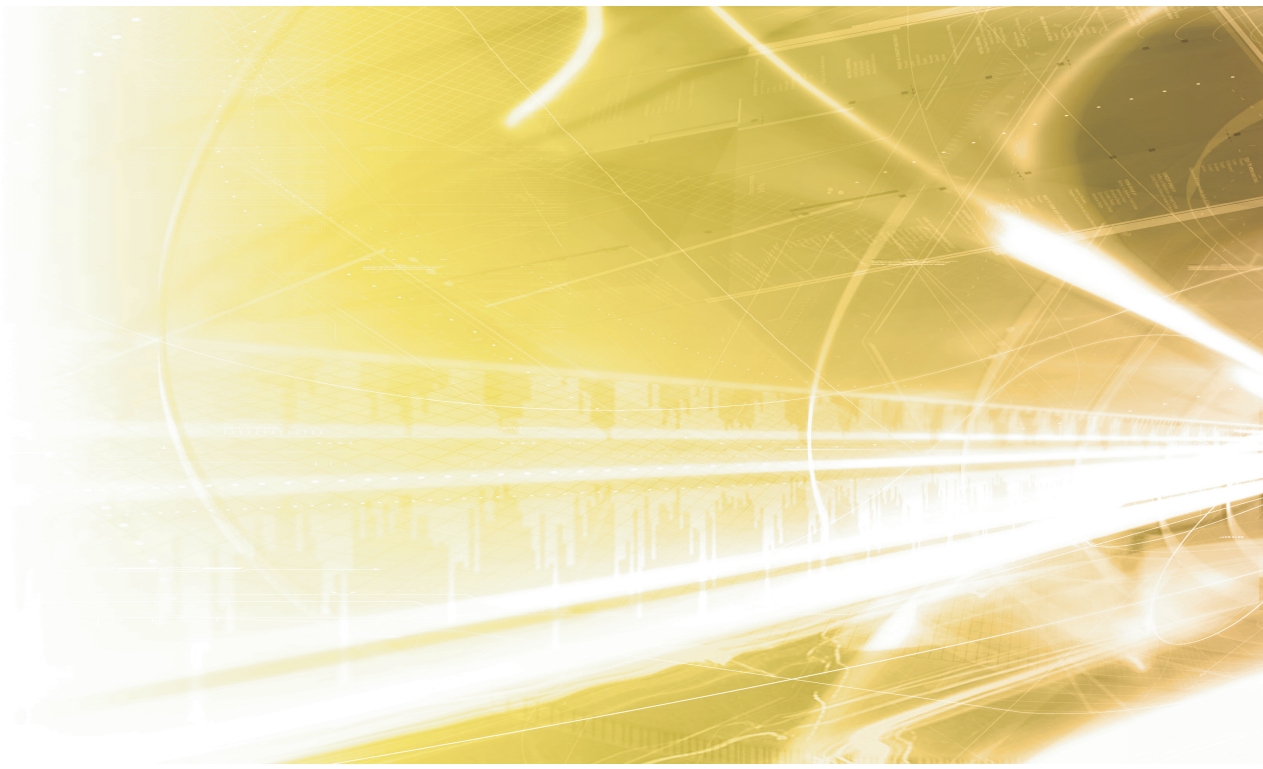
Alpha Belt Gantry Robot

BG
Belt Series



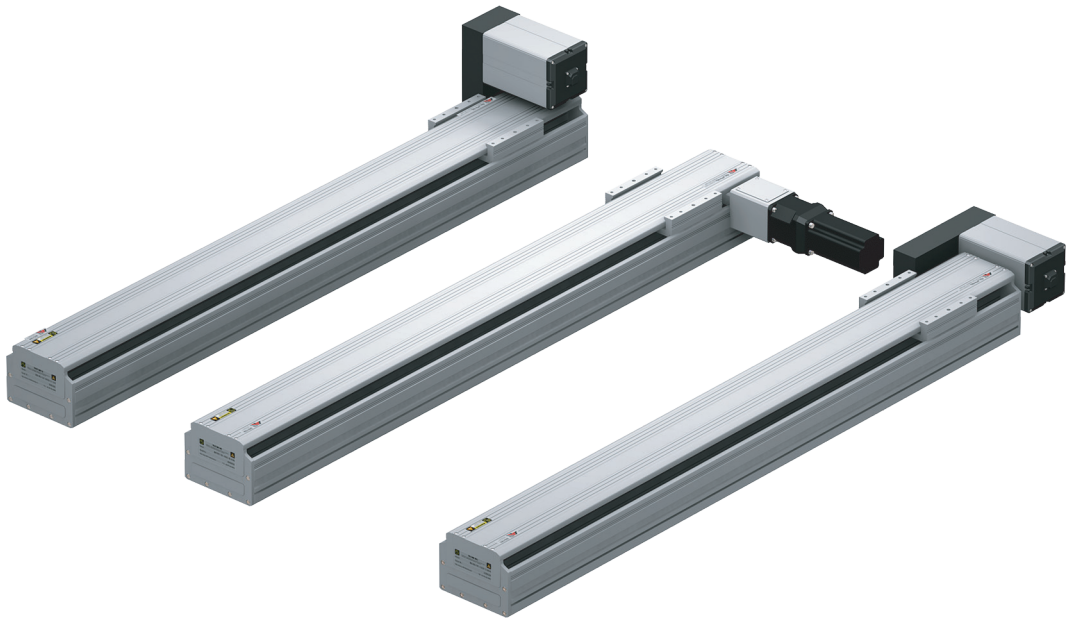


- Through optimization of gantry system, sagging against high load is minimized.
  갠트리방식 설치에 최적으로 고하중에서의 처짐량을 최소화 시킴
- High speed possible in long stroke
  Long Stroke에 고속도 대응 가능
- Positioning repeatability ±0.1mm
  반복위치 정밀도가 ±0.1mm
- With dedicated AC servo motor for robot, convenience of maintenance and high reliability guaranteed
  로봇 전용 AC Servo Motor를 채택하여 유지보수의 편리성 및 높은 신뢰성 실현
- Designed to be configurated variously, wide-ranging appliction available
  다양한 조합이 가능하도록 설계되어 적용시 유용성 실현

ORDER INFORMATION

A BG SERIES

BG180	-	SR	1	-	2000	-	75	N	-	R04
1		2	3		4		5	6		7



1 SERIES
2 SHAPE
3 SLIDE TABLE TYPE
4 STROKE (mm)
5 MOTOR RATED OUTPUT
6 BRAKE OPTION
7 REDUCER

B Options

I	-	H	LF	C	75	-	W	-	N	-	F00
1		2	3	4	5		6		7		8

1 SENSOR
2 3 4 5 CABLEVEYOR
6 COLOR OF ROBOT
7 SURFACE TREATMENT
8 CABLE LENGTH

ORDER INFORMATION

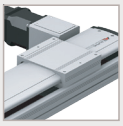
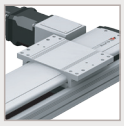
BG SERIES — ALPHA Belt Gantry Robot


BG180


BG230

* In case of being mounted on wall or vertical operation of Belt robot, please give us a call.

SR		Straight Right Type	SL		Straight Left Type			
PL		Parallel Left Type	UL		Under Left Type	BL		Back Left Type
PR		Parallel Right Type	UR		Under Right Type	BR		Back Right Type

1	Standard Normal Type		
2	Standard Plane Type		



75	750W	1K	1000W	1.5K	1500W

N	Without Brake	B	With Brake

R03	R04	R06	R08
1/3	1/4	1/6	1/8

* Applied to not Parallel type but Straight type
* Please refer text regarding standard reducing ratio of each model

I	Internal Sensor (Standard)	E	External Sensor

2 Attaching Type

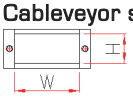
N	None	H	Horizontal



3 Cableveyor direction

LF	Left - Front	RF	Right - Front
LR	Left - Rear	RR	Right - Rear

4 Cableveyor selection (Hmm × Wmm)



Standard	CPS	C	28×55	D	28×75
Cleanroom	IGUS	G	29×60	H	29×80
	TSUBAKI	K	28×60	L	29×80

5 The radius of curvature (mm)

75	R70 ~ R75

* Please see the catalogue A60.3 for more information of cableveyor.

W	White (Standard)	B	Black Anodizing

S	Surface Treatment (Standard)	R	Raydent Surface Treatment (LM Rail)

Flexible Cable

F00	None	F03	3m	F05	5m	F07	7m	F10	10m

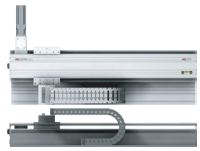
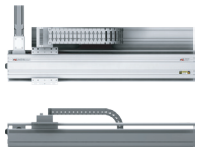
* Please do not hesitate to contact us when the cable is applied more than 10m.

B ORDER INFORMATION - OPTIONS

2 3 4 5 Cableveyor Selecting Options

Series	Applicable Type			
	Horizontal	Wall Hanging	Rear	Double
BG	●			

2 3

Applicable Type	Cableveyor Directions			
N None NOTE1	L F Left-Front	R F Right-Front	L R Left-Rear	R R Right-Rear
H Horizontal				
W Wall Hanging				
R Rear				
D Double				

3

Cableveyor Directions

L F
Cableveyor Mounted Direction
Cable Outlet Direction

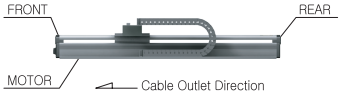
Cableveyor Mounted Direction

L Left 

R Right 

Cable Outlet Direction

F Front

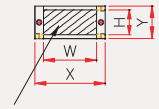


R Rear



4 5 * Cableveyor Selecting

Unit : mm



Wiring space (Pic 10-1)

STANDARD							
Selecting Item	Internal dimentions H	Internal dimentions W	External dimentions Y	External dimentions X	Radius R	Capacity (mm²) NOTE2 Origin	
A	24	47	31	59.5	45	1128	
B	28	35	35	79.5	55	980	
C		55		99.5	75	1540	
D		75		119.5	95	2100	
E		100		139.5	100	2800	

CLEANROOM																
Selecting Item	Internal dimentions H	Internal dimentions W	External dimentions Y	External dimentions X	Radius R	Capacity (mm²) NOTE2 Origin	Selecting Item	Internal dimentions H	Internal dimentions W	External dimentions Y	External dimentions X	Radius R	Capacity (mm²) NOTE2 Origin
F	29	40	35	59.5	45	1160	J	28	40	35	60	45	1120
G		60		79.5	55	1740	K		60		80	55	1680
H		80		99.5	75	2320	L		80		100	75	2240
I		100		119.5	95	2900	M		100		120	95	2800
-			-	-	100	-	-			-	-	100	-

CAUTION

*Be sure to install in the direction as specified individually.
*Installation in any other way will cause a failure.
*For requirement of installation in any way other than the above standard installation, please consult Head Office and Agent.

NOTE1 In case that cableveyor is not affixed, it does not need to mark cableveyor specification and instead, just mark 'N'(none).
NOTE2 Please select the floor area ratio by user's using environment, using condition at below 60%

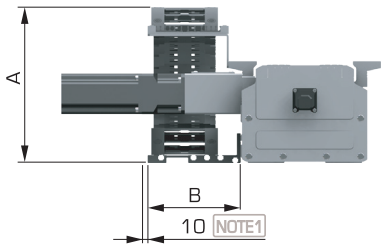
주의

*반드시 개별적으로 지정한 방향으로 설치해 주십시오.
*상기 표준 이외의 방법으로 설치하는 것은 고장의 원인이 됩니다.
*상기 표준 이외의 방법으로 설치할 경우에는 대리점 및 당사에 문의바랍니다.

NOTE1 케이블베어를 장착하지 않을 경우에는 "N"(None)만 표기하고 다른 케이블베어 사양은 표기하지 않습니다.
NOTE2 용적률은 사용자의 용적으로 검토해 주십시오.
용적률은 사용자의 사용환경, 사용조건에 따라 60%이하로 적절히 선정하십시오.

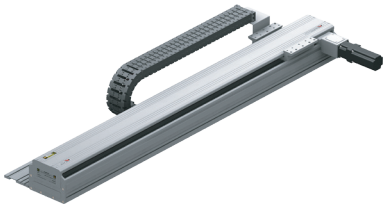
B ORDER INFORMATION

2 H Horizontal Type

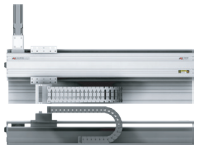
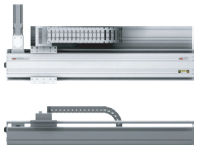
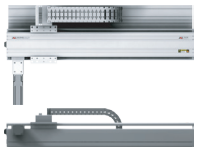
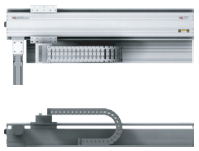
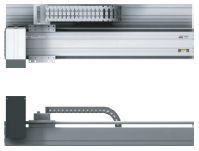
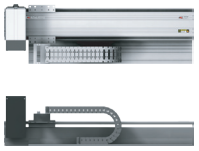
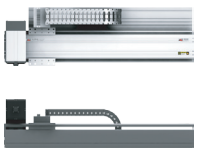
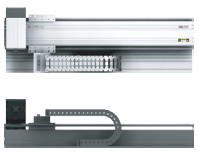
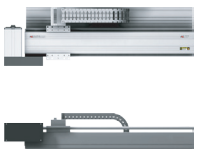
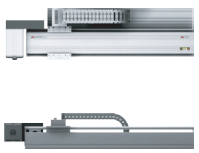
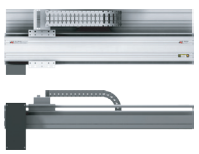
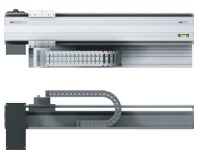
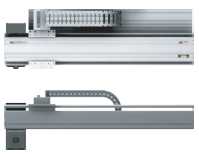
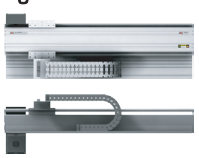


BASE SIZE	CABLEVEYOR		S1		S2	
	Bending radius R	Internal dimentions	A	B	A	B
BG180	R075	55, 60	228	98	228	118
		75, 80	228	118	228	138
BG230	R075	55, 60	254	98	254	118
		75, 80	254	118	254	138



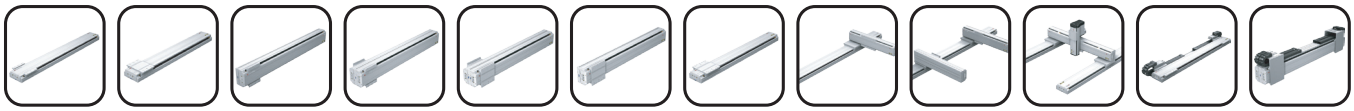


3 NOTE2 Cableveyor Directions

	L F Left - Front	R F Right - Front
SL type		
SR type		
PL type		
PR type		
BL type		
BR type		
UL type		
UR type		

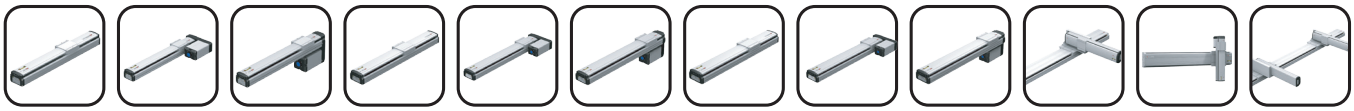
NOTE1 This is a minimum space allowance between Cableveyor and external interference when robot drives.
NOTE2 For the information of Cable veyor of blank, please contact a distributor or our company.

NOTE1 로봇을 구동할 때에 케이블베어와 외부 간섭과의 최소여유치수입니다.
NOTE2 빈칸의 케이블베어 장착은 영업점 및 폐사에 문의 바랍니다.



