ALPHA ROBOTICS

ALPHA LINEAR ROBOT



ALR

STANDARD LINEAR ROBOT

STD | PRO GRAM | mm | mm/s | kg | CE



ALR140-S	20.1
ALR160-S	21.1
ALR180-S	22.1
ALR230-S	23.1
ALR300-S	24.1
ALR180-H	25.1
ALR230-H	26.1
ALR300-H	27.1

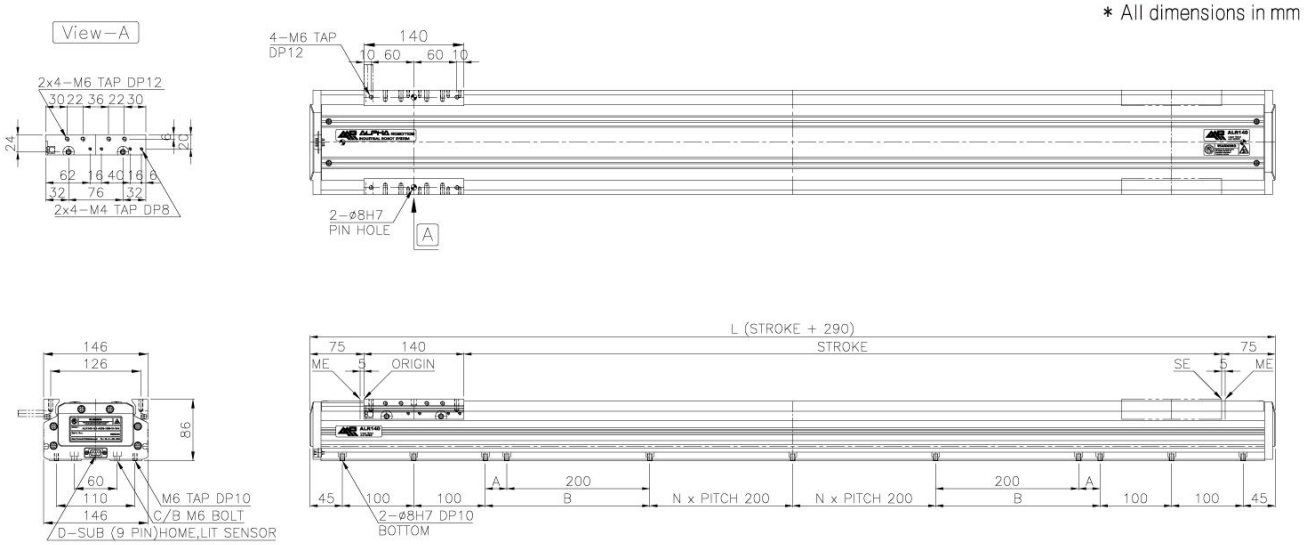
Model / Peak Force	ALR140-1S1 A008 86N	ALR140-1S2 A008 86N	ALR140-1S3 A008 86N	ALR140-1S1 A012 125N	ALR140-1S2 A012 125N	ALR140-1S3 A012 125N		

Specification	Unit	Data
ALR140-1S1-A008		ALR140-2S1-A008
		
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1000
Max. Load	kgf	Note3 40
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	10	5	3	2
Allowable Overhang Distance - mm	Horizontal Use	0°	700	700	700	700
		45°	700	700	700	700
		90°	700	700	700	700
	Wall Installation Use	0°	700	700	700	700
		45°	700	700	700	700
		90°	670	700	700	700
	Note4 Vertical Use	0°	700	700	700	700
		45°	640	700	700	700
		90°	700	700	700	700
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

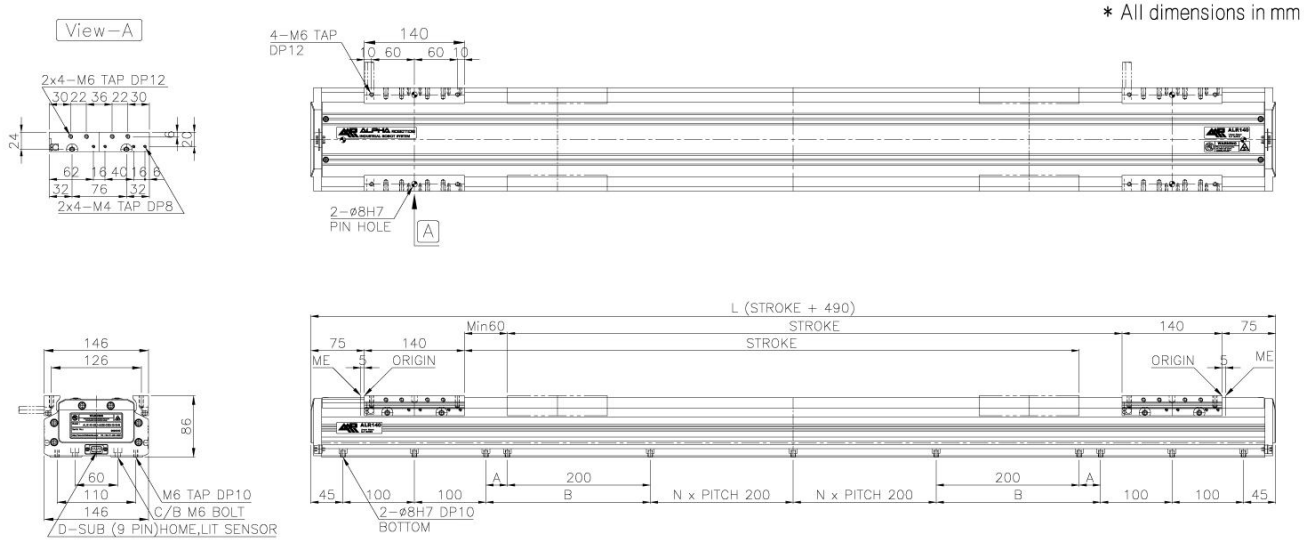
ALR140-1S1

* All dimensions in mm



ALR140-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR140-1S1-A008	kgf	15.18	21.90	28.63	35.35	48.81	(1.35)
ALR140-2S1-A008	kgf	20.76	27.48	34.21	40.93	54.39	(1.35)

CAUTION

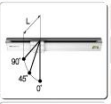
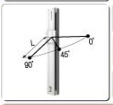
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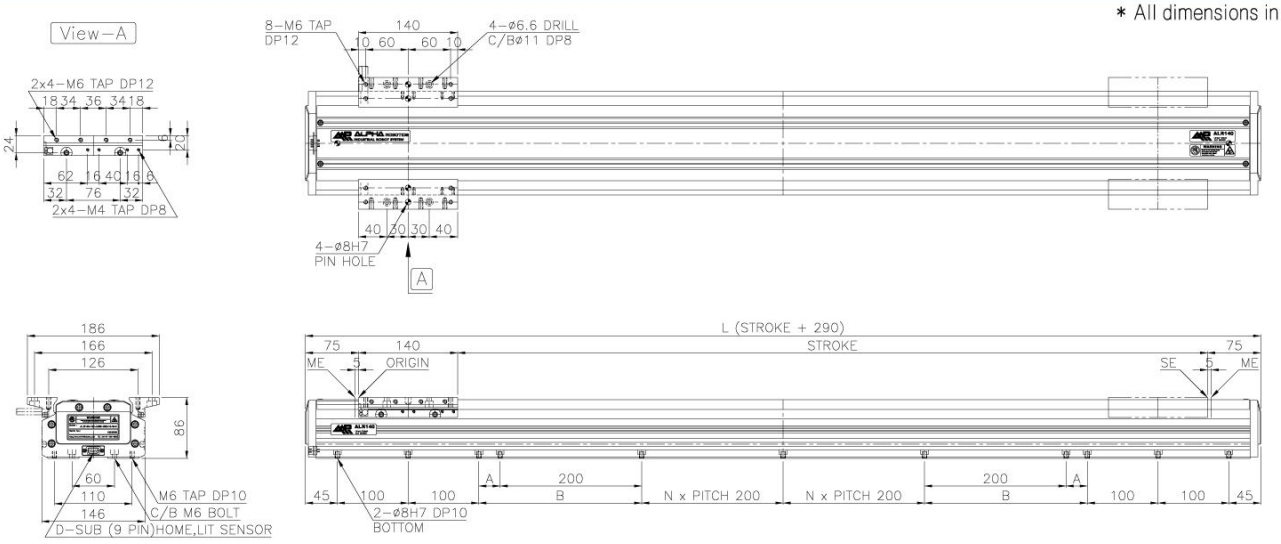
Model / Peak Force	ALR140-1S1 A008 86N	ALR140-1S2 A008 86N	ALR140-1S3 A008 86N	ALR140-1S1 A012 125N	ALR140-1S2 A012 125N	ALR140-1S3 A012 125N		

Specification	Unit	Data
ALR140-1S2-A008		ALR140-2S2-A008
		
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1000
Max. Load	kgf	Note3 40
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	10	5	3	2
Allowable Overhang Distance - mm	Horizontal Use 	0°	700	700	700	700
		45°	700	700	700	700
		90°	700	700	700	700
	Wall Installation Use 	0°	700	700	700	700
		45°	700	700	700	700
		90°	670	700	700	700
	Note4 Vertical Use 	0°	700	700	700	700
		45°	640	700	700	700
		90°	700	700	700	700
Note5	Estimated Condition		Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm	

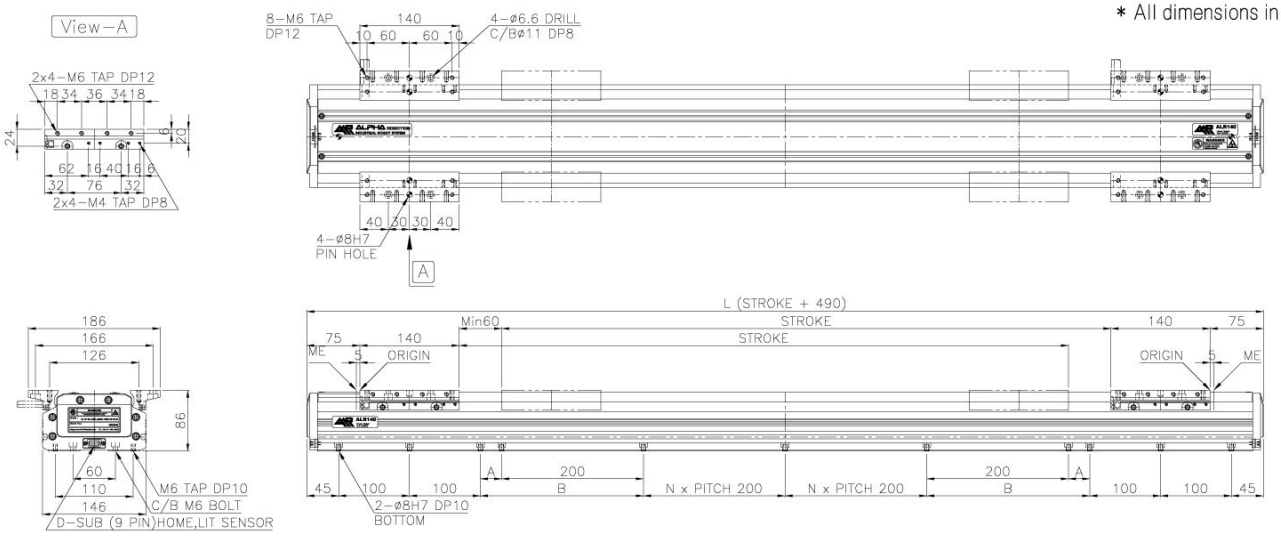
ALR140-1S2

* All dimensions in mm



ALR140-2S2

* All dimensions in mm



Model / Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR140-1S2-A008	kgf	15.18	21.90	28.63	35.35	48.81	(1.35)
ALR140-2S2-A008	kgf	20.76	27.48	34.21	40.93	54.39	(1.35)

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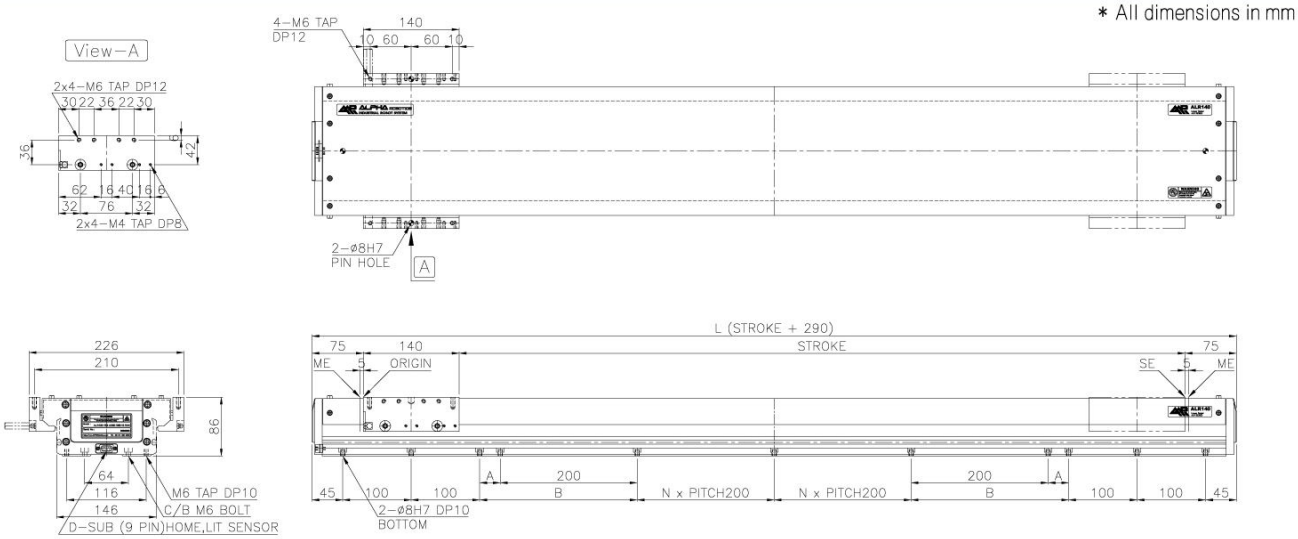
Model / Peak Force	ALR140-1S1 A008 86N	ALR140-1S2 A008 86N	ALR140-1S3 A008 86N	ALR140-1S1 A012 125N	ALR140-1S2 A012 125N	ALR140-1S3 A012 125N		

Specification	Unit	Data
ALR140-1S3-A008		ALR140-2S3-A008
		
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1000
Max. Load	kgf	Note3 40
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	9	5	2	1
Allowable Overhang Distance - mm	Horizontal Use	0°	700	700	700	700
		45°	700	700	700	700
		90°	700	700	700	700
	Wall Installation Use	0°	700	700	700	700
		45°	700	700	700	700
		90°	700	700	700	700
	Note4 Vertical Use	0°	700	700	700	700
		45°	700	700	700	700
		90°	700	700	700	700
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

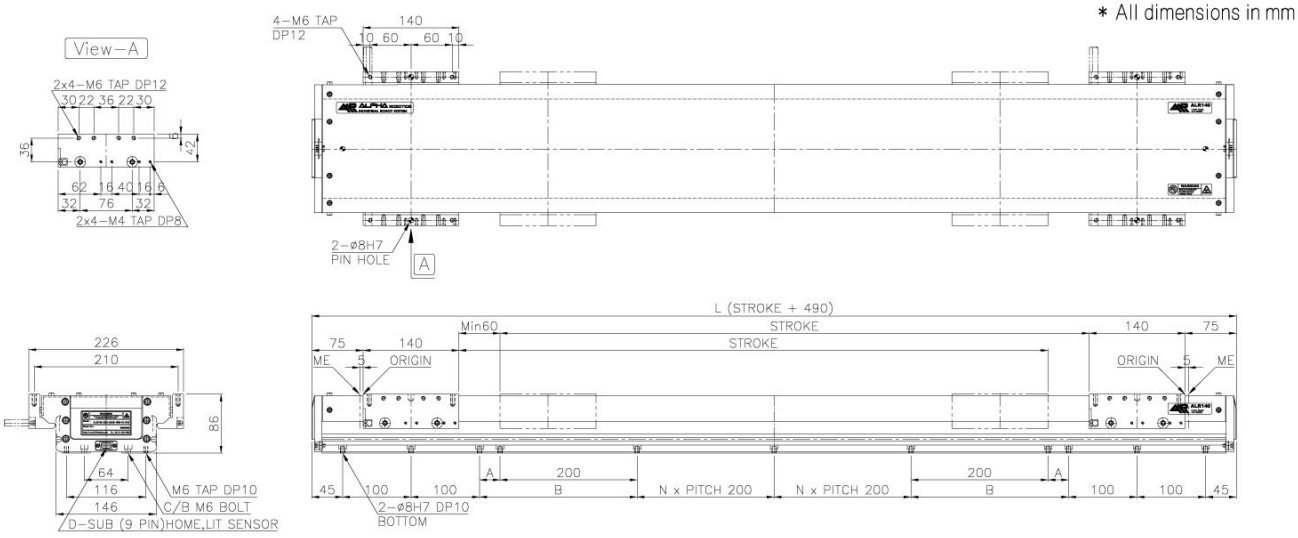
ALR140-1S3

* All dimensions in mm



ALR140-2S3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR140-1S3-A008	kgf	16.00	22.53	29.06	35.59	48.65	(1.31)
ALR140-2S3-A008	kgf	22.61	29.14	35.67	42.20	55.26	(1.31)

CAUTION

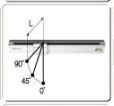
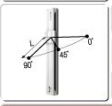
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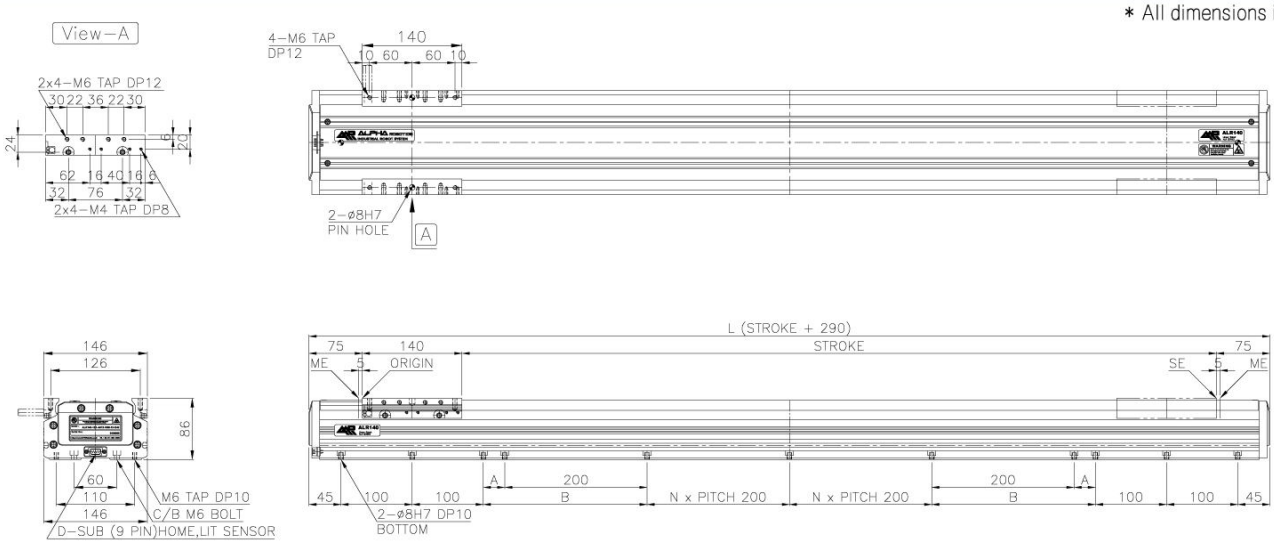
Model / Peak Force	ALR140-1S1 A008 86N	ALR140-1S2 A008 86N	ALR140-1S3 A008 86N	ALR140-1S1 A012 125N	ALR140-1S2 A012 125N	ALR140-1S3 A012 125N		

Specification	Unit	Data
ALR140-1S1-A012		ALR140-2S1-A012
		
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1000
Max. Load	kgf	Note3 65
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	17	10	7	4
Allowable Overhang Distance - mm	Horizontal Use 	0°	675	700	700	700
		45°	640	700	700	700
		90°	700	700	700	700
	Wall Installation Use 	0°	660	700	700	700
		45°	700	700	700	700
		90°	360	570	700	700
	Note4 Vertical Use 	0°	700	700	700	700
		45°	350	545	700	700
		90°	700	700	700	700
Note5	Estimated Condition		Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm	

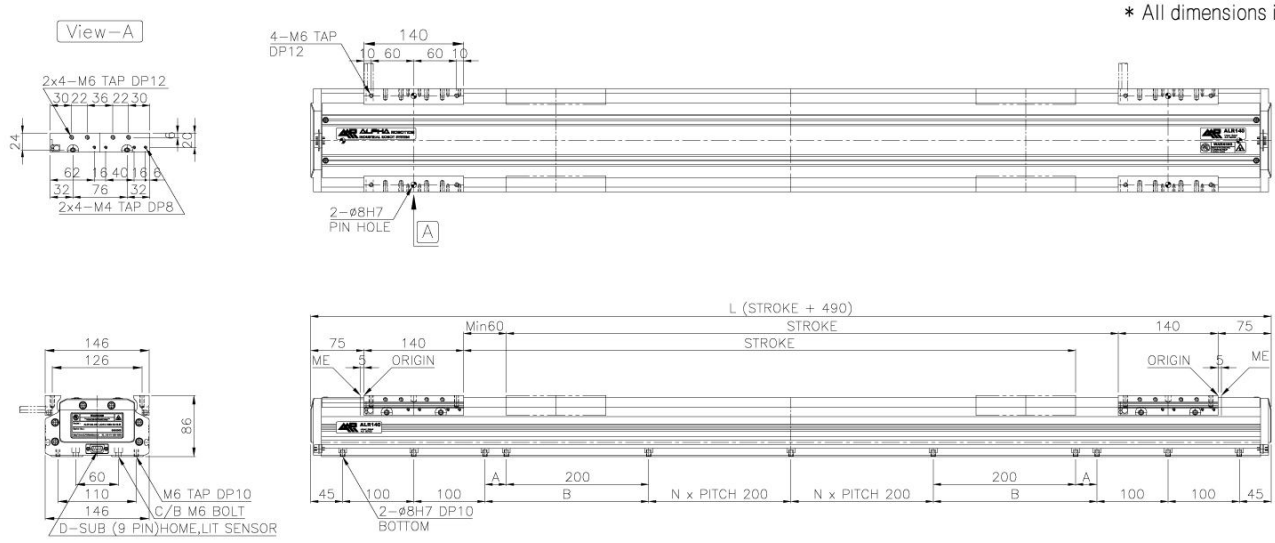
ALR140-1S1

* All dimensions in mm



ALR140-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR140-1S1-A012	kgf	15.38	22.10	28.83	35.55	49.01	(1.35)
ALR140-2S1-A012	kgf	21.16	27.88	34.61	41.33	54.79	(1.35)

