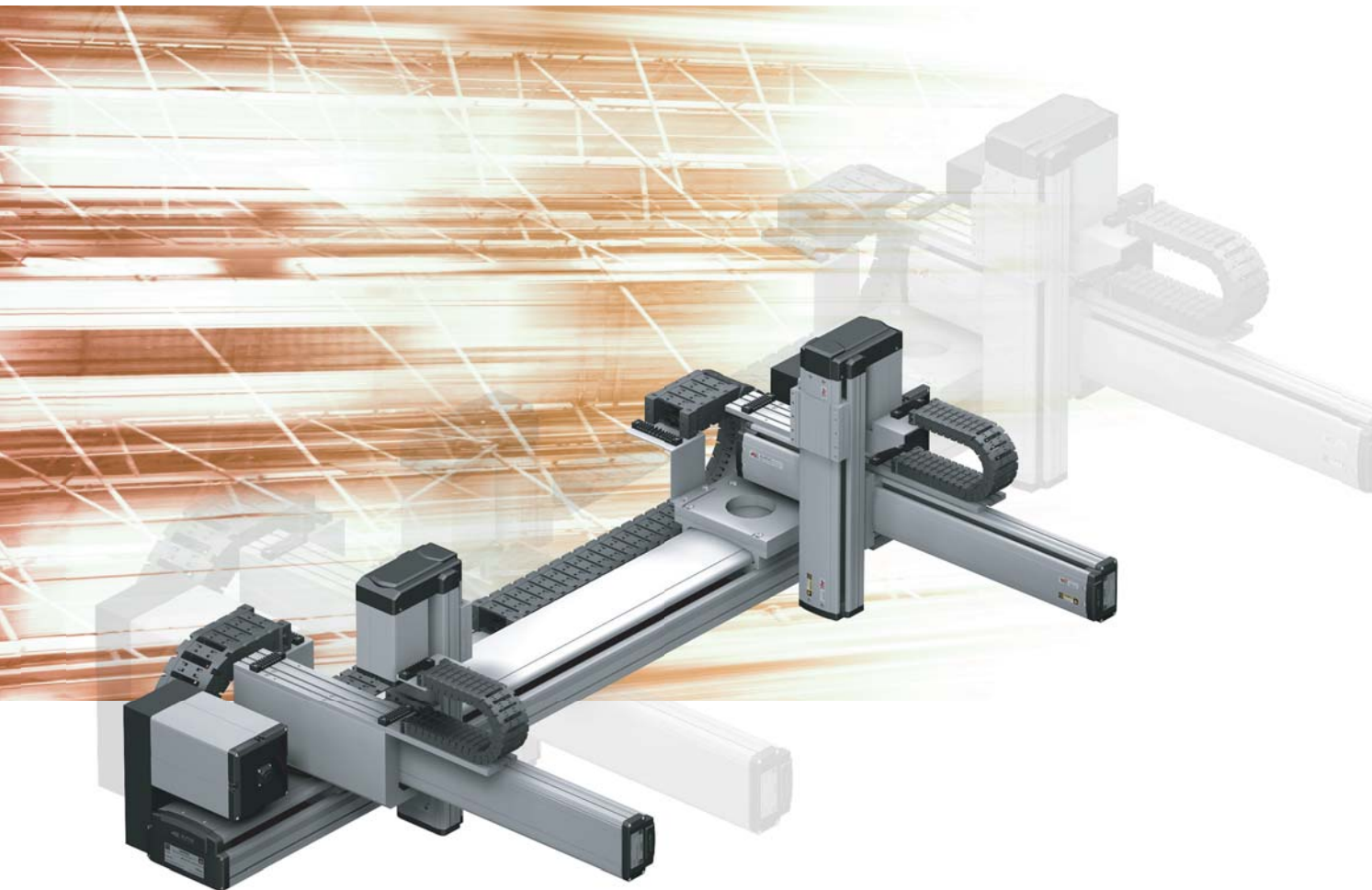


Alpha Dual Robot

DBR
Belt Series





Characteristics

- Multi-slider tables installed on a single actuator capable of operating independently
한 개의 Base에 각각의 구동이 가능한 Slide Table을 장착하여 개별 작업이 가능
- Space saved and cost reduced
로봇 장착이 협소한 공간에서 개별 작업을 요할 때 사용
- High speed possible in long stroke
Long Stroke에 고속도 대응 가능
- Positioning repeatability $\pm 0.1\text{mm}$
반복위치 정밀도가 $\pm 0.1\text{mm}$
- 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
- Wide range configuration and application available
다양한 조합이 가능하도록 설계되어 적용시 유용성 실현

SPEC

ARM
SERIES

AR
SERIES

AG
SERIES

AD
SERIES

BR
SERIES

BG
SERIES

DAR
SERIES

DBR
SERIES

RS
SERIES

MR
SERIES

ADR
SERIES

Technology
Material

ORDER INFORMATION
A DBR SERIES

DBR200	-	2SR	1	-	1000	-	75	N	-	R03
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 SPEED
(mm/s)

8 REDUCER

B Options

I	-	H	LF	A	45	-	W	-	N	-	FOO
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

DBR
SERIES

ALPHA
Belt
Robot


DBR200

DBR300

* 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

P


Parallel Left Type

U


Under Left Type

B


Back Left Type

1

Standard Normal Type


2

Standard Plane Type



STROKE(mm)

500

1000

1500

2000

2500

3000

3500

DBR200
DBR300

75

750W

1K

1000W

N

Without Brake

B

With Brake

L

Low Speed Type
250 mm/s

N

Normal Speed Type
500 mm/s

H

High Speed Type
1000 mm/s

R03

1/3

* 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

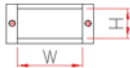
Right - Front

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

28×80

5 The radius of curvature (mm)

75

R70 ~ R75

* Please see the catalogue A75.3 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

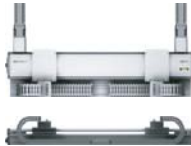
10m

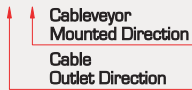
* Please do not hesitate to contact us when the cable is applied more than 10m.

B ORDER INFORMATION - OPTIONS

2 3 4 5 Cableveyor Selecting Options

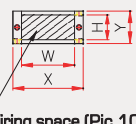
Series	Applicable Type			
	Horizontal	Wall Hanging	Rear	Double
DBR	●			

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				

Cableveyor Directions			
L F	Cableveyor Mounted Direction		Cable Outlet Direction
	L Left	R Right	F Front R Rear
			

4 5 * Cableveyor Selecting

Unit : mm

 Wiring space (Pic 10-1)	STANDARD						CLEANROOM					
	Selecting Item	Internal dimensions	External dimensions	Radius	Capacity (mm ²)	NOTE2 Origin	Selecting Item	Internal dimensions	External dimensions	Radius	Capacity (mm ²)	NOTE2 Origin
		H	W	Y	X	R		H	W	Y	X	R
	A	24	47	31	59.5	45	1128	F	40	59.5	45	1160
	B		35		79.5	55	980	G	60	79.5	55	1740
	C	28	55	35	99.5	75	1540	H	80	99.5	75	2320
	D		75		119.5	95	2100	I	100	119.5	95	2900
	E		100		139.5	100	2800				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.

주의

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

[NOTE1] In case that cableveyor is not affixed, it does not need to mark cableveyor specification and instead, just mark 'N'(none).

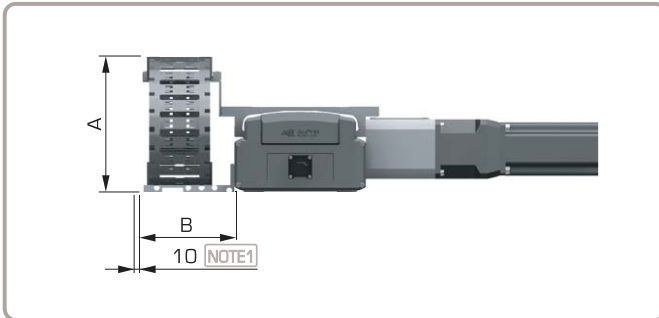
[NOTE2] Please select the floor area ratio by user's using environment, using condition at below 60%

[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 Horizontal Type



BASE SIZE	CABLEVEYOR		S1		S2	
	Bending radius R	Internal dimentions	A	B	A	B
DBR200	R075	55, 60	208	98	174	118
		75, 80	208	118	174	138
DBR300	R075	55, 60	208	98	174	118
		75, 80	208	118	174	138



3 ^{NOTE2} Cableveyor Directions

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

^{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

[illegible]



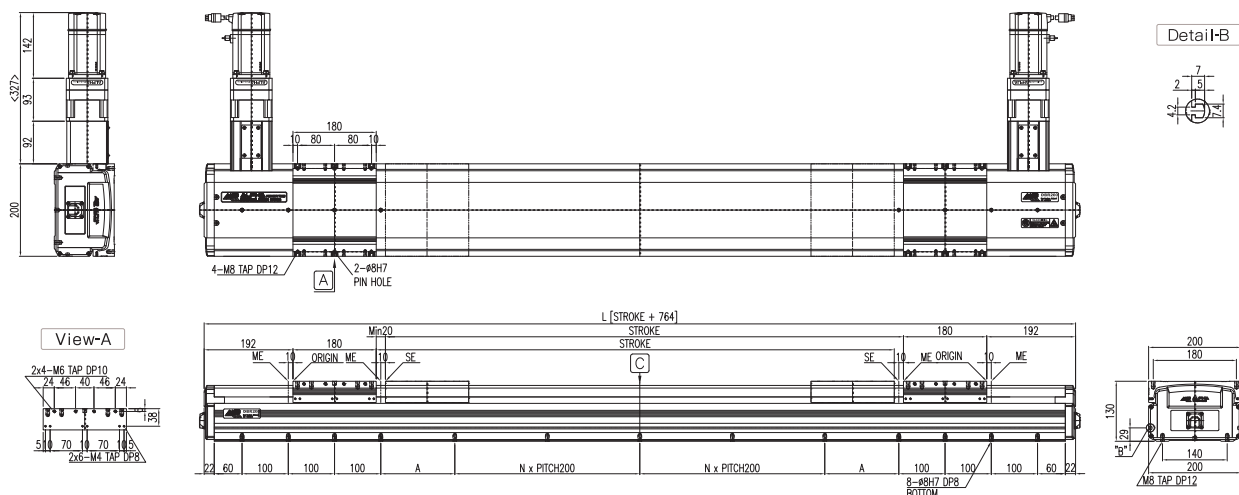
[illegible]

DBR200 SERIES

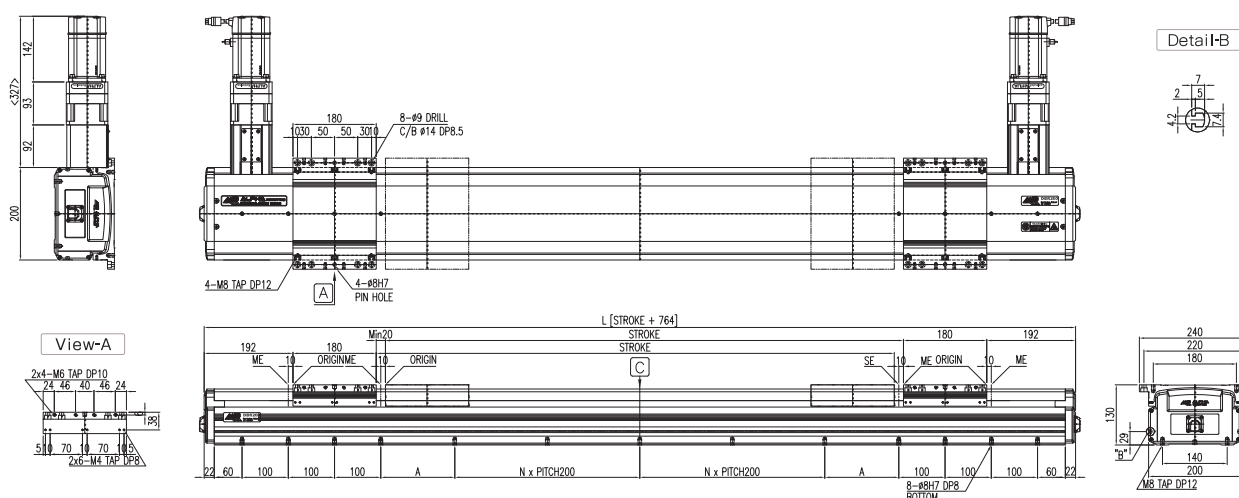
Model	DBR200-SL	DBR200-SR	DBR200-PL	DBR200-PR	DBR200-BL	DBR200-BR	DBR200-UL	DBR200-UR
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Specification	Unit	DBR200-2SL1/2-75N-R05	Specification	Unit	Data					
DBR200-2SL1			DBR200-2SL2			0.3				
Rated Output	W	750W, 3000 min ⁻¹ , R05	Acceleration	G						
Max. Speed	mm/s	1600	Load	kg	20	30	40	50		
Max. Load	kg	50	Note3 Horizontal Use		0°	800	800	570	460	
Stroke Range	mm	200 ~ 2400			45°	800	800	678	528	
Repeatability	mm	± 0.1			90°	800	800	800	800	
Drive Type	-	BELT		Note4 Wall Installation Use		0°	800	770	565	442
						45°	800	540	397	312
						90°	800	800	665	520
				Note5 Vertical Use		0°	800	800	620	500
						45°	800	540	403	325
						90°	800	800	620	500
			Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s ²)				
				Life in traveled distance : 30000 km						