ALPHA ROBOT SPECIFICATIONS

Product		Rated Output	Max. Speed	Max. Load (H)
		w	mm/s	50 100 150 200 kg
BG SERIES	180	750W - R03	1750	45
		750W - R04	1300	60
		750W	1700	40
	230	750W - R06	1300	80
		750W - R08	1000	120
		1000W - R03	1750	120
		1000W	2000	120



PRO GRAM | mm | mm/s | kg

Repeatability mm	Max. Stroke 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 mm		Page no.
±0.1		2800	B61.1 ~ 8
±0.1		2800	B61.1 ~ 8
±0.1		2800	B61.1 ~ 8
±0.1		3200	B62.1 ~ 10
±0.1		3200	B62.1 ~ 10
±0.1		3200	B62.1 ~ 10
±0.1		3200	B62.1 ~ 10

Model | **BG180-SL** | BG180-SR | BG180-PL | BG180-PR | BG180-BL | BG180-BR | BG180-UL | BG180-UR

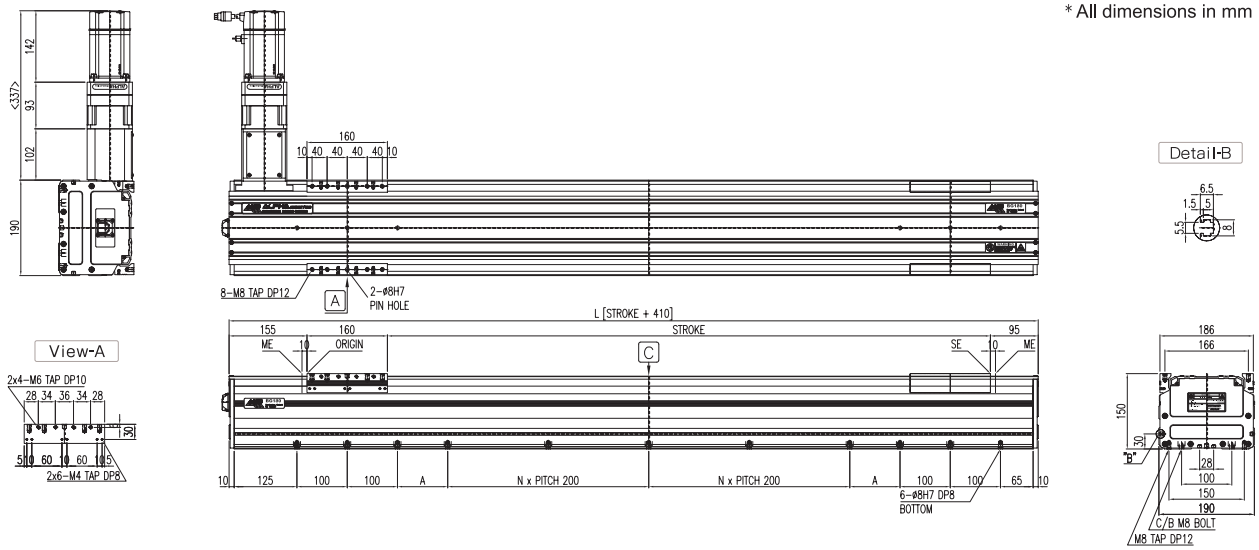
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	BG180-SL1/2-75N-R03/R04	
BG180-SL1			BG180-SL2	
Rated Output		W	750W, 3000 min^{-1}, R03	750W, 3000 min^{-1}, R04
Max. Speed	Note1	mm/s	1750	1300
Max. Load	Note2	kg	45	60
Stroke Range		mm	200 ~ 2800	
Repeatability		mm	±0.1	
Drive Type		-	BELT	

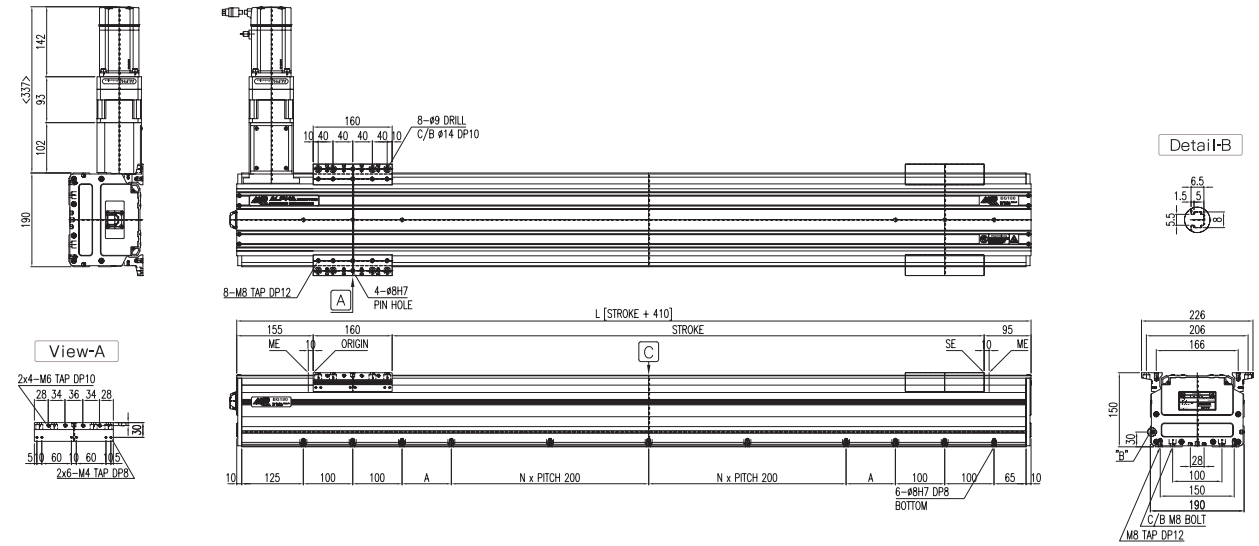
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	30	40	50	60
Allowable Overhang Distance - mm	Note3 Horizontal Use	0°	850	775	450	367
		45°	850	810	472	388
		90°	850	850	850	850
	Note4 Wall Installation Use	0°	850	740	430	354
		45°	663	468	319	264
		90°	850	830	570	465
	Note5 Vertical Use	0°	850	665	460	385
		45°	605	429	306	254
		90°	850	660	465	385
Note3	Estimated Condition	Max Speed : 1700 mm/s	Acceleration : 0.3 G (2.94 m/s²)			
		Life in traveled distance : 30000 km				

BG180-SL1

* All dimensions in mm



BG180-SL2



Weight	Model \ Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	2800	Offset(100)
	SL1/2-75N-R03/R04	kg	37.2	46.6	56.0	65.4	74.8	84.2	93.6	103.0	112.4	115.5	3.13

Speed	Model \ Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	2800	Offset(100)
	SL1/2-75N-R03/R04	mm/s	1750										
	SL1/2-75N-R03/R04	mm/s	1300										

⚠ CAUTION

In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. -ME : Mechanical End -SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75,100,125, 150, 175, and 200.
Dimensions of "< >" are subject to change by specifications of motor or gearbox(reducer).

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 it is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 In case of Vertical use or Wall installation use, please consult with us.

Model | BG180-SL | **BG180-SR** | BG180-PL | BG180-PR | BG180-BL | BG180-BR | BG180-UL | BG180-UR

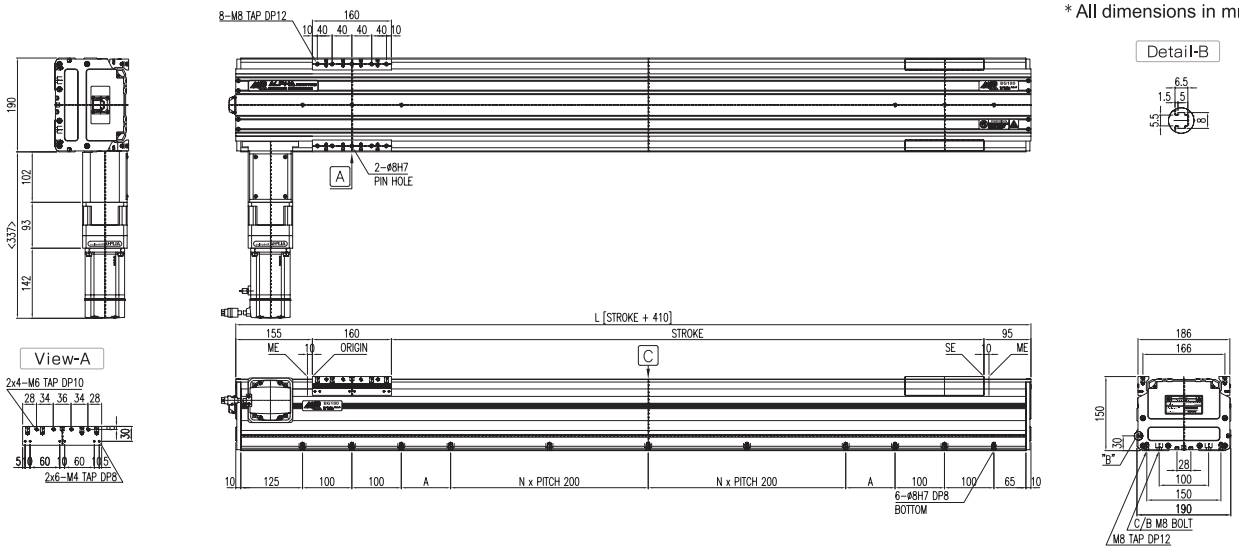
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	BG180-SR1/2-75N-R03/R04	
			BG180-SR1	BG180-SR2
Rated Output		W	750W, 3000 min-1, R03	750W, 3000 min-1, R04
Max. Speed	Note1	mm/s	1750	1300
Max. Load	Note2	kg	45	60
Stroke Range		mm	200 ~ 2800	
Repeatability		mm	±0.1	
Drive Type		-	BELT	

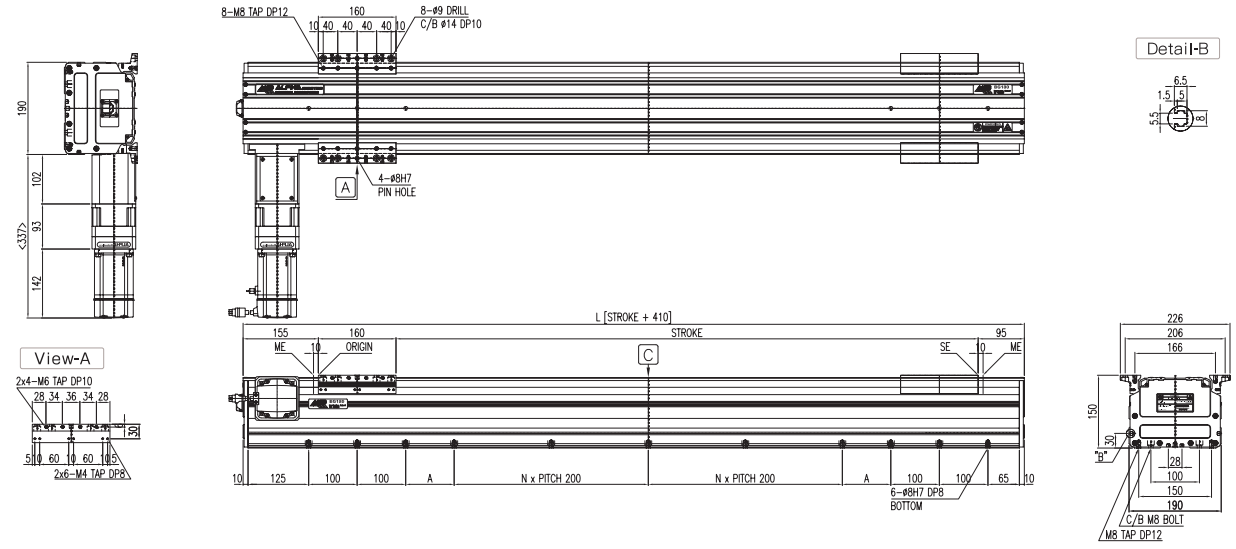
Specification	Unit	Data			
Acceleration	G	0.3			
Load	kg	30	40	50	60
Allowable Overhang Distance - mm — Note3 Horizontal Use	0°	850	775	450	367
	45°	850	810	472	388
	90°	850	850	850	850
Note4 Wall Installation Use	0°	850	740	430	354
	45°	663	468	319	264
	90°	850	830	570	465
Note5 Vertical Use	0°	850	665	460	385
	45°	605	429	306	254
	90°	850	660	465	385
Note3 Estimated Condition	Max Speed : 1700 mm/s		Acceleration : 0.3 G (2.94 m/s²)		
	Life in traveled distance : 30000 km				

BG180-SR1

* All dimensions in mm



BG180-SR2



Weight

Model \ Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	2800	Offset(100)
SR1/2-75N-R03/R04	kg	37.2	46.6	56.0	65.4	74.8	84.2	93.6	103.0	112.4	115.5	3.13

Speed

Model \ Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	2800	Offset(100)
SR1/2-75N-R03/R04	mm/s	1750										
SR1/2-75N-R03/R04	mm/s	1300										

⚠ CAUTION

In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75,100,125, 150, 175, and 200.
Dimensions of "< >" are subject to change by specifications of motor or gearbox(reducer).

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 it is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 In case of Vertical use or Wall installation use, please consult with us.

Model | BG180-SL | BG180-SR | **BG180-PL** | BG180-PR | BG180-BL | BG180-BR | BG180-UL | BG180-UR

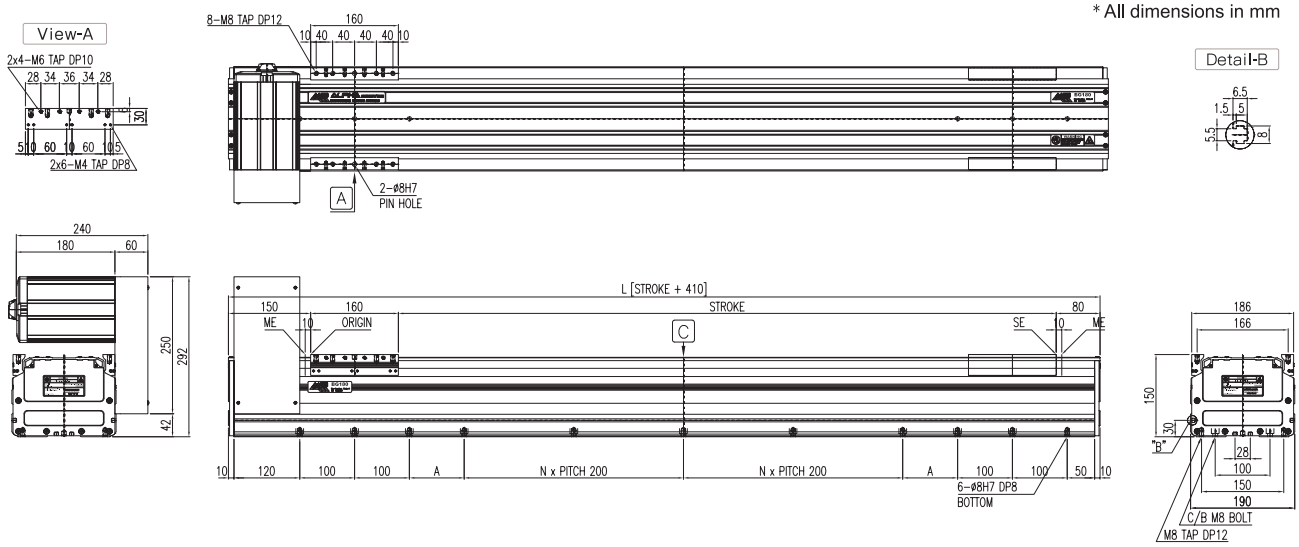
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	BG180-PL1/2-75N
BG180-PL1			BG180-PL2
Rated Output		W	750W, 3000 min^{-1}
Max. Speed	Note1	mm/s	1700
Max. Load	Note2	kg	40
Stroke Range		mm	200 ~ 2800
Repeatability		mm	± 0.1
Drive Type		-	Belt