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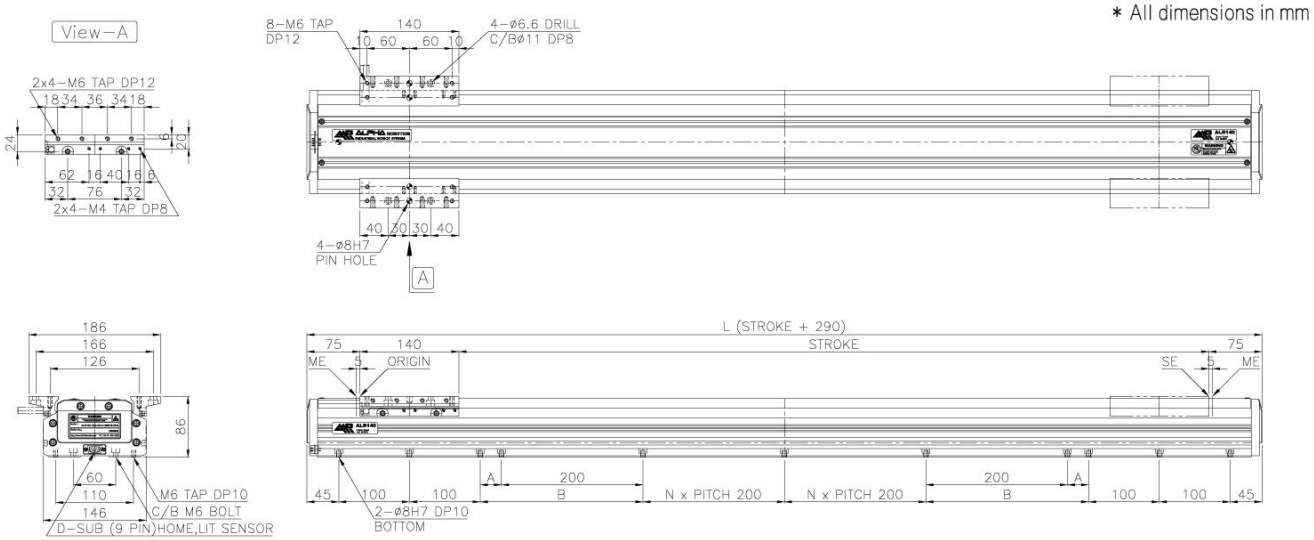
Model / Peak Force	ALR140-1S1 A008 86N	ALR140-1S2 A008 86N	ALR140-1S3 A008 86N	ALR140-1S1 A012 125N	ALR140-1S2 A012 125N	ALR140-1S3 A012 125N		

Specification	Unit	Data
ALR140-1S2-A012		ALR140-2S2-A012
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1000
Max. Load	kgf	Note3 65
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	17	10	7	4
Allowable Overhang Distance - mm	Horizontal Use	0°	675	700	700	700
		45°	640	700	700	700
		90°	700	700	700	700
	Wall Installation Use	0°	660	700	700	700
		45°	700	700	700	700
		90°	360	570	700	700
	Note4 Vertical Use	0°	700	700	700	700
		45°	350	545	700	700
		90°	700	700	700	700
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

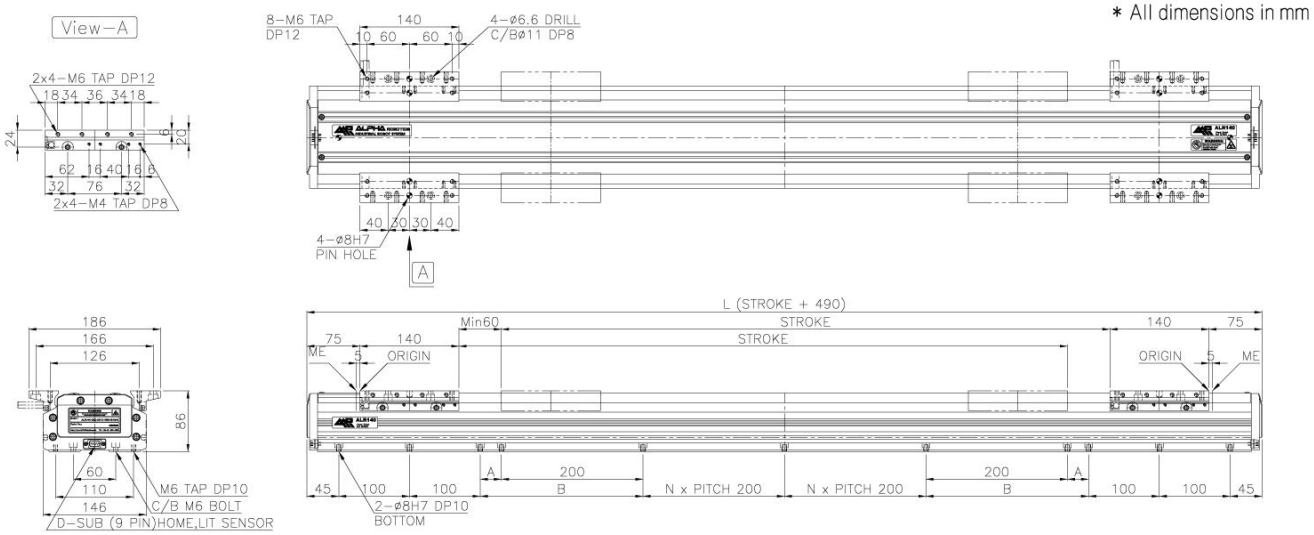
ALR140-1S2

* All dimensions in mm



ALR140-2S2

* All dimensions in mm



Model / Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR140-1S2-A012	kgf	15.38	22.10	28.83	35.55	49.01	(1.35)
ALR140-2S2-A012	kgf	21.16	27.88	34.61	41.33	54.79	(1.35)

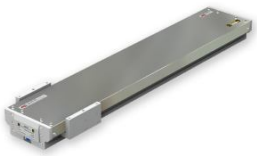
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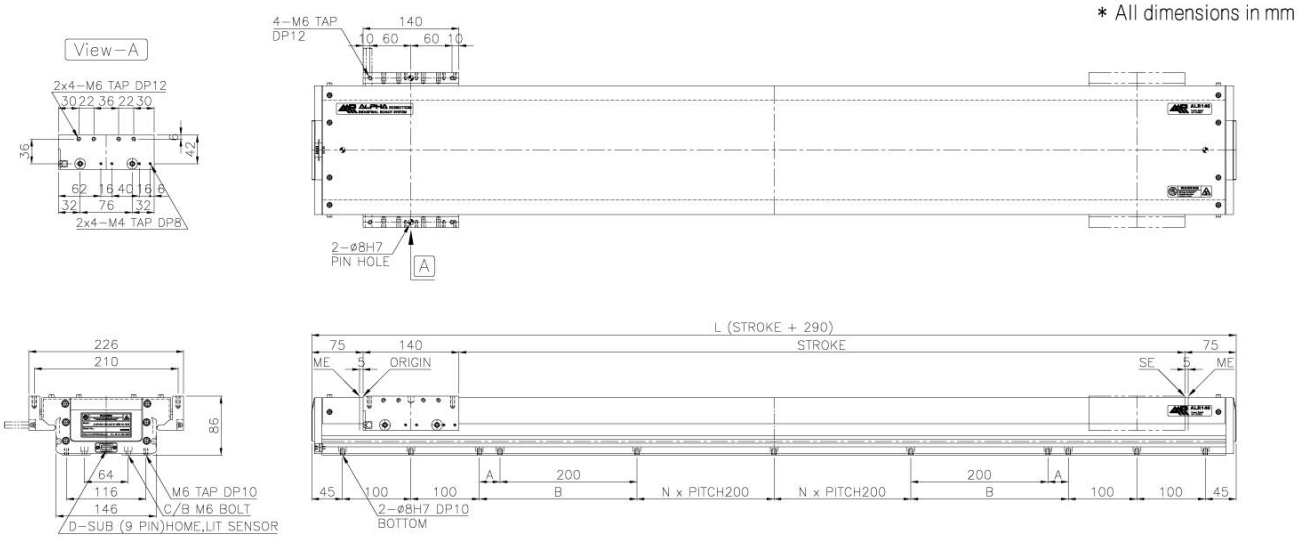
Model / Peak Force	ALR140-1S1 A008 86N	ALR140-1S2 A008 86N	ALR140-1S3 A008 86N	ALR140-1S1 A012 125N	ALR140-1S2 A012 125N	ALR140-1S3 A012 125N

Specification	Unit	Data
ALR140-1S3-A012		ALR140-2S3-A012
		
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1000
Max. Load	kgf	Note3 65
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	16	9	6	3
Allowable Overhang Distance - mm	Horizontal Use	0°	700	700	700	700
		45°	670	700	700	700
		90°	700	700	700	700
	Wall Installation Use	0°	690	700	700	700
		45°	700	700	700	700
		90°	375	625	700	700
	Note4 Vertical Use	0°	700	700	700	700
		45°	370	600	700	700
		90°	700	700	700	700
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

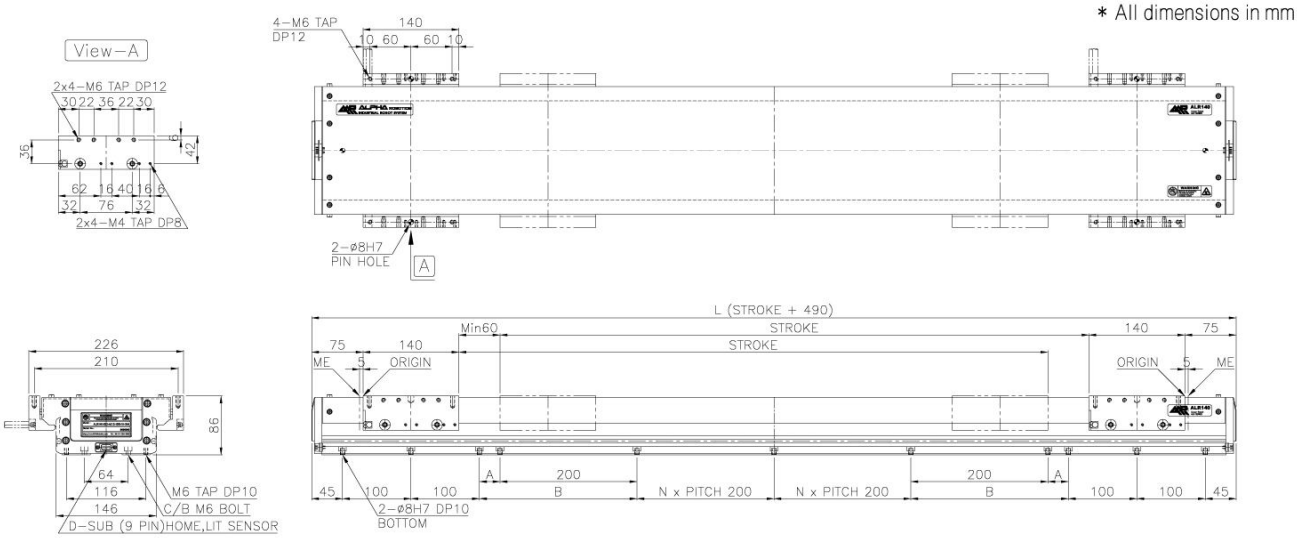
ALR140-1S3

* All dimensions in mm



ALR140-2S3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR140-1S3-A012	kgf	16.20	22.73	29.26	35.79	48.85	(1.31)
ALR140-2S3-A012	kgf	23.01	29.54	36.07	42.60	55.66	(1.31)

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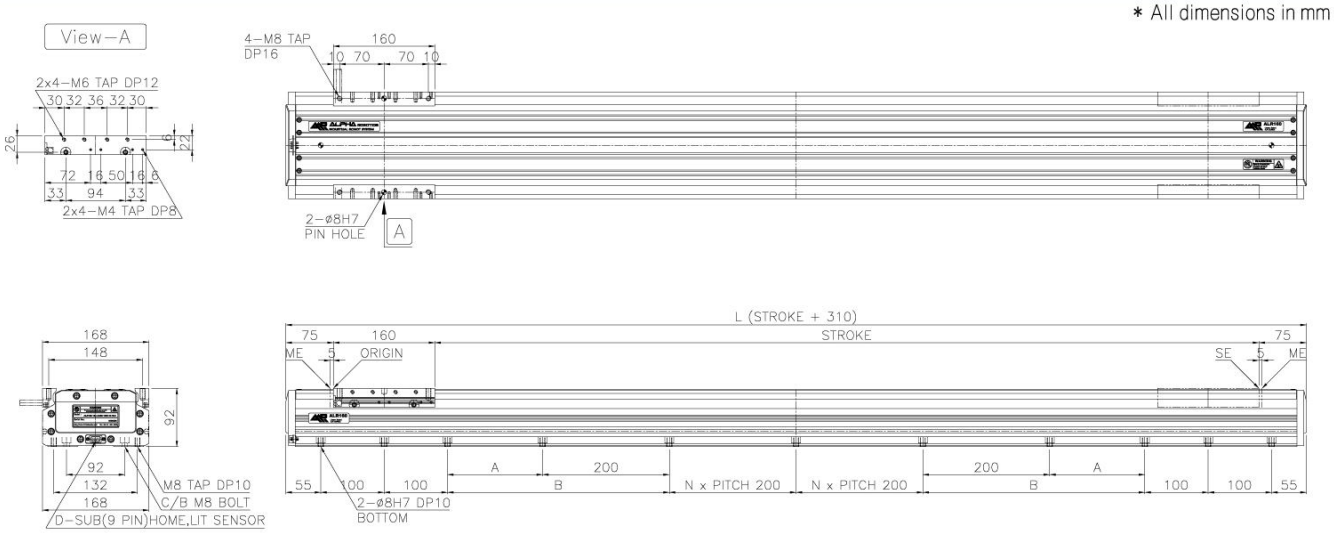
Model / Peak Force	ALR160-1S1 A008 86N	ALR160-1S2 A008 86N	ALR160-1S3 A008 86N	ALR160-1S1 A012 125N	ALR160-1S2 A012 125N	ALR160-1S3 A012 125N	ALR160-1S1 A022 220N	ALR160-1S2 A022 220N	ALR160-1S3 A022 220N	ALR160-1S1 A044 440N	ALR160-1S2 A044 440N	ALR160-1S3 A044 440N

Specification	Unit	Data
ALR160-1S1-A008		ALR160-2S1-A008
		
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1500
Max. Load	kgf	Note3 40
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	10	5	3	1
Allowable Overhang Distance - mm	Horizontal Use	0°	800	800	800	800
		45°	800	800	800	800
		90°	800	800	800	800
	Wall Installation Use	0°	800	800	800	800
		45°	800	800	800	800
		90°	800	800	800	800
	Note4 Vertical Use	0°	800	800	800	800
		45°	800	800	800	800
		90°	800	800	800	800
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

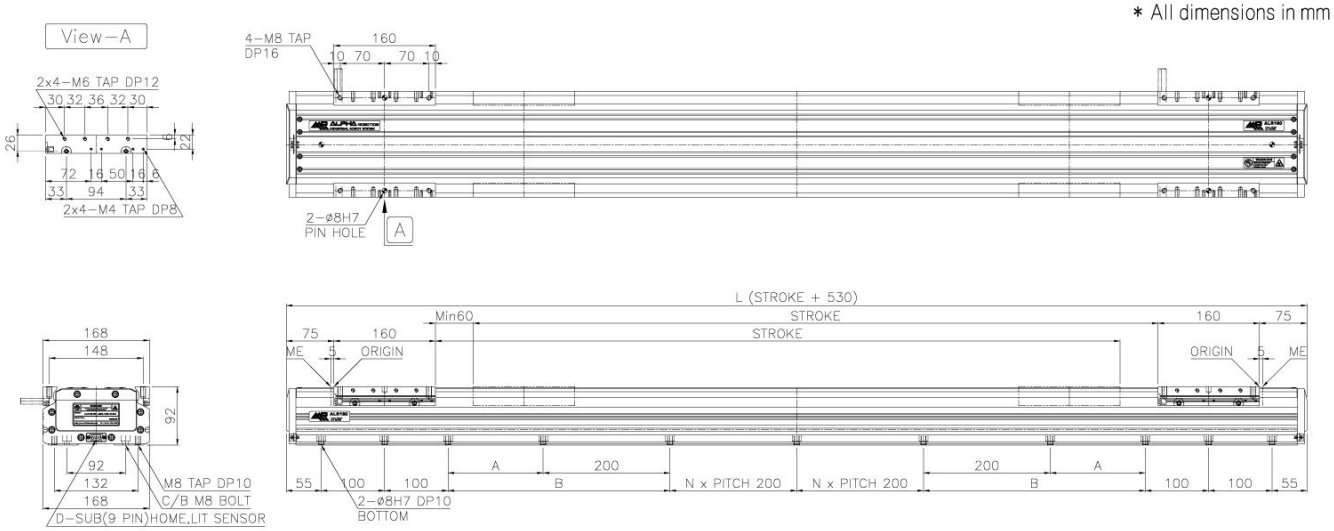
ALR160-1S1

* All dimensions in mm



ALR160-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR160-1S1-A008	kgf	20.83	30.54	40.24	49.95	69.35	(1.94)
ALR160-2S1-A008	kgf	28.39	38.10	47.80	57.51	76.91	(1.94)

CAUTION

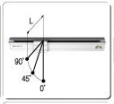
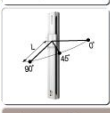
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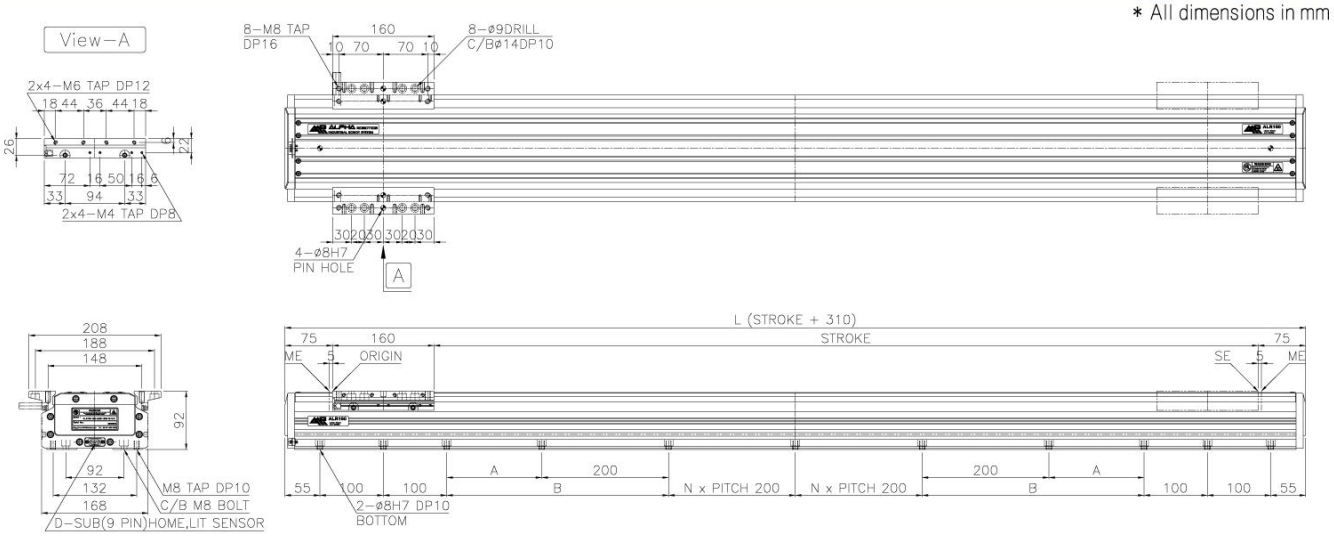
Model / Peak Force	ALR160-1S1 A008 86N	ALR160-1S2 A008 86N	ALR160-1S3 A008 86N	ALR160-1S1 A012 125N	ALR160-1S2 A012 125N	ALR160-1S3 A012 125N	ALR160-1S1 A022 220N	ALR160-1S2 A022 220N	ALR160-1S3 A022 220N	ALR160-1S1 A044 440N	ALR160-1S2 A044 440N	ALR160-1S3 A044 440N

Specification	Unit	Data
ALR160-1S2-A008 		ALR160-2S2-A008 
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1500
Max. Load	kgf	Note3 40
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	10	5	3	1
Allowable Overhang Distance - mm	Horizontal Use 	0°	800	800	800	800
		45°	800	800	800	800
		90°	800	800	800	800
	Wall Installation Use 	0°	800	800	800	800
		45°	800	800	800	800
		90°	800	800	800	800
	Note4 Vertical Use 	0°	800	800	800	800
		45°	800	800	800	800
		90°	800	800	800	800
Note5	Estimated Condition		Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm	

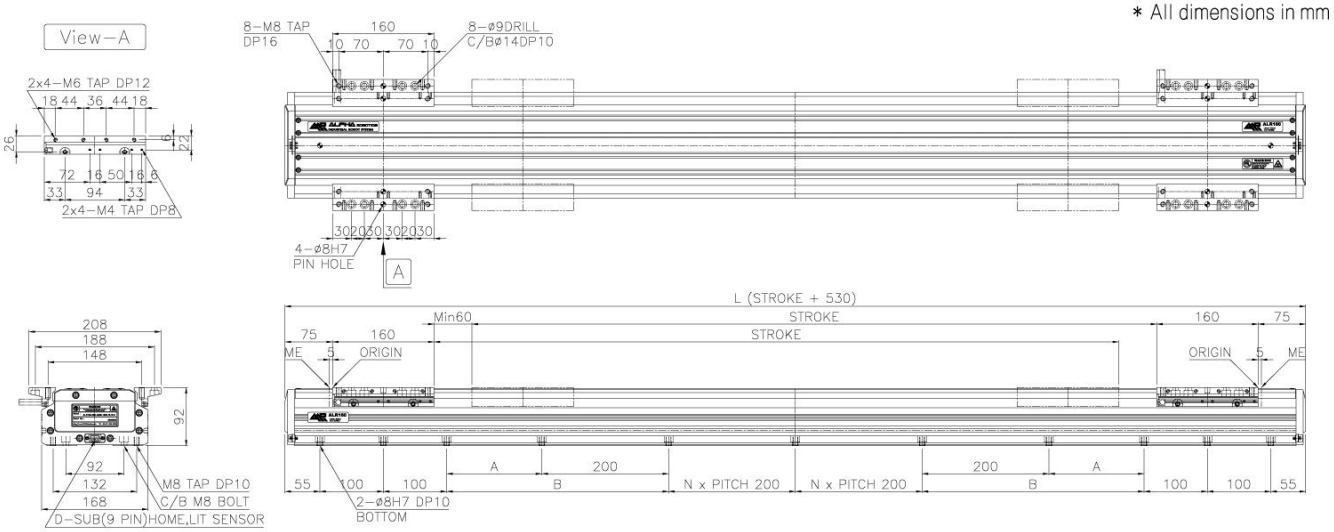
ALR160-1S2

* All dimensions in mm



ALR160-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR160-1S2-A008	kgf	20.83	30.54	40.24	49.95	69.35	(1.94)
ALR160-2S2-A008	kgf	28.39	38.10	47.80	57.51	76.91	(1.94)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
NOTE3 It is differed by an operating conditions.
NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