DBR200-2SL1



DBR200-2SL2



Weight	Model	Stroke	Units	800	1000	1200	1400	1600	1800	2000	2200	2400		Offset100	⚠ 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 50, 100, 150, and 200. Dimensions of "<" >" are subject to change by specifications of motor or gearbox(reducer).
	2SL1/2-75N-R05		kg	69.9	74.9	79.9	84.8	89.8	94.7	99.7	104.7	109.6		2.48	
Speed	Model	Stroke	Units	800	1000	1200	1400	1600	1800	2000	2200	2400		Offset100	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.
	2SL1/2-75N-R05		mm/s					1600							

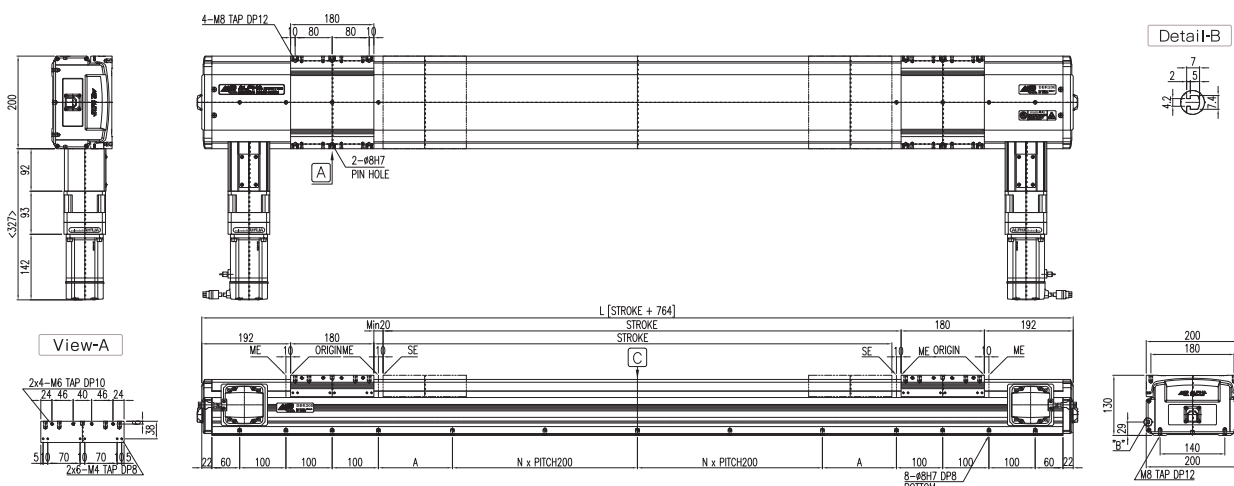
DBR200 SERIES

Model	DBR200-SL	DBR200-SR	DBR200-PL	DBR200-PR	DBR200-BL	DBR200-BR	DBR200-UL	DBR200-UR
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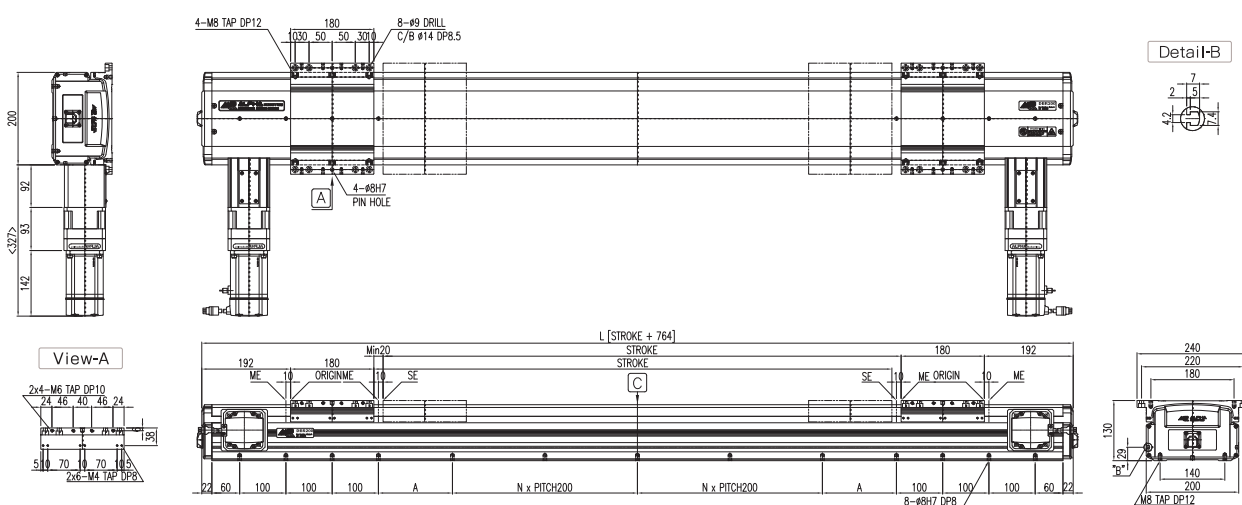
Specification	Unit	DBR200-2SR1/2-75N-R05	Specification	Unit	Data					
DBR200-2SR1 			DBR200-2SR2 	Acceleration	G	0.3				
				Load	kg	20	30	40	50	
	Note3 Horizontal Use			0°	800	800	570	460		
				45°	800	800	678	528		
				90°	800	800	800	800		
Note4 Wall Installation Use		0°	800	770	565	442				
		45°	800	540	397	312				
		90°	800	800	665	520				
Note5 Vertical Use		0°	800	800	620	500				
		45°	800	540	403	325				
		90°	800	800	620	500				
Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s²)							
Life in traveled distance : 30000 km										

DBR200-2SR1

* All dimensions in mm



DBR200-2SR2



Weight	Model	Stroke	Units	800	1000	1200	1400	1600	1800	2000	2200	2400		Offset100	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 50, 100, 150, and 200. Dimensions of "<" ">" are subject to change by specifications of motor or gearbox(reducer).
	2SR1/2-75N-R05		kg	69.9	74.9	79.9	84.8	89.8	94.7	99.7	104.7	109.6		2.48	
Speed	Model	Stroke	Units	800	1000	1200	1400	1600	1800	2000	2200	2400		Offset100	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.
	2SR1/2-75N-R05		mm/s					1600							

Model

DBR200-SL

DBR200-SR

DBR200-PL

DBR200-PR

DBR200-BL

DBR200-BR

DBR200-UL

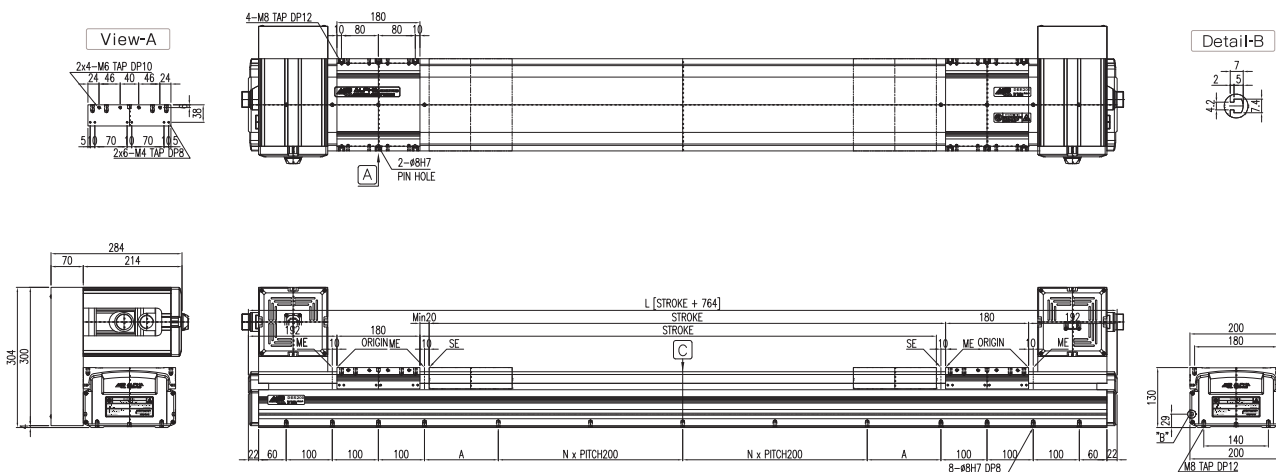
DBR200-UR

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

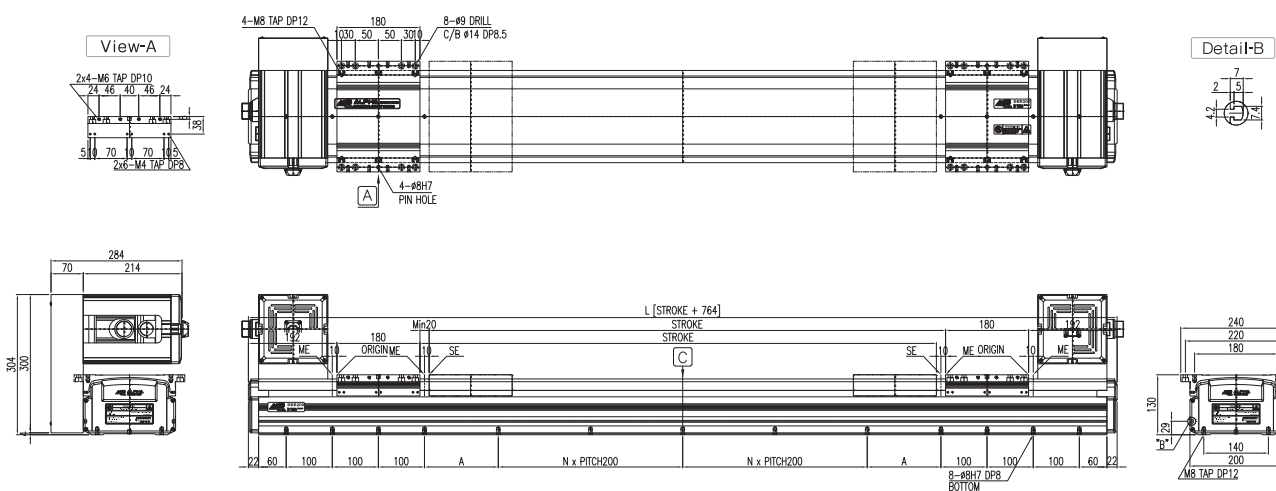
Specification	Unit	DBR200-2PL1/2-1KN	Specification	Unit	Data
DBR200-2PL1		DBR200-2PL2	Acceleration	G	0.3
			Load	kg	20 30 40 50
Rated Output	W	1000W, 2000 min ⁻¹	Note3 Horizontal Use	0°	800 800 570 460
Max. Speed	Note1 mm/s	2000		45°	800 800 678 528
Max. Load	Note2 kg	50	Note4 Wall Installation Use	90°	800 800 800 800
Stroke Range	mm	200 ~ 2400		0°	800 770 565 442
Repeatability	mm	± 0.1	Note5 Vertical Use	45°	800 800 620 500
Drive Type	-	BELT		90°	800 800 665 520
			Estimated Condition	Max Speed : 2000 mm/s	Acceleration : 0.3 G (2.94 m/s ²)
				Life in traveled distance : 30000 km	

