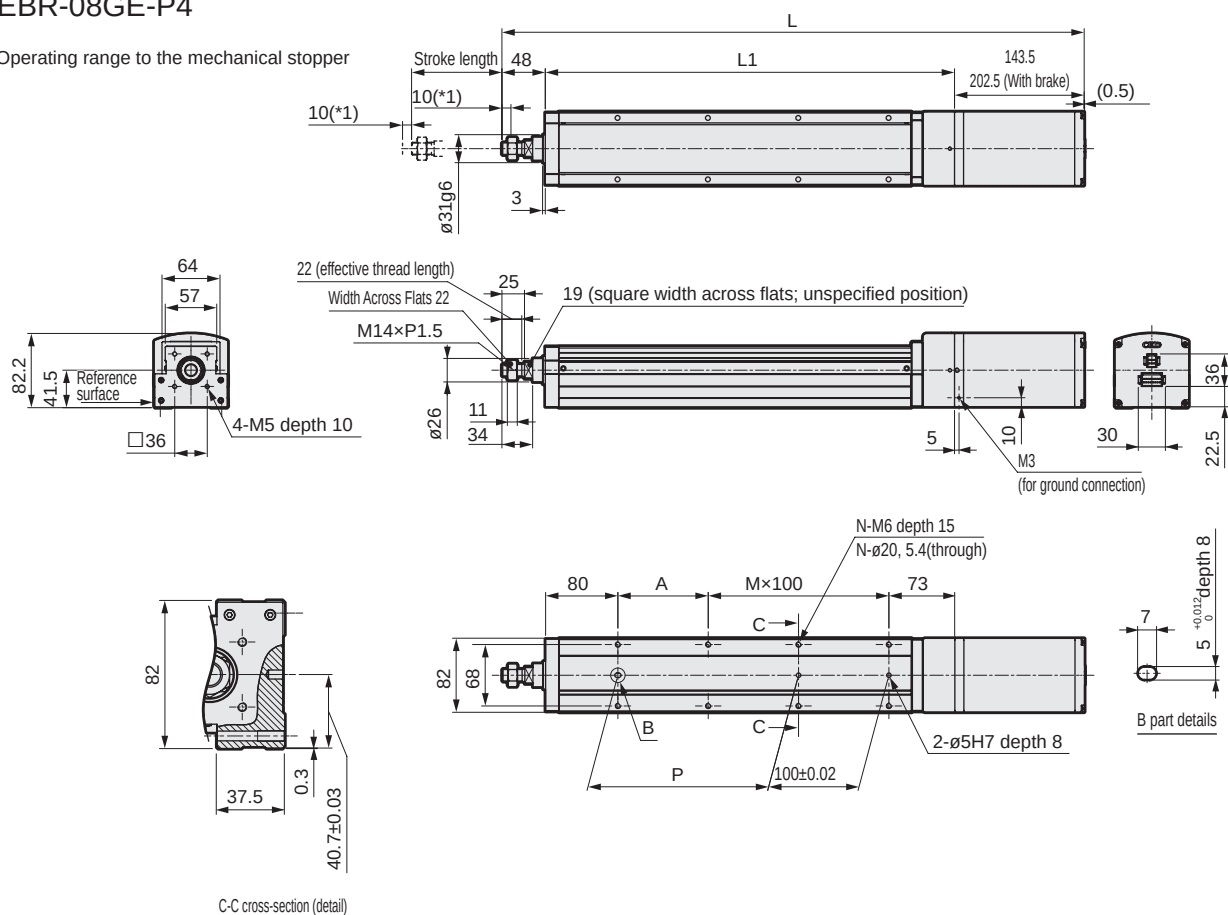
*The above pressing force is a reference value. Variation may occur according to conditions such as pressing speed.

EBR-08GE-P4

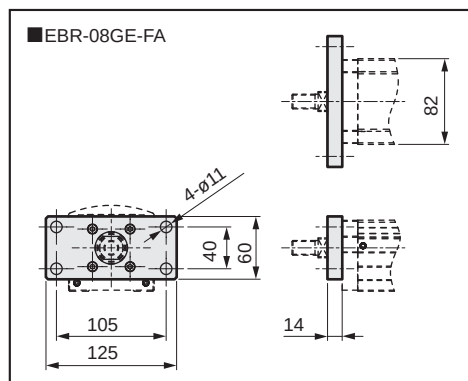
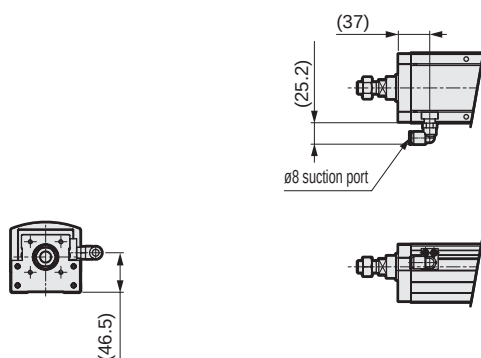
Dimensions