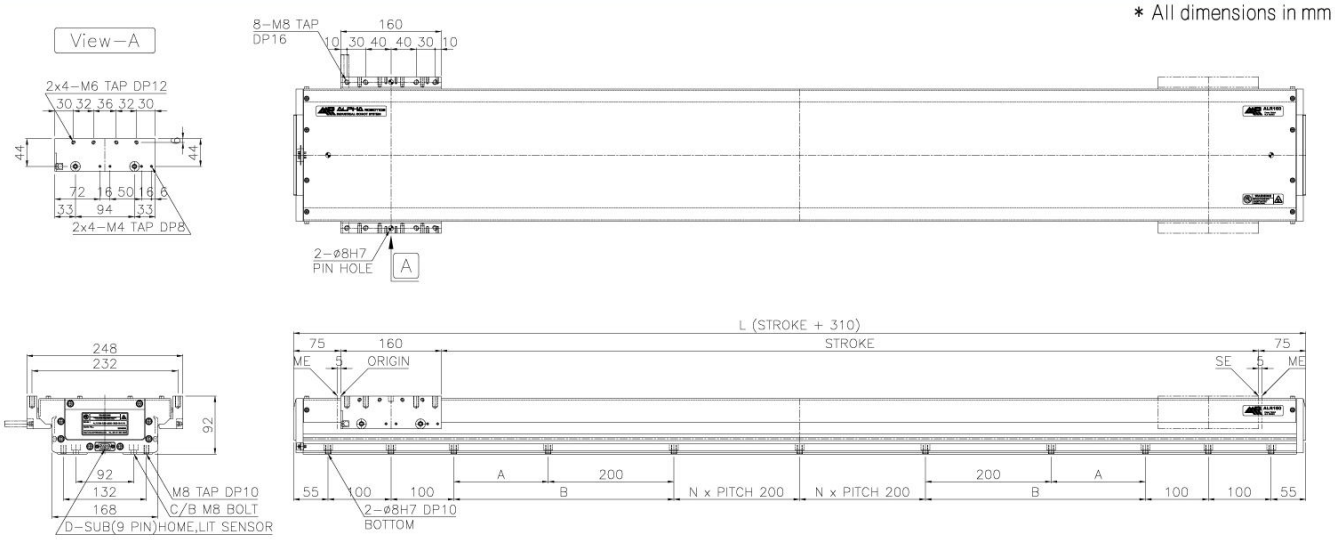
Model / Peak Force	ALR160-1S1 A008 86N	ALR160-1S2 A008 86N	ALR160-1S3 A008 86N	ALR160-1S1 A012 125N	ALR160-1S2 A012 125N	ALR160-1S3 A012 125N	ALR160-1S1 A022 220N	ALR160-1S2 A022 220N	ALR160-1S3 A022 220N	ALR160-1S1 A044 440N	ALR160-1S2 A044 440N	ALR160-1S3 A044 440N

Specification	Unit	Data
ALR160-1S3-A008		ALR160-2S3-A008
		
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1500
Max. Load	kgf	Note3 40
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	9	4	2	1
Allowable Overhang Distance - mm	Horizontal Use	0°	800	800	800	800
		45°	800	800	800	800
		90°	800	800	800	800
	Wall Installation Use	0°	800	800	800	800
		45°	800	800	800	800
		90°	800	800	800	800
	Note4 Vertical Use	0°	800	800	800	800
		45°	800	800	800	800
		90°	800	800	800	800
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

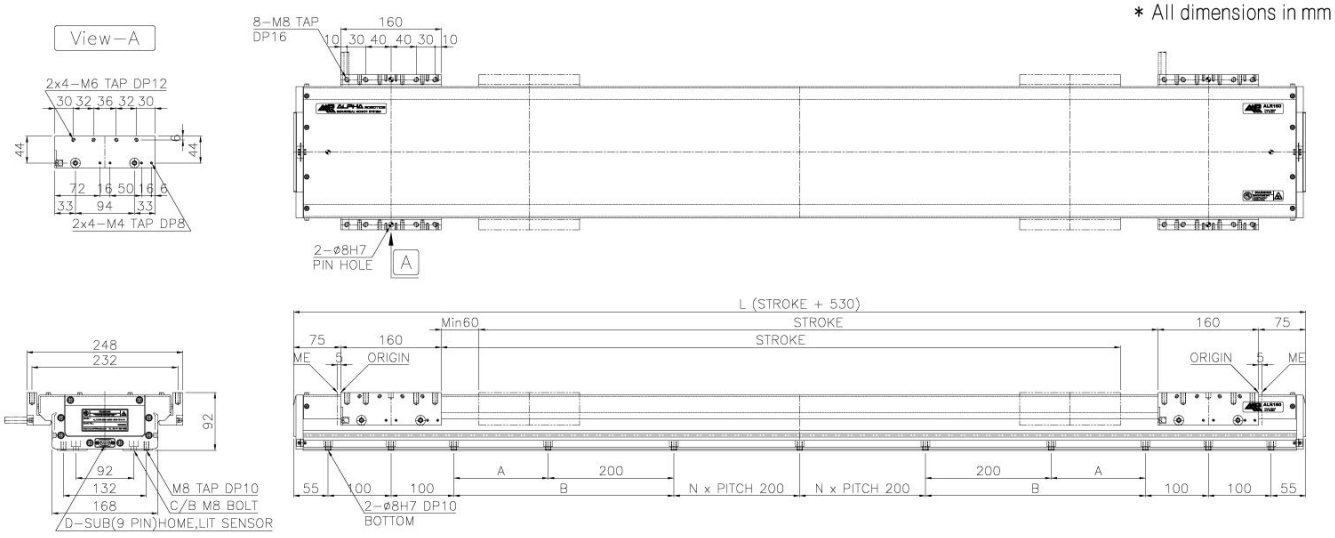
ALR160-1S3

* All dimensions in mm



ALR160-2S3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR160-1S3-A008	kgf	21.74	31.30	40.87	50.44	69.58	(1.91)
ALR160-2S3-A008	kgf	30.35	39.91	49.48	59.05	78.19	(1.91)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
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NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

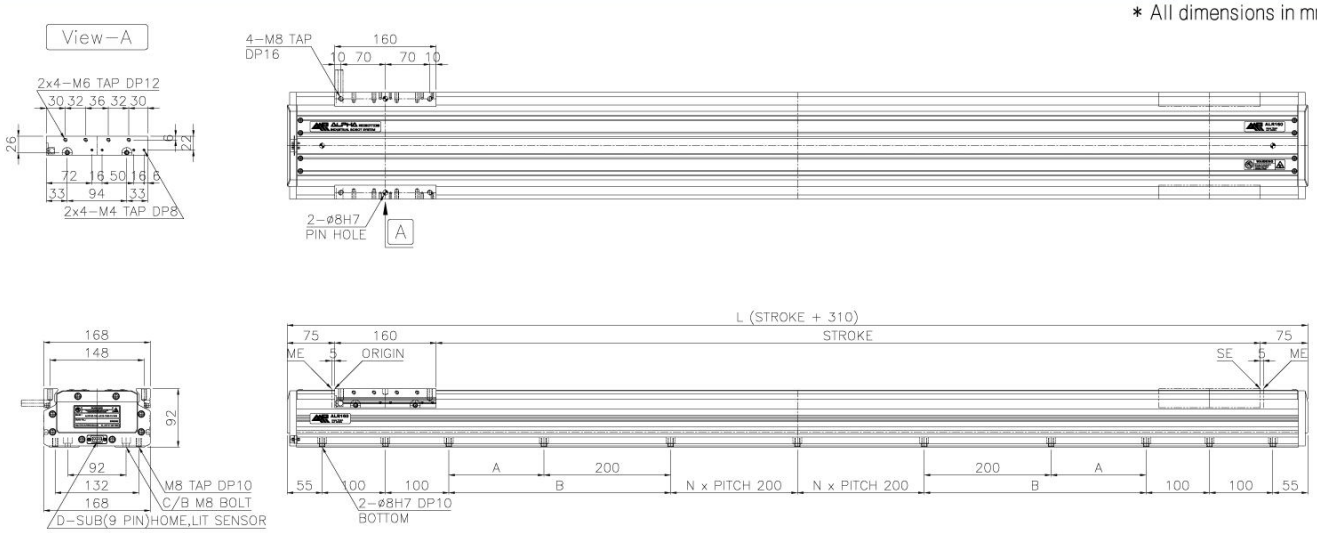
Model / Peak Force	ALR160-1S1 A008 86N	ALR160-1S2 A008 86N	ALR160-1S3 A008 86N	ALR160-1S1 A012 125N	ALR160-1S2 A012 125N	ALR160-1S3 A012 125N	ALR160-1S1 A022 220N	ALR160-1S2 A022 220N	ALR160-1S3 A022 220N	ALR160-1S1 A044 440N	ALR160-1S2 A044 440N	ALR160-1S3 A044 440N

Specification	Unit	Data
ALR160-1S1-A012		ALR160-2S1-A012
		
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1500
Max. Load	kgf	Note3 65
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	17	10	6	4
Allowable Overhang Distance - mm	Horizontal Use	0°	800	800	800	800
		45°	795	800	800	800
		90°	800	800	800	800
	Wall Installation Use	0°	800	800	800	800
		45°	800	800	800	800
		90°	445	720	800	800
	Note4 Vertical Use	0°	800	800	800	800
		45°	435	695	800	800
		90°	800	800	800	800
Note5	Estimated Condition		Max Speed : 2000 mm/sec Life Time : 15000 hr Waiting Time : 0 sec Stroke : 2000 mm			

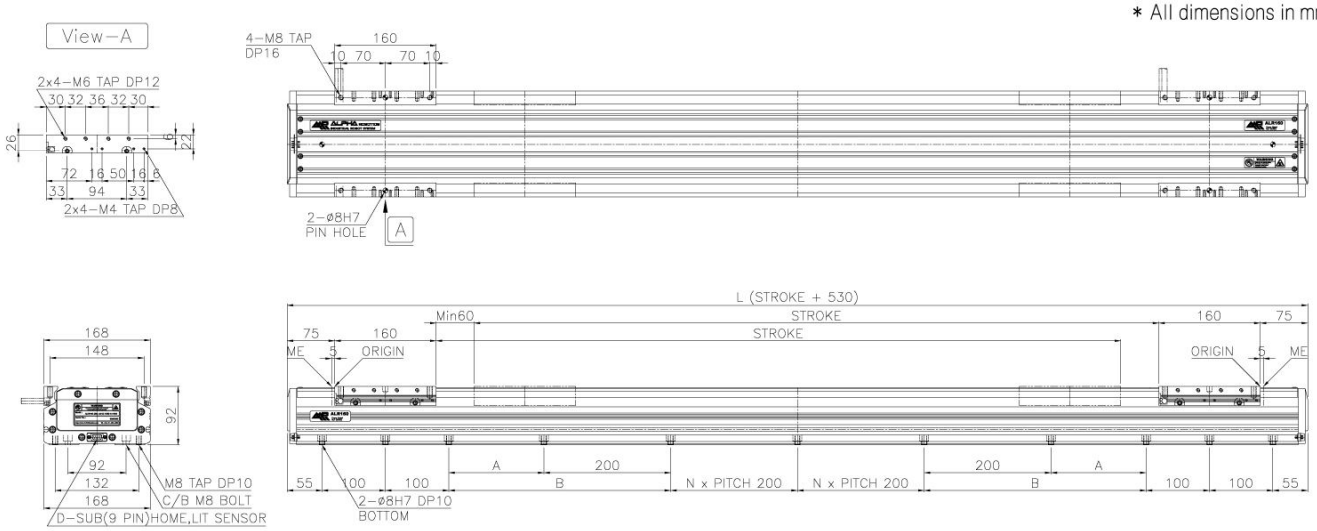
ALR160-1S1

* All dimensions in mm



ALR160-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR160-1S1-A012	kgf	21.03	30.74	40.44	50.15	69.55	(1.94)
ALR160-2S1-A012	kgf	28.79	38.50	48.20	57.91	77.31	(1.94)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
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NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

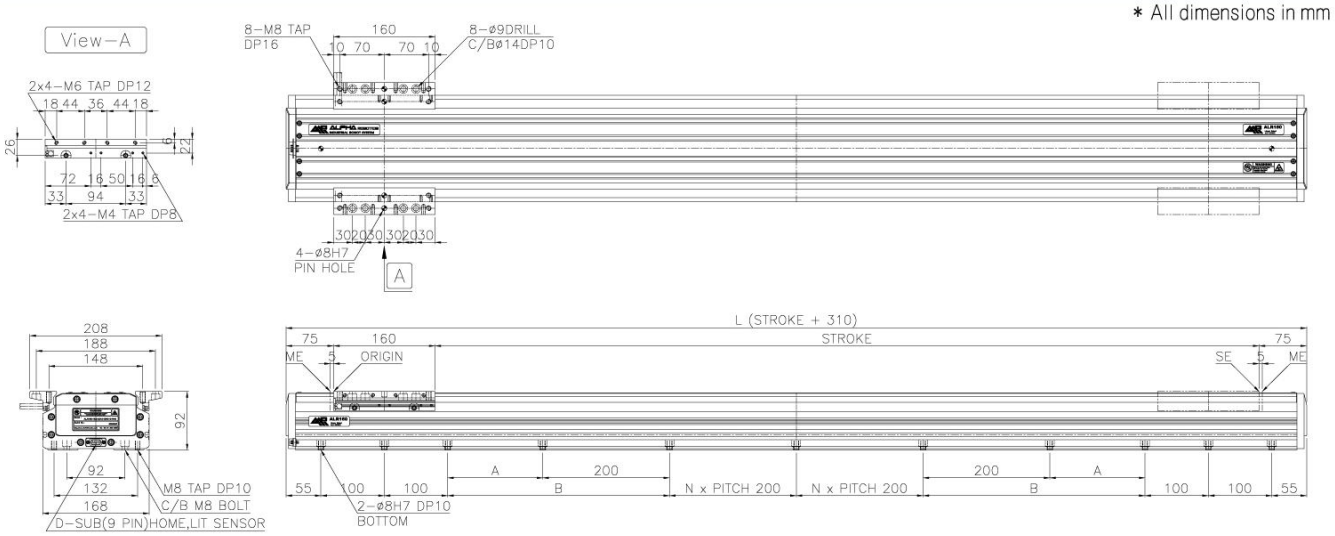
Model / Peak Force	ALR160-1S1 A008 86N	ALR160-1S2 A008 86N	ALR160-1S3 A008 86N	ALR160-1S1 A012 125N	**ALR160-1S2 A012 125N**	ALR160-1S3 A012 125N	ALR160-1S1 A022 220N	ALR160-1S2 A022 220N	ALR160-1S3 A022 220N	ALR160-1S1 A044 440N	ALR160-1S2 A044 440N	ALR160-1S3 A044 440N

Specification	Unit	Data
ALR160-1S2-A012		ALR160-2S2-A012
		
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1500
Max. Load	kgf	Note3 65
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	17	10	6	4
Allowable Overhang Distance - mm	Horizontal Use	0°	800	800	800	800
		45°	795	800	800	800
		90°	800	800	800	800
	Wall Installation Use	0°	800	800	800	800
		45°	800	800	800	800
		90°	445	720	800	800
	Note4 Vertical Use	0°	800	800	800	800
		45°	435	695	800	800
		90°	800	800	800	800
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

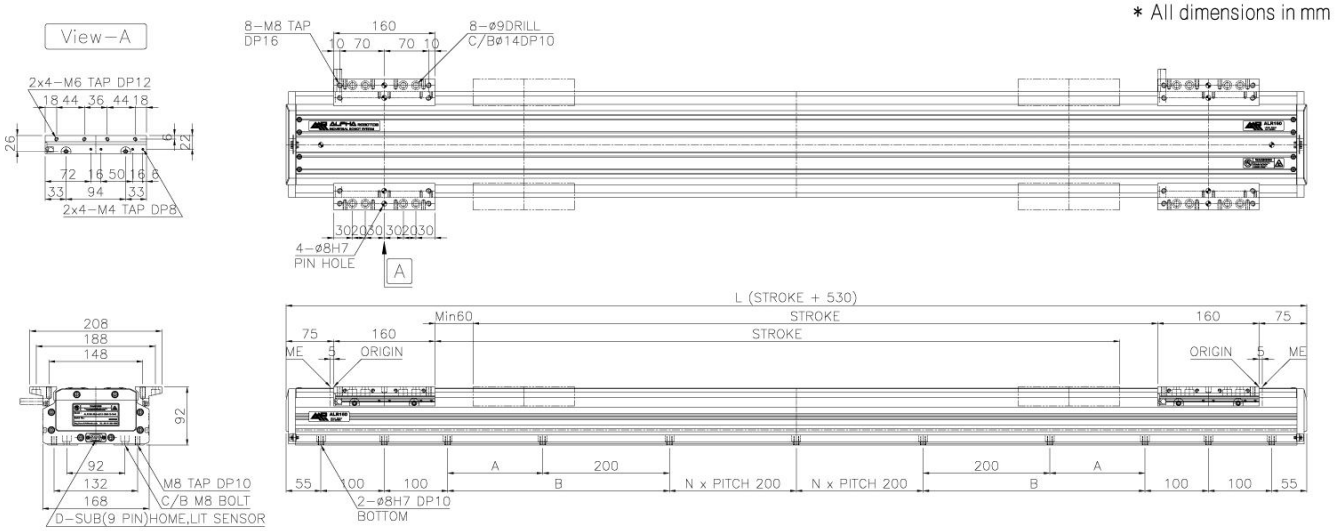
ALR160-1S2

* All dimensions in mm



ALR160-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR160-1S2-A012	kgf	21.03	30.74	40.44	50.15	69.55	(1.94)
ALR160-2S2-A012	kgf	28.79	38.50	48.20	57.91	77.31	(1.94)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
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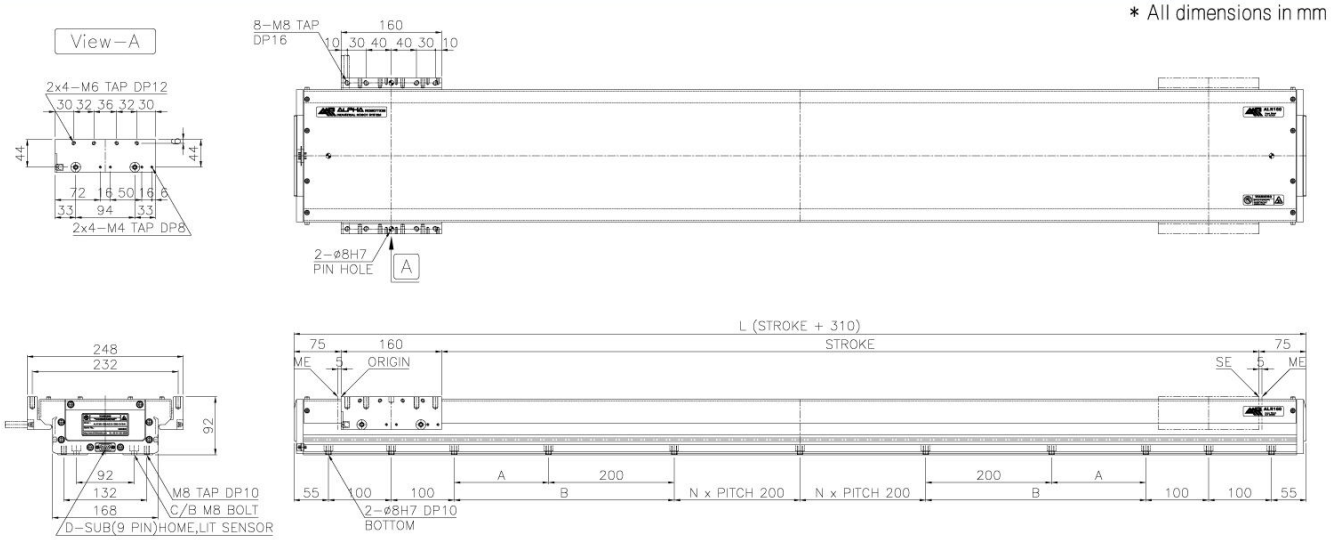
Model / Peak Force	ALR160-1S1 A008 86N	ALR160-1S2 A008 86N	ALR160-1S3 A008 86N	ALR160-1S1 A012 125N	ALR160-1S2 A012 125N	ALR160-1S3 A012 125N	ALR160-1S1 A022 220N	ALR160-1S2 A022 220N	ALR160-1S3 A022 220N	ALR160-1S1 A044 440N	ALR160-1S2 A044 440N	ALR160-1S3 A044 440N

Specification	Unit	Data
ALR160-1S3-A012		ALR160-2S3-A012
		
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1500
Max. Load	kgf	Note3 65
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	16	9	5	3
Allowable Overhang Distance - mm	Horizontal Use	0°	800	800	800	800
		45°	800	800	800	800
		90°	800	800	800	800
	Wall Installation Use	0°	800	800	800	800
		45°	800	800	800	800
		90°	470	800	800	800
	Note4 Vertical Use	0°	800	800	800	800
		45°	460	770	800	800
		90°	800	800	800	800
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