DBR200-2PL1

* All dimensions in mm



DBR200-2PL2



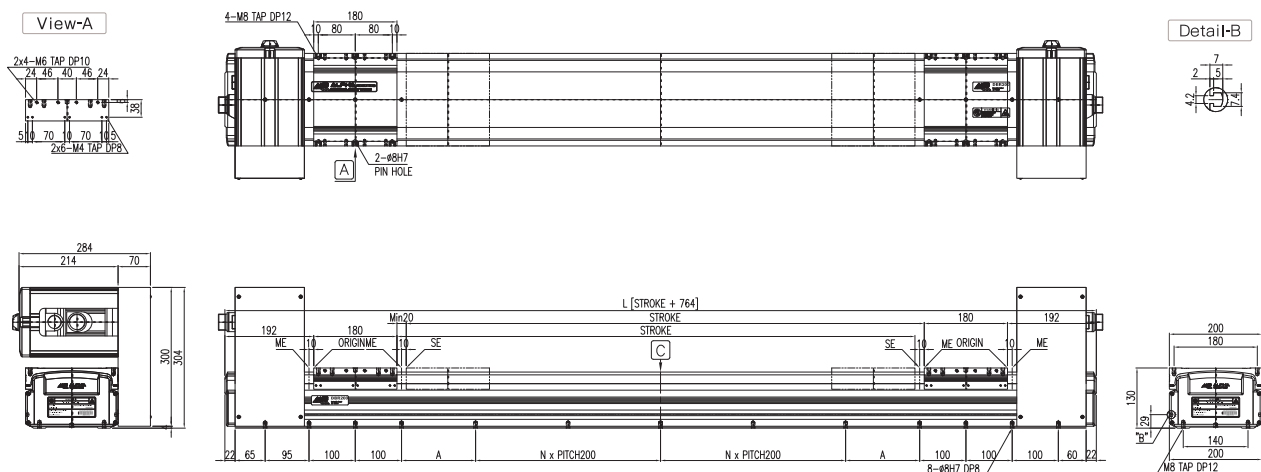
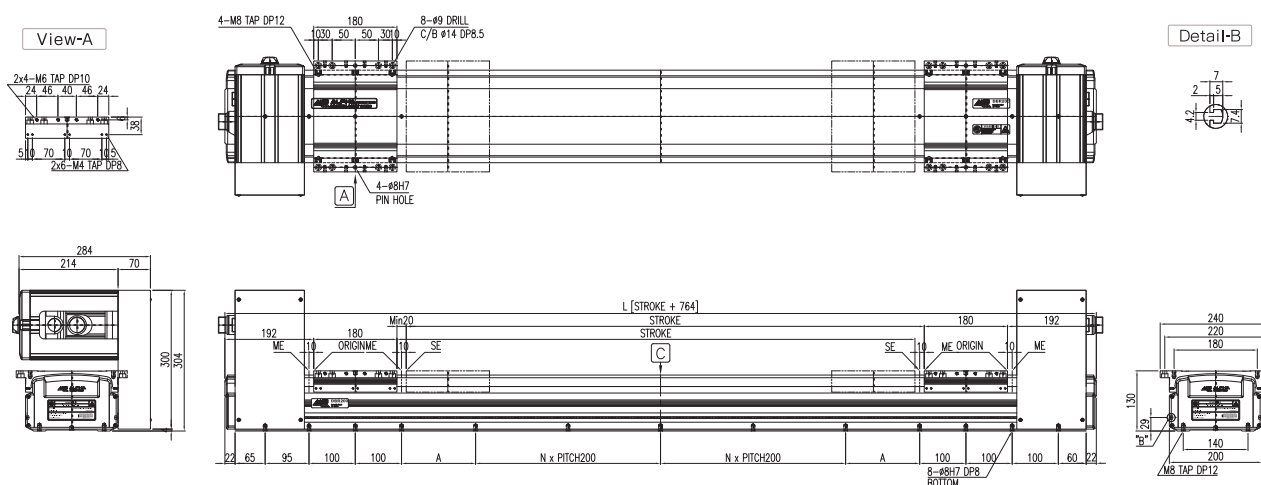
Weight	Model	Stroke	Units	800	1000	1200	1400	1600	1800	2000	2200	2400	Offset(100)	CAUTION
	2PL1-1KN		kg	73.2	78.2	83.1	88.1	93.1	98.0	103.0	107.9	112.9	2.48	In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. - ME : Mechanical End - SE : Stroke End - Standard stroke changes by 50mm distance, and values of 'A' change by 50, 100, 150, and 200.
	2PL2-1KN		kg	80.4	85.4	90.3	95.3	100.3	105.2	110.2	115.1	120.1	2.48	
Speed	Model	Stroke	Units	800	1000	1200	1400	1600	1800	2000	2200	2400	Offset(100)	
	2PL1/2-1KN		mm/s							2000				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.

DBR200 SERIES

Model	DBR200-SL	DBR200-SR	DBR200-PL	DBR200-PR	DBR200-BL	DBR200-BR	DBR200-UL	DBR200-UR
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Specification	Unit	DBR200-2PR1/2-1KN	Specification	Unit	Data				
DBR200-2PR1			DBR200-2PR2						
Rated Output	W	1000W, 2000 min ⁻¹							
Max. Speed	Note1 mm/s	2000							
Max. Load	Note2 kg	50							
Stroke Range	mm	200 ~ 2400							
Repeatability	mm	± 0.1							
Drive Type	-	BELT							
Note3 Horizontal Use	Allowable Overhang Distance - mm		Acceleration	G	0.3				
			Load	kg	20	30	40	50	
			0°	800	800	570	460		
			45°	800	800	678	528		
			90°	800	800	800	800		
			Note4 Wall Installation Use		0°	800	770	565	442
					45°	800	540	397	312
					90°	800	800	665	520
			Note5 Vertical Use		0°	800	800	620	500
					45°	800	540	403	325
90°	800	800			620	500			
Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s ²)						
	Life in traveled distance : 30000 km								

DBR200-2PR1

**DBR200-2PR2**

Weight	Model	Stroke	Units	800	1000	1200	1400	1600	1800	2000	2200	2400		Offset(100)	⚠ 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 50, 100, 150, and 200.
	DBR200-S-75		kg	73.2	78.2	83.1	88.1	93.1	98.0	103.0	107.9	112.9		2.48	
	DBR200-S-1K		kg	80.4	85.4	90.3	95.3	100.3	105.2	110.2	115.1	120.1		2.48	
Speed	Model	Stroke	Units	800	1000	1200	1400	1600	1800	2000	2200	2400		Offset(100)	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.
	DBR200-N		mm/s	2000											
			mm/s												

DBR200 SERIES

SPEC

ARM

AR

AG

AD

BR

BG

DAR

DBR

RS

MR

ADR

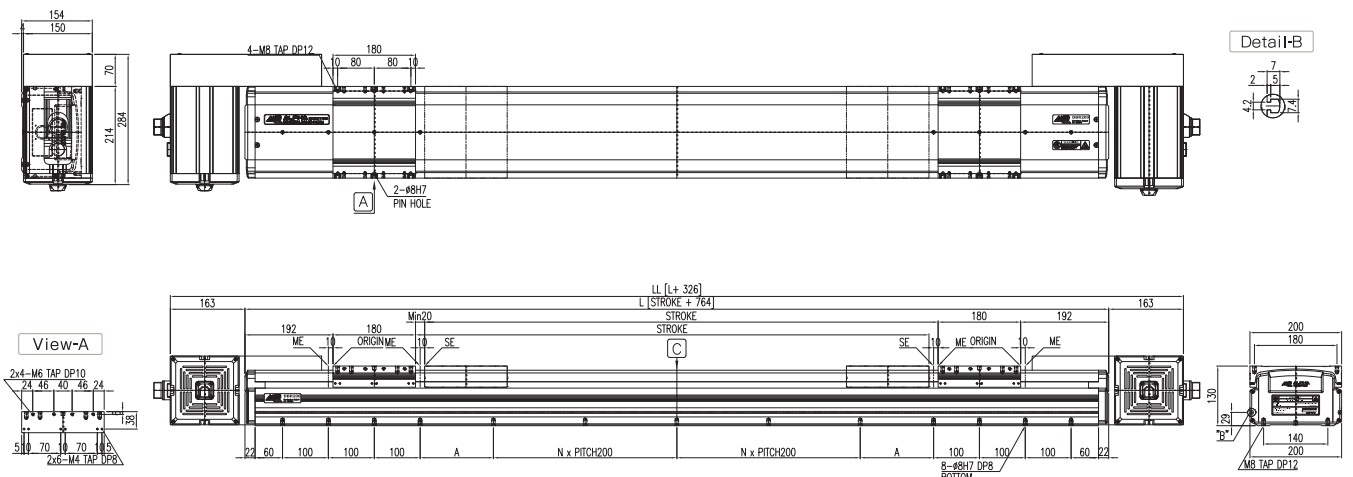
Model	DBR200-SL	DBR200-SR	DBR200-PL	DBR200-PR	DBR200-BL	DBR200-BR	DBR200-UL	DBR200-UR
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Specification		Unit	DBR200-2BL1/2-1KN				
DBR200-2BL1			DBR200-2BL2				
							
Rated Output		W	1000W, 2000 min ⁻¹				
Max. Speed		Note1 mm/s	2000				
Max. Load		Note2 kg	50				
Stroke Range		mm	200 ~ 2400				
Repeatability		mm	± 0.1				
Drive Type		-	BELT				

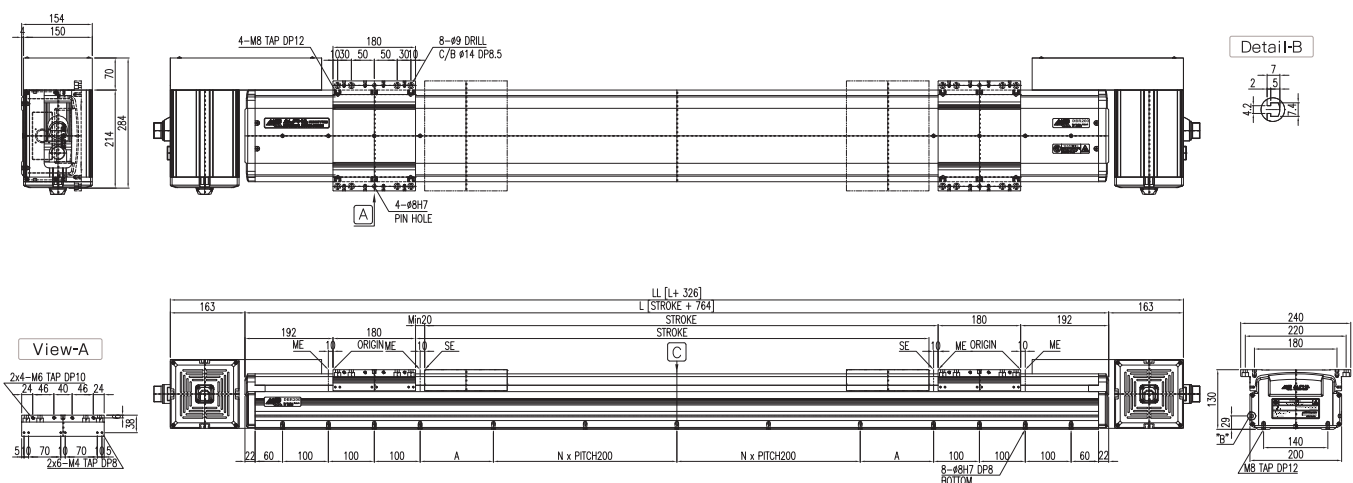
Specification		Unit	Data				
Acceleration		G	0.3				
Load		kg	20	30	40	50	
Note3 Allowable Overhang Distance - mm	Note3 Horizontal Use		0°	800	800	570	460
		45°	800	800	678	528	
		90°	800	800	800	800	
	Note4 Wall Installation Use		0°	800	770	565	442
		45°	800	540	397	312	
		90°	800	800	665	520	
	Note5 Vertical Use		0°	800	800	620	500
		45°	800	540	403	325	
		90°	800	800	620	500	
Note3 Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s ²)				
	Life in traveled distance : 30000 km						

DBR200-2BL1

* All dimensions in mm



DBR200-2BL2

[illegible]