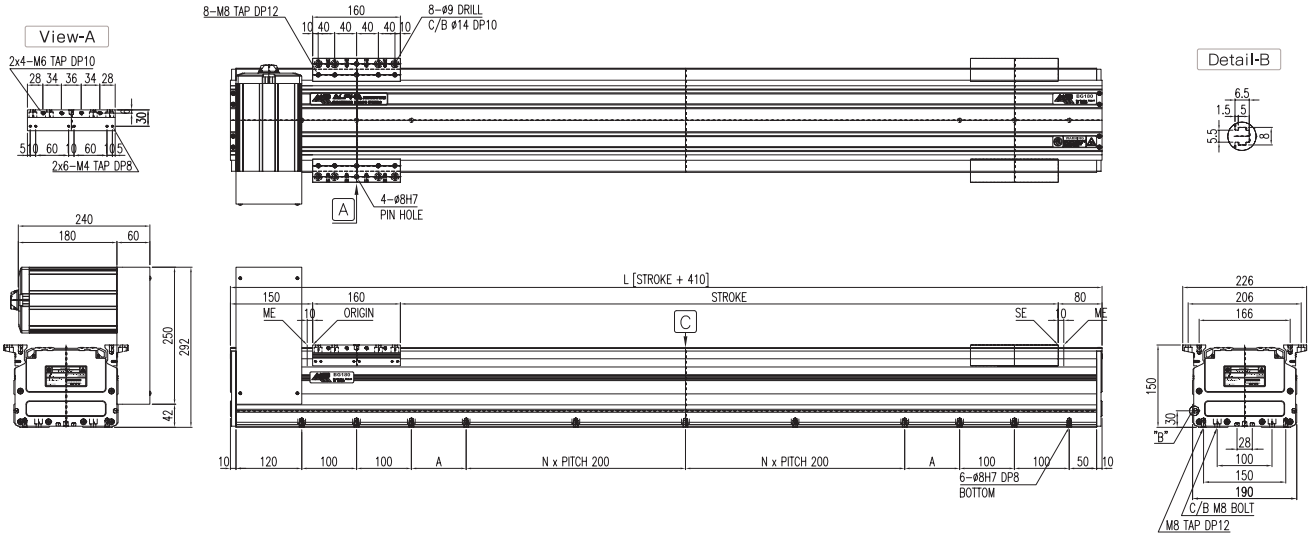
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	30	40	50	60
Allowable Overhang Distance - mm	Note3 Horizontal Use	0°	850	775	450	367
		45°	850	810	472	388
		90°	850	850	850	850
	Note4 Wall Installation Use	0°	850	740	430	354
		45°	663	468	319	264
		90°	850	830	570	465
	Note5 Vertical Use	0°	850	665	460	385
		45°	605	429	306	254
		90°	850	660	465	385
Note3	Estimated Condition	Max Speed : 1700 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

BG180-PL1

* All dimensions in mm



BG180-PL2



	Model \ Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	2800	Offset(100)
Weight	PL1/2-75N	kg	37.1	46.5	55.9	65.3	74.6	84.0	93.4	102.8	112.2	115.3	3.13
Speed	Model \ Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	2800	Offset(100)
	PL1/2-75N	mm/s	1700										

⚠ CAUTION

In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75,100, 125, 150, 175, and 200.

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 it is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 In case of Vertical use or Wall installation use, please consult with us.

Model | BG180-SL | BG180-SR | BG180-PL | **BG180-PR** | BG180-BL | BG180-BR | BG180-UL | BG180-UR

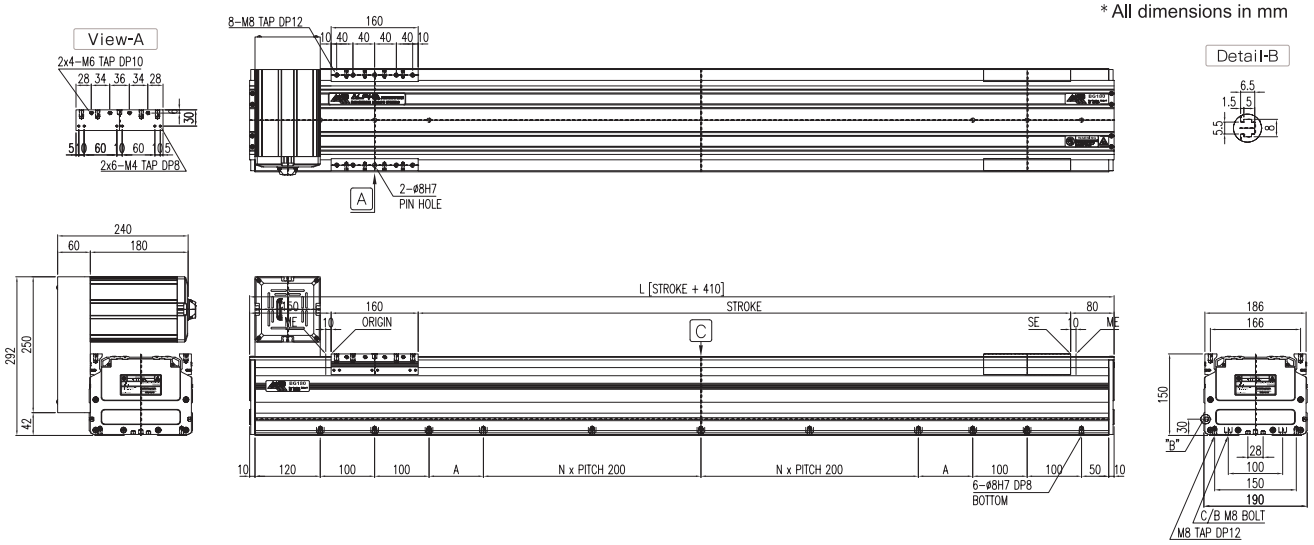
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	BG180-PR1/2-75N
BG180-PR1 			BG180-PR2 
Rated Output		W	750W, 3000 min^{-1}
Max. Speed	Note1	mm/s	1700
Max. Load	Note2	kg	40
Stroke Range		mm	200 ~ 2800
Repeatability		mm	± 0.1
Drive Type		-	Belt

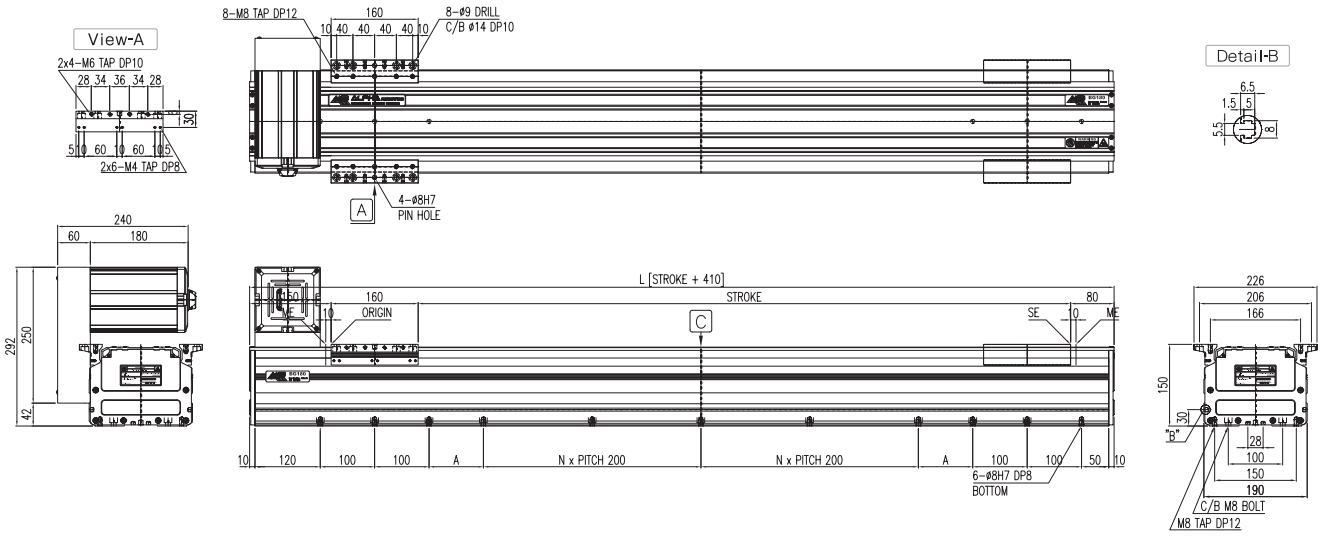
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	30	40	50	60
Allowable Overhang Distance - mm	Note3 Horizontal Use 	0°	850	775	450	367
		45°	850	810	472	388
		90°	850	850	850	850
	Note4 Wall Installation Use 	0°	850	740	430	354
		45°	663	468	319	264
		90°	850	830	570	465
	Note5 Vertical Use 	0°	850	665	460	385
		45°	605	429	306	254
		90°	850	660	465	385
Note3	Estimated Condition	Max Speed : 1700 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

BG180-PR1

* All dimensions in mm



BG180-PR2



Weight	Model \ Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	2800	Offset(100)
	PR1/2-75N	kg	37.1	46.5	55.9	65.3	74.6	84.0	93.4	102.8	112.2	115.3	3.13

Speed	Model \ Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	2800	Offset(100)
	PR1/2-75N	mm/s	1700										

⚠ CAUTION

In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75,100, 125, 150, 175, and 200.

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 it is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 In case of Vertical use or Wall installation use, please consult with us.

Model | BG180-SL | BG180-SR | BG180-PL | BG180-PR | **BG180-BL** | BG180-BR | BG180-UL | BG180-UR

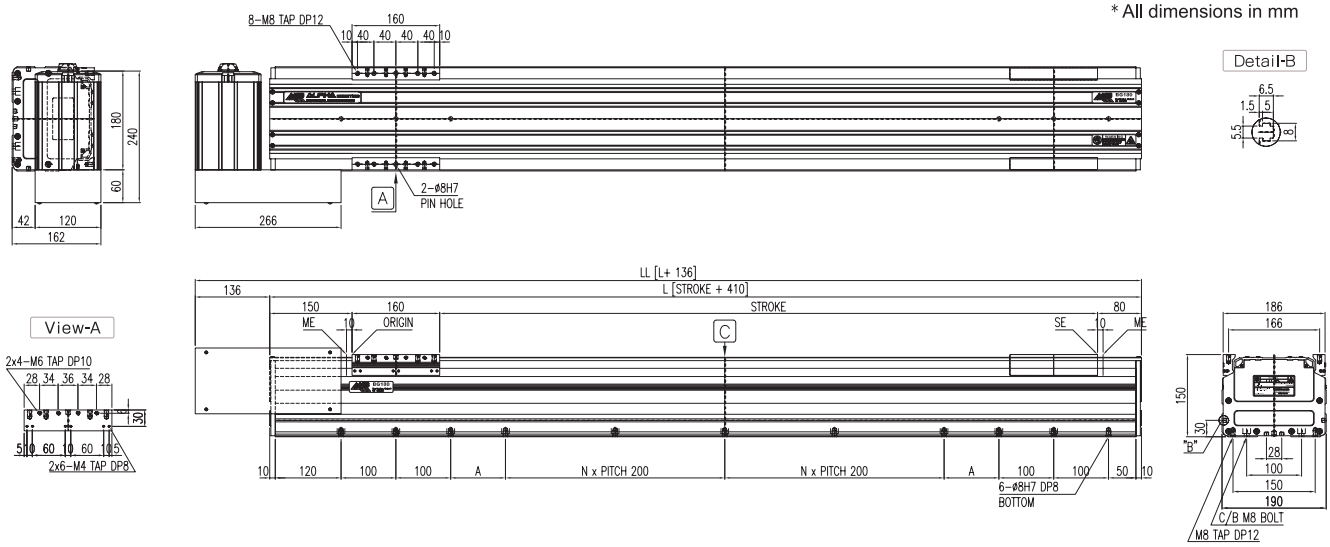
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	BG180-BL1/2-75N
BG180-BL1 		BG180-BL2 
Rated Output	W	750W, 3000 min^{-1}
Max. Speed Note1	mm/s	1700
Max. Load Note2	kg	40
Stroke Range	mm	200 ~ 2800
Repeatability	mm	± 0.1
Drive Type	-	Belt

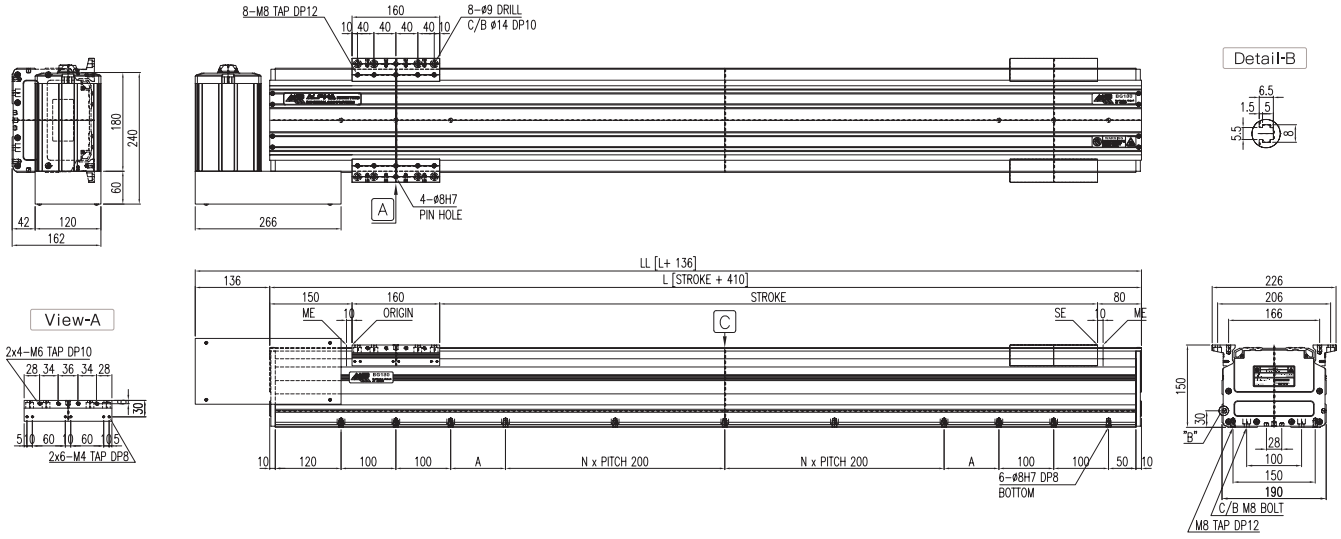
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	30	40	50	60
Allowable Overhang Distance - mm	Note3 Horizontal Use 	0°	850	775	450	367
		45°	850	810	472	388
		90°	850	850	850	850
	Note4 Wall Installation Use 	0°	850	740	430	354
		45°	663	468	319	264
		90°	850	830	570	465
	Note5 Vertical Use 	0°	850	665	460	385
		45°	605	429	306	254
		90°	850	660	465	385
Note3	Estimated Condition	Max Speed : 1700 mm/s			Acceleration : 0.3 G (2.94 m/s^2)	
		Life in traveled distance : 30000 km				

BG180-BL1

* All dimensions in mm



BG180-BL2



	Model \ Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	2800	Offset(100)
Weight	BL1/2-75N	kg	37.1	46.5	55.9	65.3	74.6	84.0	93.4	102.8	112.2	115.3	3.13
Speed	BL1/2-75N	mm/s	1700										

⚠ CAUTION

In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75,100, 125, 150, 175, and 200.

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 it is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 In case of Vertical use or Wall installation use, please consult with us.