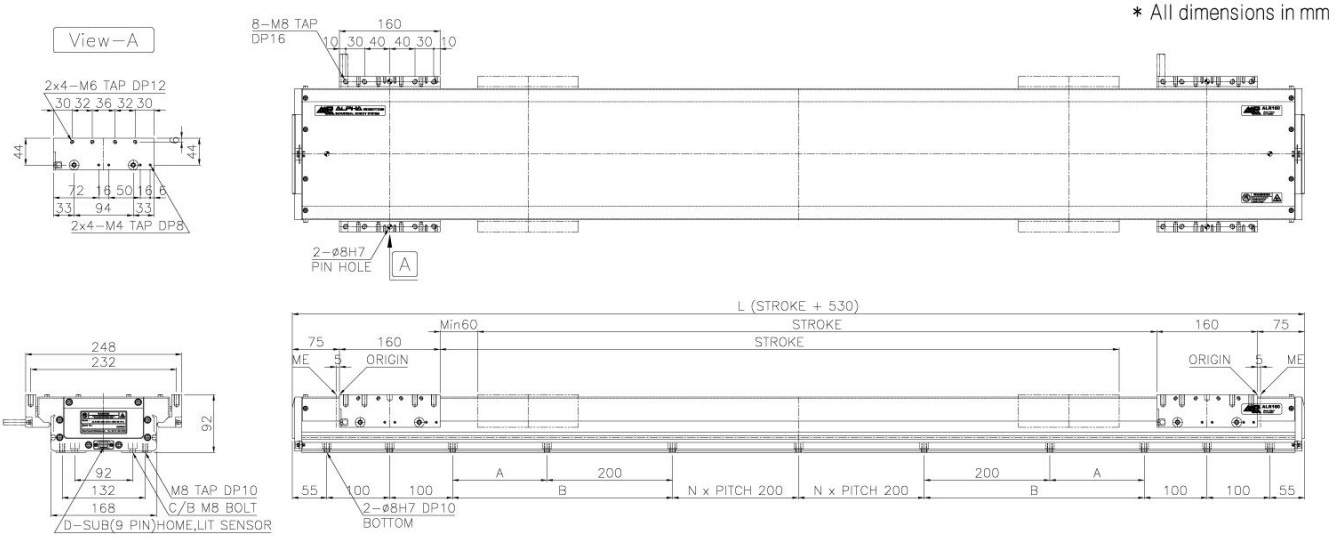
ALR160-1S3

* All dimensions in mm



ALR160-2S3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR160-1S3-A012	kgf	21.94	31.50	41.07	50.64	69.78	(1.91)
ALR160-2S3-A012	kgf	30.75	40.31	49.88	59.45	78.59	(1.91)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
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NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

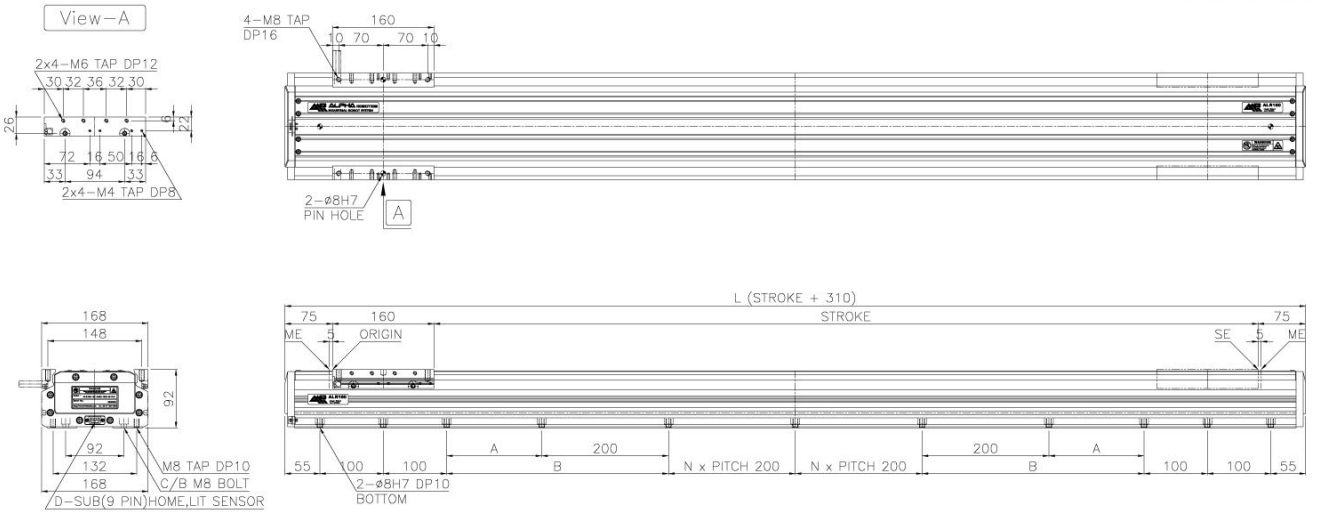
Model / Peak Force	ALR160-1S1 A008 86N	ALR160-1S2 A008 86N	ALR160-1S3 A008 86N	ALR160-1S1 A012 125N	ALR160-1S2 A012 125N	ALR160-1S3 A012 125N	ALR160-1S1 A022 220N	ALR160-1S2 A022 220N	ALR160-1S3 A022 220N	ALR160-1S1 A044 440N	ALR160-1S2 A044 440N	ALR160-1S3 A044 440N

Specification	Unit	Data
ALR160-1S1-A022		ALR160-2S1-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1500
Max. Load	kgf	Note3 80
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	35	21	14	9
Allowable Overhang Distance - mm	Horizontal Use	0°	325	520	710	800
		45°	315	485	640	800
		90°	800	800	800	800
	Wall Installation Use	0°	325	515	700	800
		45°	385	608	800	800
		90°	177	280	380	565
	Note4 Vertical Use	0°	375	565	750	800
		45°	188	280	375	550
		90°	375	565	750	800
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

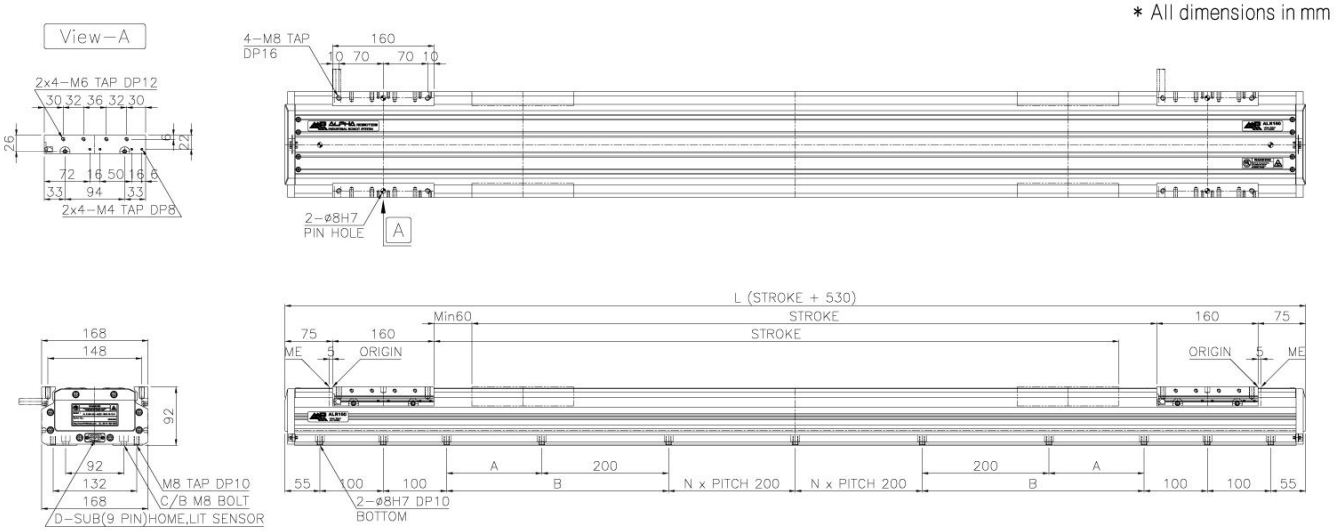
ALR160-1S1

* All dimensions in mm



ALR160-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR160-1S1-A022	kgf	21.43	31.14	40.84	50.55	69.95	(1.94)
ALR160-2S1-A022	kgf	29.59	39.30	49.00	58.71	78.11	(1.94)

CAUTION

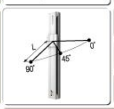
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ME : Mechanical End
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NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
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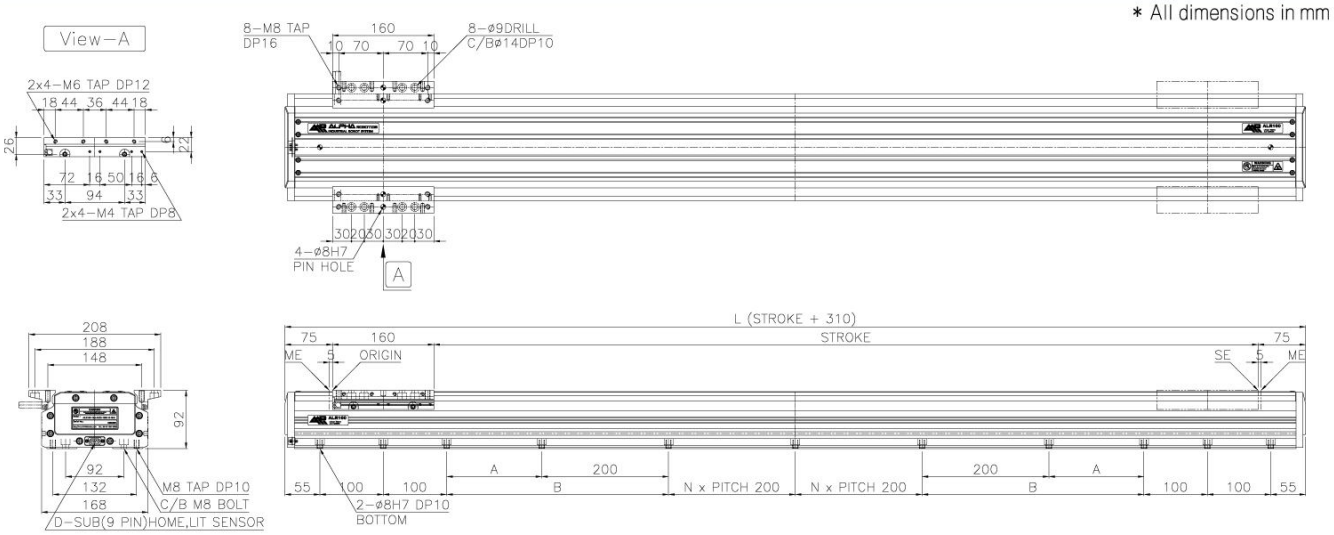
Model / Peak Force	ALR160-1S1 A008 86N	ALR160-1S2 A008 86N	ALR160-1S3 A008 86N	ALR160-1S1 A012 125N	ALR160-1S2 A012 125N	ALR160-1S3 A012 125N	ALR160-1S1 A022 220N	**ALR160-1S2 A022 220N**	ALR160-1S3 A022 220N	ALR160-1S1 A044 440N	ALR160-1S2 A044 440N	ALR160-1S3 A044 440N

Specification	Unit	Data
ALR160-1S2-A022		ALR160-2S2-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1500
Max. Load	kgf	Note3 80
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	35	21	14	9
Allowable Overhang Distance - mm	Horizontal Use 	0°	325	520	710	800
		45°	315	485	640	800
		90°	800	800	800	800
	Wall Installation Use 	0°	325	515	700	800
		45°	385	608	800	800
		90°	177	280	380	565
	Note4 Vertical Use 	0°	375	565	750	800
		45°	188	280	375	550
		90°	375	565	750	800
Note5	Estimated Condition		Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm	

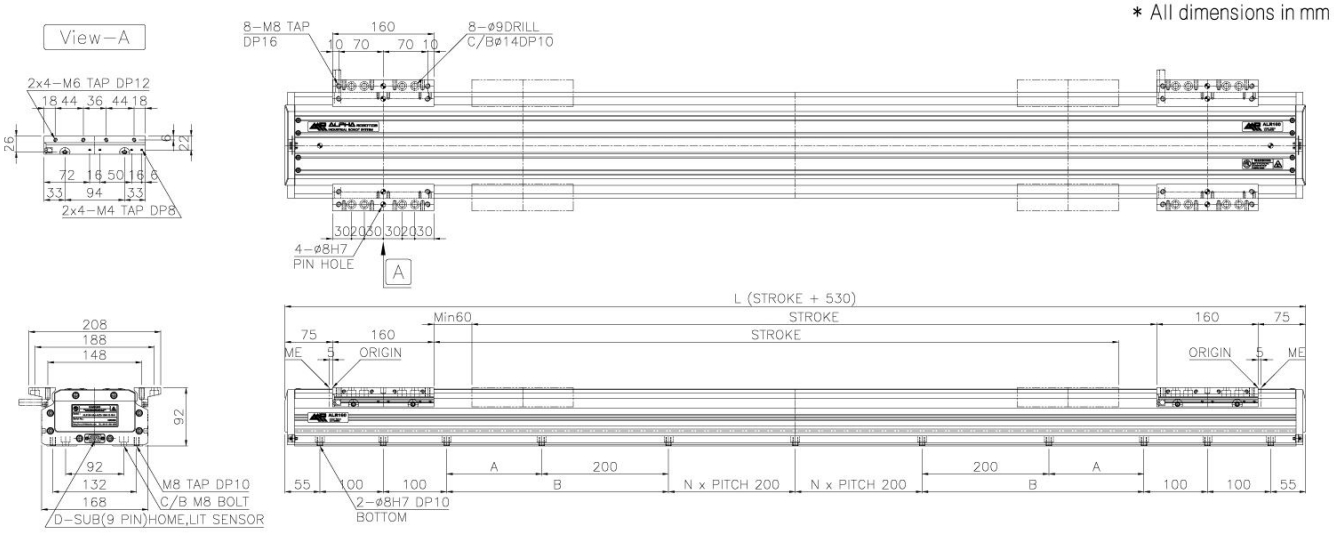
ALR160-1S2

* All dimensions in mm



ALR160-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR160-1S2-A022	kgf	21.43	31.14	40.84	50.55	69.95	(1.94)
ALR160-2S2-A022	kgf	29.59	39.30	49.00	58.71	78.11	(1.94)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

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NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

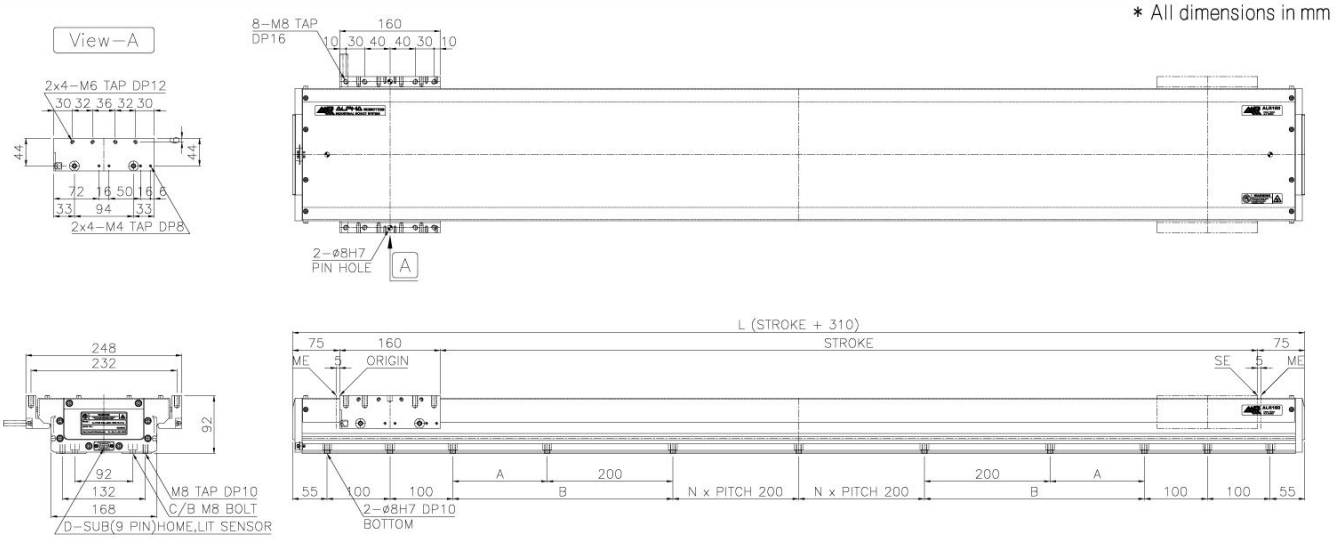
Model / Peak Force	ALR160-1S1 A008 86N	ALR160-1S2 A008 86N	ALR160-1S3 A008 86N	ALR160-1S1 A012 125N	ALR160-1S2 A012 125N	ALR160-1S3 A012 125N	ALR160-1S1 A022 220N	ALR160-1S2 A022 220N	ALR160-1S3 A022 220N	ALR160-1S1 A044 440N	ALR160-1S2 A044 440N	ALR160-1S3 A044 440N

Specification	Unit	Data
ALR160-1S3-A022		ALR160-2S3-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1500
Max. Load	kgf	Note3 80
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	34	20	14	9
Allowable Overhang Distance - mm	Horizontal Use	0°	335	540	750	800
		45°	325	510	690	800
		90°	800	800	800	800
	Wall Installation Use	0°	335	535	750	800
		45°	395	630	800	800
		90°	180	293	400	625
	Note4 Vertical Use	0°	385	590	800	800
		45°	192	295	400	610
		90°	385	590	800	800
Note5 Estimated Condition			Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm	

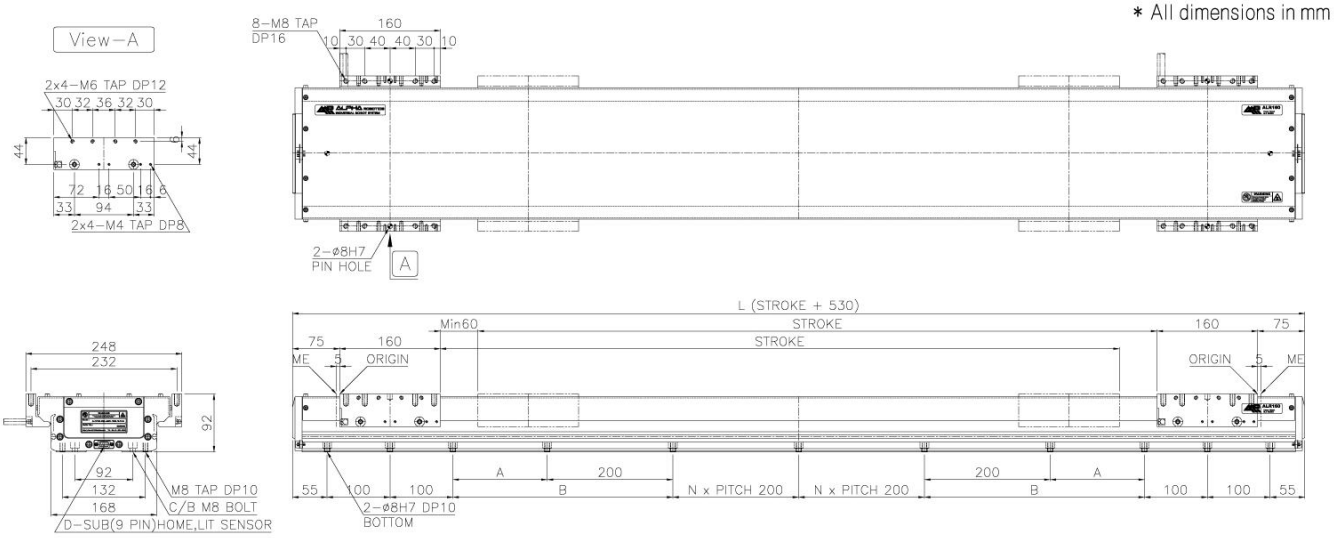
ALR160-1S3

* All dimensions in mm



ALR160-2S3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR160-1S3-A022	kgf	22.34	31.90	41.47	51.04	70.18	(1.91)
ALR160-2S3-A022	kgf	31.55	41.11	50.68	60.25	79.39	(1.91)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
NOTE3 It is differed by an operating conditions.
NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

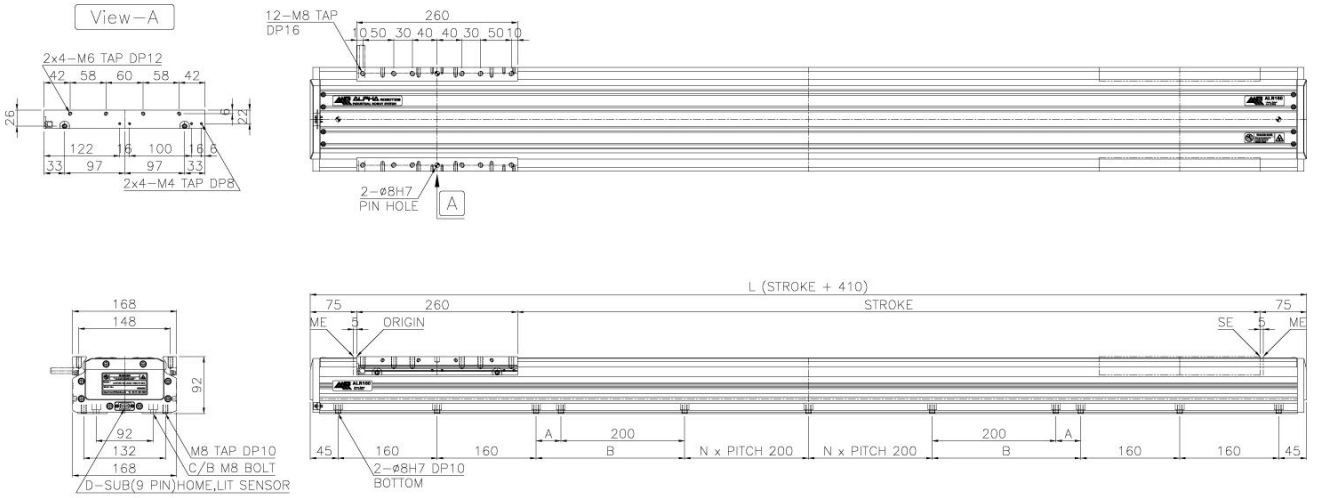
Model / Peak Force	ALR160-1S1 A008 86N	ALR160-1S2 A008 86N	ALR160-1S3 A008 86N	ALR160-1S1 A012 125N	ALR160-1S2 A012 125N	ALR160-1S3 A012 125N	ALR160-1S1 A022 220N	ALR160-1S2 A022 220N	ALR160-1S3 A022 220N	ALR160-1S1 A044 440N	ALR160-1S2 A044 440N	ALR160-1S3 A044 440N

Specification	Unit	Data
ALR160-1S1-A044		ALR160-2S1-A044
		
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1500
Max. Load	kgf	Note3 80
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	75	46	33	22
Allowable Overhang Distance - mm	Horizontal Use	0°	81	145	205	310
		45°	80	140	200	300
		90°	800	800	800	800
	Wall Installation Use	0°	140	250	350	540
		45°	87	155	220	340
		90°	54	95	135	210
	Note4 Vertical Use	0°	250	355	460	650
		45°	124	178	230	320
		90°	250	355	460	650
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