DBR200 SERIES

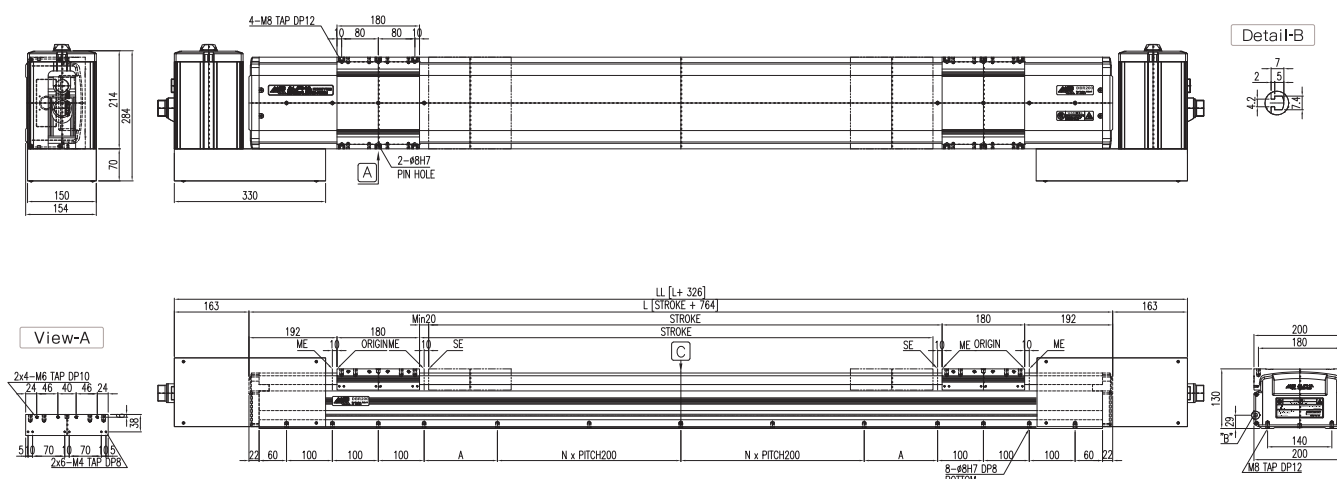
Model	DBR200-SL	DBR200-SR	DBR200-PL	DBR200-PR	DBR200-BL	DBR200-BR	DBR200-UL	DBR200-UR
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Specification		Unit	Data			
DBR200-2BR 1			0.3			
						
DBR200-2BR 2						
						
Rated Output	W	1000W, 2000 min ⁻¹				
Max. Speed	Note1 mm/s	2000				
Max. Load	Note2 kg	50				
Stroke Range	mm	200 ~ 2400				
Repeatability	mm	± 0.1				
Drive Type	-	BELT				

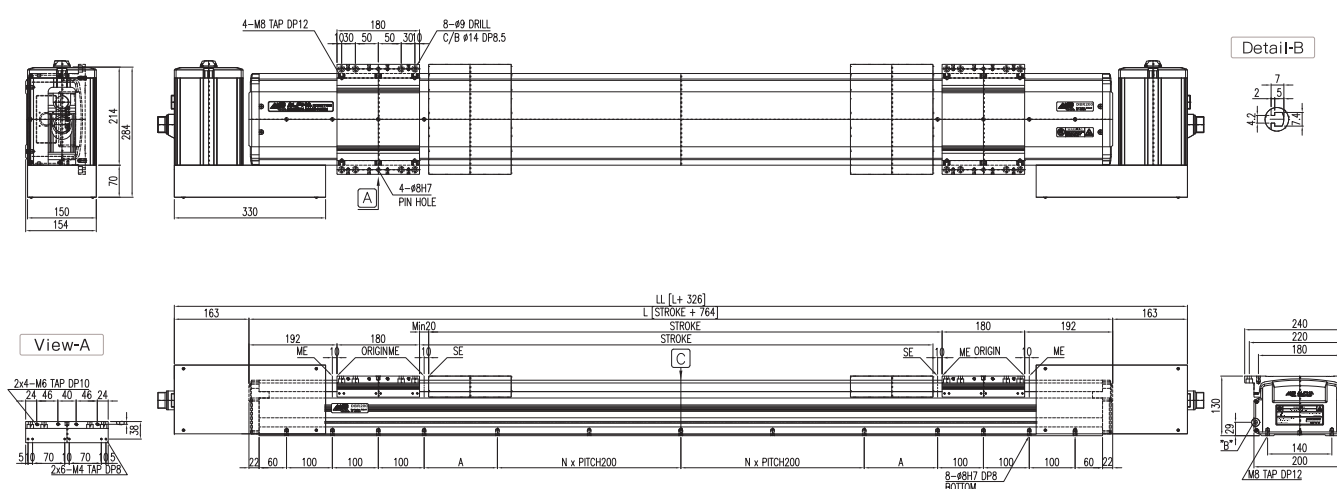
Specification		Unit	Data				
Acceleration			0.3				
Load		kg	20	30	40	50	
Note3 Horizontal Use		0°	800	800	570	460	
		45°	800	800	678	528	
		90°	800	800	800	800	
	Note4 Wall Installation Use		0°	800	770	565	442
			45°	800	540	397	312
			90°	800	800	665	520
	Note5 Vertical Use		0°	800	800	620	500
			45°	800	540	403	325
			90°	800	800	620	500
Estimated Condition		Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s ²)			
		Life in traveled distance : 30000 km					

DBR200-2BR1

* All dimensions in mm



DBR200-2BR2

[illegible]

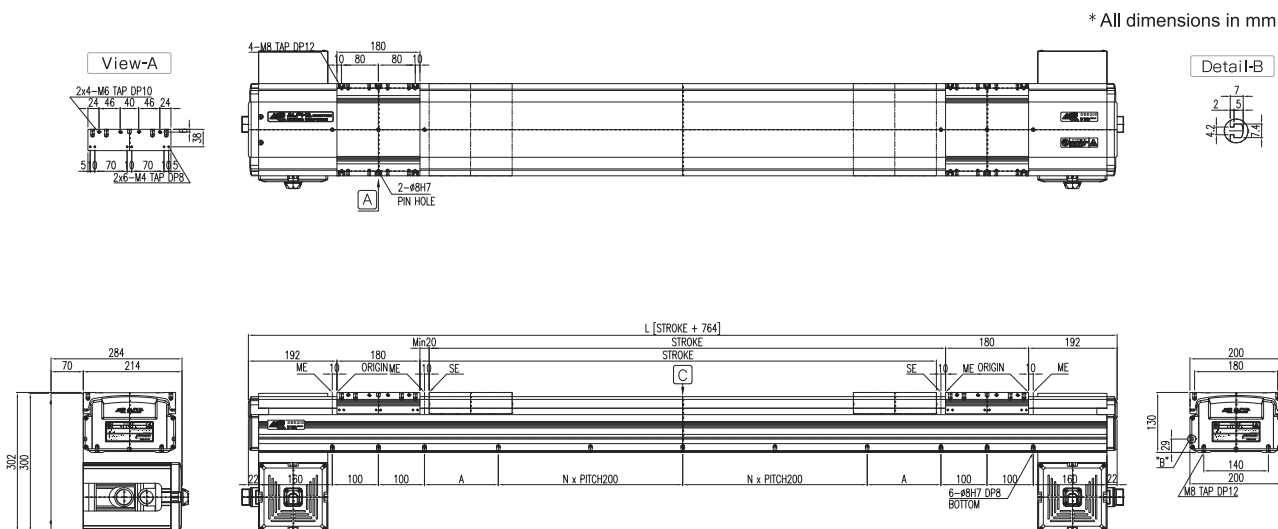
DBR200 SERIES

Model	DBR200-SL	DBR200-SR	DBR200-PL	DBR200-PR	DBR200-BL	DBR200-BR	DBR200-UL	DBR200-UR
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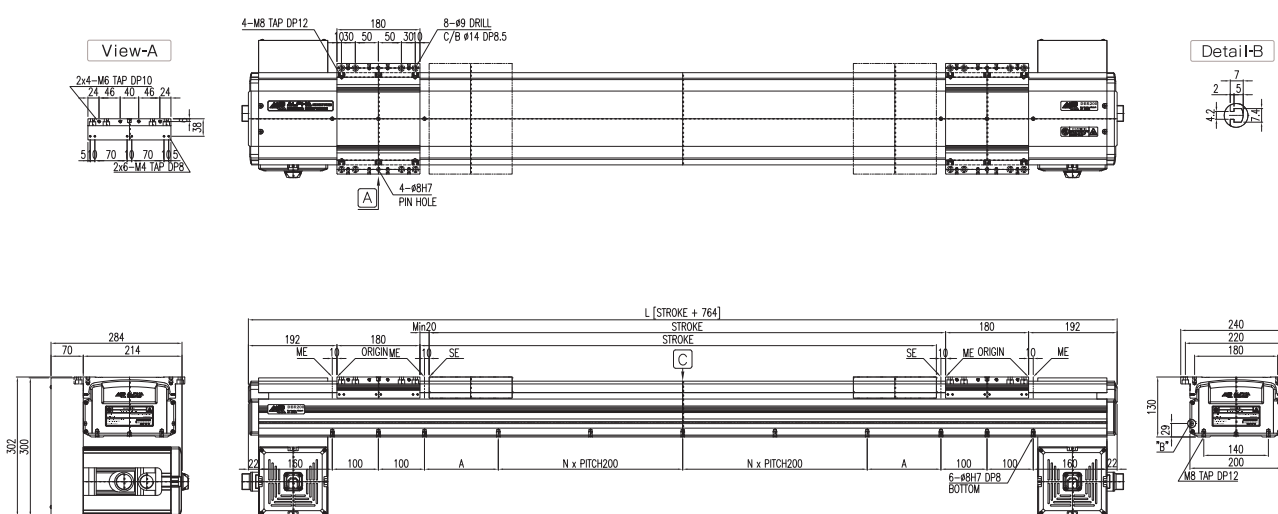
Specification		Unit	DBR200-2UL1/2-1KN				
DBR200-2UL1							
Rated Output		W	1000W, 2000 min ⁻¹				
Max. Speed	Note1	mm/s	2000				
Max. Load	Note2	kg	50				
Stroke Range		mm	200 ~ 2400				
Repeatability		mm	± 0.1				
Drive Type		-	BELT				

Specification		Unit	Data				
Acceleration		G	0.3				
Load		kg	20	30	40	50	
Note3 Horizontal Use		0°	800	800	570	460	
		45°	800	800	678	528	
		90°	800	800	800	800	
	Note4 Wall Installation Use		0°	800	770	565	442
			45°	800	540	397	312
			90°	800	800	665	520
	Note5 Vertical Use		0°	800	800	620	500
			45°	800	540	403	325
			90°	800	800	620	500
Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s ²)				
Life in traveled distance : 30000 km							

DBR200-2UL1



DBR200-2UL2

[illegible]

Model

DBR200-SL

DBR200-SR

DBR200-PL

DBR200-PR

DBR200-BL

DBR200-BR

DBR200-UL

DBR200-UR

Specification

Unit

DBR200-2UR1/2-1KN

Specification

Unit

Data

DBR200-2UR1



DBR200-2UR2



Rated Output	W	1000W, 2000 min ⁻¹
Max. Speed	Note1 mm/s	2000
Max. Load	Note2 kg	50
Stroke Range	mm	200 ~ 2400
Repeatability	mm	± 0.1
Drive Type	-	BELT

Acceleration	G	0.3
Load	kg	20 30 40 50
Note3 Horizontal Use	0° 45° 90°	800 800 570 460 800 800 678 528 800 800 800 800
Note4 Wall Installation Use	0° 45° 90°	800 770 565 442 800 540 397 312 800 800 665 520
Note5 Vertical Use	0° 45° 90°	800 800 620 500 800 540 403 325 800 800 620 500
Estimated Condition	Max Speed : 2000 mm/s Life in traveled distance : 30000 km	Acceleration : 0.3 G (2.94 m/s ²)