Model | BG180-SL | BG180-SR | BG180-PL | BG180-PR | BG180-BL | BG180-BR | BG180-UL | BG180-UR

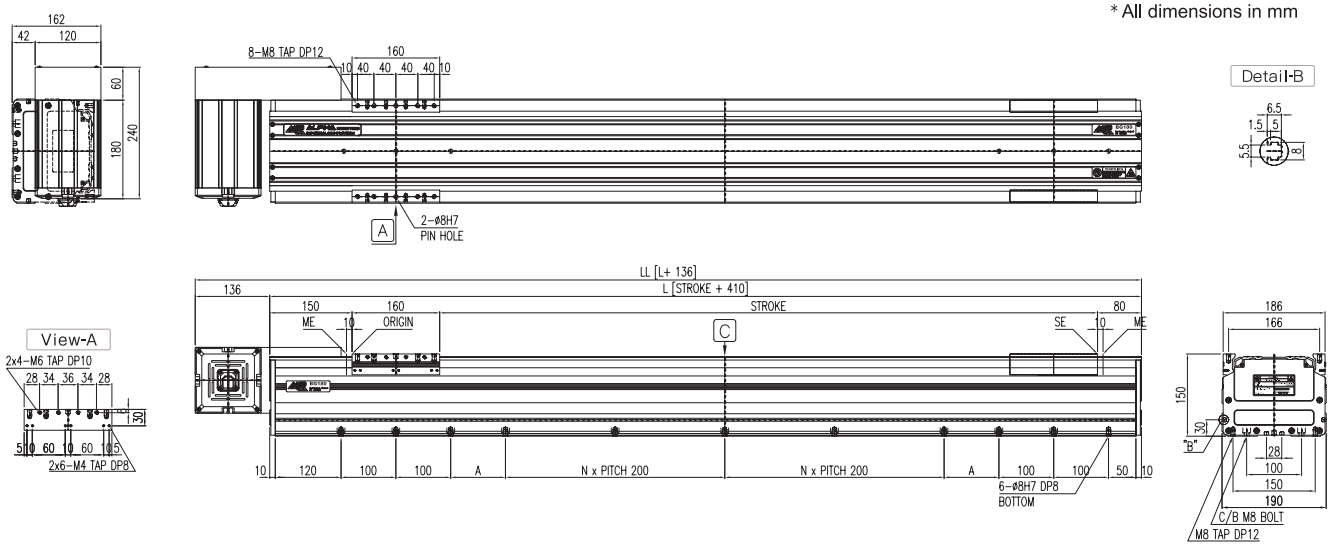
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	BG180-BR1/2-75N
BG180-BR1 / BG180-BR2			
Rated Output		W	750W, 3000 min^{-1}
Max. Speed	Note1	mm/s	1700
Max. Load	Note2	kg	40
Stroke Range		mm	200 ~ 2800
Repeatability		mm	± 0.1
Drive Type		-	Belt

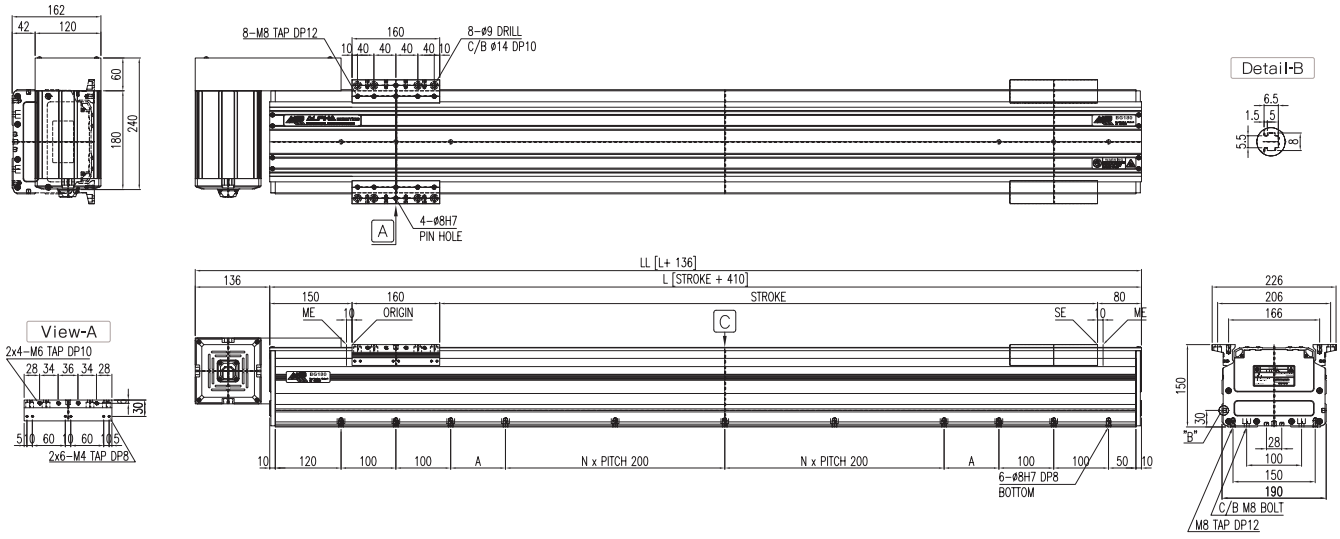
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	30	40	50	60
Allowable Overhang Distance - mm	Note3 Horizontal Use	0°	850	775	450	367
		45°	850	810	472	388
		90°	850	850	850	850
	Note4 Wall Installation Use	0°	850	740	430	354
		45°	663	468	319	264
		90°	850	830	570	465
	Note5 Vertical Use	0°	850	665	460	385
		45°	605	429	306	254
		90°	850	660	465	385
Note3	Estimated Condition	Max Speed : 1700 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

BG180-BR1

* All dimensions in mm



BG180-BR2



Weight	Model \ Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	2800	Offset(100)
	BR1/2-75N	kg	37.1	46.5	55.9	65.3	74.6	84.0	93.4	102.8	112.2	115.3	3.13

Speed	Model \ Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	2800	Offset(100)
	BR1/2-75N	mm/s	1700										

⚠ CAUTION

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NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 it is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 In case of Vertical use or Wall installation use, please consult with us.

Model	BG180-SL	BG180-SR	BG180-PL	BG180-PR	BG180-BL	BG180-BR	BG180-UL	BG180-UR

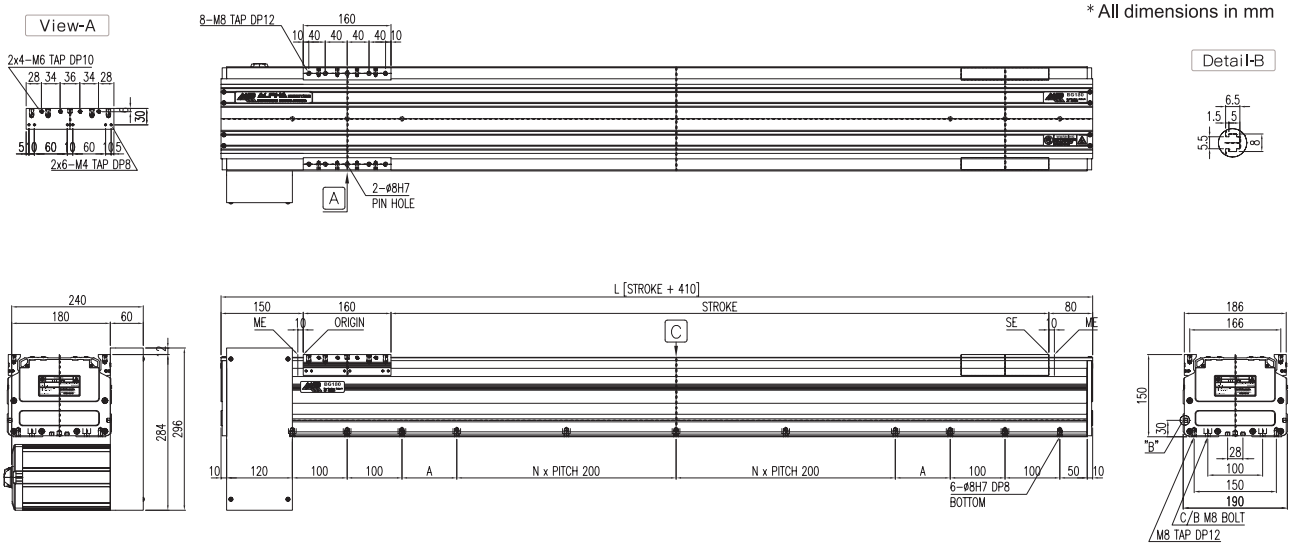
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	BG180-UL1/2-75N
BG180-UL1 		BG180-UL2 
Rated Output	W	750W, 3000 min^{-1}
Max. Speed Note1	mm/s	1700
Max. Load Note2	kg	40
Stroke Range	mm	200 ~ 2800
Repeatability	mm	± 0.1
Drive Type	-	Belt

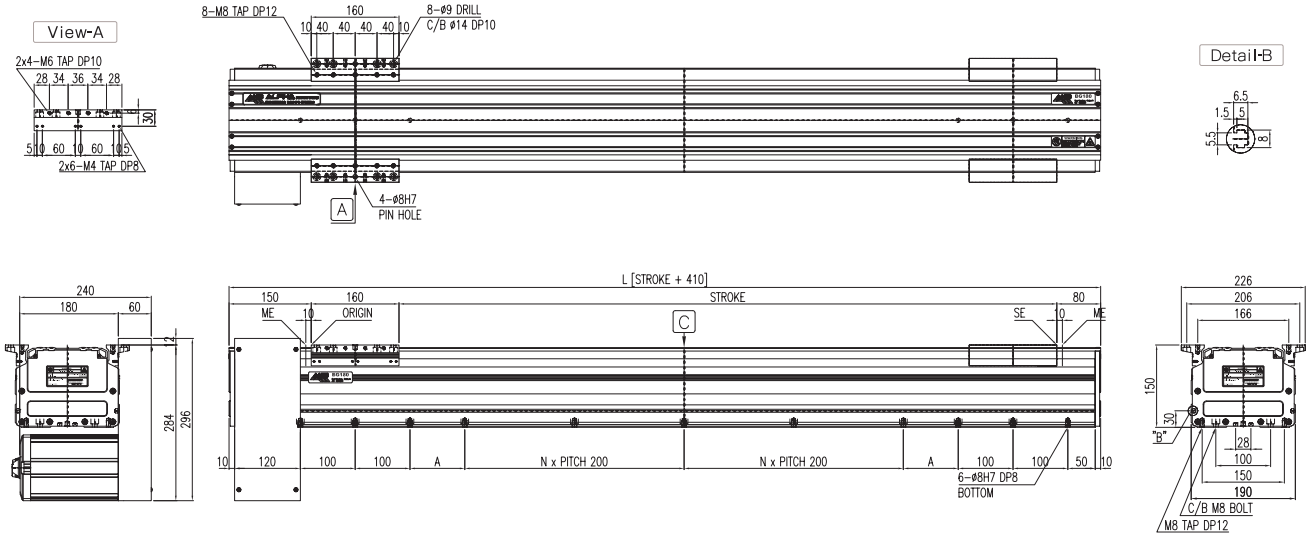
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	30	40	50	60
Allowable Overhang Distance - mm	Note3 Horizontal Use 	0°	850	775	450	367
		45°	850	810	472	388
		90°	850	850	850	850
	Note4 Wall Installation Use 	0°	850	740	430	354
		45°	663	468	319	264
		90°	850	830	570	465
	Note5 Vertical Use 	0°	850	665	460	385
		45°	605	429	306	254
		90°	850	660	465	385
Note3	Estimated Condition	Max Speed : 1700 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
		Life in traveled distance : 30000 km				

BG180-UL1

* All dimensions in mm



BG180-UL2



Weight	Model \ Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	2800	Offset(100)
	UL1/2-75N	kg	37.1	46.5	55.9	65.3	74.6	84.0	93.4	102.8	112.2	115.3	3.13

Speed	Model \ Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	2800	Offset(100)
	UL1/2-75N	mm/s	1700										

⚠ CAUTION

In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75,100, 125, 150, 175, and 200.

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 it is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 In case of Vertical use or Wall installation use, please consult with us.

Model | BG180-SL | BG180-SR | BG180-PL | BG180-PR | BG180-BL | BG180-BR | BG180-UL | **BG180-UR**

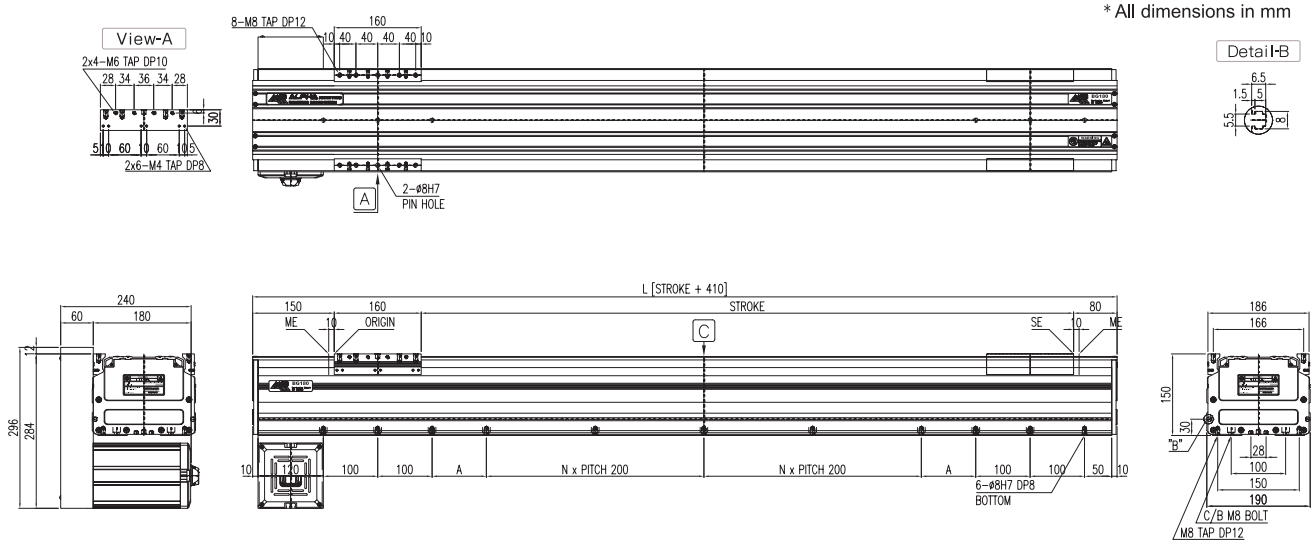
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	BG180-UR1/2-75N
BG180-UR1 		BG180-UR2 
Rated Output	W	750W, 3000 min^{-1}
Max. Speed Note1	mm/s	1700
Max. Load Note2	kg	40
Stroke Range	mm	200 ~ 2800
Repeatability	mm	± 0.1
Drive Type	-	Belt