● EBR-08GE-P4

*1 Operating range to the mechanical stopper



● EBR-08GE-*-*-*-C-P4



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500	0550	0600	0650	0700
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500	550	600	650	700
L	Without brake	494.5	544.5	594.5	644.5	694.5	744.5	794.5	844.5	894.5	944.5	1044.5	1094.5	1144.5
	With brake	553.5	603.5	653.5	703.5	753.5	803.5	853.5	903.5	953.5	1003.5	1053.5	1103.5	1203.5
L1		303	353	403	453	503	553	603	653	703	753	803	853	903
A		50	100	50	100	50	100	50	100	50	100	50	100	50
M		1	1	2	2	3	3	4	4	5	5	6	6	7
N		6	6	8	8	10	10	12	12	14	14	16	16	18
P		50	100	150	200	250	300	350	400	450	500	550	600	650
Weight (kg)	Without brake	6.2	6.6	7.0	7.3	7.7	8.1	8.5	8.8	9.2	9.6	9.9	10.3	10.7
	With brake	7.5	7.9	8.3	8.6	9.0	9.4	9.8	10.1	10.5	10.9	11.2	11.6	12.0

* The suction port fitting (ZW-L8-8-P4) is an attachment.

* Keep the air intake amount from the intake port at 30.0Nl/min or less.

Notes

EBS-P4 (With motor)
EBR-P4 (With motor)
ECC-A (Controller)
Safety precautions



Electric actuator Rod with built-in guide

EBR-08G*-P4

Motor side mounting (left, right, bottom)

□56 Stepper motor



How to order

EBR - 08 G R - 00 - 05 0300 N B N - C S03 - C - P4

A Body size
08 Body width 82mm

B Applicable controller *1
G ECG

C Motor mounting direction *2
R Right mounting
D Bottom mounting
L Left mounting

D Mounting
00 Basic
FA Rod side flange

E Screw lead
05 5 mm
10 10 mm
20 20 mm

F Stroke *2
0050 to 0700
50 mm (In 50 mm increments)
700 mm

H Encoder
B Battery-less absolute encoder
C Incremental encoder

G Brake *3
N None
B Yes

J Fitting
N None
C Yes

I Relay cable *4
N00 None
S01 Fixing cable 1 m
S03 Fixing cable 3 m
S05 Fixing cable 5 m
S10 Fixing cable 10 m
R 01 Movable cable 1 m
R 03 Movable cable 3 m
R 05 Movable cable 5 m
R 10 Movable cable 10 m

*1 Select the controller from page 85.

*2 When the motor mounting direction "D" is selected, the stroke length will be a selection from "0250 (250 mm)" to "0700 (700 mm)".

*3 When using vertically, select "Yes".

*4 Refer to page 96 for relay cable dimensions.

Specifications

Motor		□56 Stepper motor		
Encoder type		Battery-less absolute encoder Incremental encoder		
Drive method		Ball screw ø16		
Stroke	mm	50 to 700		
Screw lead	mm	5	10	20
Max. workload kg *1	Horizontal	80.0	70.0	35.0
	Vertical	55.0	20.0	8.3
Operation speed range *2	mm/s	6 to 100	12 to 200	25 to 320
Maximum pushing force	N	965	482	241
Pressing operation speed range	mm/s	5 to 20	5 to 20	5 to 20
Repeatability	mm	±0.01		
Lost motion	mm	0.1 or less		
Motor power supply voltage		24 VDC ±10%		
Motor section max. instantaneous current		A 4.0		
Brake	Model, power supply voltage	Non-excitation operation, 24 VDC ±10%		
	Power consumption	W 7.2		
	Holding force	N 768	384	192
Insulation resistance		10 MΩ, 500 VDC		
Withstand voltage		500 VAC for 1 minute		
Operating ambient temperature		10 to 40 °C (no freezing)		
Storage ambient temperature		-10 to 50°C (no freezing)		
Atmosphere		No corrosive gas, explosive gas, or dust		
Degree of protection		IP40		