Note3 Allowable Overhang Distance - mm

Note3
Horizontal Use



Note4
Wall Installation Use



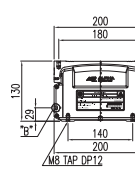
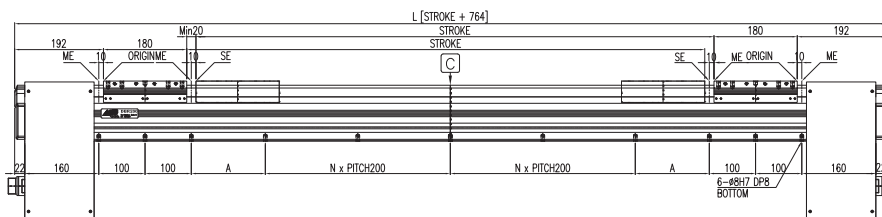
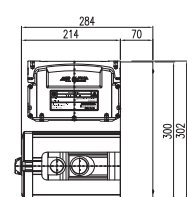
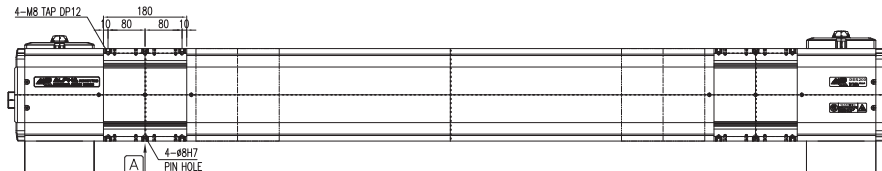
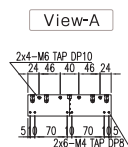
Note5
Vertical Use



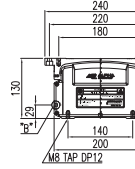
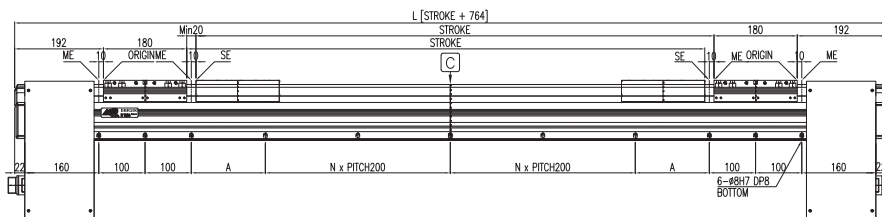
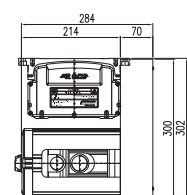
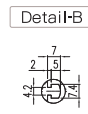
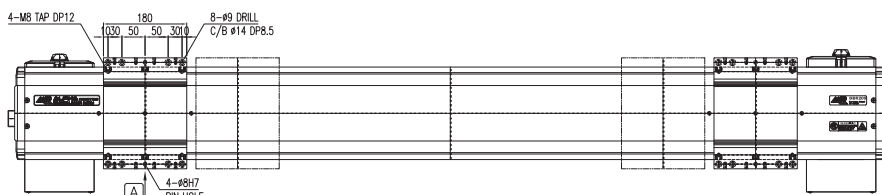
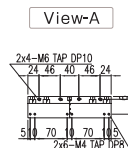
H of Max. Load indicates Horizontal use and V of Max. Load indicates Vertical use.

DBR200-2UR1

* All dimensions in mm



DBR200-2UR2



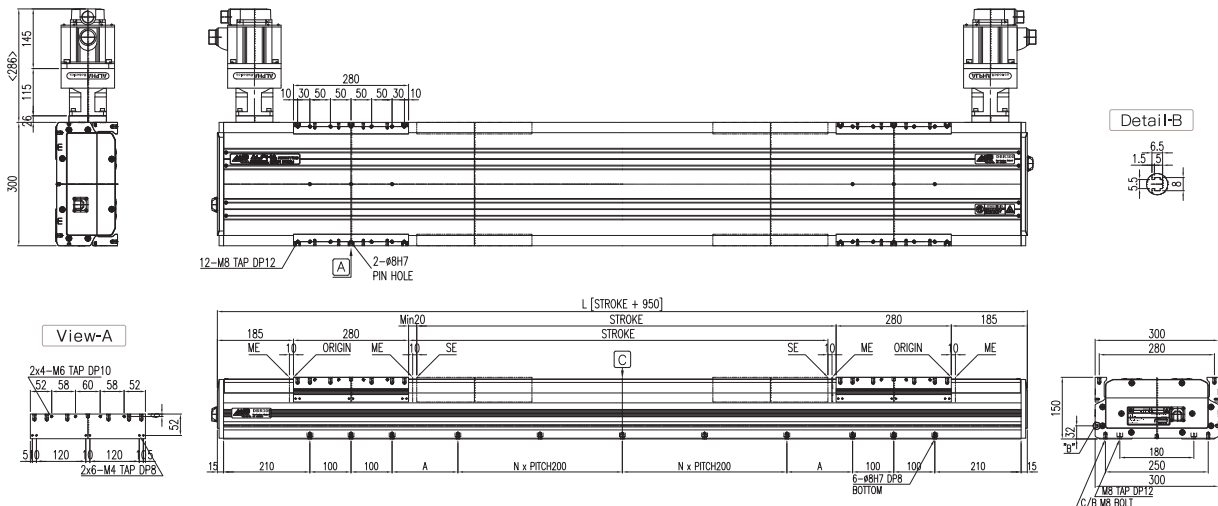
Weight	Model	Stroke	Units	800	1000	1200	1400	1600	1800	2000	2200	2400	Offset(100)	CAUTION
	DBR200-S-75	kg		73.2	78.2	83.1	88.1	93.1	98.0	103.0	107.9	112.9	2.48	In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. - ME : Mechanical End - SE : Stroke End Standard stroke changes by 50mm distance, and values of "A" change by 50, 100, 150, and 200.
	DBR200-S-1K	kg		80.4	85.4	90.3	95.3	100.3	105.2	110.2	115.1	120.1	2.48	
Speed	Model	Stroke	Units	800	1000	1200	1400	1600	1800	2000	2200	2400	Offset(100)	
	DBR200-N	mm/s								2000				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.

DBR300 SERIES

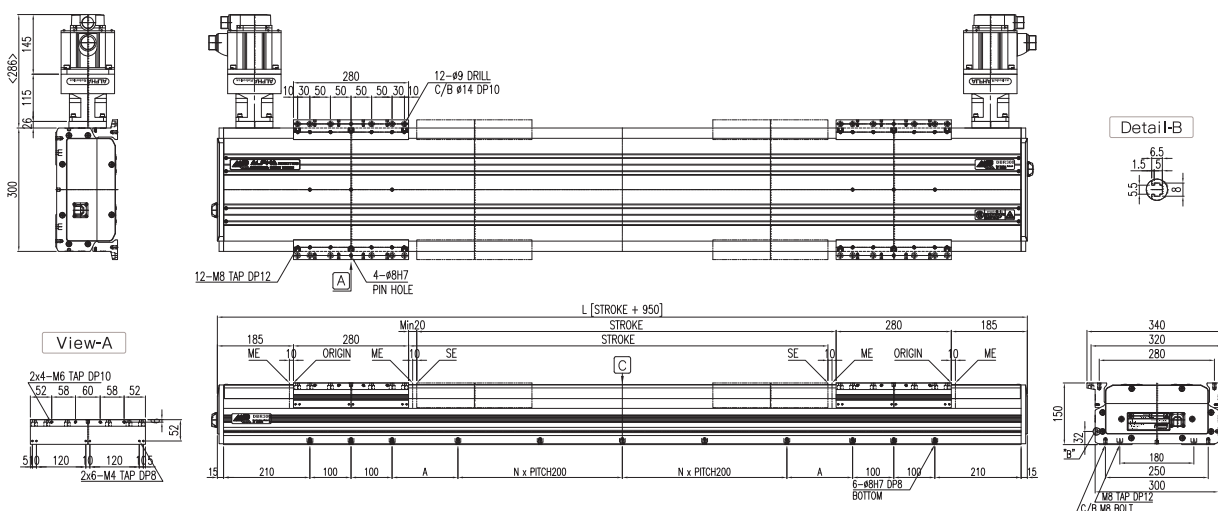
Model	DBR300-SL	DBR300-SR	DBR300-PL	DBR300-PR	DBR300-BL	DBR300-BR	DBR300-UL	DBR300-UR
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Specification	Unit	DBR300-2SL1/2-1KN-R03	Specification	Unit	Data					
DBR300-2SL1		DBR300-2SL2	Acceleration	G	0.3					
			Load	kg	35	50	65	80		
			Note3 Allowable Overhang Distance - mm	Note3 Horizontal Use		0°	1000	1000	1000	1000
						45°	1000	1000	1000	1000
						90°	1000	1000	1000	1000
				Note4 Wall Installation Use		0°	1000	1000	1000	1000
						45°	1000	1000	904	722
						90°	1000	1000	1000	1000
				Note5 Vertical Use		0°	1000	1000	1000	1000
						45°	1000	1000	871	715
						90°	1000	1000	1000	1000
Rated Output	W	1000W, 2000 min ⁻¹ , R03		Note3 Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s ²)			
Max. Speed	Note1 mm/s	1750	Life in traveled distance : 30000 km							
Max. Load	Note2 kg	80								
Stroke Range	mm	200 ~ 3000								
Repeatability	mm	± 0.1								
Drive Type	-	BELT								

DBR300-2SL1



DBR300-2SL2



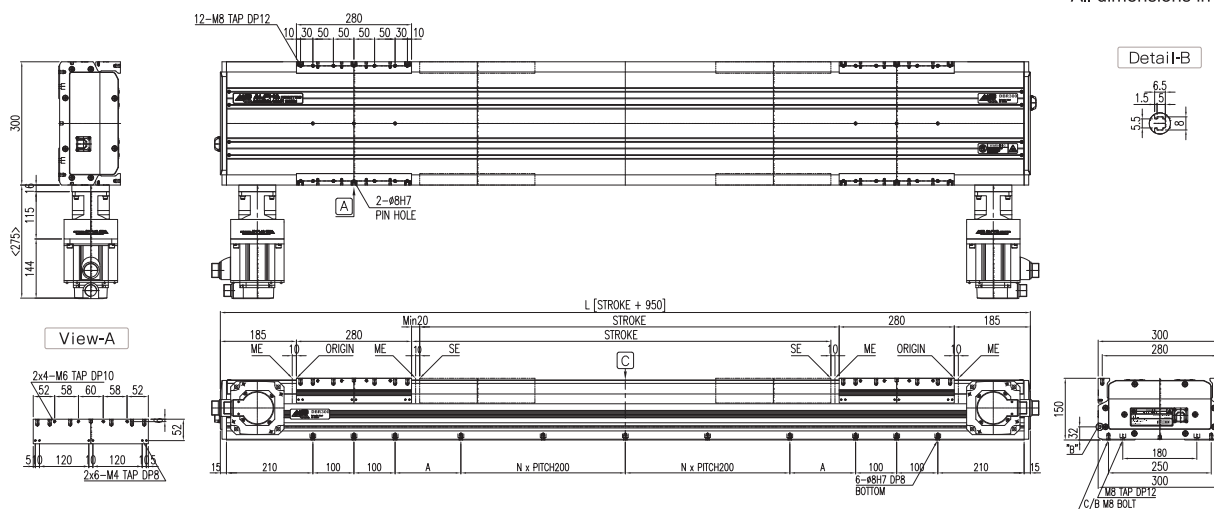
Weight	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	⚠ CAUTION
	DBR300-S-1K		kg	104.1	117.0	130.0	143.0	155.9	168.9	181.8	194.8	207.8	220.7	4.32	
Speed	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	NOTE1 In case of the short stroke, it may 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.
	DBR300-N		mm/s					1750							