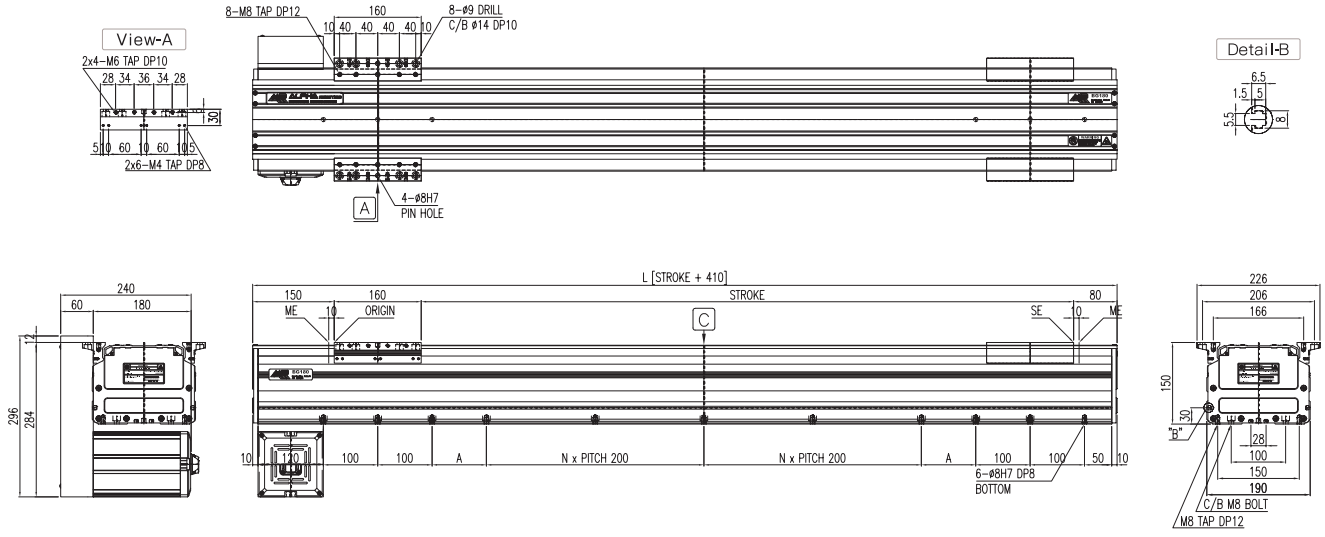
Specification	Unit	Data			
Acceleration	G	0.3			
Load	kg	30	40	50	60
Allowable Overhang Distance - mm — Note3 Horizontal Use 	0°	850	775	450	367
	45°	850	810	472	388
	90°	850	850	850	850
Note4 Wall Installation Use 	0°	850	740	430	354
	45°	663	468	319	264
	90°	850	830	570	465
Note5 Vertical Use 	0°	850	665	460	385
	45°	605	429	306	254
	90°	850	660	465	385
Note3 Estimated Condition	Max Speed : 1700 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
	Life in traveled distance : 30000 km				

BG180-UR1

* All dimensions in mm



BG180-UR2



	Model \ Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	2800	Offset(100)
Weight	BG180-P-75	kg	37.1	46.5	55.9	65.3	74.6	84.0	93.4	102.8	112.2	115.3	3.13
Speed	BG180-N	mm/s	1700										

⚠ CAUTION

In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75,100, 125, 150, 175, and 200.

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 it is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 In case of Vertical use or Wall installation use, please consult with us.

Model	BG230-SL	BG230-SR	BG230-SL	BG230-SR	BG230-PL	BG230-PR	BG230-BL	BG230-BR	BG230-UL	BG230-UR

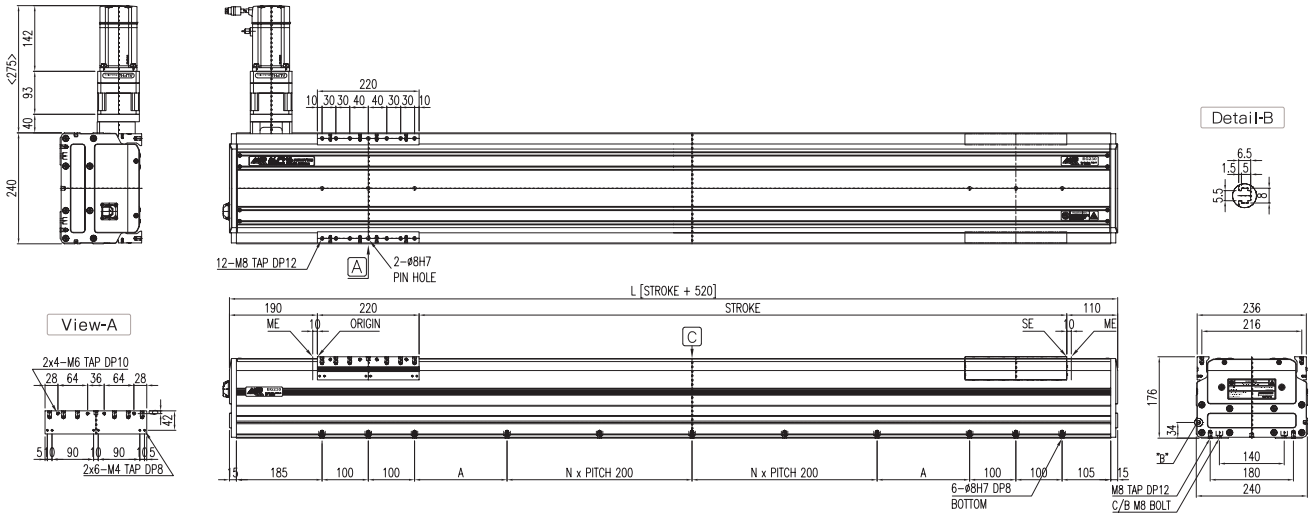
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	BG230-SL1/2-75N-R06/R08	
BG230-SL1		BG230-SL2	
Rated Output	W	750W, 3000 min^{-1}, R06	750W, 3000 min^{-1}, R08
Max. Speed Note1	mm/s	1300	1000
Max. Load Note2	kg	80	120
Stroke Range	mm	200 ~ 3200	
Repeatability	mm	± 0.1	
Drive Type	-	BELT	

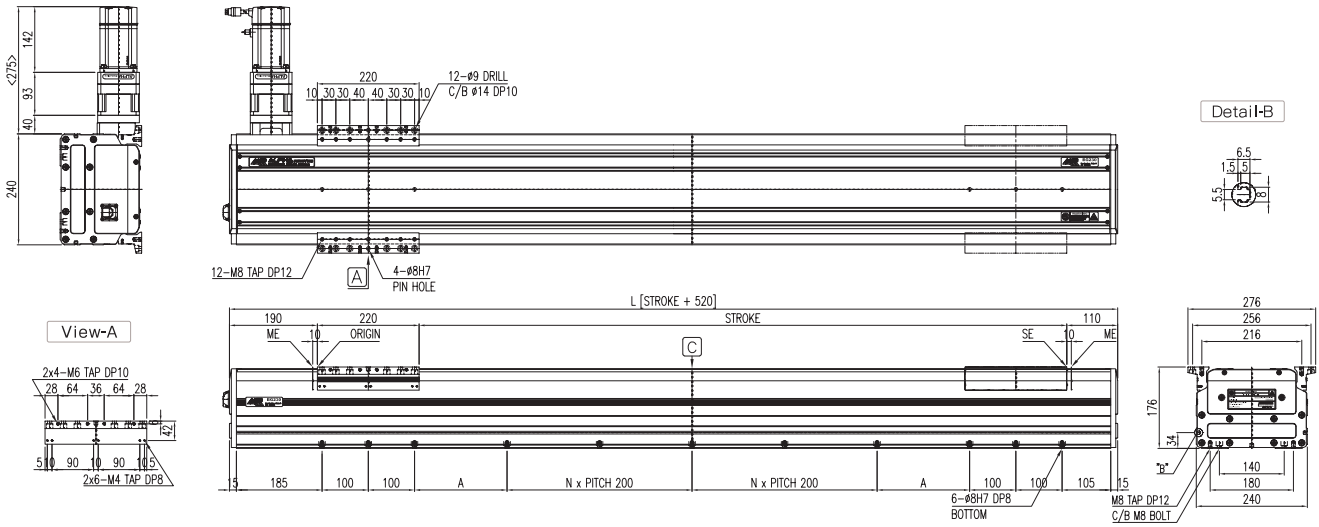
Specification	Unit	Data			
Acceleration	G	0.3			
Load	kg	60	80	100	120
Allowable Overhang Distance - mm: Note3 Horizontal Use	0°	1000	870	680	555
	45°	1000	1000	798	648
	90°	1000	1000	1000	1000
Note4 Wall Installation Use	0°	1000	790	620	505
	45°	774	566	449	364
	90°	1000	980	770	625
Note5 Vertical Use	0°	1000	860	690	570
	45°	741	559	449	371
	90°	1000	860	690	570
Note3 Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
	Life in traveled distance : 30000 km				

BG230-SL1

* All dimensions in mm



BG230-SL2



	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
Weight	SL1/2-75N-R06	kg	64.6	75.9	87.3	98.7	110.0	121.4	132.8	144.2	155.5	163.1	3.79
	SL1/2-75N-R08	kg	64.6	75.9	87.3	98.7	110.0	121.4	132.8	144.2	155.5	163.1	3.79
Speed	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
	SL1/2-75N-R06/R08	mm/s	1300										
	SL1/2-75N-R06/R08	mm/s	1000										

⚠ CAUTION

In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75,100,125, 150, 175, and 200.
Dimensions of "< >" are subject to change by specifications of motor or gearbox(reducer).

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 it is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 In case of Vertical use or Wall installation use, please consult with us.

Model | BG230-SL | BG230-SR | BG230-SL | BG230-SR | BG230-PL | BG230-PR | BG230-BL | BG230-BR | BG230-UL | BG230-UR

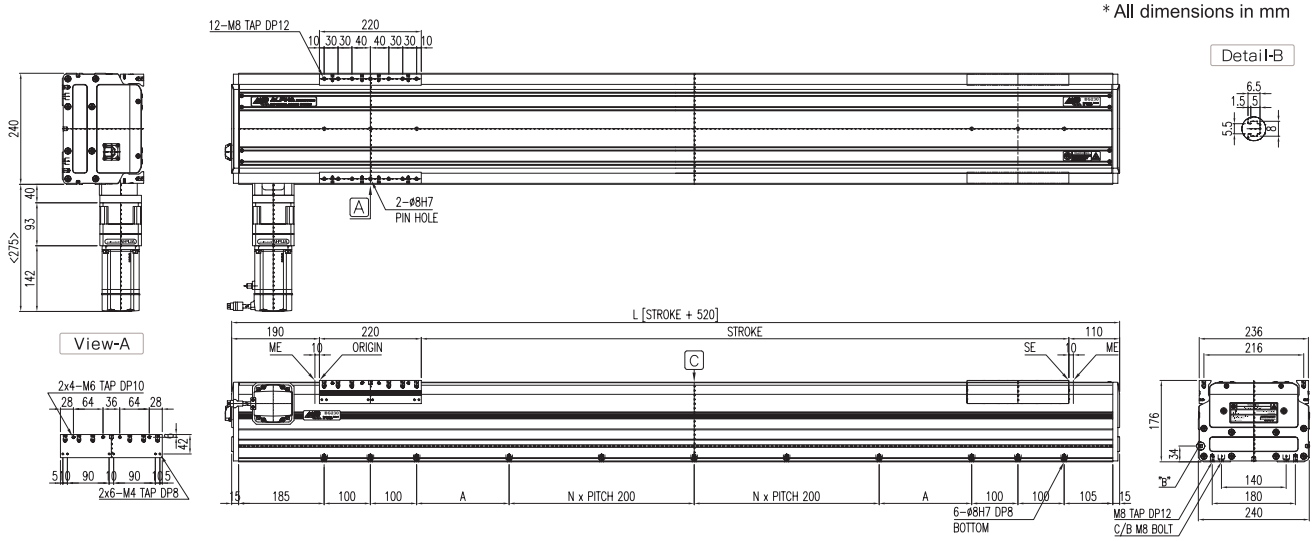
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	BG230-SR1/2-75N-R06/R08	
BG230-SR1	BG230-SR2			
Rated Output		W	750W, 3000 min^{-1}, R06	750W, 3000 min^{-1}, R08
Max. Speed	Note1	mm/s	1300	1000
Max. Load	Note2	kg	80	120
Stroke Range		mm	200 ~ 3200	
Repeatability		mm	±0.1	
Drive Type		-	BELT	

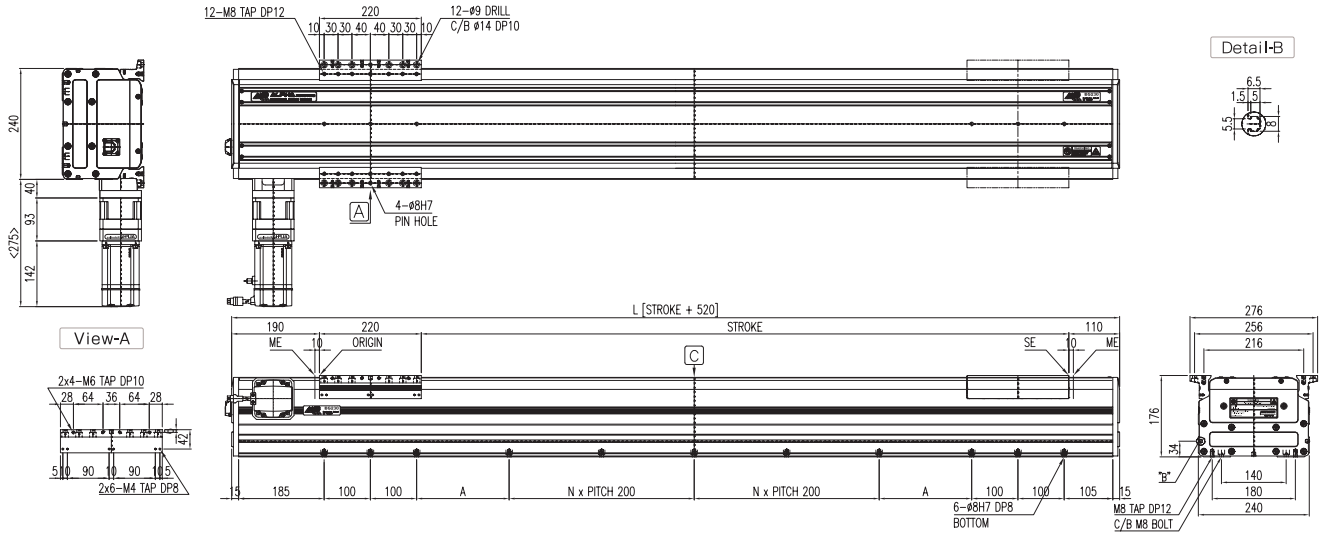
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	80	100	120
Allowable Overhang Distance - mm	Note3 Horizontal Use	0°	1000	870	680	555
		45°	1000	1000	798	648
		90°	1000	1000	1000	1000
	Note4 Wall Installation Use	0°	1000	790	620	505
		45°	774	566	449	364
		90°	1000	980	770	625
	Note5 Vertical Use	0°	1000	860	690	570
		45°	741	559	449	371
		90°	1000	860	690	570
Note3	Estimated Condition		Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

BG230-SR1

* All dimensions in mm



BG230-SR2



	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
Weight	SR1/2-75N-R06	kg	64.6	75.9	87.3	98.7	110.0	121.4	132.8	144.2	155.5	163.1	3.79
	SR1/2-75N-R08	kg	64.6	75.9	87.3	98.7	110.0	121.4	132.8	144.2	155.5	163.1	3.79
Speed	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
	SR1/2-75N-R06/R08	mm/s	1300										
	SR1/2-75N-R06/R08	mm/s	1000										

⚠ CAUTION

In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. -ME : Mechanical End -SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75,100,125, 150, 175, and 200.
Dimensions of "< >" are subject to change by specifications of motor or gearbox(reducer).

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NOTE2 it is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 In case of Vertical use or Wall installation use, please consult with us.