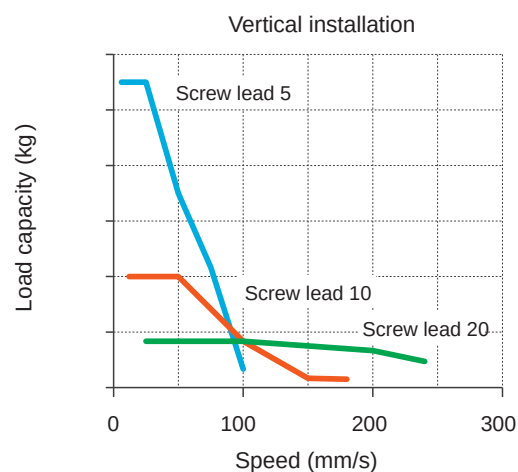
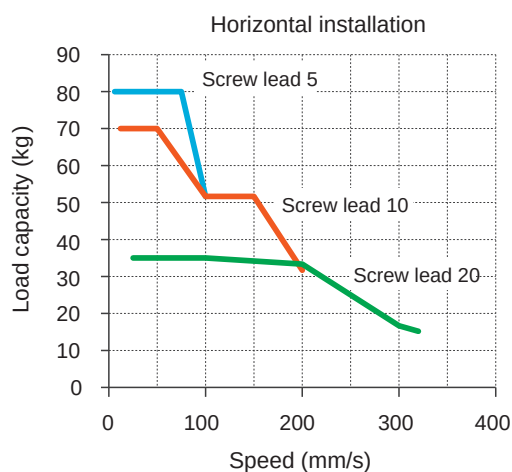
*1 Load capacity varies according to acceleration/deceleration and speed. Refer to pages 82 and 83 for details.

*2 The maximum speed may decrease depending on the conditions.

Stroke and max. speed

Screw lead	(mm/s)
	Stroke
5	50 to 700
10	200
20	320

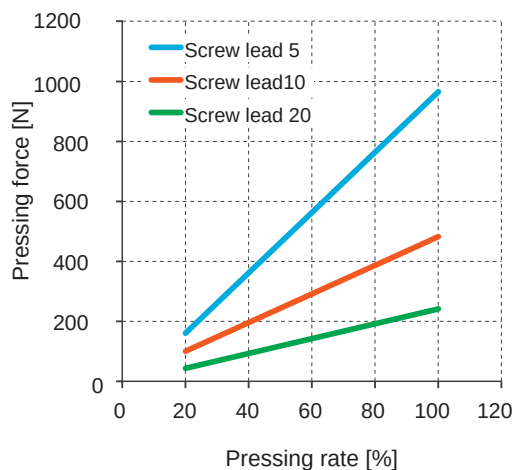
Speed and load capacity



* Acceleration/Deceleration 0.3G.

* Refer to pages 82 and 83 for details.