DBR300 SERIES

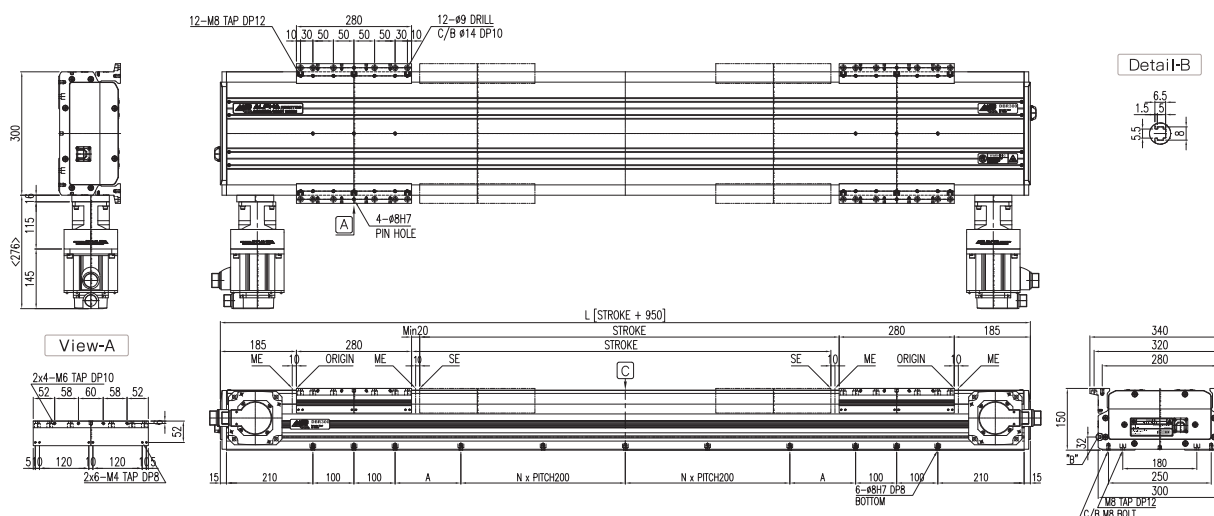
Model	DBR300-SL	DBR300-SR	DBR300-PL	DBR300-PR	DBR300-BL	DBR300-BR	DBR300-UL	DBR300-UR
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Specification	Unit	DBR300-2SR1/2-1 KN-R03	Specification	Unit	Data					
DBR300-2SR1		DBR300-2SR2		Acceleration	G	0.3				
				Load	kg	35	50	65	80	
Rated Output	W	1000W, 2000 min ⁻¹ , R03	Note3 Horizontal Use		0°	1000	1000	1000	1000	
					45°	1000	1000	1000	1000	
					90°	1000	1000	1000	1000	
				Note4 Wall Installation Use		0°	1000	1000	1000	1000
						45°	1000	1000	904	722
						90°	1000	1000	1000	1000
				Note5 Vertical Use		0°	1000	1000	1000	1000
45°	1000	1000	871			715				
90°	1000	1000	1000			1000				
Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s ²)							
Life in traveled distance : 30000 km										

DBR300-2SR1



DBR300-2SR2



Weight	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	 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 50, 100, 150, and 200mm. Dimensions of "<" are subject to change by specifications of motor or gearbox(reducer).
	DBR300-S-1K		kg	104.1	117.0	130.0	143.0	155.9	168.9	181.8	194.8	207.8	220.7	4.32	
Speed	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	 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.
	DBR300-N		mm/s						1750						

Model

DBR300-SL

DBR300-SR

DBR300-PL

DBR300-PR

DBR300-BL

DBR300-BR

DBR300-UL

DBR300-UR

Specification

Unit

DBR300-2PL1/2-1KN

Specification

Unit

Data

DBR300-2PL1



DBR300-2PL2



Rated Output	W	1000W, 2000 min ⁻¹
Max. Speed	Note1 mm/s	2000
Max. Load	Note2 kg	80
Stroke Range	mm	200 ~ 3000
Repeatability	mm	± 0.1
Drive Type	-	BELT

Acceleration

G

0.3

Load

kg

35

50

65

80

Note3 Allowable Overhang Distance - mm

Note3
Horizontal
UseNote4
Wall
Installation
UseNote5
Vertical
Use

0°

45°

90°

0°

45°

90°

0°

45°

90°

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

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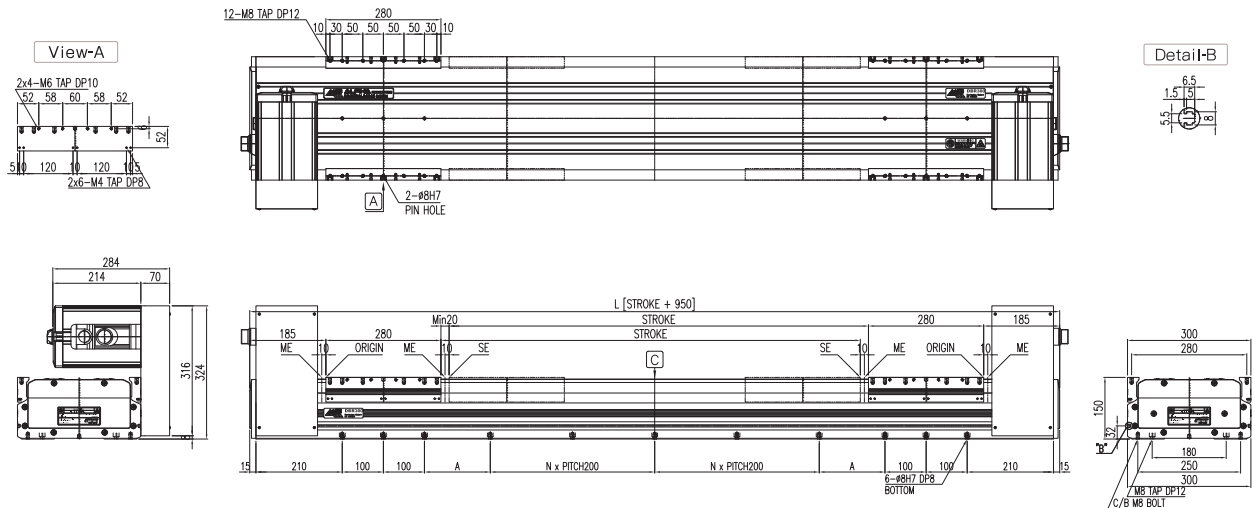
Max Speed : 2000 mm/s

Acceleration : 0.3 G (2.94 m/s²)

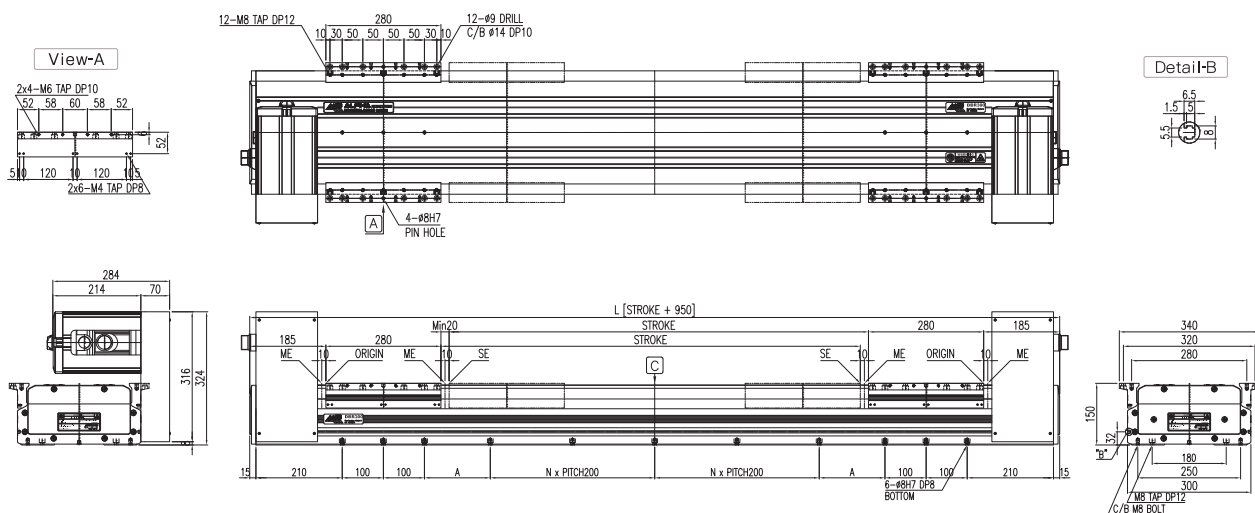
Life in traveled distance : 30000 km

DBR300-2PL1

* All dimensions in mm



DBR300-2PL2

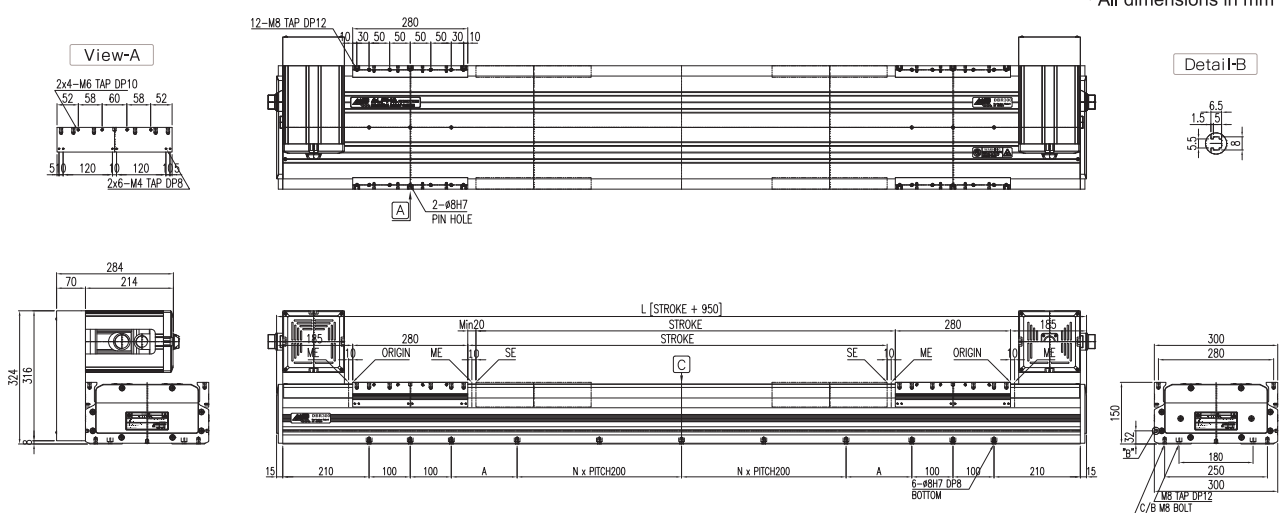
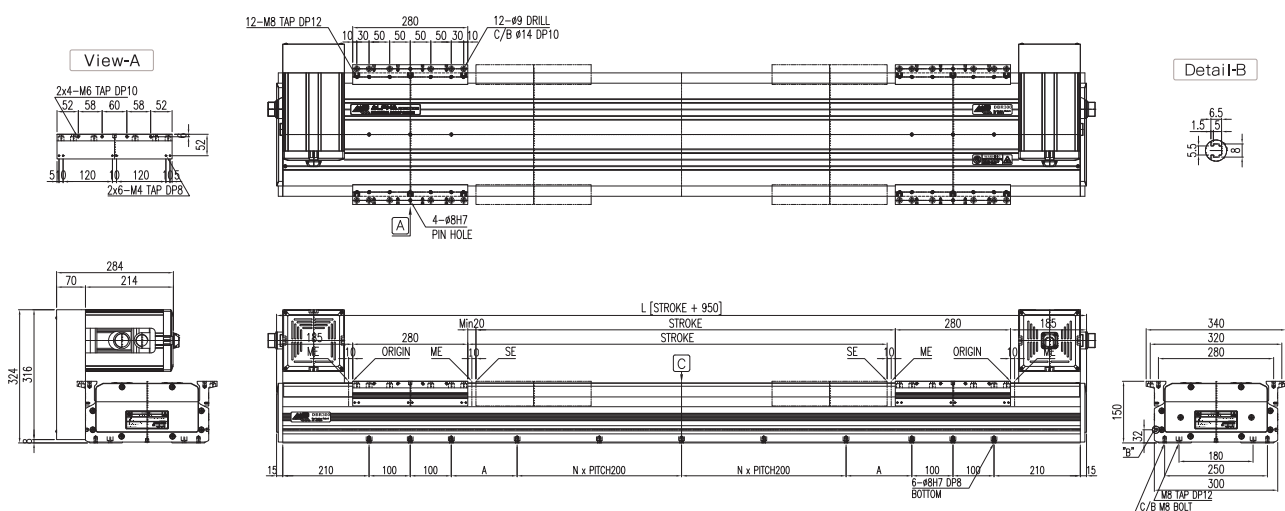


Weight	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	CAUTION
	DBR300-P-1K		kg	114.2	127.1	140.1	153.0	166.0	179.0	191.9	204.9	217.8	230.8	4.32	In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. * ME : Mechanical End SE : Stroke End Standard stroke changes by 50mm distance, and values of "A" change by 50, 100, 150, and 200.
Speed	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	NOTE1
	DBR300-N		mm/s												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.