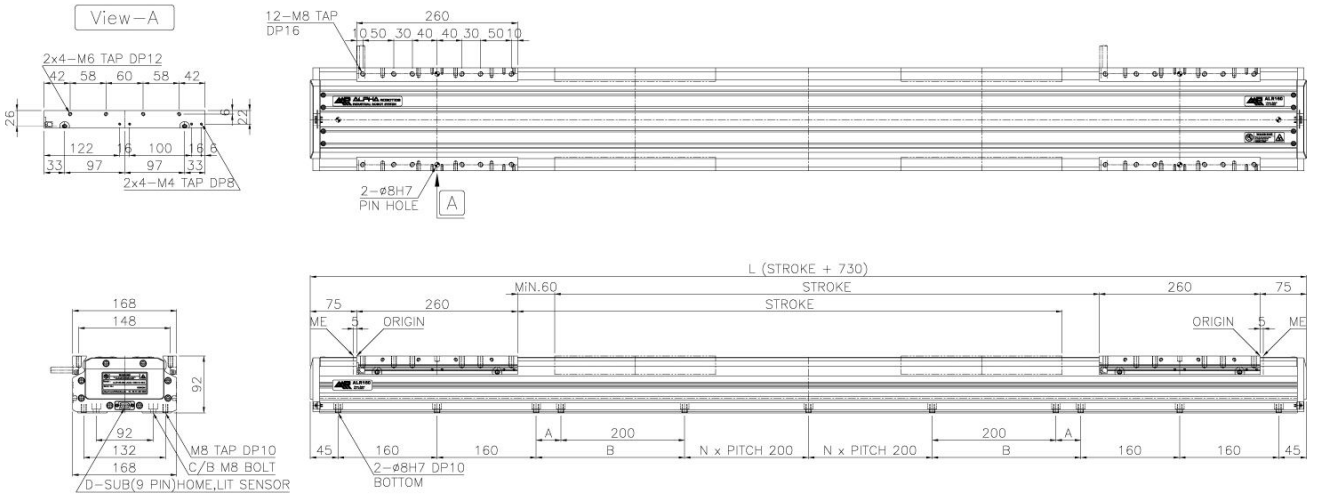
ALR160-1S1

* All dimensions in mm



ALR160-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR160-1S1-A044	kgf	25.38	35.09	44.79	54.50	73.90	(1.94)
ALR160-2S1-A044	kgf	35.55	45.26	54.96	64.67	84.07	(1.94)

CAUTION

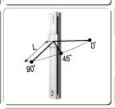
Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
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NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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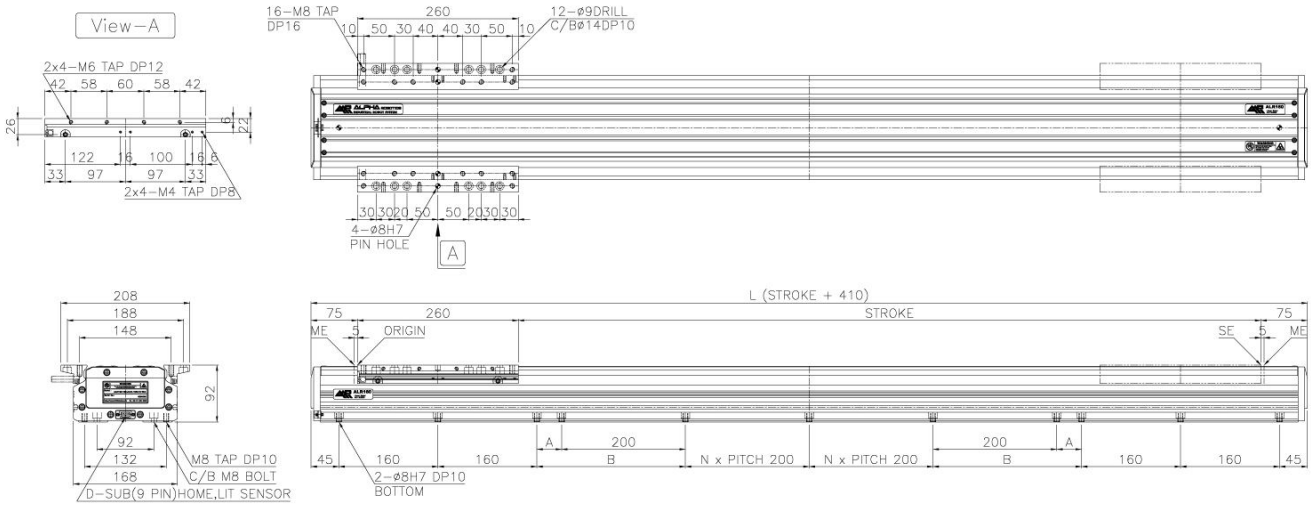
Model / Peak Force	ALR160-1S1 A008 86N	ALR160-1S2 A008 86N	ALR160-1S3 A008 86N	ALR160-1S1 A012 125N	ALR160-1S2 A012 125N	ALR160-1S3 A012 125N	ALR160-1S1 A022 220N	ALR160-1S2 A022 220N	ALR160-1S3 A022 220N	ALR160-1S1 A044 440N	ALR160-1S2 A044 440N	ALR160-1S3 A044 440N

Specification	Unit	Data
ALR160-1S2-A044		ALR160-2S2-A044
		
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1500
Max. Load	kgf	Note3 80
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	75	46	33	22
Allowable Overhang Distance - mm	Horizontal Use 	0°	81	145	205	310
		45°	80	140	200	300
		90°	800	800	800	800
	Wall Installation Use 	0°	140	250	350	540
		45°	87	155	220	340
		90°	54	95	135	210
	Note4 Vertical Use 	0°	250	355	460	650
		45°	124	178	230	320
		90°	250	355	460	650
Note5	Estimated Condition		Max Speed : 2000 mm/sec Life Time : 15000 hr Waiting Time : 0 sec Stroke : 2000 mm			

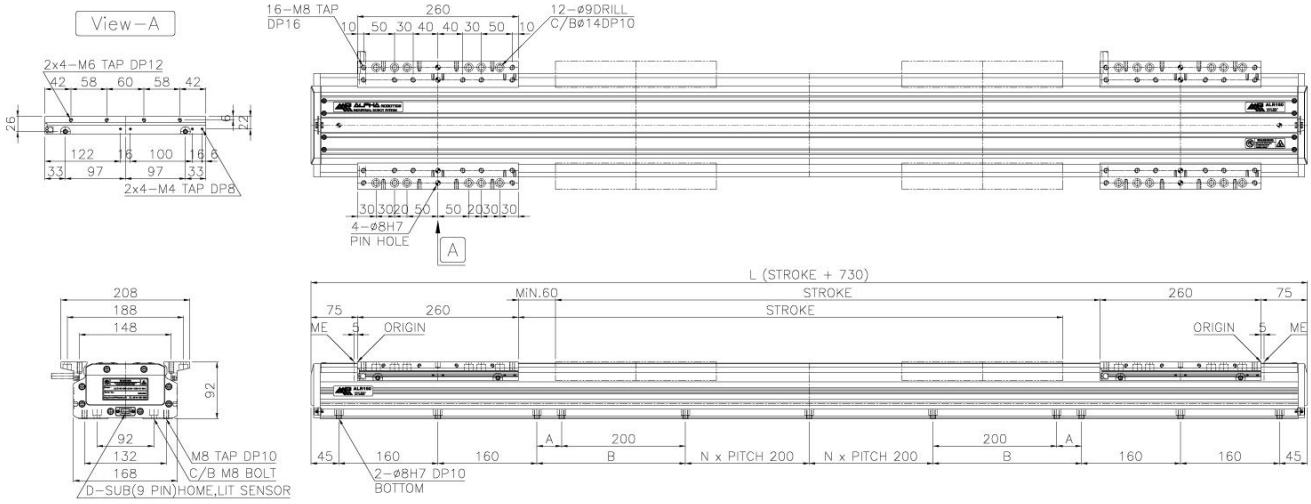
ALR160-1S2

* All dimensions in mm



ALR160-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR160-1S2-A044	kgf	25.38	35.09	44.79	54.50	73.90	(1.94)
ALR160-2S2-A044	kgf	35.55	45.26	54.96	64.67	84.07	(1.94)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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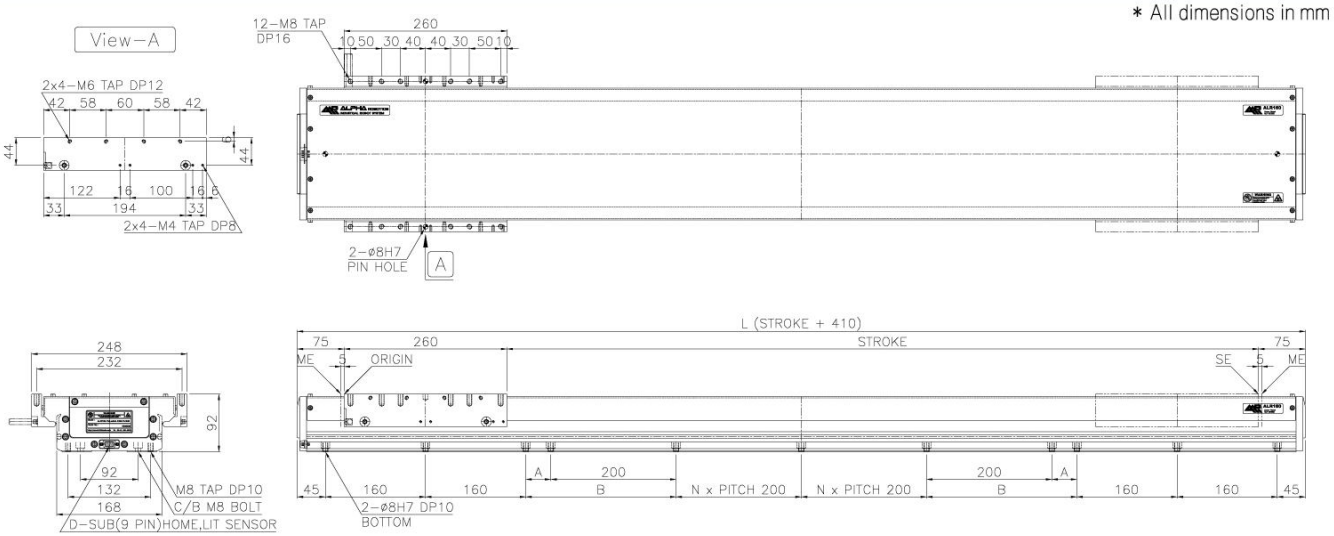
Model / Peak Force	ALR160-1S1 A008 86N	ALR160-1S2 A008 86N	ALR160-1S3 A008 86N	ALR160-1S1 A012 125N	ALR160-1S2 A012 125N	ALR160-1S3 A012 125N	ALR160-1S1 A022 220N	ALR160-1S2 A022 220N	ALR160-1S3 A022 220N	ALR160-1S1 A044 440N	ALR160-1S2 A044 440N	ALR160-1S3 A044 440N

Specification	Unit	Data
ALR160-1S3-A044		ALR160-2S3-A044
		
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	1500
Max. Load	kgf	Note3 80
LM Guide	-	NO 15, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	74	45	31	20
Allowable Overhang Distance - mm	Horizontal Use	0°	83	145	215	330
		45°	80	145	210	330
		90°	800	800	800	800
	Wall Installation Use	0°	145	259	370	568
		45°	90	159	220	360
		90°	55	99	143	220
	Note4 Vertical Use	0°	250	370	480	700
		45°	125	185	240	350
		90°	250	370	480	700
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

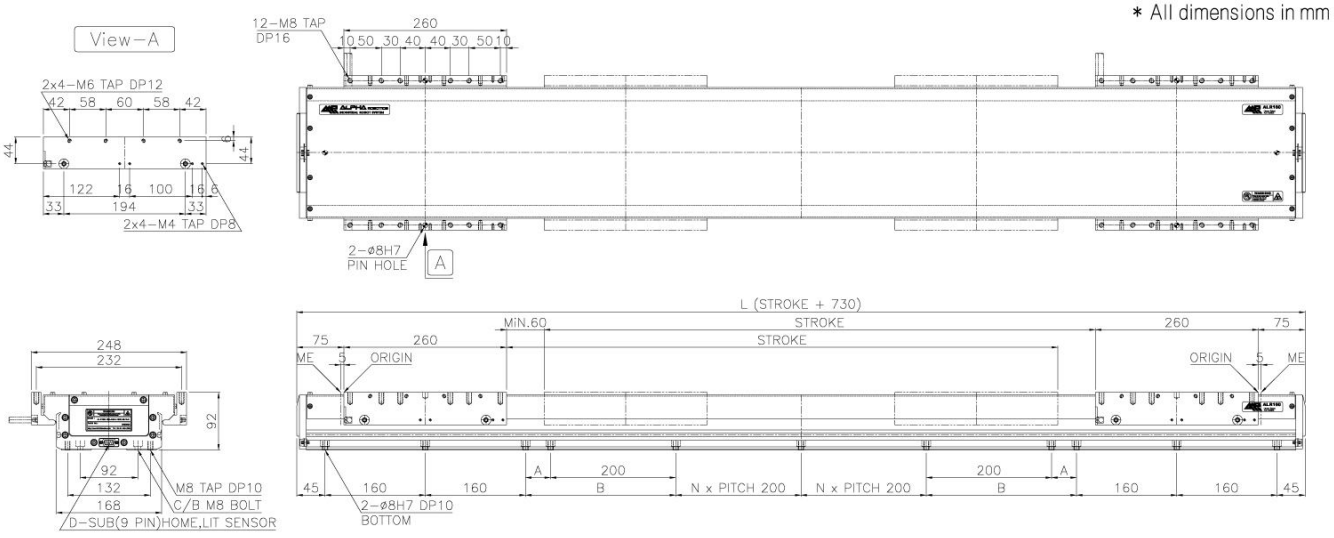
ALR160-1S3

* All dimensions in mm



ALR160-2S3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR160-1S3-A044	kgf	26.95	36.52	46.09	55.65	74.79	(1.91)
ALR160-2S3-A044	kgf	38.86	48.43	58.00	67.56	86.70	(1.91)

CAUTION

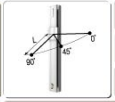
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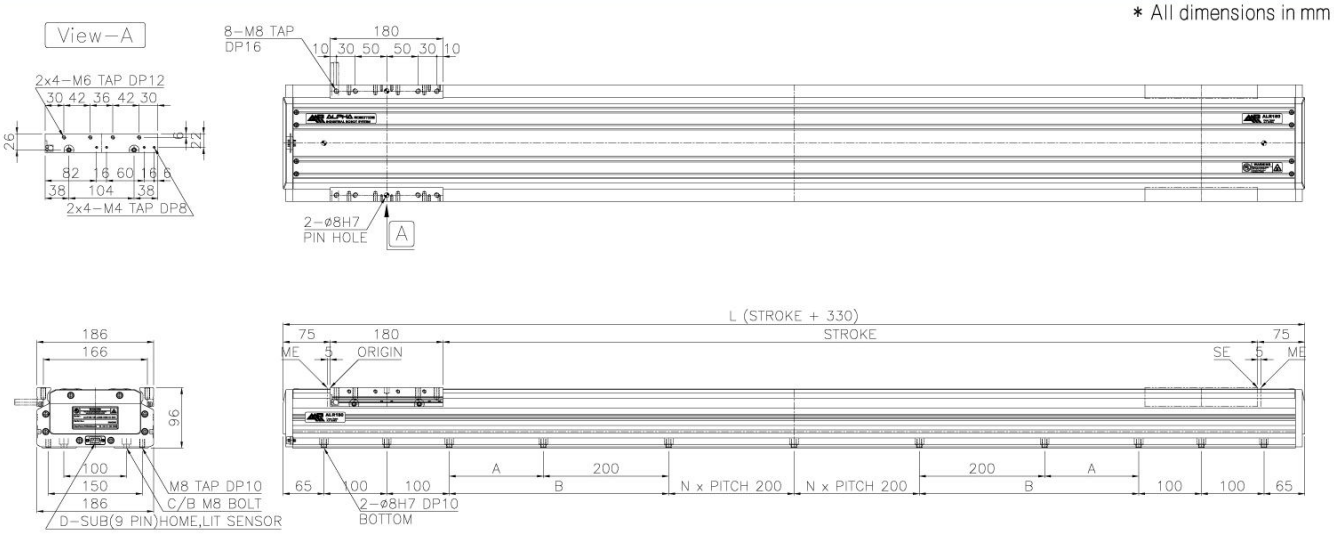
Model / Peak Force	ALR180-1S1 A008 86N	ALR180-1S2 A008 86N	ALR180-1S3 A008 86N	ALR180-1S1 A012 125N	ALR180-1S2 A012 125N	ALR180-1S3 A012 125N	ALR180-1S1 A022 220N	ALR180-1S2 A022 220N	ALR180-1S3 A022 220N	ALR180-1S1 A044 440N	ALR180-1S2 A044 440N	ALR180-1S3 A044 440N

Specification	Unit	Data
ALR180-1S1-A008		ALR180-2S1-A008
		
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 30
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	7	3	1	-
Allowable Overhang Distance - mm	Horizontal Use 	0°	1000	1000	1000	-
		45°	1000	1000	1000	-
		90°	1000	1000	1000	-
	Wall Installation Use 	0°	1000	1000	1000	-
		45°	1000	1000	1000	-
		90°	1000	1000	1000	-
	Note4 Vertical Use 	0°	1000	1000	1000	-
		45°	1000	1000	1000	-
		90°	1000	1000	1000	-
Note5	Estimated Condition		Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm	

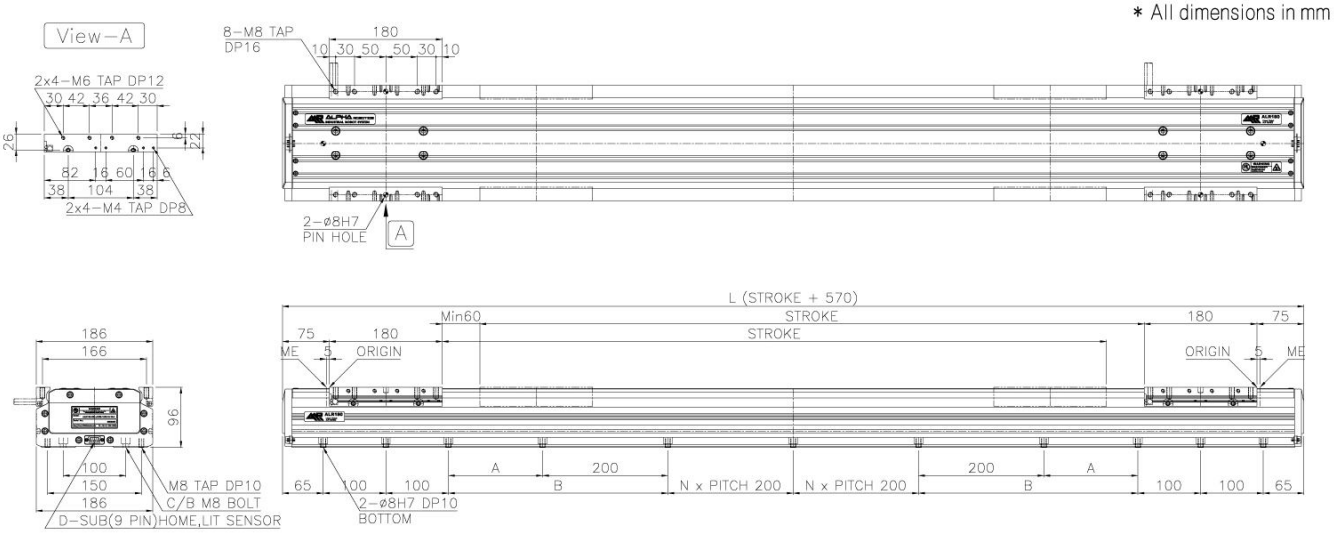
ALR180-1S1

* All dimensions in mm



ALR180-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1S1-A008	kgf	25.26	36.91	48.57	60.22	83.53	(2.33)
ALR180-2S1-A008	kgf	34.70	46.35	58.01	69.66	92.97	(2.33)

CAUTION

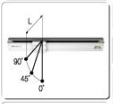
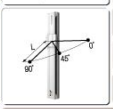
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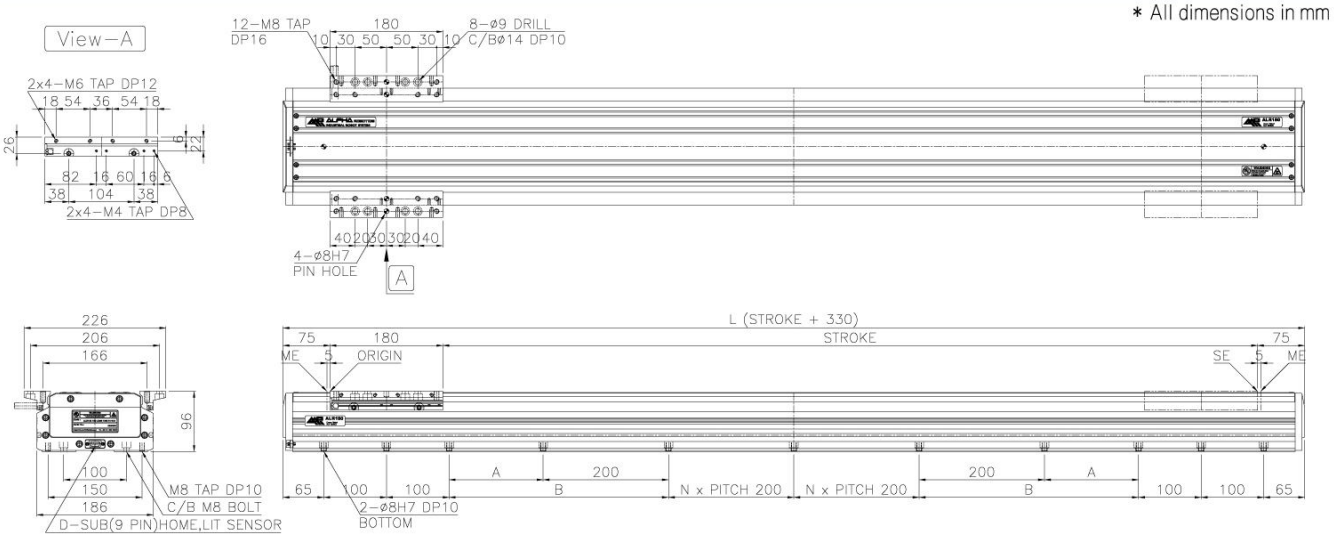
Model Peak Force	ALR180-1S1 A008 86N	ALR180-1S2 A008 86N	ALR180-1S3 A008 86N	ALR180-1S1 A012 125N	ALR180-1S2 A012 125N	ALR180-1S3 A012 125N	ALR180-1S1 A022 220N	ALR180-1S2 A022 220N	ALR180-1S3 A022 220N	ALR180-1S1 A044 440N	ALR180-1S2 A044 440N	ALR180-1S3 A044 440N