Pressing force

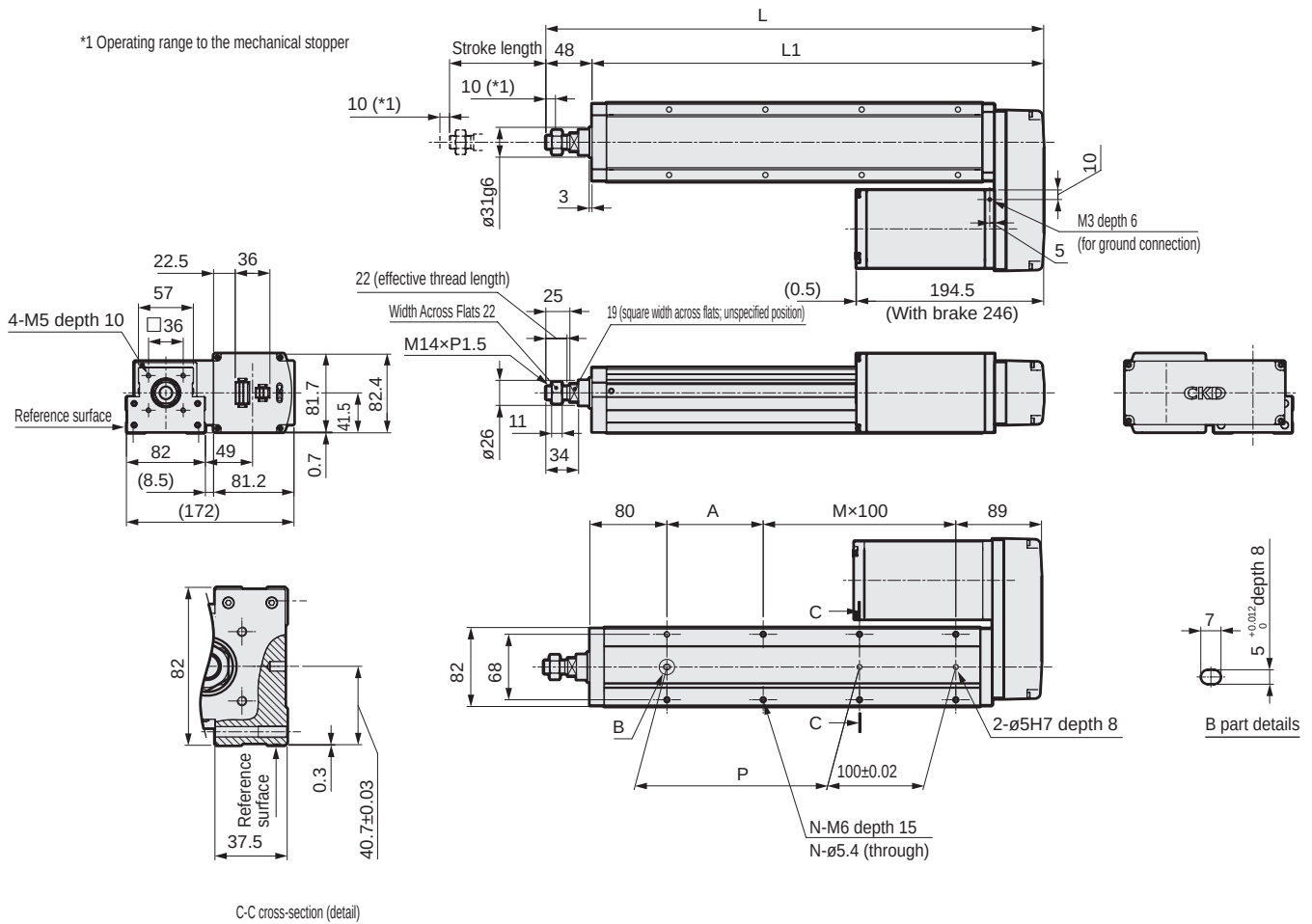


*The above pressing force is a reference value. Variation may occur according to conditions such as pressing speed.

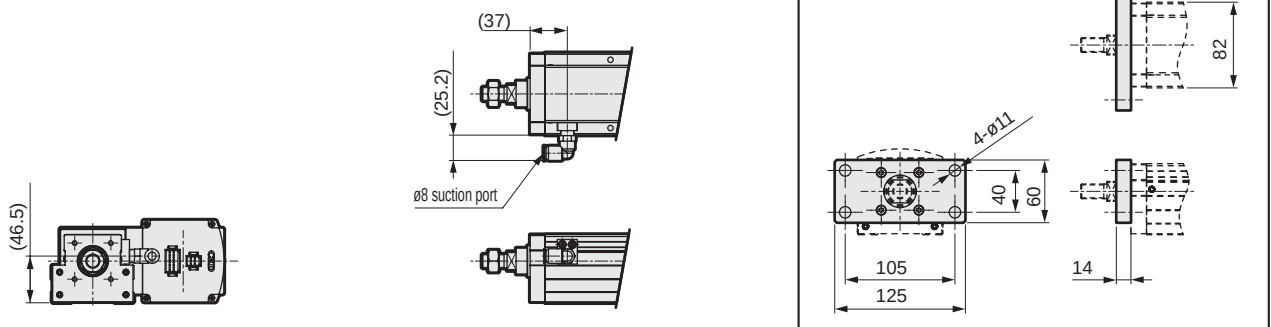
EBR-08G*-P4

Dimensions Right motor mounting

EBR-08GR-P4



EBR-08GR-*-*-*C-P4



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500	0550	0600	0650	0700
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500	550	600	650	700
L	367	417	467	517	567	617	667	717	767	817	867	917	967	1017
L1	319	369	419	469	519	569	619	669	719	769	819	869	919	969
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700
Weight (kg)	Without brake	5.9	6.3	6.7	7.0	7.3	7.7	8.0	8.3	8.6	8.9	9.4	9.7	10.1
	With brake	7.2	7.6	8.0	8.3	8.6	9.0	9.3	9.6	9.9	10.2	10.7	11.0	11.4

* The suction port fitting (ZW-L8-8-P4) is an attachment.

* Use the product with air intake of 30.0Nl/min or less from the intake port.