Model	BG230-SL	BG230-SR	BG230-SL	BG230-SR	BG230-PL	BG230-PR	BG230-BL	BG230-BR	BG230-UL	BG230-UR

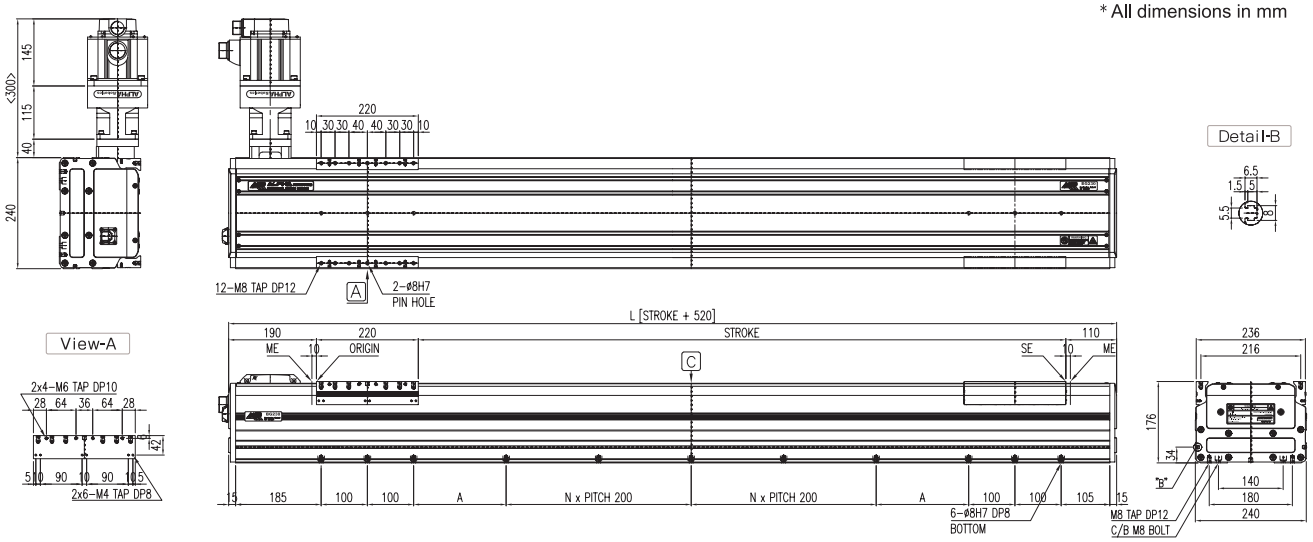
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	BG230-SL1/2-1KN-R03
BG230-SL1 / BG230-SL2		
Rated Output	W	1000W, 2000 min^{-1}, R03
Max. Speed Note1	mm/s	1750
Max. Load Note2	kg	120
Stroke Range	mm	200 ~ 3200
Repeatability	mm	± 0.1
Drive Type	-	Belt

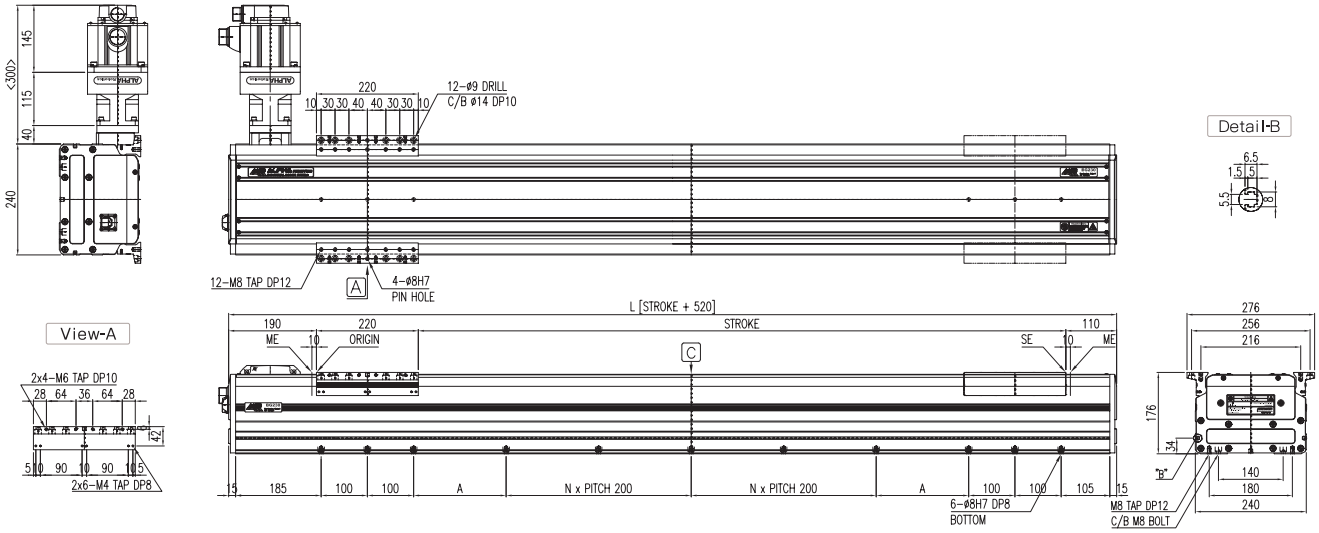
Specification	Unit	Data			
Acceleration	G	0.3			
Load	kg	60	80	100	120
Allowable Overhang Distance - mm					
Note3 Horizontal Use	0°	1000	870	680	555
	45°	1000	1000	798	648
	90°	1000	1000	1000	1000
Note4 Wall Installation Use	0°	1000	790	620	505
	45°	774	566	449	364
	90°	1000	980	770	625
Note5 Vertical Use	0°	1000	860	690	570
	45°	741	559	449	371
	90°	1000	860	690	570
Note3 Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
	Life in traveled distance : 30000 km				

BG230-SL1

* All dimensions in mm



BG230-SL2



Weight	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
	SL1/2-1KN-R03	kg	68.2	79.5	90.9	102.3	113.6	125.0	136.4	147.8	159.1	166.7	3.79

Speed	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
	SL1/2-1KN-R03	mm/s	1750										

⚠ CAUTION

In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75,100,125, 150, 175, and 200.
Dimensions of "< >" are subject to change by specifications of motor or gearbox(reducer).

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NOTE2 it is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 In case of Vertical use or Wall installation use, please consult with us.

Model	BG230-SL	BG230-SR	BG230-SL	BG230-SR	BG230-PL	BG230-PR	BG230-BL	BG230-BR	BG230-UL	BG230-UR

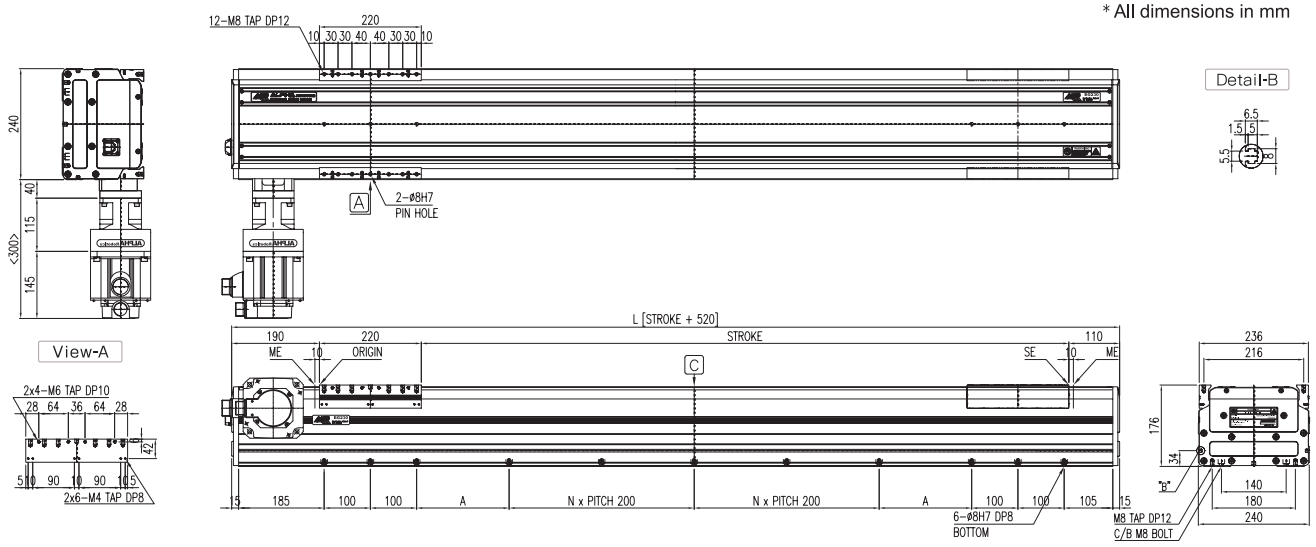
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	BG230-SR1/2-1KN-R03
BG230-SR1 			BG230-SR2 
Rated Output		W	1000W, 2000 min^{-1}, R03
Max. Speed	Note1	mm/s	1750
Max. Load	Note2	kg	120
Stroke Range		mm	200 ~ 3200
Repeatability		mm	± 0.1
Drive Type		-	Belt

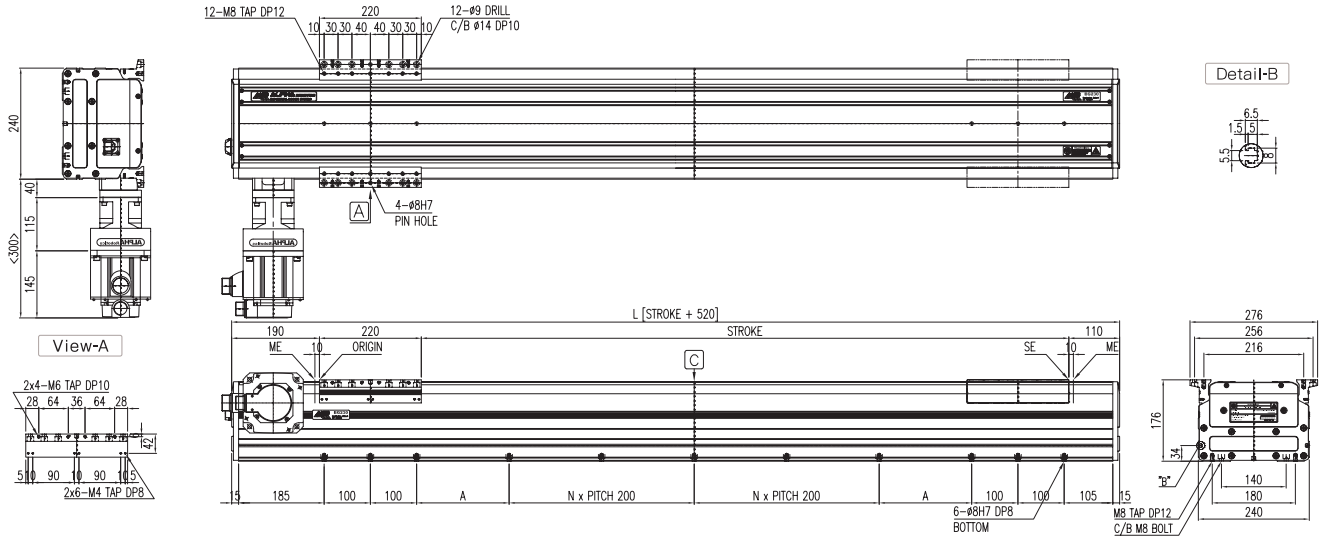
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	80	100	120
Allowable Overhang Distance - mm	Note3 Horizontal Use 	0°	1000	870	680	555
		45°	1000	1000	798	648
		90°	1000	1000	1000	1000
	Note4 Wall Installation Use 	0°	1000	790	620	505
		45°	774	566	449	364
		90°	1000	980	770	625
	Note5 Vertical Use 	0°	1000	860	690	570
		45°	741	559	449	371
		90°	1000	860	690	570
Note3	Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
		Life in traveled distance : 30000 km				

BG230-SR1

* All dimensions in mm



BG230-SR2



Weight	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
	SR1/2-1KN-R03	kg	68.2	79.5	90.9	102.3	113.6	125.0	136.4	147.8	159.1	166.7	3.79

Speed	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
	SR1/2-1KN-R03	mm/s	1750										

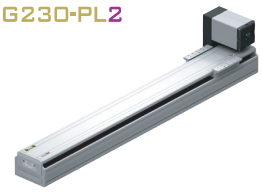
⚠ CAUTION

In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. ·ME : Mechanical End ·SE : Stroke End
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Model	BG230-SL	BG230-SR	BG230-SL	BG230-SR	BG230-PL	BG230-PR	BG230-BL	BG230-BR	BG230-UL	BG230-UR

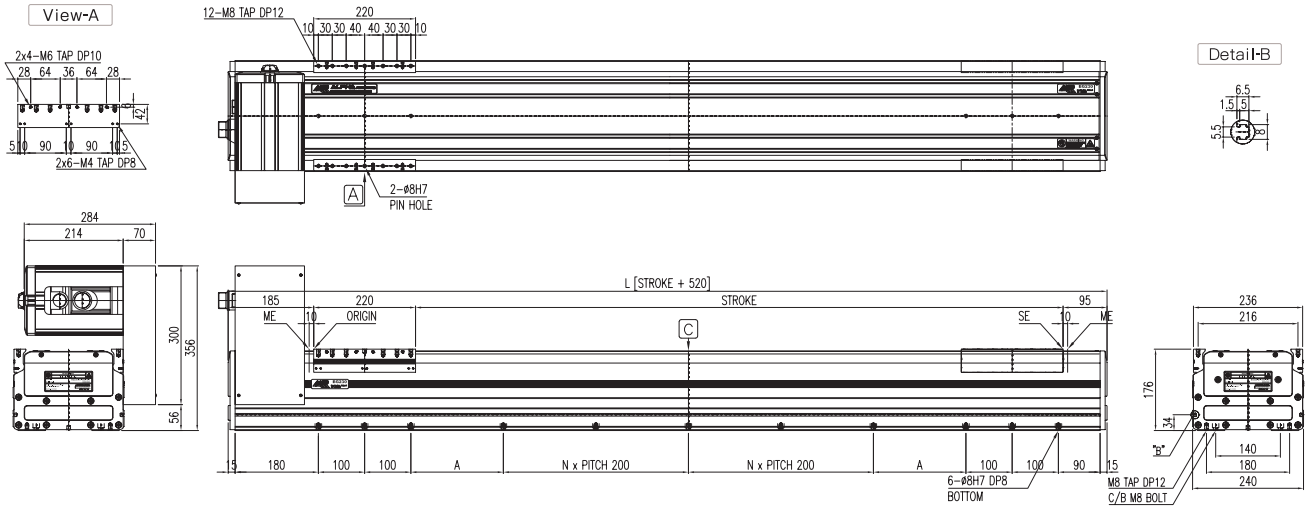
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	BG230-PL1/2-1KN
BG230-PL1 		BG230-PL2 
Rated Output	W	1000W, 2000 min^{-1}
Max. Speed Note1	mm/s	2000
Max. Load Note2	kg	120
Stroke Range	mm	200 ~ 3200
Repeatability	mm	±0.1
Drive Type	-	Belt

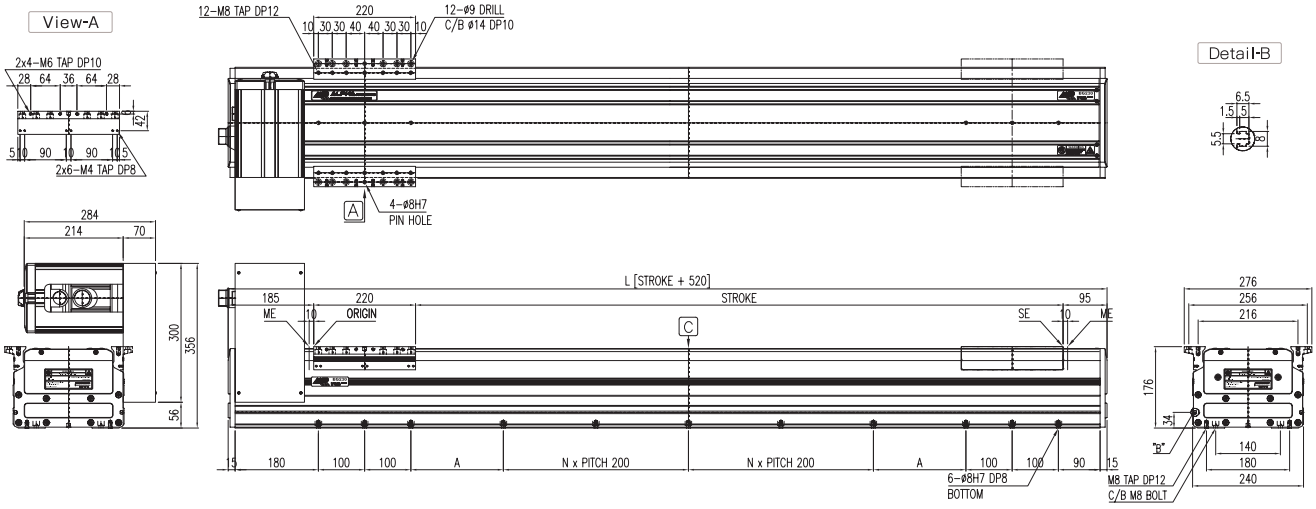
Specification	Unit	Data			
Acceleration	G	0.3			
Load	kg	60	80	100	120
Allowable Overhang Distance - mm — Note3 Horizontal Use 	0°	1000	870	680	555
	45°	1000	1000	798	648
	90°	1000	1000	1000	1000
Note4 Wall Installation Use 	0°	1000	790	620	505
	45°	774	566	449	364
	90°	1000	980	770	625
Note5 Vertical Use 	0°	1000	860	690	570
	45°	741	559	449	371
	90°	1000	860	690	570
Note3 Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
	Life in traveled distance : 30000 km				

BG230-PL1

* All dimensions in mm



BG230-PL2



Weight	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
	PL1/2-1KN	kg	72.7	84.1	95.5	106.8	118.2	129.6	141.0	152.3	163.7	171.3	3.79

Speed	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
	PL1/2-1KN	mm/s	2000										

⚠ CAUTION

In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. ·ME : Mechanical End ·SE : Stroke End
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NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 In case of Vertical use or Wall installation use, please consult with us.