DBR300 SERIES

Model	DBR300-SL	DBR300-SR	DBR300-PL	DBR300-PR	DBR300-BL	DBR300-BR	DBR300-UL	DBR300-UR
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Specification	Unit	DBR300-2PR1/2-1KN	Specification	Unit	Data					
DBR300-2PR1		DBR300-2PR2	Acceleration	G	0.3					
			Load	kg	35	50	65	80		
			Note3 Allowable Overhang Distance - mm	Note3 Horizontal Use		0°	1000	1000	1000	1000
						45°	1000	1000	1000	1000
						90°	1000	1000	1000	1000
				Note4 Wall Installation Use		0°	1000	1000	1000	1000
						45°	1000	1000	904	722
						90°	1000	1000	1000	1000
				Note5 Vertical Use		0°	1000	1000	1000	1000
						45°	1000	1000	871	715
						90°	1000	1000	1000	1000
Rated Output	W	1000W, 2000 min ⁻¹		Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s ²)			
Max. Speed Note1	mm/s	2000	Life in traveled distance : 30000 km							
Max. Load Note2	kg	80								
Stroke Range	mm	200 ~ 3000								
Repeatability	mm	± 0.1								
Drive Type	-	BELT								

DBR300-2PR 1**DBR300-2PR2**

Weight	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	⚠ CAUTION
	DBR300-P-1K		kg	114.2	127.1	140.1	153.0	166.0	179.0	191.9	204.9	217.8	230.8	4.32	
Speed	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	[NOTE 1] In case of the short stroke, it may not be reached at maximum speed. [NOTE 2] It is changed by operating conditions. [NOTE 3] In case of use of products beyond allowable overhang value, it may result in malfunction of products. [NOTE 4] In case of Vertical use or Wall installation use, please consult with us.
	DBR300-N		mm/s						2000						

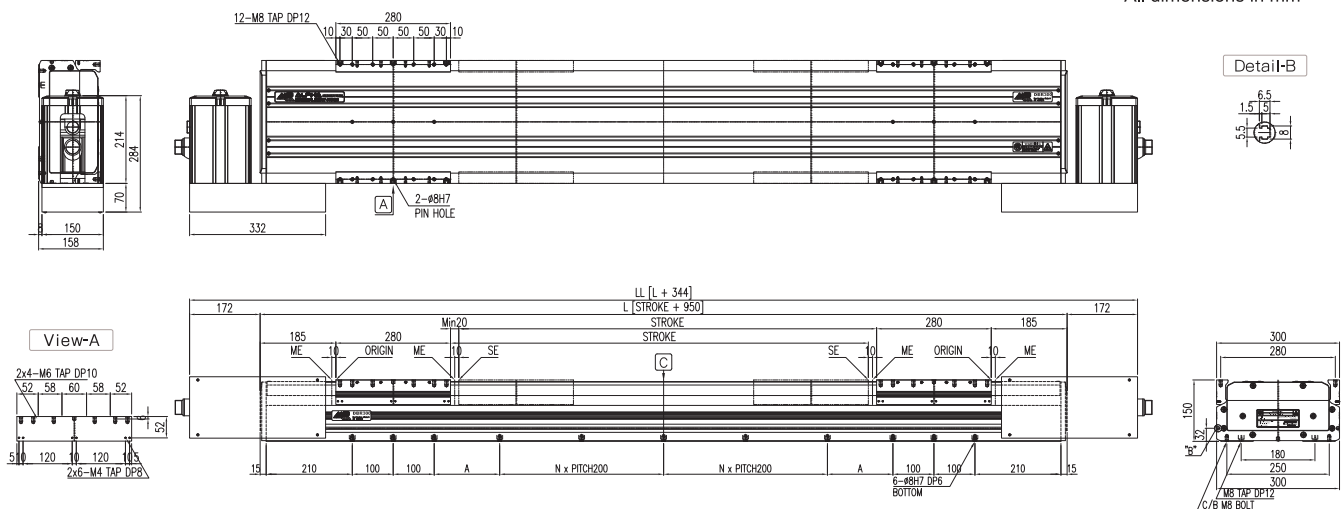
DBR300 SERIES

Model	DBR300-SL	DBR300-SR	DBR300-PL	DBR300-PR	DBR300-BL	DBR300-BR	DBR300-UL	DBR300-UR
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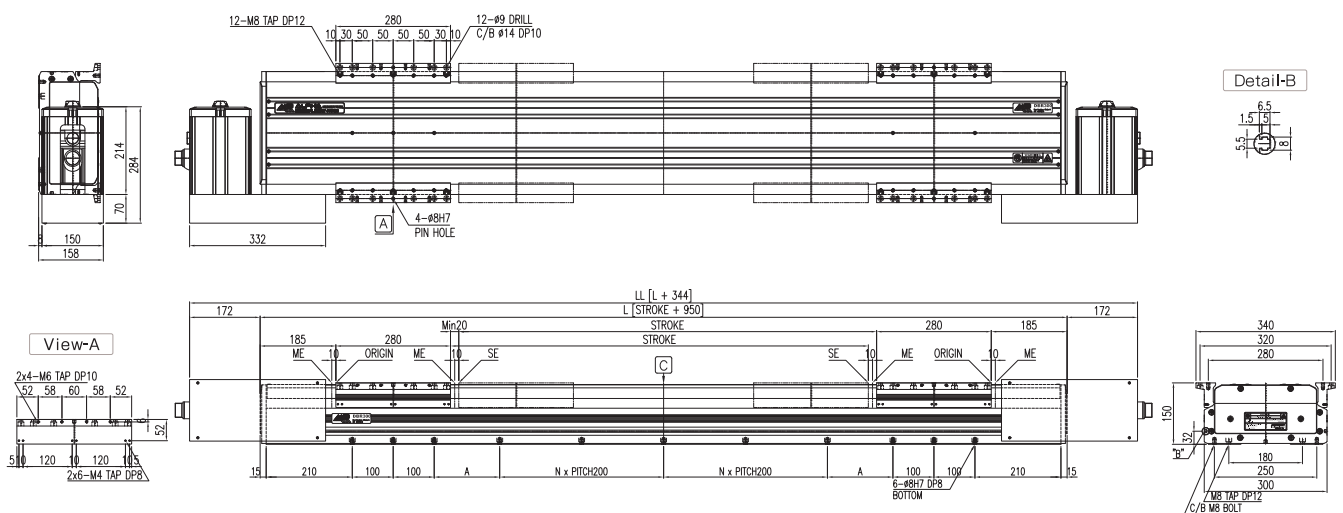
Specification	Unit	DBR300-2BL1/2-1KN	Specification	Unit	Data					
DBR300-2BL1			DBR300-2BL2							
Rated Output	W	1000W, 2000 min ⁻¹	Note3 Allowable Overhang Distance - mm	Acceleration	G	0.3				
Max. Speed	Note1 mm/s	2000		Load	kg	35	50	65	80	
Max. Load	Note2 kg	80		Note3 Horizontal Use		0°	1000	1000	1000	1000
Stroke Range	mm	200 ~ 3000				45°	1000	1000	1000	1000
Repeatability	mm	± 0.1				90°	1000	1000	1000	1000
Drive Type	-	BELT		Note4 Wall Installation Use		0°	1000	1000	1000	1000
						45°	1000	1000	904	722
						90°	1000	1000	1000	1000
				Note5 Vertical Use		0°	1000	1000	1000	1000
						45°	1000	1000	871	715
			90°			1000	1000	1000	1000	
			Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s²)				
				Life in traveled distance : 30000 km						

DBR300-2BL1

* All dimensions in mm



DBR300-2BL2



Weight	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	⚠ CAUTION
	DBR300-P-1K		kg	114.2	127.1	140.1	153.0	166.0	179.0	191.9	204.9	217.8	230.8	4.32	
Speed	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	
	DBR300-N		mm/s					2000							NOTE-1 In case of the short stroke, it may not be reached at maximum speed. NOTE-2 It is changed by operating conditions. NOTE-3 In case of use of products beyond allowable overhang value, it may result in malfunction of products. NOTE-4 In case of Vertical use or Wall installation use, please consult with us.

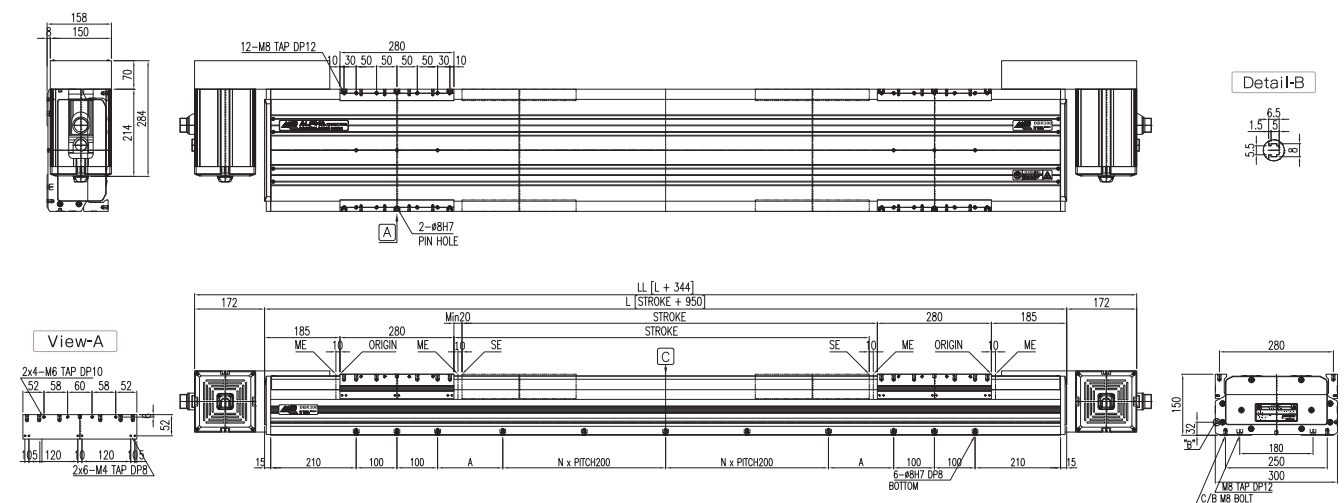
Model	DBR300-SL	DBR300-SR	DBR300-PL	DBR300-PR	DBR300-BL	DBR300-BR	DBR300-UL	DBR300-UR
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H of Max. Load indicates Horizontal use and V of Max. Load indicates Vertical use.

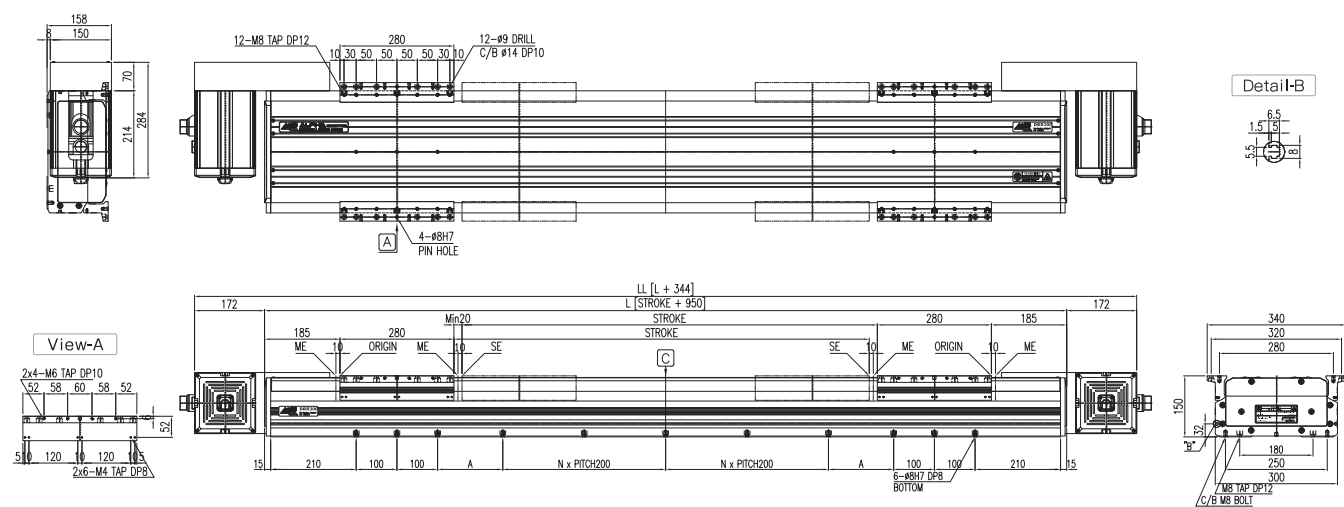
Specification	Unit	DBR300-2BR1/2-1KN	Specification	Unit	Data
DBR300-2BR1			DBR300-2BR2		
					