Specification	Unit	Data
ALR180-1S2-A008 		
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 30
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	7	3	1	-
Allowable Overhang Distance - mm	Horizontal Use 	0°	1000	1000	1000	-
		45°	1000	1000	1000	-
		90°	1000	1000	1000	-
	Wall Installation Use 	0°	1000	1000	1000	-
		45°	1000	1000	1000	-
		90°	1000	1000	1000	-
	Note4 Vertical Use 	0°	1000	1000	1000	-
		45°	1000	1000	1000	-
		90°	1000	1000	1000	-
Note5	Estimated Condition		Max Speed : 2000 mm/sec Life Time : 15000 hr Waiting Time : 0 sec Stroke : 2000 mm			

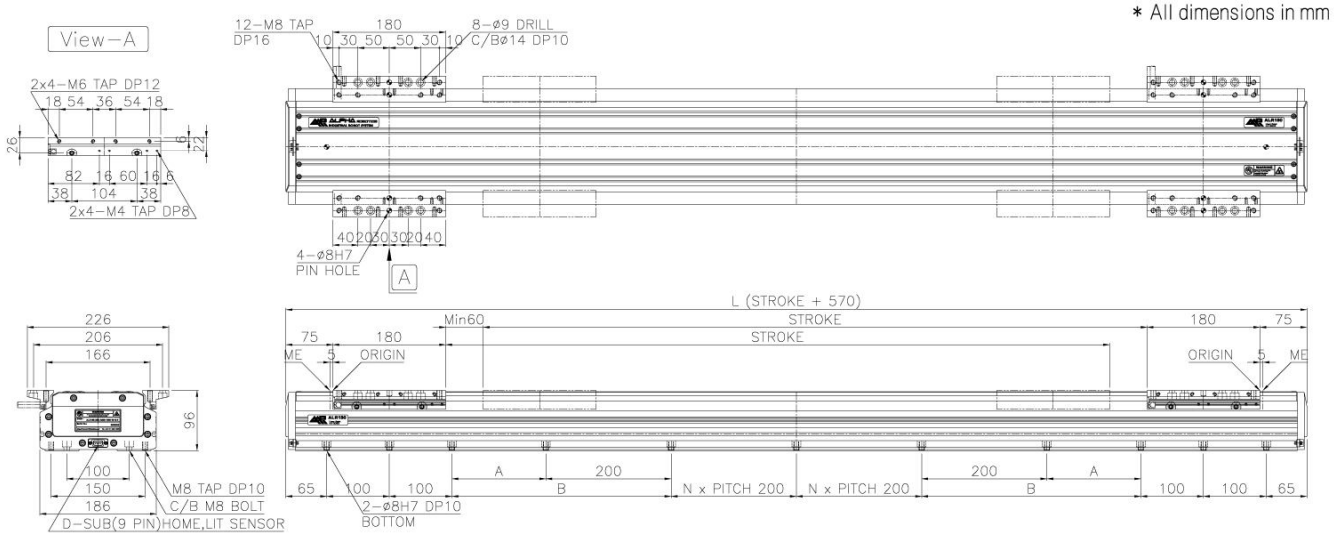
ALR180-1S2

* All dimensions in mm



ALR180-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1S2-A008	kgf	25.26	36.91	48.57	60.22	83.53	(2.33)
ALR180-2S2-A008	kgf	34.70	46.35	58.01	69.66	92.97	(2.33)

CAUTION

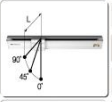
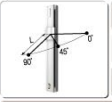
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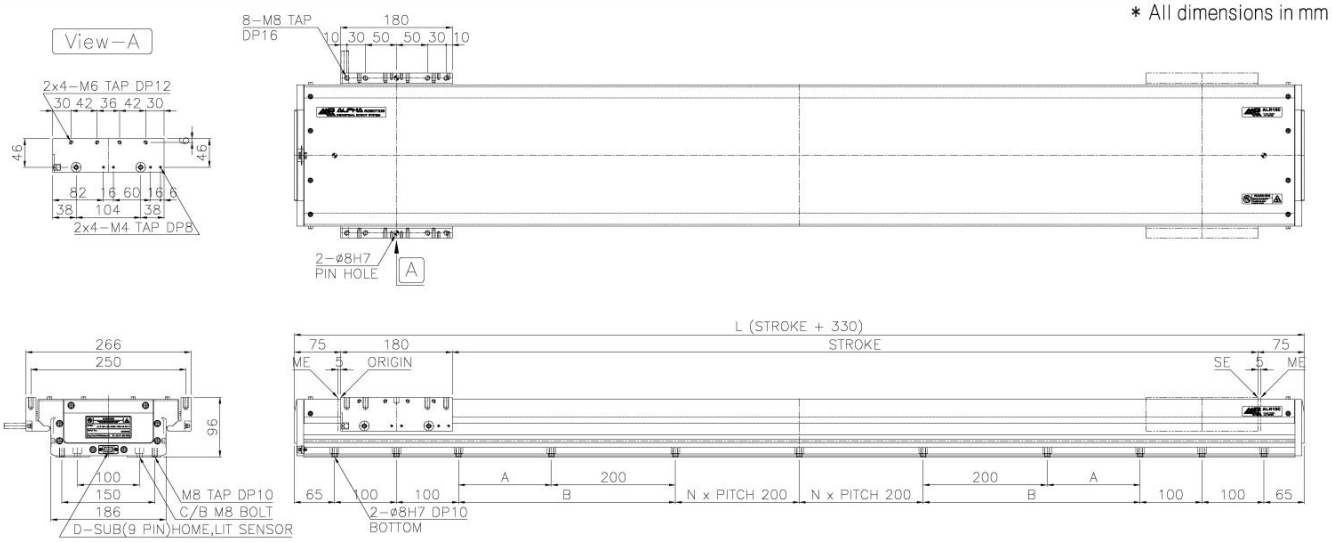
Model / Peak Force	ALR180-1S1 A008 86N	ALR180-1S2 A008 86N	ALR180-1S3 A008 86N	ALR180-1S1 A012 125N	ALR180-1S2 A012 125N	ALR180-1S3 A012 125N	ALR180-1S1 A022 220N	ALR180-1S2 A022 220N	ALR180-1S3 A022 220N	ALR180-1S1 A044 440N	ALR180-1S2 A044 440N	ALR180-1S3 A044 440N

Specification	Unit	Data
ALR180-1S3-A008		ALR180-2S3-A008
		
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 30
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	6	2	-	-
Allowable Overhang Distance - mm	Horizontal Use 	0°	1000	1000	-	-
		45°	1000	1000	-	-
		90°	1000	1000	-	-
	Wall Installation Use 	0°	1000	1000	-	-
		45°	1000	1000	-	-
		90°	1000	1000	-	-
	Note4 Vertical Use 	0°	1000	1000	-	-
		45°	1000	1000	-	-
		90°	1000	1000	-	-
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

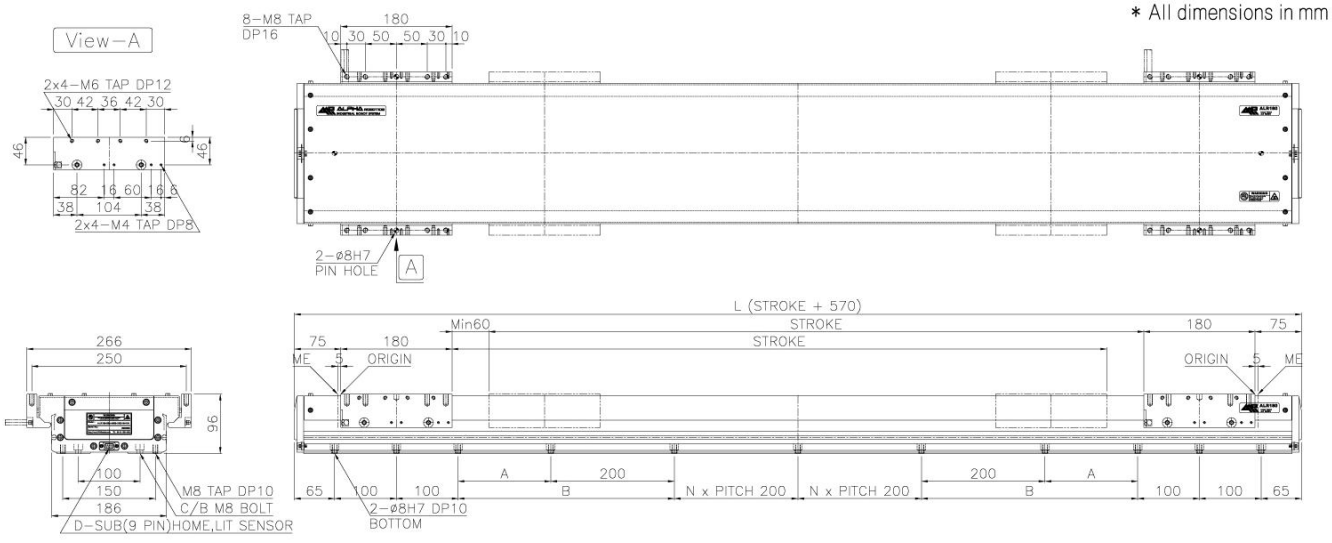
ALR180-1S3

* All dimensions in mm



ALR180-2S3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1S3-A008	kgf	27.11	39.03	50.95	62.86	86.69	(2.38)
ALR180-2S3-A008	kgf	38.12	50.03	61.95	73.87	97.70	(2.38)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

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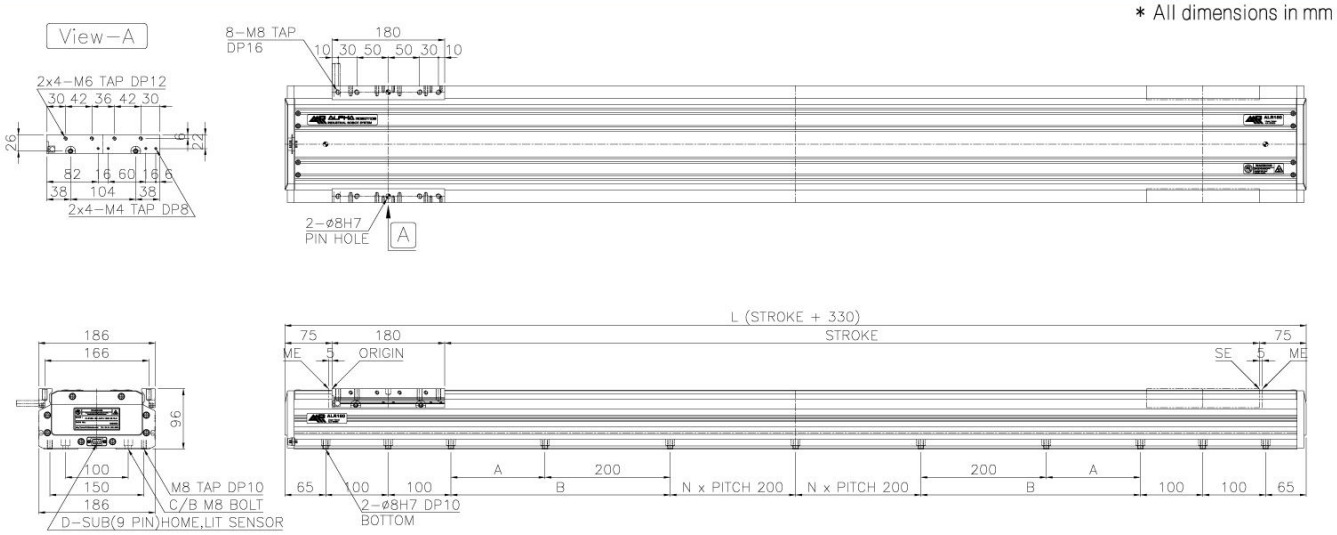
Model / Peak Force	ALR180-1S1 A008 86N	ALR180-1S2 A008 86N	ALR180-1S3 A008 86N	ALR180-1S1 A012 125N	ALR180-1S2 A012 125N	ALR180-1S3 A012 125N	ALR180-1S1 A022 220N	ALR180-1S2 A022 220N	ALR180-1S3 A022 220N	ALR180-1S1 A044 440N	ALR180-1S2 A044 440N	ALR180-1S3 A044 440N

Specification	Unit	Data
ALR180-1S1-A012		ALR180-2S1-A012
		
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 56
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	14	8	5	2
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	1000	1000	1000
		45°	1000	1000	1000	1000
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	1000	1000	1000
		45°	1000	1000	1000	1000
		90°	885	1000	1000	1000
	Note4 Vertical Use	0°	1000	1000	1000	1000
		45°	770	1000	1000	1000
		90°	1000	1000	1000	1000
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

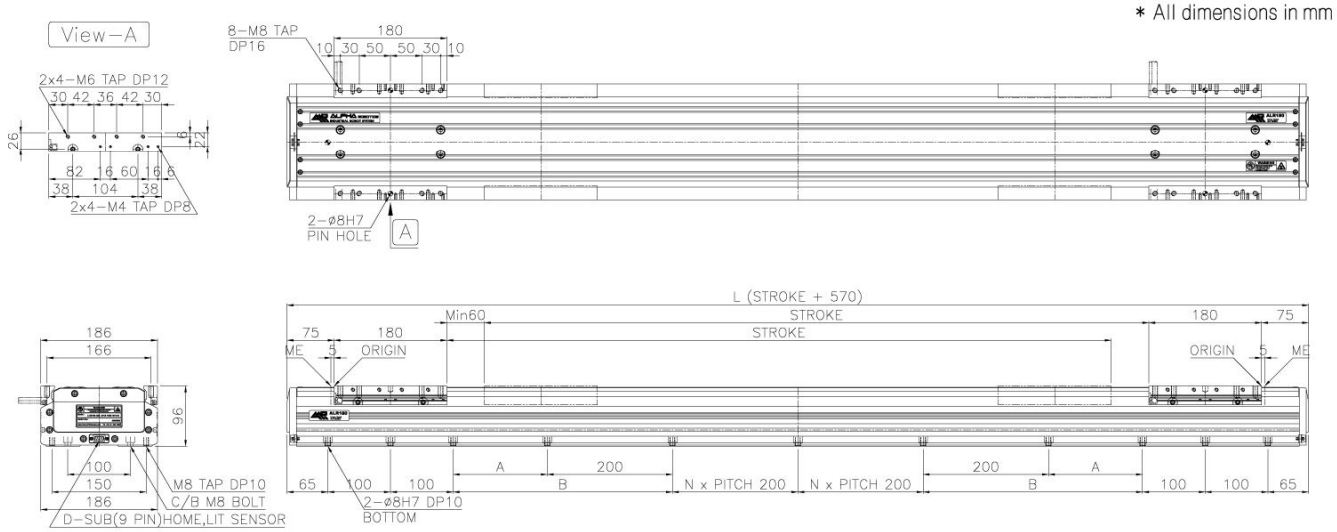
ALR180-1S1

* All dimensions in mm



ALR180-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1S1-A012	kgf	25.46	37.11	48.77	60.42	83.73	(2.33)
ALR180-2S1-A012	kgf	35.10	46.75	58.41	70.06	93.37	(2.33)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
NOTE3 It is differed by an operating conditions.
NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

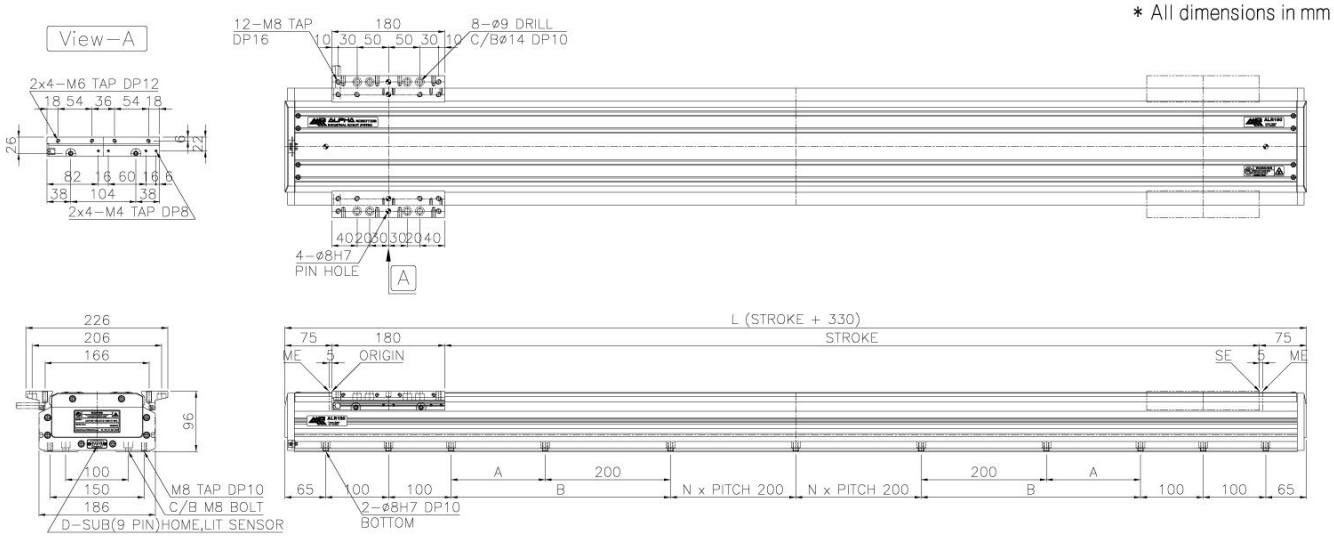
Model / Peak Force	ALR180-1S1 A008 86N	ALR180-1S2 A008 86N	ALR180-1S3 A008 86N	ALR180-1S1 A012 125N	ALR180-1S2 A012 125N	ALR180-1S3 A012 125N	ALR180-1S1 A022 220N	ALR180-1S2 A022 220N	ALR180-1S3 A022 220N	ALR180-1S1 A044 440N	ALR180-1S2 A044 440N	ALR180-1S3 A044 440N

Specification	Unit	Data
ALR180-1S2-A012		ALR180-2S2-A012
		
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 56
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	14	8	5	2
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	1000	1000	1000
		45°	1000	1000	1000	1000
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	1000	1000	1000
		45°	1000	1000	1000	1000
		90°	885	1000	1000	1000
	Note4 Vertical Use	0°	1000	1000	1000	1000
		45°	770	1000	1000	1000
		90°	1000	1000	1000	1000
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

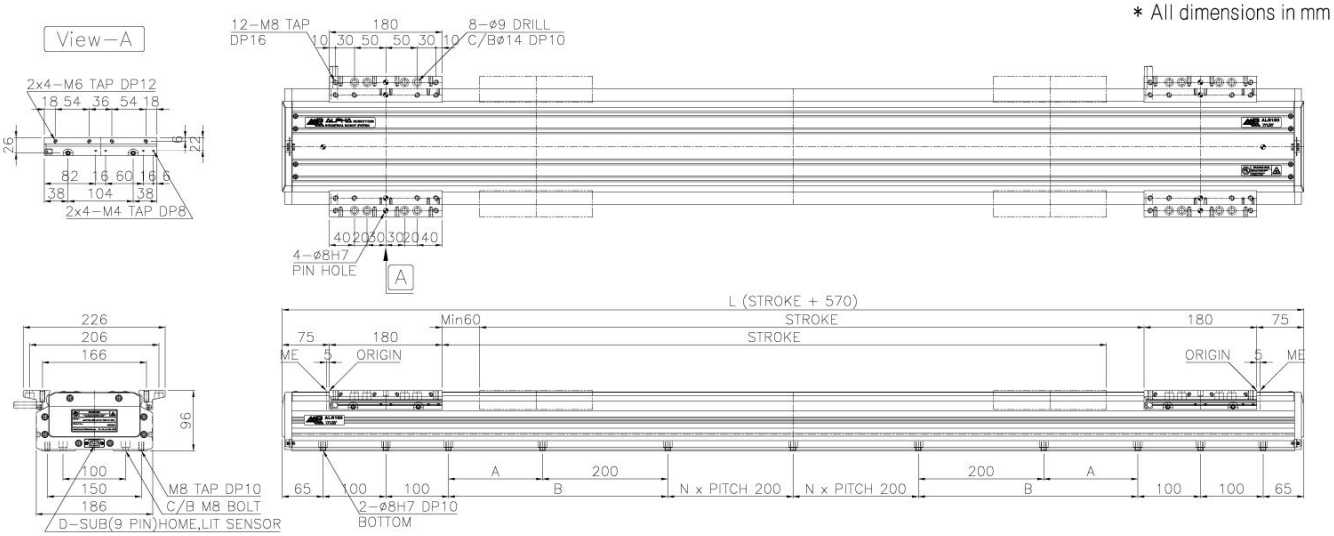
ALR180-1S2

* All dimensions in mm



ALR180-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1S2-A012	kgf	25.46	37.11	48.77	60.42	83.73	(2.33)
ALR180-2S2-A012	kgf	35.10	46.75	58.41	70.06	93.37	(2.33)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
NOTE3 It is differed by an operating conditions.
NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