Model | BG230-SL | BG230-SR | BG230-SL | BG230-SR | BG230-PL | **BG230-PR** | BG230-BL | BG230-BR | BG230-UL | BG230-UR

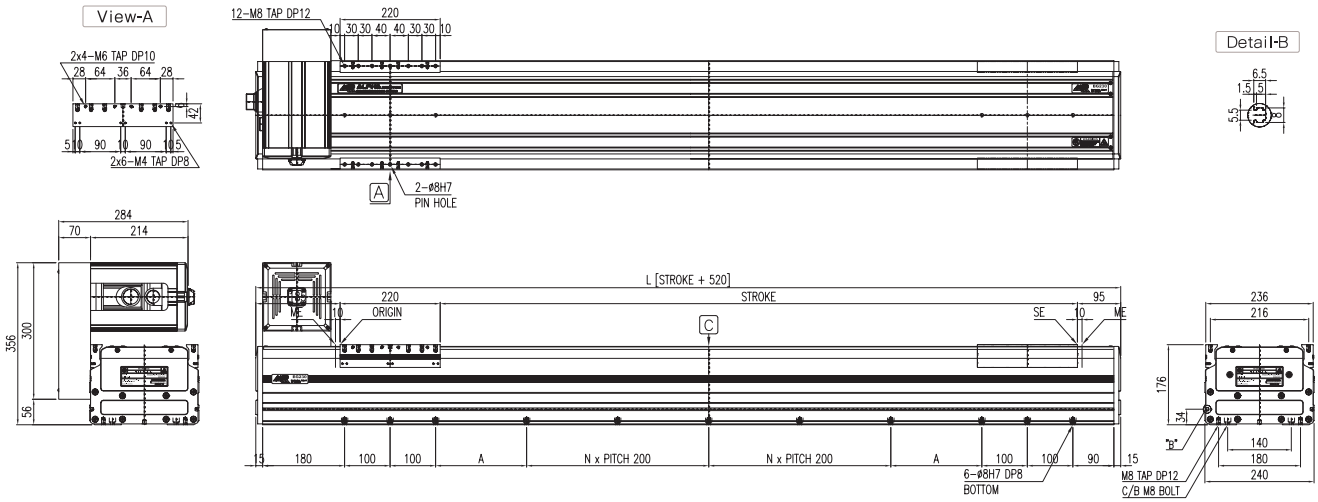
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	BG230-PR1/2-1KN
BG230-PR1 / BG230-PR2			 
Rated Output		W	1000W, 2000 min^{-1}
Max. Speed	Note1	mm/s	2000
Max. Load	Note2	kg	120
Stroke Range		mm	200 ~ 3200
Repeatability		mm	±0.1
Drive Type		-	Belt

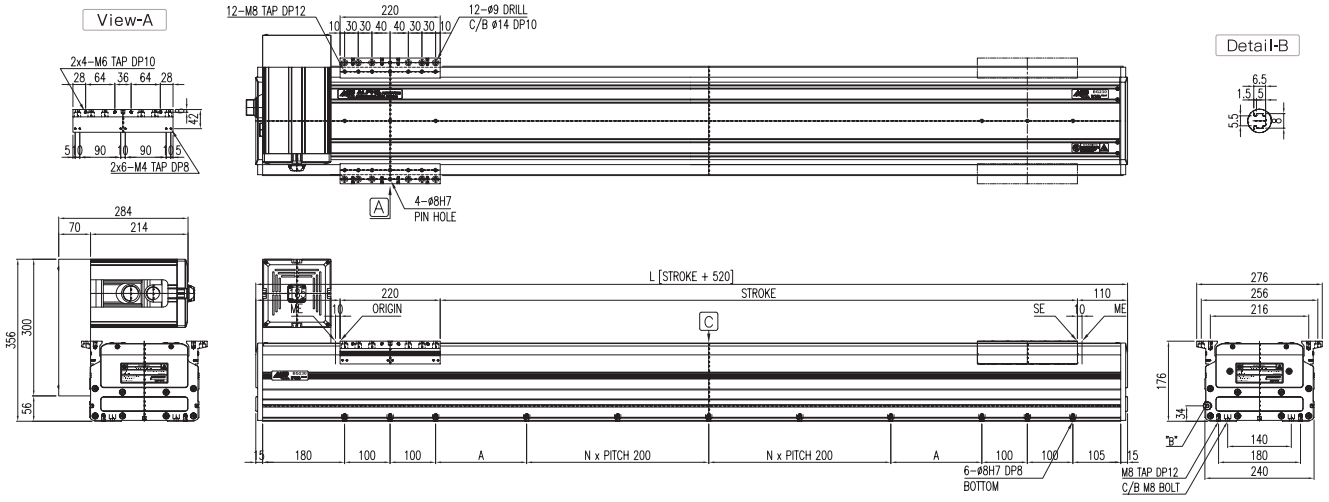
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	80	100	120
Allowable Overhang Distance - mm	Note3 Horizontal Use	0°	1000	870	680	555
		45°	1000	1000	798	648
		90°	1000	1000	1000	1000
	Note4 Wall Installation Use	0°	1000	790	620	505
		45°	774	566	449	364
		90°	1000	980	770	625
	Note5 Vertical Use	0°	1000	860	690	570
		45°	741	559	449	371
		90°	1000	860	690	570
Note3	Estimated Condition		Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

BG230-PR1

* All dimensions in mm



BG230-PR2



Weight

Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
PR1/2-1KN	kg	72.7	84.1	95.5	106.8	118.2	129.6	141.0	152.3	163.7	171.3	3.79

Speed

Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
PR1/2-1KN	mm/s	2000										

⚠ CAUTION

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Model	BG230-SL	BG230-SR	BG230-SL	BG230-SR	BG230-PL	BG230-PR	BG230-BL	BG230-BR	BG230-UL	BG230-UR

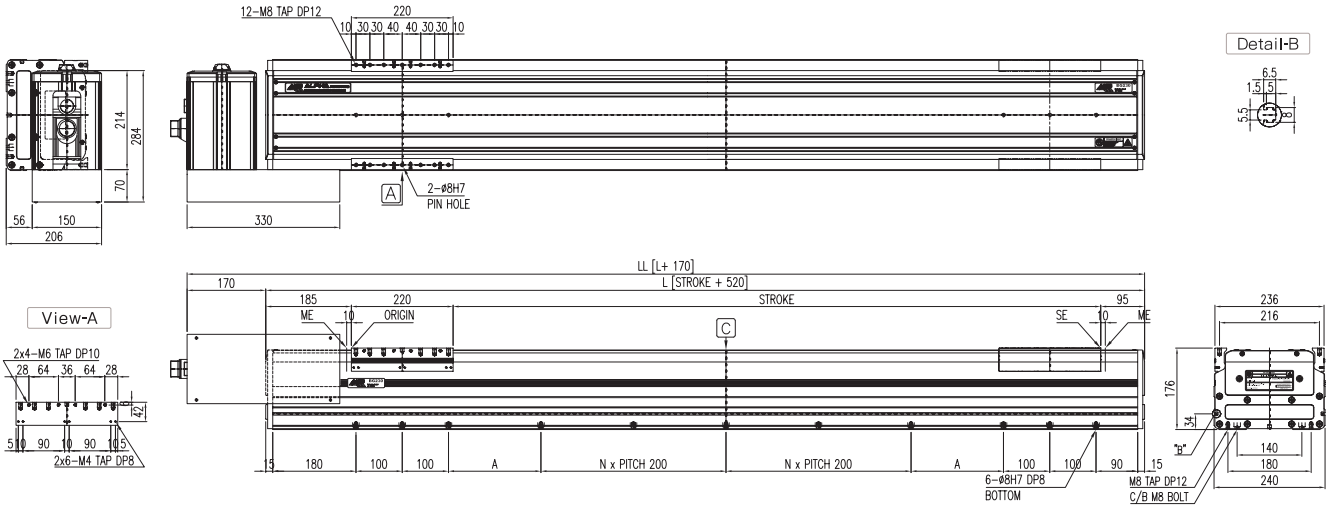
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	BG230-BL1/2-1KN
BG230-BL1		BG230-BL2
Rated Output	W	1000W, 2000 min^{-1}
Max. Speed Note1	mm/s	2000
Max. Load Note2	kg	120
Stroke Range	mm	200 ~ 3200
Repeatability	mm	±0.1
Drive Type	-	Belt

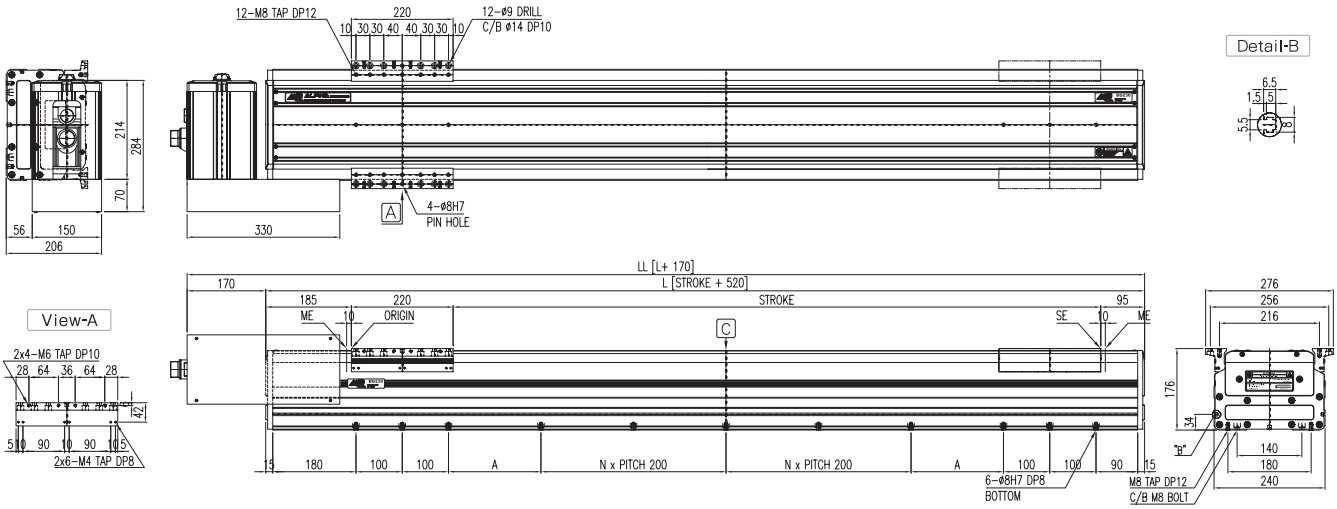
Specification	Unit	Data			
Acceleration	G	0.3			
Load	kg	60	80	100	120
Allowable Overhang Distance - mm					
Note3 Horizontal Use	0°	1000	870	680	555
	45°	1000	1000	798	648
	90°	1000	1000	1000	1000
Note4 Wall Installation Use	0°	1000	790	620	505
	45°	774	566	449	364
	90°	1000	980	770	625
Note5 Vertical Use	0°	1000	860	690	570
	45°	741	559	449	371
	90°	1000	860	690	570
Note3 Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
	Life in traveled distance : 30000 km				

BG230-BL1

* All dimensions in mm



BG230-BL2



Weight	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
	BL1/2-1KN	kg	72.7	84.1	95.5	106.8	118.2	129.6	141.0	152.3	163.7	171.3	3.79

Speed	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
	BL1/2-1KN	mm/s	2000										

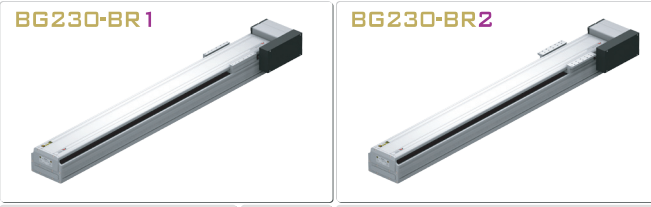
⚠ CAUTION

In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75,100, 125, 150, 175, and 200.

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NOTE4 In case of Vertical use or Wall installation use, please consult with us.