Rated Output	W	1000W, 2000 min ⁻¹	Acceleration	G	0.3
Max. Speed	Note1 mm/s	2000	Load	kg	35 50 65 80
Max. Load	Note2 kg	80	Note3 Horizontal Use	0°	1000 1000 1000 1000
Stroke Range	mm	200 ~ 3000		45°	1000 1000 1000 1000
Repeatability	mm	± 0.1	Note4 Wall Installation Use	90°	1000 1000 1000 1000
Drive Type	-	BELT		0°	1000 1000 1000 1000
			Note5 Vertical Use	45°	1000 1000 871 715
				90°	1000 1000 1000 1000
			Estimated Condition	Max Speed : 2000 mm/s	Acceleration : 0.3 G (2.94 m/s ²)
				Life in traveled distance : 30000 km	

DBR300-2BR1

* All dimensions in mm



DBR300-2BR2



Weight	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	CAUTION
	DBR300-P-1K	kg		114.2	127.1	140.1	153.0	166.0	179.0	191.9	204.9	217.8	230.8	4.32	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 50, 100, 150, and 200.
Speed	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	NOTE1
	DBR300-N	mm/s													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

DBR300-SL

DBR300-SR

DBR300-PL

DBR300-PR

DBR300-BL

DBR300-BR

DBR300-UL

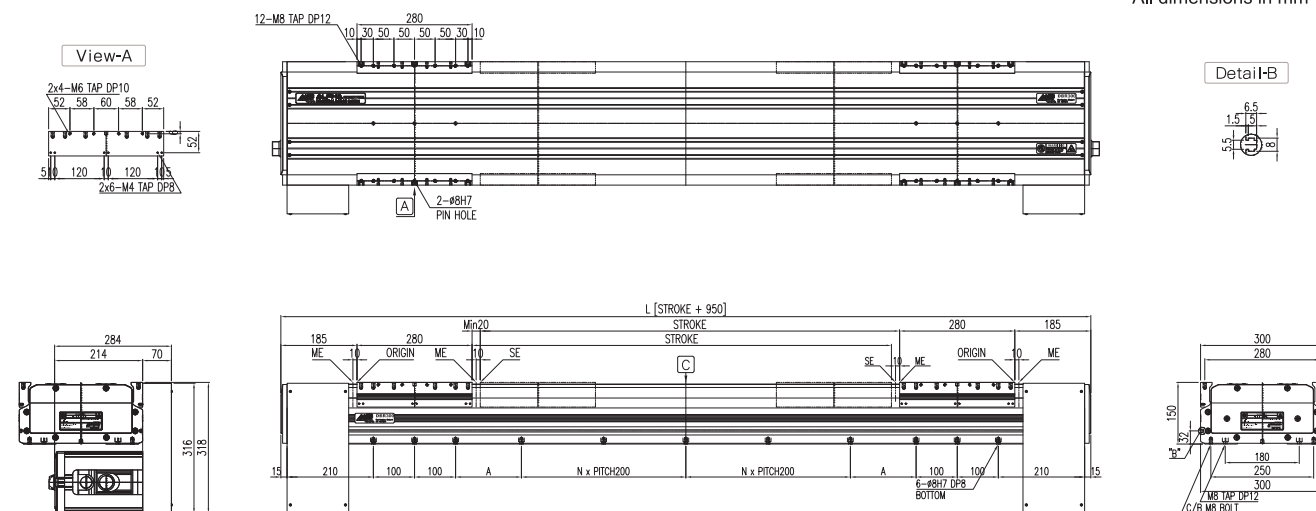
DBR300-UR

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

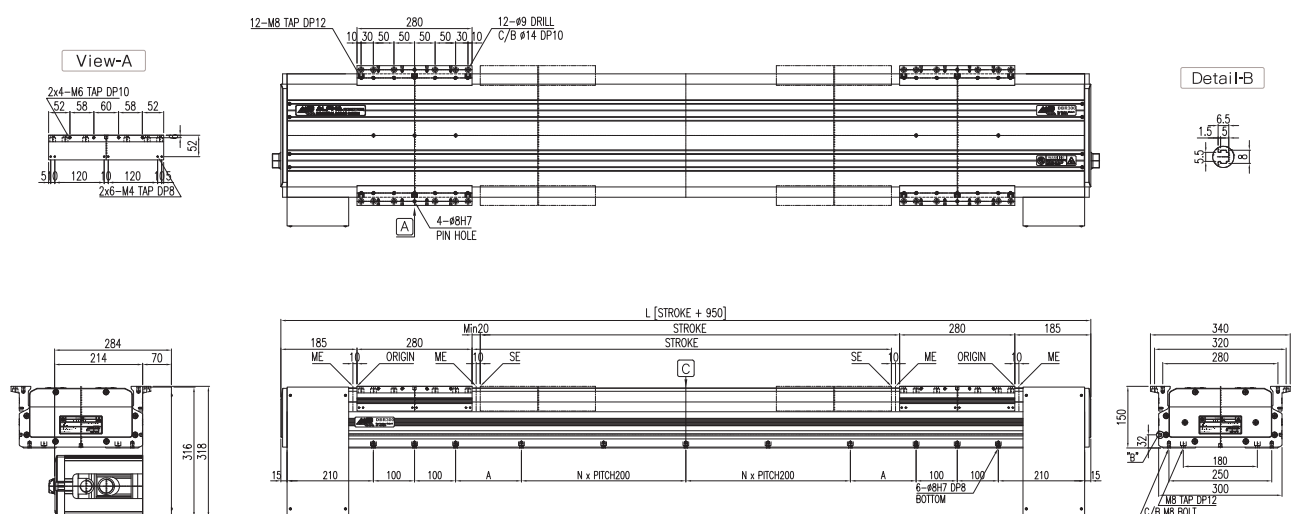
Specification	Unit	DBR300-2UL1/2-1KN	Specification	Unit	Data					
DBR300-2UL1			DBR300-2UL2							
										
Rated Output	W	1000W, 2000 min ⁻¹	Note3 Allowable Overhang Distance - mm	Acceleration	G	0.3				
Max. Speed	Note1 mm/s	2000		Load	kg	35	50	65	80	
Max. Load	Note2 kg	80		Note3 Horizontal Use	0°	1000	1000	1000	1000	
Stroke Range	mm	200 ~ 3000			45°	1000	1000	1000	1000	
Repeatability	mm	±0.1		Note4 Wall Installation Use	90°	1000	1000	1000	1000	
Drive Type	-	BELT			0°	1000	1000	1000	1000	
					45°	1000	1000	904	722	
					90°	1000	1000	1000	1000	
					Note5 Vertical Use	0°	1000	1000	1000	1000
						45°	1000	1000	871	715
					90°	1000	1000	1000	1000	
				Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94 m/s²)			
					Life in traveled distance : 30000 km					

DBR300-2UL1

* All dimensions in mm



DBR300-2UL2



Weight	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	CAUTION
	DBR300-P-1K	kg		114.2	127.1	140.1	153.0	166.0	179.0	191.9	204.9	217.8	230.8	4.32	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 50, 100, 150, and 200.
Speed	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	NOTE1
	DBR300-N	mm/s													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

DBR300-SL

DBR300-SR

DBR300-PL

DBR300-PR

DBR300-BL

DBR300-BR

DBR300-UL

DBR300-UR

Specification

Unit

DBR300-2UR1/2-1KN

Specification

Unit

Data

DBR300-2UR1

DBR300-2UR2



Rated Output	W	1000W, 2000 min ⁻¹
Max. Speed	Note1 mm/s	2000
Max. Load	Note2 kg	80
Stroke Range	mm	200 ~ 3000
Repeatability	mm	± 0.1
Drive Type	-	BELT

Acceleration

G

0.3

Load

kg

35

50

65

80

Note3

Horizontal Use



Note4

Wall Installation Use



Note5

Vertical Use



Estimated Condition

Max Speed : 2000 mm/s

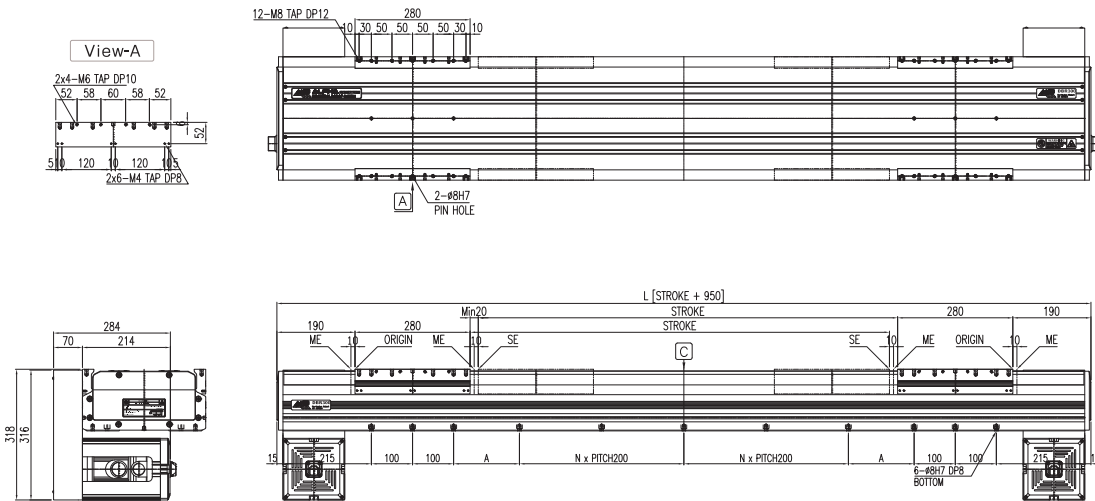
Acceleration : 0.3 G (2.94 m/s²)

Life in traveled distance : 30000 km

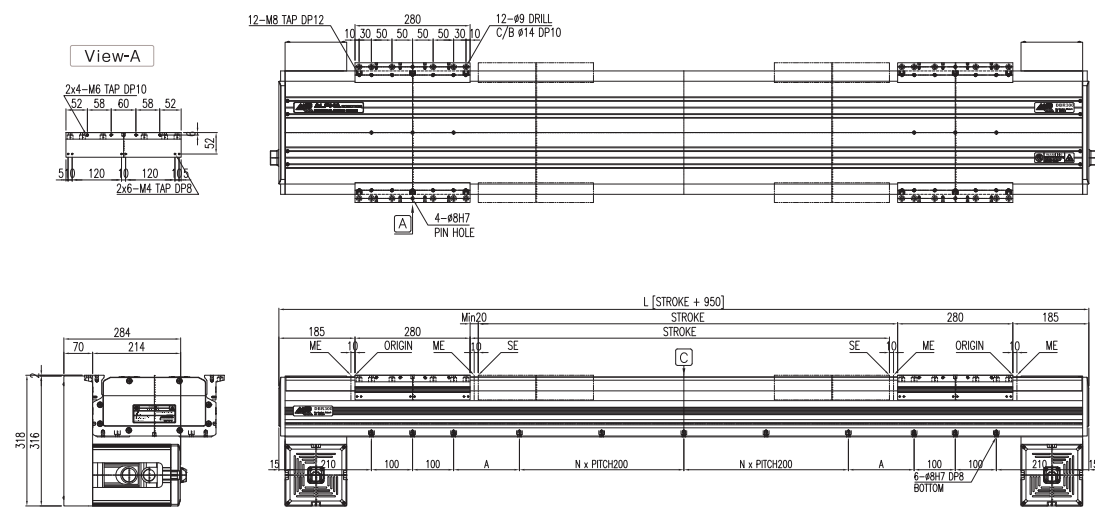
H of Max. Load indicates Horizontal use and V of Max. Load indicates Vertical use.

DBR300-2UR1

* All dimensions in mm



DBR300-2UR2



Weight	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	CAUTION
	DBR300-P-1K		kg	114.2	127.1	140.1	153.0	166.0	179.0	191.9	204.9	217.8	230.8	4.32	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 50, 100, 150, and 200.
Speed	Model	Stroke	Units	300	600	900	1200	1500	1800	2100	2400	2700	3000	Offset(100)	NOTE1
	DBR300-N		mm/s												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.