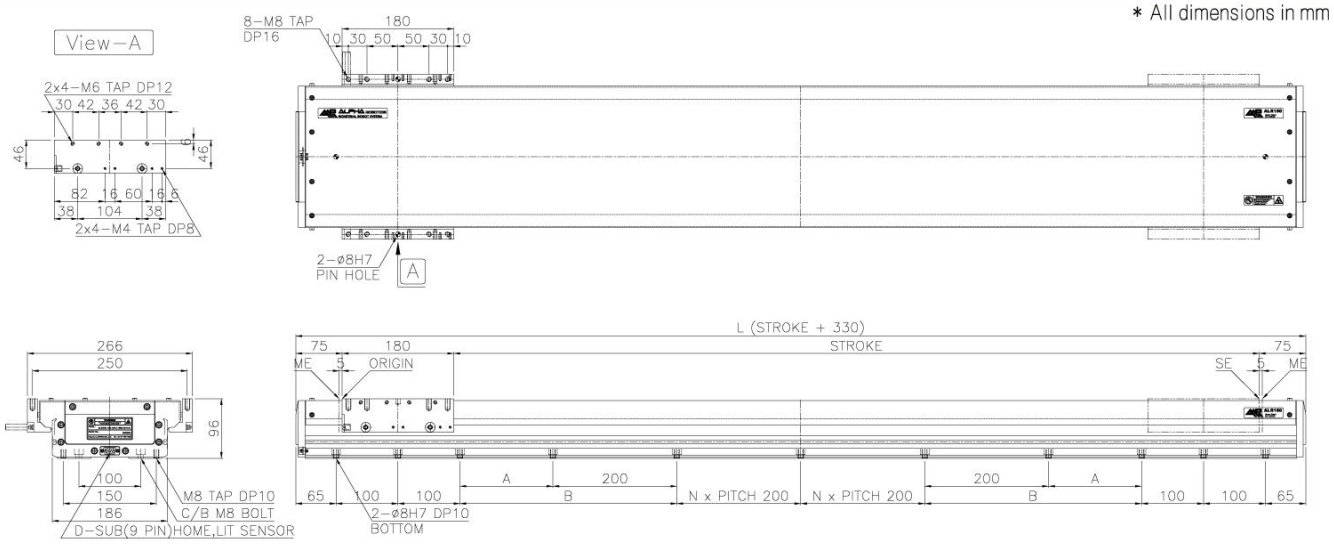
Model / Peak Force	ALR180-1S1 A008 86N	ALR180-1S2 A008 86N	ALR180-1S3 A008 86N	ALR180-1S1 A012 125N	ALR180-1S2 A012 125N	ALR180-1S3 A012 125N	ALR180-1S1 A022 220N	ALR180-1S2 A022 220N	ALR180-1S3 A022 220N	ALR180-1S1 A044 440N	ALR180-1S2 A044 440N	ALR180-1S3 A044 440N

Specification	Unit	Data
ALR180-1S3-A012		ALR180-2S3-A012
		
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 56
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	13	7	4	1
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	1000	1000	1000
		45°	1000	1000	1000	1000
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	1000	1000	1000
		45°	1000	1000	1000	1000
		90°	950	1000	1000	1000
	Note4 Vertical Use	0°	1000	1000	1000	1000
		45°	835	1000	1000	1000
		90°	1000	1000	1000	1000
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

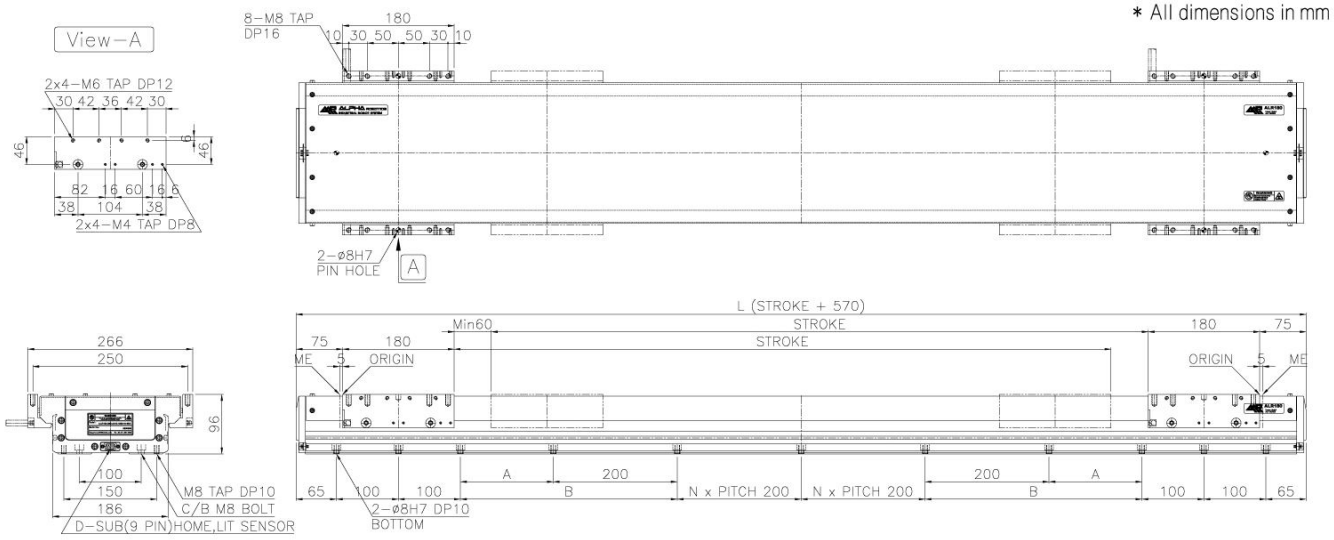
ALR180-1S3

* All dimensions in mm



ALR180-2S3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1S3-A012	kgf	27.31	39.23	51.15	63.06	86.89	(2.38)
ALR180-2S3-A012	kgf	38.52	50.43	62.35	74.27	98.10	(2.38)

CAUTION

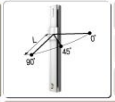
Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
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Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
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NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

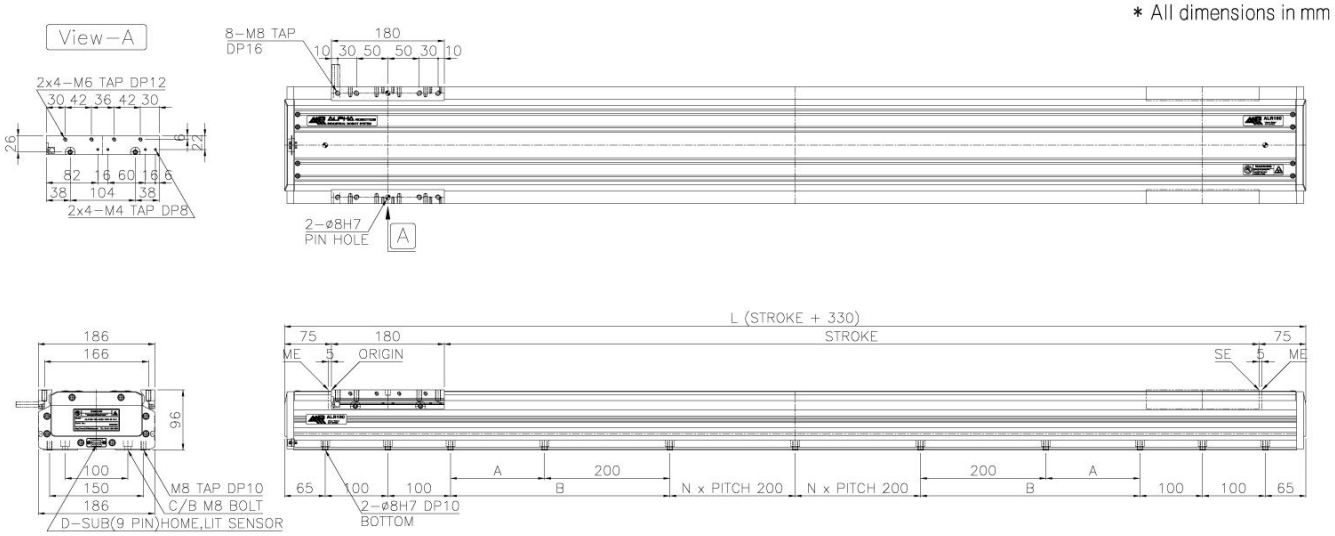
Model / Peak Force	ALR180-1S1 A008 86N	ALR180-1S2 A008 86N	ALR180-1S3 A008 86N	ALR180-1S1 A012 125N	ALR180-1S2 A012 125N	ALR180-1S3 A012 125N	ALR180-1S1 A022 220N	ALR180-1S2 A022 220N	ALR180-1S3 A022 220N	ALR180-1S1 A044 440N	ALR180-1S2 A044 440N	ALR180-1S3 A044 440N

Specification	Unit	Data
ALR180-1S1-A022		ALR180-2S1-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 100
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	32	19	13	8
Allowable Overhang Distance - mm	Horizontal Use 	0°	690	1000	1000	1000
		45°	650	980	1000	1000
		90°	1000	1000	1000	1000
	Wall Installation Use 	0°	585	930	1000	1000
		45°	840	1000	1000	1000
		90°	345	540	735	1000
	Note4 Vertical Use 	0°	630	965	1000	1000
		45°	315	485	660	1000
		90°	630	970	1000	1000
Note5	Estimated Condition		Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm	

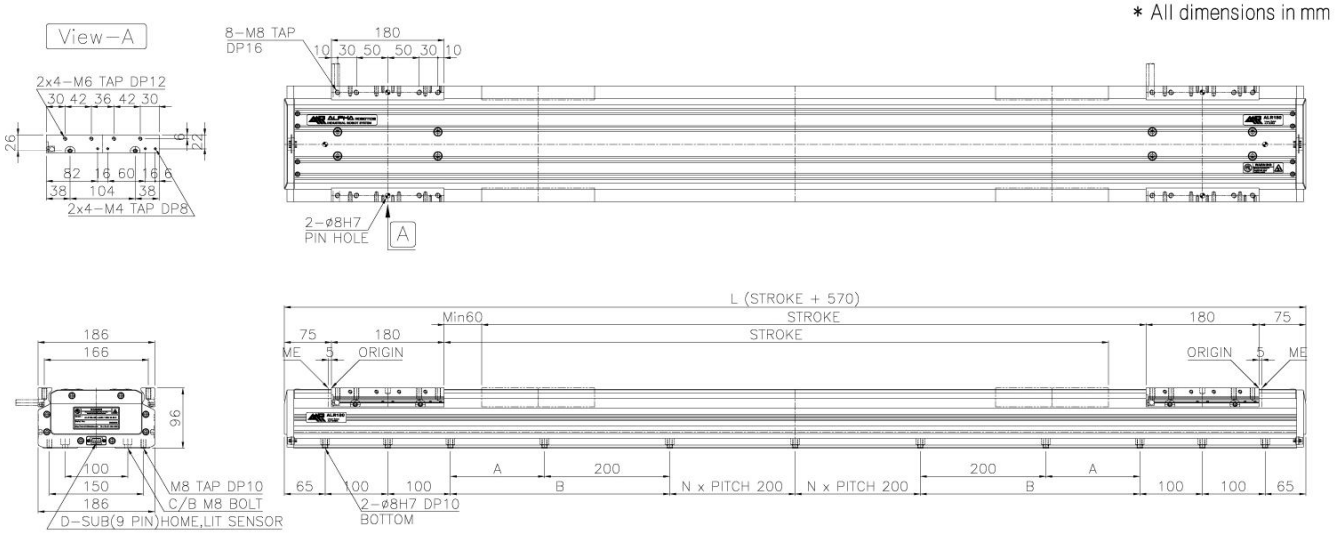
ALR180-1S1

* All dimensions in mm



ALR180-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1S1-A022	kgf	25.86	37.51	49.17	60.82	84.13	(2.33)
ALR180-2S1-A022	kgf	35.90	47.55	59.21	70.86	94.17	(2.33)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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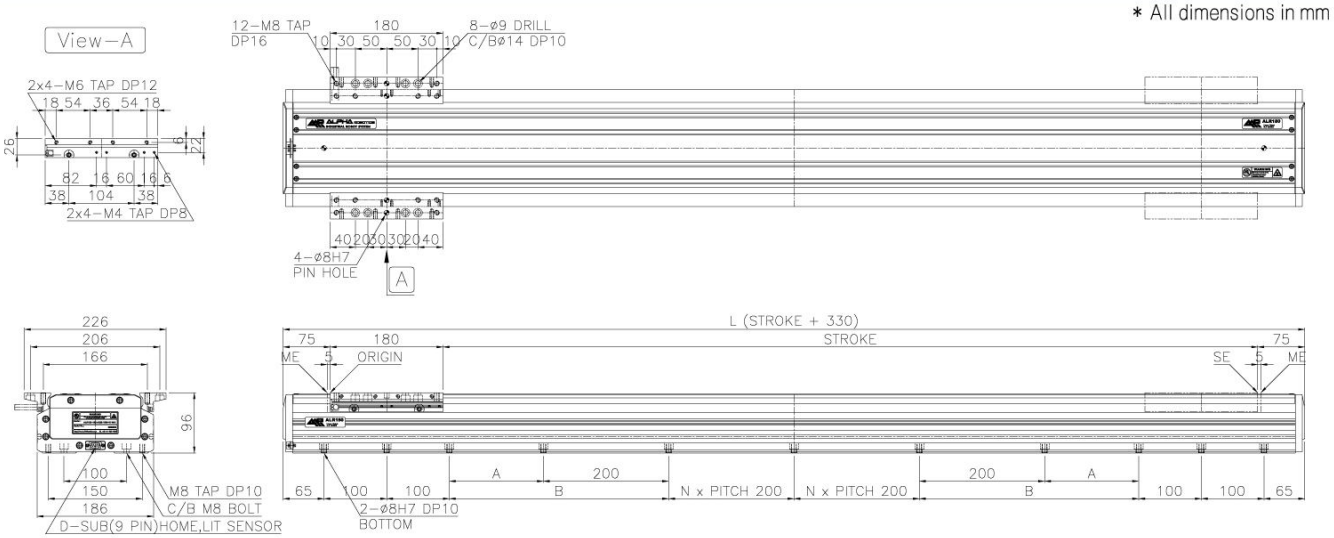
Model / Peak Force	ALR180-1S1 A008 86N	ALR180-1S2 A008 86N	ALR180-1S3 A008 86N	ALR180-1S1 A012 125N	ALR180-1S2 A012 125N	ALR180-1S3 A012 125N	ALR180-1S1 A022 220N	ALR180-1S2 A022 220N	ALR180-1S3 A022 220N	ALR180-1S1 A044 440N	ALR180-1S2 A044 440N	ALR180-1S3 A044 440N

Specification	Unit	Data
ALR180-1S2-A022		ALR180-2S2-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 100
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	32	19	13	8
Allowable Overhang Distance - mm	Horizontal Use	0°	690	1000	1000	1000
		45°	650	980	1000	1000
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	585	930	1000	1000
		45°	840	1000	1000	1000
		90°	345	540	735	1000
	Note4 Vertical Use	0°	630	965	1000	1000
		45°	315	485	660	1000
		90°	630	970	1000	1000
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

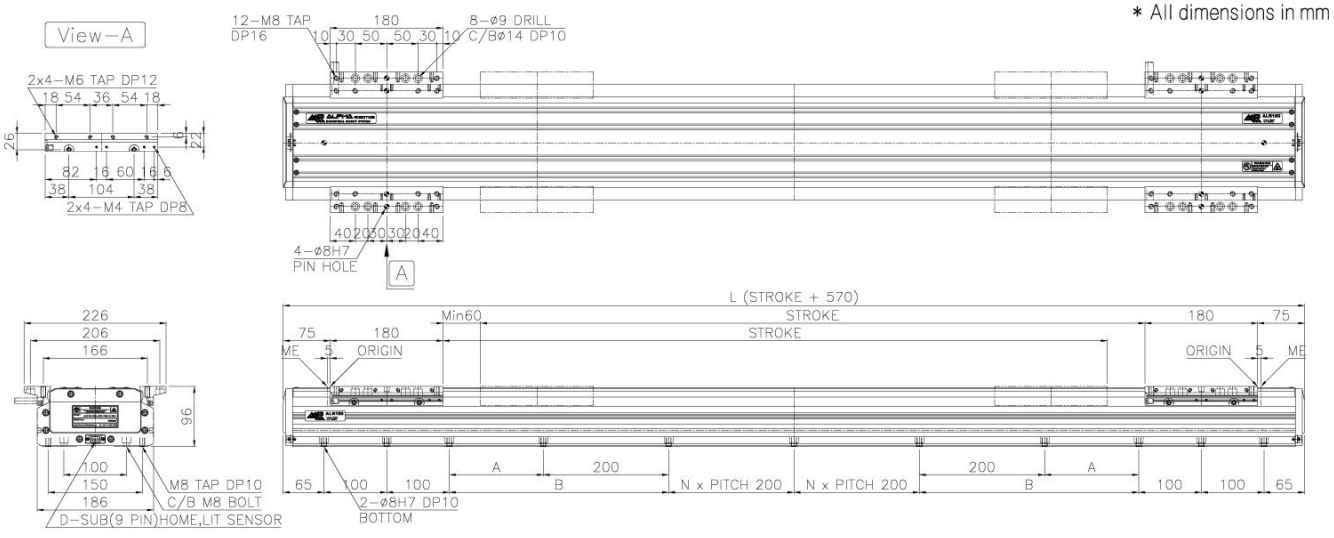
ALR180-1S2

* All dimensions in mm



ALR180-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1S2-A022	kgf	25.86	37.51	49.17	60.82	84.13	(2.33)
ALR180-2S2-A022	kgf	35.90	47.55	59.21	70.86	94.17	(2.33)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
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NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

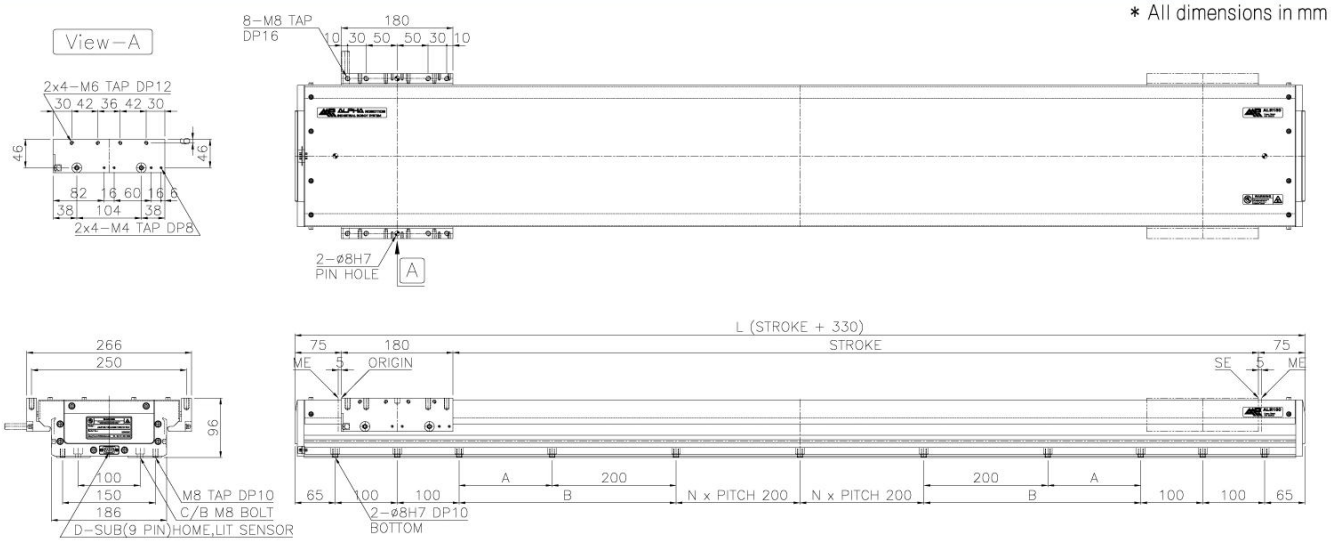
Model / Peak Force	ALR180-1S1 A008 86N	ALR180-1S2 A008 86N	ALR180-1S3 A008 86N	ALR180-1S1 A012 125N	ALR180-1S2 A012 125N	ALR180-1S3 A012 125N	ALR180-1S1 A022 220N	ALR180-1S2 A022 220N	ALR180-1S3 A022 220N	ALR180-1S1 A044 440N	ALR180-1S2 A044 440N	ALR180-1S3 A044 440N

Specification	Unit	Data
ALR180-1S3-A022		ALR180-2S3-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 100
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	31	18	12	8
Allowable Overhang Distance - mm	Horizontal Use	0°	720	1000	1000	1000
		45°	670	1000	1000	1000
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	605	976	1000	1000
		45°	865	1000	1000	1000
		90°	355	568	800	1000
	Note4 Vertical Use	0°	650	1000	1000	1000
		45°	325	515	510	1000
		90°	650	1000	1000	1000
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

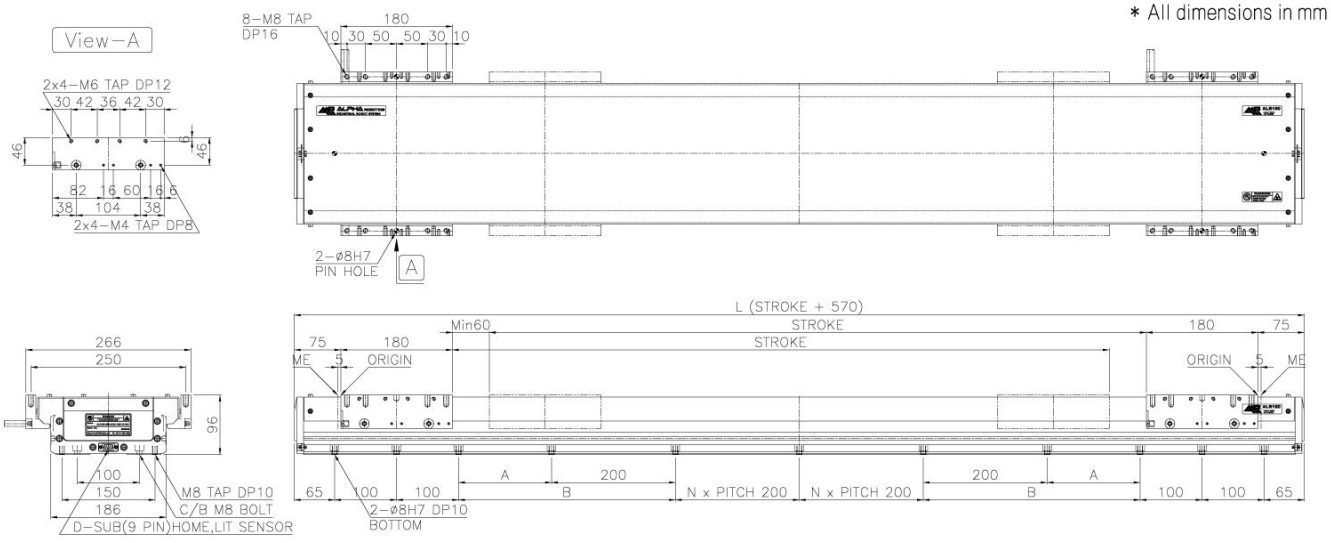
ALR180-1S3

* All dimensions in mm



ALR180-2S3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1S3-A022	kgf	27.71	39.63	51.55	63.46	87.29	(2.38)
ALR180-2S3-A022	kgf	39.32	51.23	63.15	75.07	98.90	(2.38)