Model | BG230-SL | BG230-SR | BG230-SL | BG230-SR | BG230-PL | BG230-PR | BG230-BL | **BG230-BR** | BG230-UL | BG230-UR

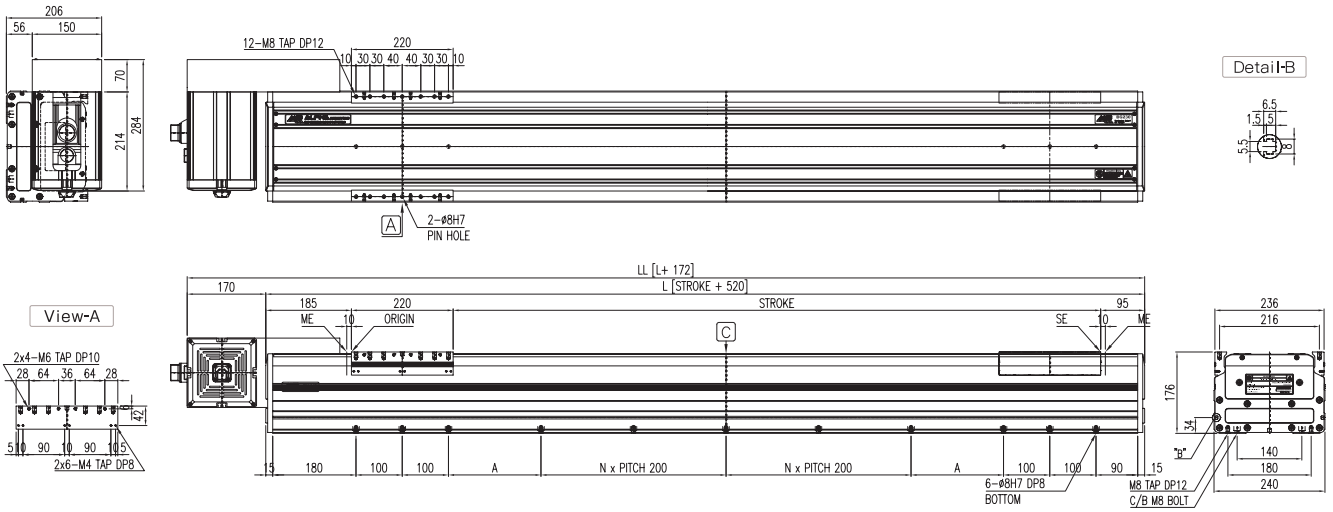
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	BG230-BR1/2-1KN
BG230-BR1 / BG230-BR2		
Rated Output	W	1000W, 2000 min^{-1}
Max. Speed Note1	mm/s	2000
Max. Load Note2	kg	120
Stroke Range	mm	200 ~ 3200
Repeatability	mm	± 0.1
Drive Type	-	Belt

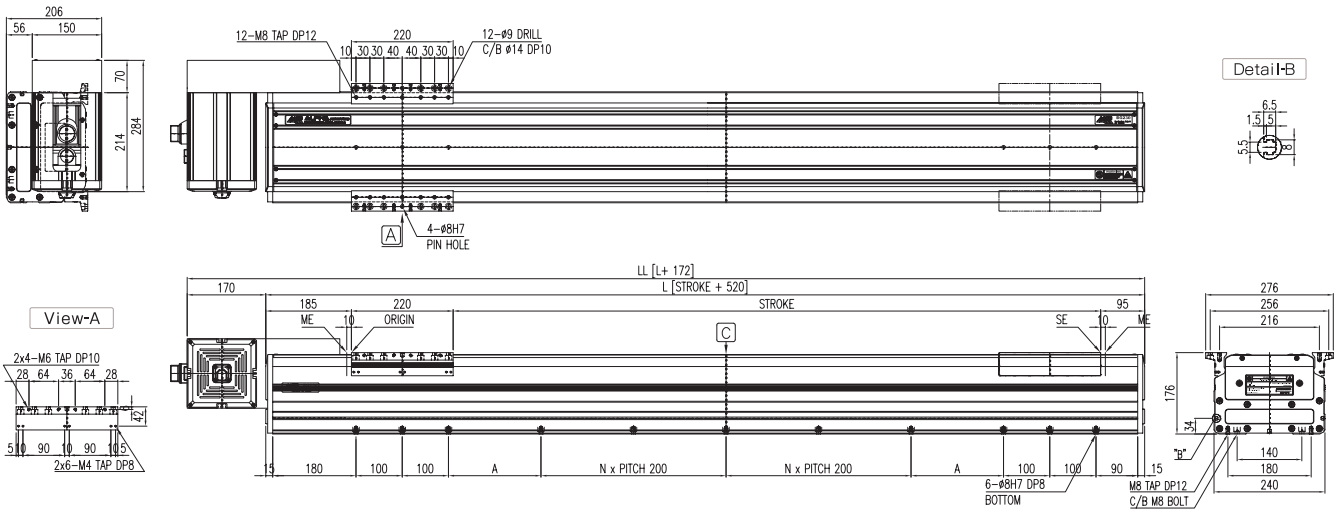
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	80	100	120
Allowable Overhang Distance - mm	Note3 Horizontal Use	0°	1000	870	680	555
		45°	1000	1000	798	648
		90°	1000	1000	1000	1000
	Note4 Wall Installation Use	0°	1000	790	620	505
		45°	774	566	449	364
		90°	1000	980	770	625
	Note5 Vertical Use	0°	1000	860	690	570
		45°	741	559	449	371
		90°	1000	860	690	570
Note3	Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
		Life in traveled distance : 30000 km				

BG230-BR1

* All dimensions in mm



BG230-BR2



	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
Weight	BR1/2-1KN	kg	72.7	84.1	95.5	106.8	118.2	129.6	141.0	152.3	163.7	171.3	3.79
Speed	BR1/2-1KN	mm/s	2000										

⚠ CAUTION

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NOTE2 it is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 In case of Vertical use or Wall installation use, please consult with us.

Model	BG230-SL	BG230-SR	BG230-SL	BG230-SR	BG230-PL	BG230-PR	BG230-BL	BG230-BR	BG230-UL	BG230-UR

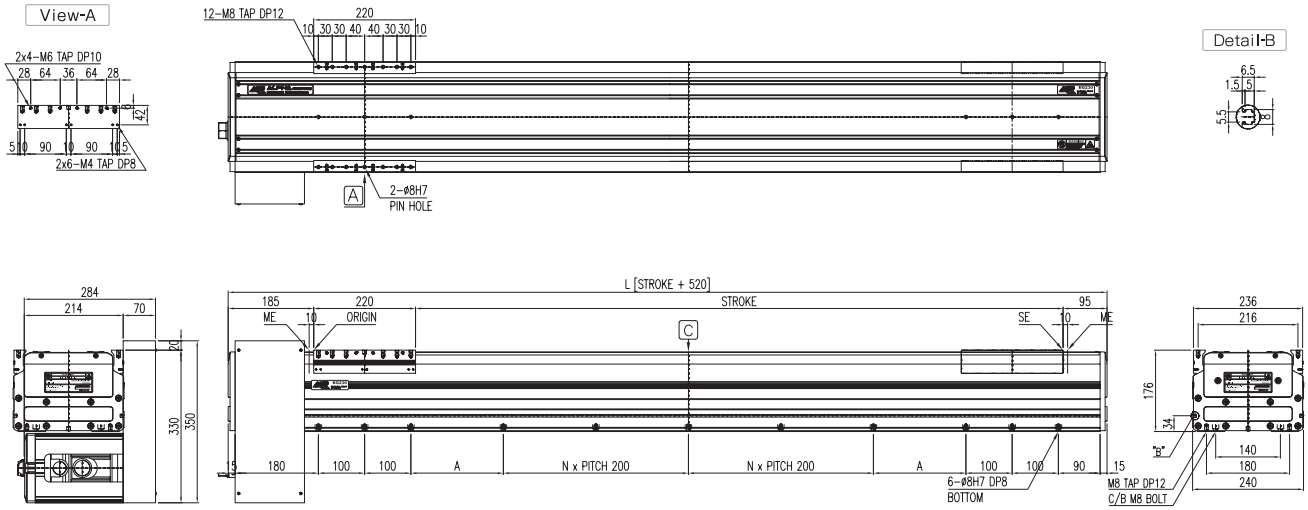
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	BG230-UL1/2-1KN
BG230-UL1 		BG230-UL2 
Rated Output	W	1000W, 2000 min^{-1}
Max. Speed Note1	mm/s	2000
Max. Load Note2	kg	120
Stroke Range	mm	200 ~ 3200
Repeatability	mm	±0.1
Drive Type	-	Belt

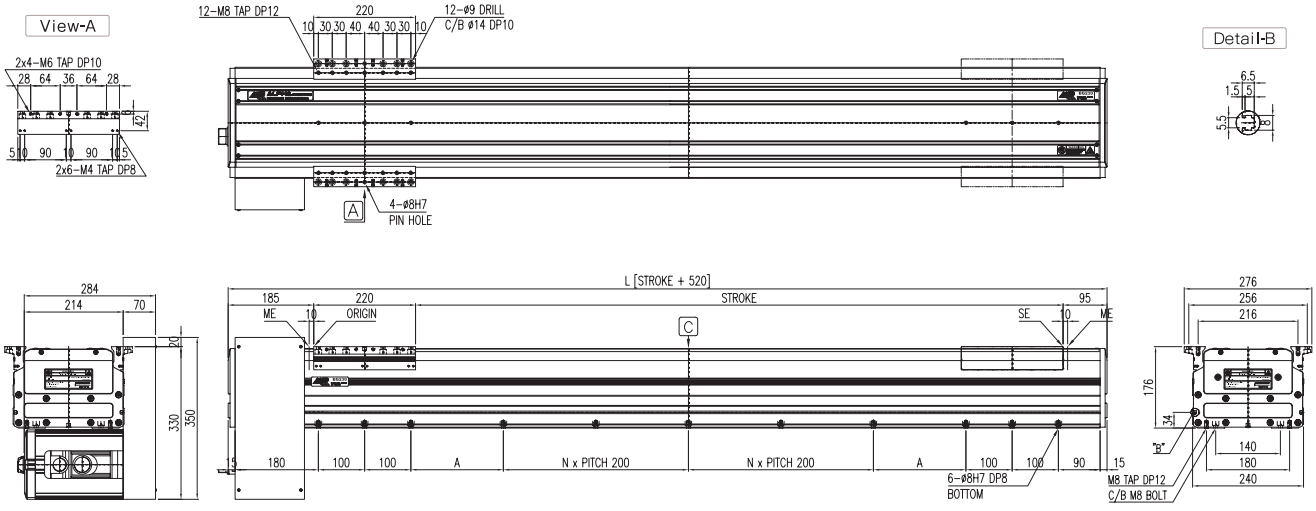
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	80	100	120
Allowable Overhang Distance - mm	Note3 Horizontal Use 	0°	1000	870	680	555
		45°	1000	1000	798	648
		90°	1000	1000	1000	1000
	Note4 Wall Installation Use 	0°	1000	790	620	505
		45°	774	566	449	364
		90°	1000	980	770	625
	Note5 Vertical Use 	0°	1000	860	690	570
		45°	741	559	449	371
		90°	1000	860	690	570
Note3	Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
		Life in traveled distance : 30000 km				

BG230-UL1

* All dimensions in mm



BG230-UL2



	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
Weight	BG230-P-1K	kg	72.7	84.1	95.5	106.8	118.2	129.6	141.0	152.3	163.7	171.3	3.79
Speed	BG230-N	mm/s	2000										

⚠ CAUTION

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Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75,100, 125, 150, 175, and 200.

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NOTE4 In case of Vertical use or Wall installation use, please consult with us.

Model	BG230-SL	BG230-SR	BG230-SL	BG230-SR	BG230-PL	BG230-PR	BG230-BL	BG230-BR	BG230-UL	BG230-UR

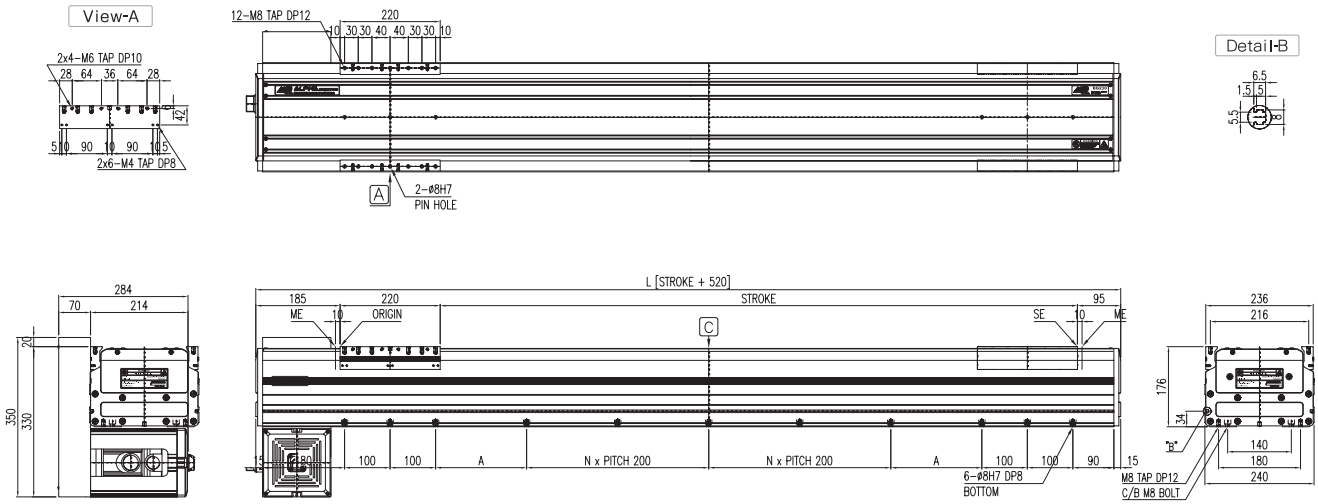
H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	BG230-UR1/2-1KN
BG230-UR1 		BG230-UR2 
Rated Output	W	1000W, 2000 min^{-1}
Max. Speed Note1	mm/s	2000
Max. Load Note2	kg	120
Stroke Range	mm	200 ~ 3200
Repeatability	mm	± 0.1
Drive Type	-	Belt

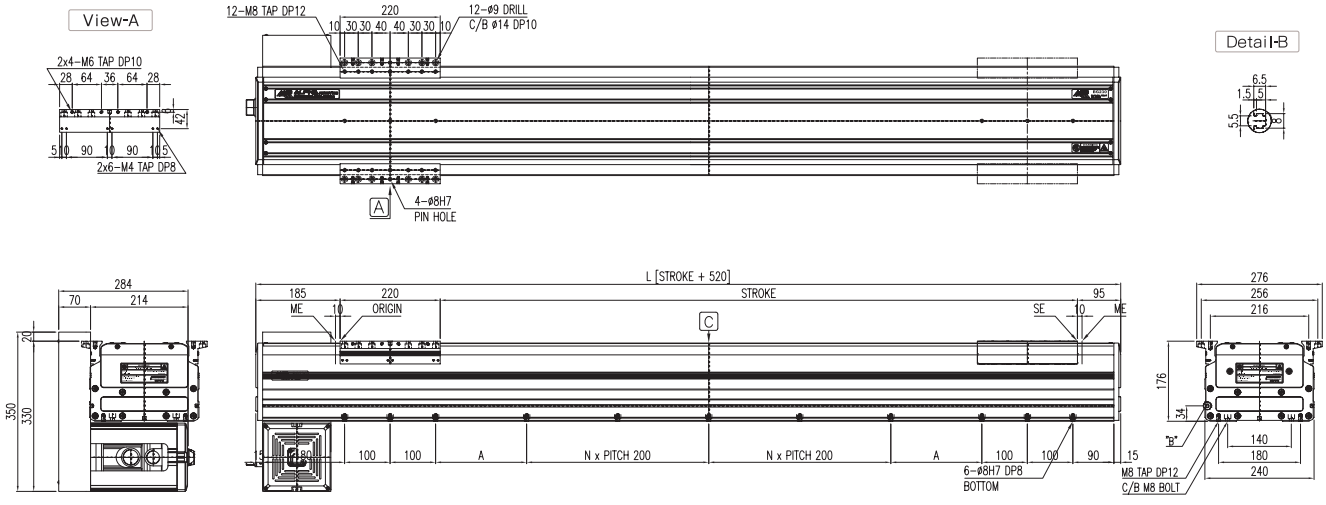
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	80	100	120
Allowable Overhang Distance - mm	Note3 Horizontal Use 	0°	1000	870	680	555
		45°	1000	1000	798	648
		90°	1000	1000	1000	1000
	Note4 Wall Installation Use 	0°	1000	790	620	505
		45°	774	566	449	364
		90°	1000	980	770	625
	Note5 Vertical Use 	0°	1000	860	690	570
		45°	741	559	449	371
		90°	1000	860	690	570
Note3	Estimated Condition	Max Speed : 2000 mm/s			Acceleration : 0.3 G (2.94 m/s^2)	
		Life in traveled distance : 30000 km				

BG230-UR1

* All dimensions in mm



BG230-UR2



Weight	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
	UR1/2-1KN	kg	72.7	84.1	95.5	106.8	118.2	129.6	141.0	152.3	163.7	171.3	3.79

Speed	Model \ Stroke	Units	600	900	1200	1500	1800	2100	2400	2700	3000	3200	Offset(100)
	UR1/2-1KN	mm/s	2000										

⚠ CAUTION

In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75,100, 125, 150, 175, and 200.

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 it is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 In case of Vertical use or Wall installation use, please consult with us.