CAUTION

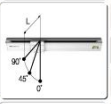
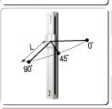
Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
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Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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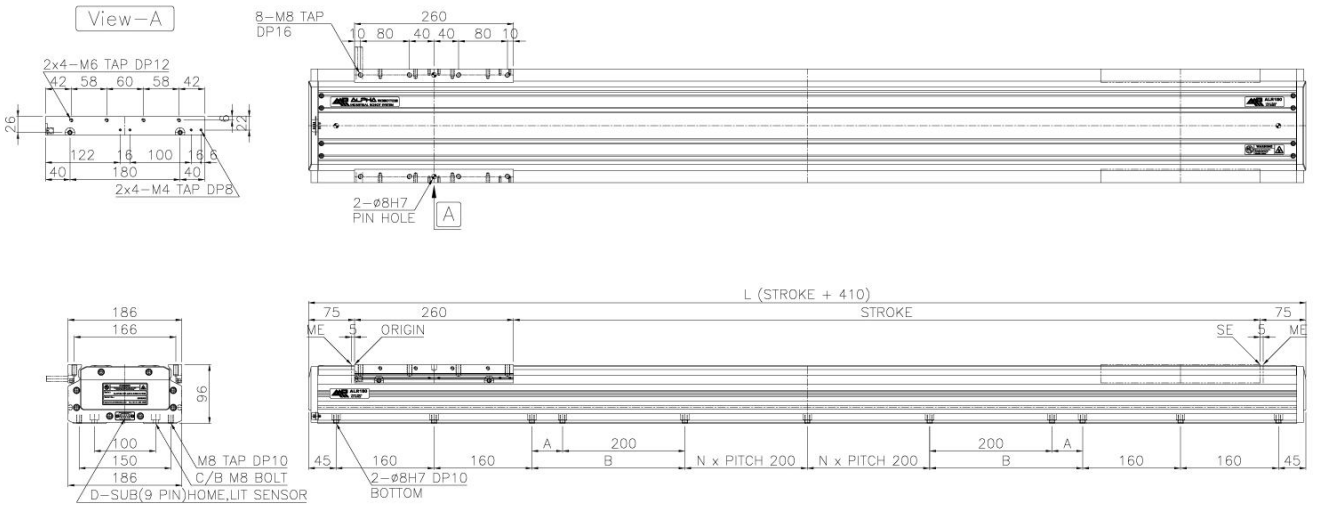
Model / Peak Force	ALR180-1S1 A008 86N	ALR180-1S2 A008 86N	ALR180-1S3 A008 86N	ALR180-1S1 A012 125N	ALR180-1S2 A012 125N	ALR180-1S3 A012 125N	ALR180-1S1 A022 220N	ALR180-1S2 A022 220N	ALR180-1S3 A022 220N	ALR180-1S1 A044 440N	ALR180-1S2 A044 440N	ALR180-1S3 A044 440N

Specification	Unit	Data
ALR180-1S1-A044 		ALR180-2S1-A044 
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 100
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	71	42	29	20
Allowable Overhang Distance - mm	Horizontal Use 	0°	254	415	570	865
		45°	250	405	550	820
		90°	1000	1000	1000	1000
	Wall Installation Use 	0°	400	635	875	1000
		45°	285	458	635	958
		90°	165	268	365	550
	Note4 Vertical Use 	0°	495	730	960	1000
		45°	245	365	480	690
		90°	495	730	960	1000
Note5	Estimated Condition		Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm	

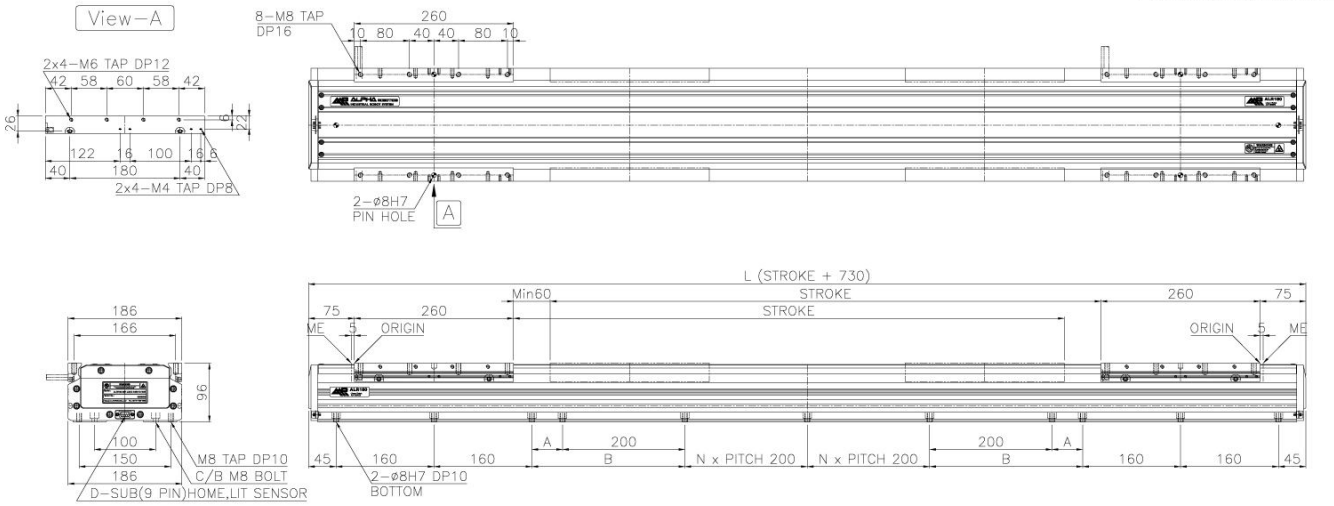
ALR180-1S1

* All dimensions in mm



ALR180-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1S1-A044	kgf	30.07	41.72	53.38	65.03	88.34	(2.33)
ALR180-2S1-A044	kgf	41.99	53.64	65.30	76.95	100.26	(2.33)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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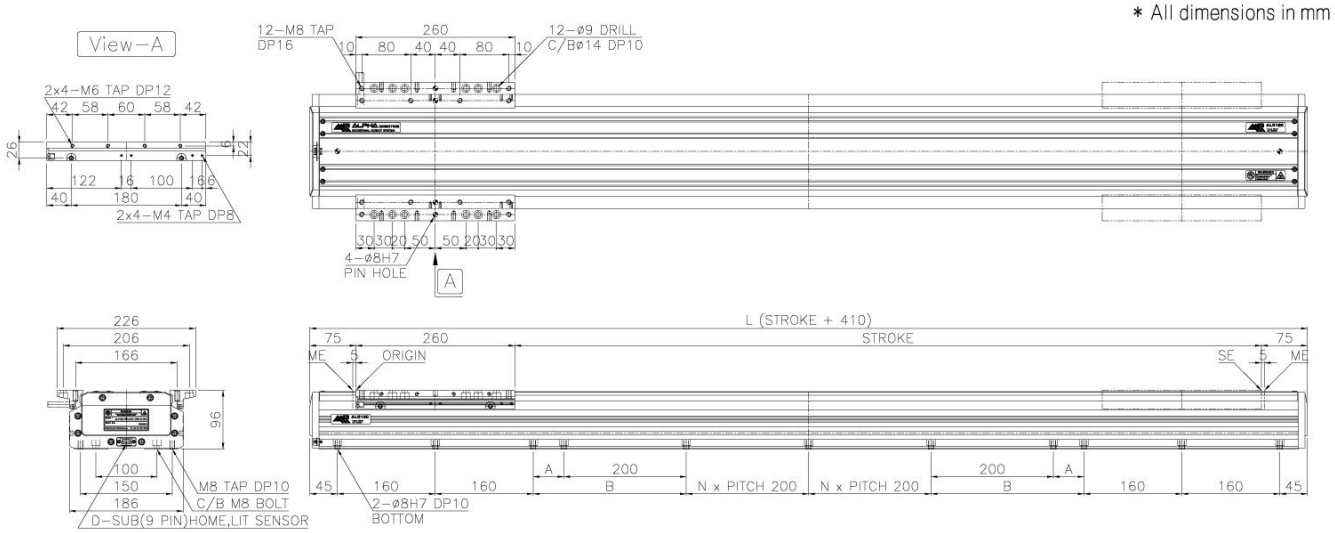
Model / Peak Force	ALR180-1S1 A008 86N	ALR180-1S2 A008 86N	ALR180-1S3 A008 86N	ALR180-1S1 A012 125N	ALR180-1S2 A012 125N	ALR180-1S3 A012 125N	ALR180-1S1 A022 220N	ALR180-1S2 A022 220N	ALR180-1S3 A022 220N	ALR180-1S1 A044 440N	ALR180-1S2 A044 440N	ALR180-1S3 A044 440N

Specification	Unit	Data
ALR180-1S2-A044		ALR180-2S2-A044
		
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 100
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	71	42	29	20
Allowable Overhang Distance - mm	Horizontal Use	0°	254	415	570	865
		45°	250	405	550	820
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	400	635	875	1000
		45°	285	458	635	958
		90°	165	268	365	550
	Note4 Vertical Use	0°	495	730	960	1000
		45°	245	365	480	690
		90°	495	730	960	1000
Note5	Estimated Condition	Max Speed : 2000 mm/sec Life Time : 15000 hr Waiting Time : 0 sec Stroke : 2000 mm				

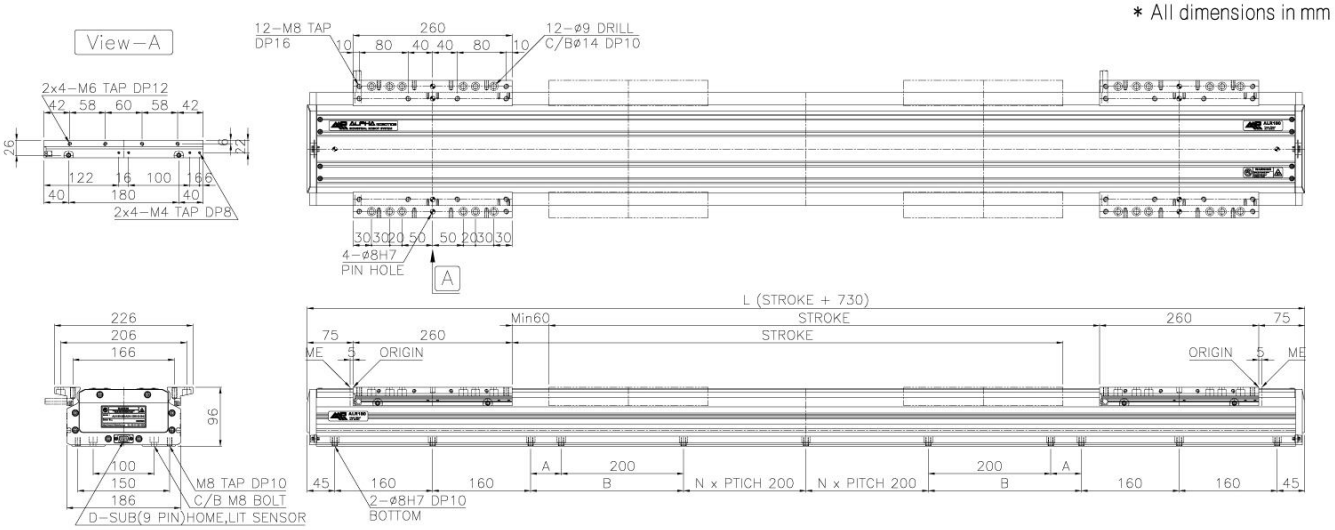
ALR180-1S2

* All dimensions in mm



ALR180-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1S2-A044	kgf	30.07	41.72	53.38	65.03	88.34	(2.33)
ALR180-2S2-A044	kgf	41.99	53.64	65.30	76.95	100.26	(2.33)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

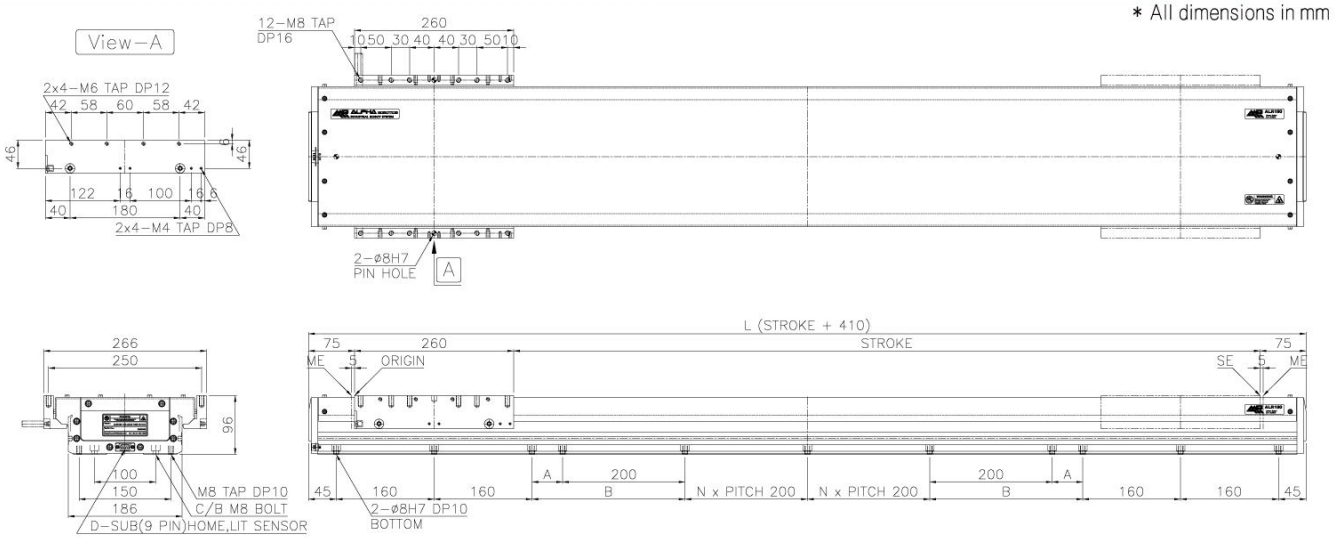
Model / Peak Force	ALR180-1S1 A008 86N	ALR180-1S2 A008 86N	ALR180-1S3 A008 86N	ALR180-1S1 A012 125N	ALR180-1S2 A012 125N	ALR180-1S3 A012 125N	ALR180-1S1 A022 220N	ALR180-1S2 A022 220N	ALR180-1S3 A022 220N	ALR180-1S1 A044 440N	ALR180-1S2 A044 440N	ALR180-1S3 A044 440N

Specification	Unit	Data
ALR180-1S3-A044		ALR180-2S3-A044
		
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 100
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	71	42	29	19
Allowable Overhang Distance - mm	Horizontal Use	0°	260	425	600	940
		45°	255	420	580	890
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	405	660	915	1000
		45°	290	478	670	1000
		90°	170	278	389	600
	Note4 Vertical Use	0°	505	755	1000	1000
		45°	254	380	510	760
		90°	505	760	1000	1000
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

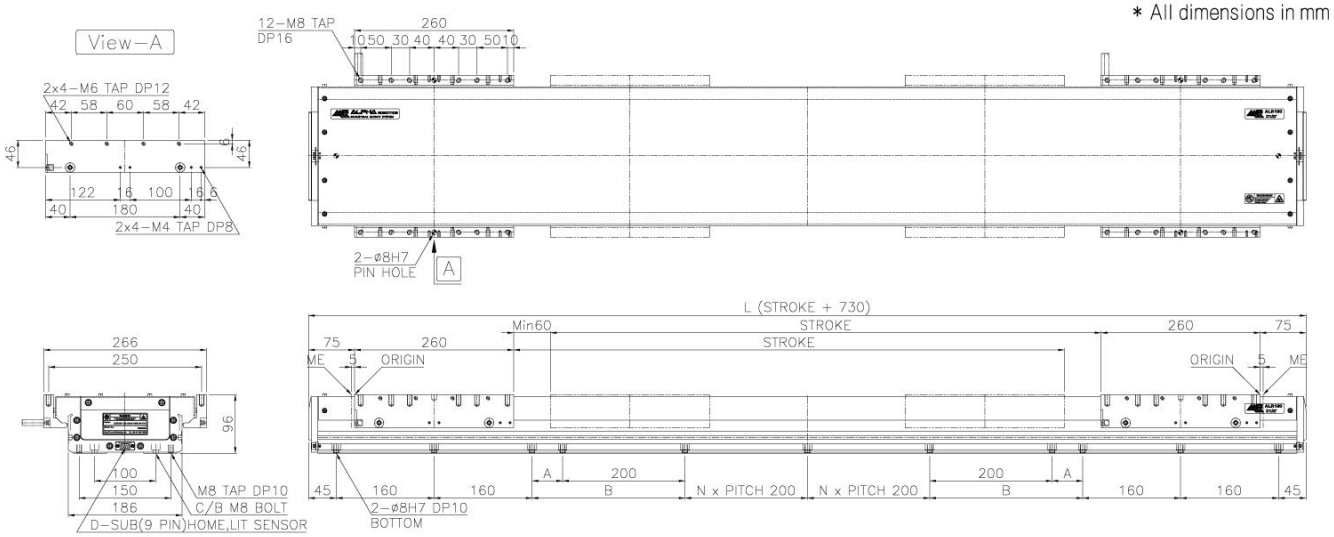
ALR180-1S3

* All dimensions in mm



ALR180-2S3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1S3-A044	kgf	32.58	44.50	56.42	68.33	92.16	(2.38)
ALR180-2S3-A044	kgf	46.68	58.59	70.51	82.42	106.26	(2.38)

CAUTION

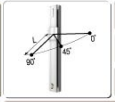
Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
NOTE3 It is differed by an operating conditions.
NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

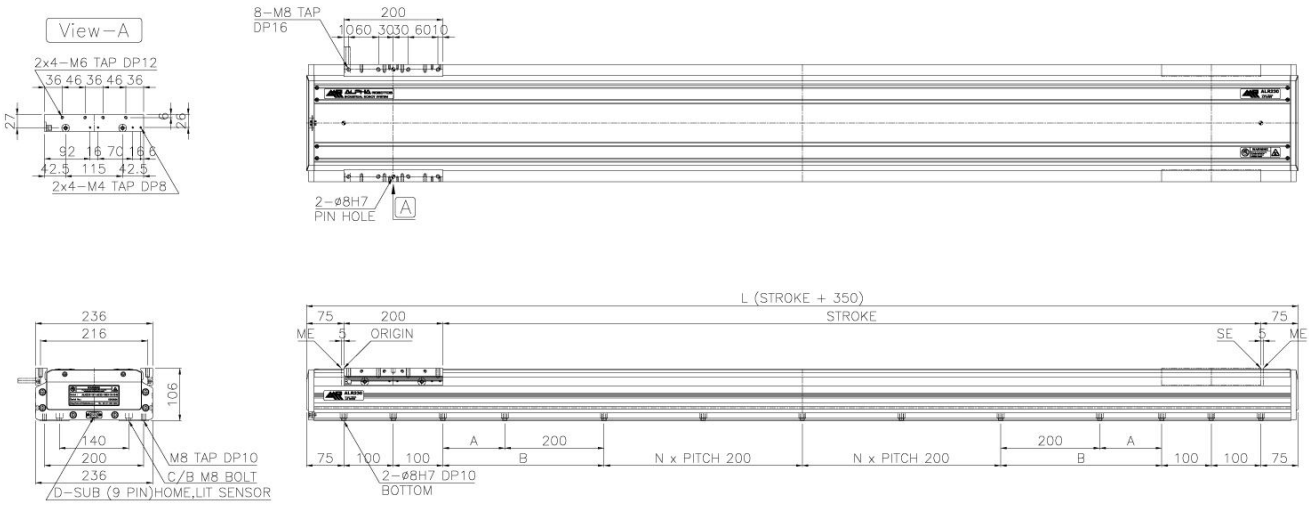
Model / Peak Force	ALR230-1S1 A022 220N	ALR230-1S2 A022 220N	ALR230-1S3 A022 220N	ALR230-1S1 A044 440N	ALR230-1S2 A044 440N	ALR230-1S3 A044 440N	ALR230-1S1 A060 600N	ALR230-1S2 A060 600N	ALR230-1S3 A060 600N	ALR230-1S1 A120 1200N	ALR230-1S2 A120 1200N	ALR230-1S3 A120 1200N

Specification	Unit	Data
ALR230-1S1-A022		ALR230-2S1-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 105
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	27	15	9	5
Allowable Overhang Distance - mm	Horizontal Use 	0°	1200	1200	1200	1200
		45°	1200	1200	1200	1200
		90°	1200	1200	1200	1200
	Wall Installation Use 	0°	1200	1200	1200	1200
		45°	1200	1200	1200	1200
		90°	830	1200	1200	1200
	Note4 Vertical Use 	0°	1200	1200	1200	1200
		45°	730	1200	1200	1200
		90°	1200	1200	1200	1200
Note5	Estimated Condition		Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm	

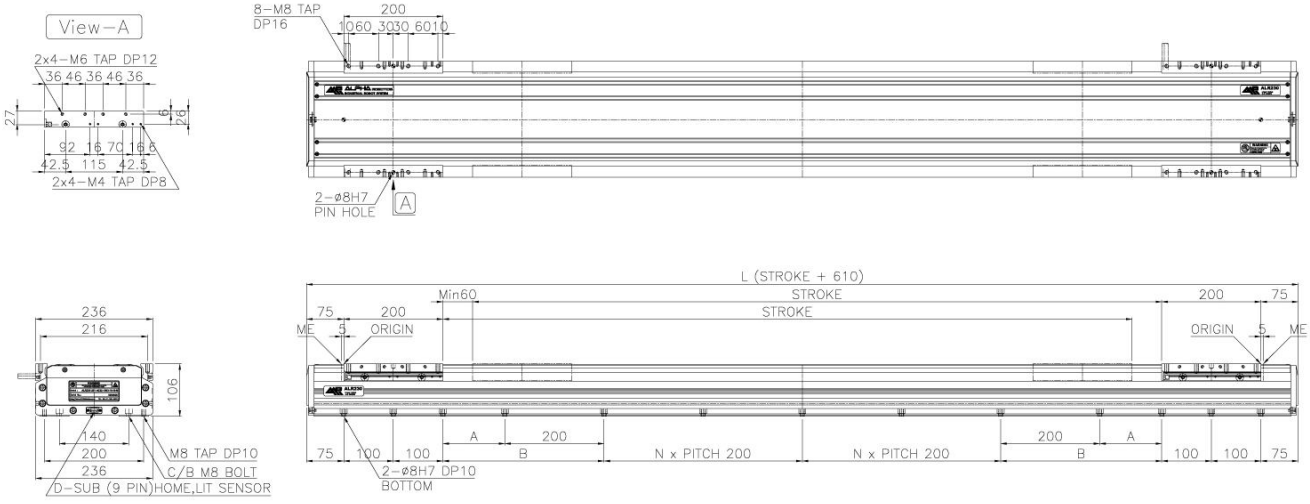
ALR230-1S1

* All dimensions in mm



ALR230-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1S1-A022	kgf	34.89	50.80	66.70	82.61	114.42	(3.18)
ALR230-2S1-A022	kgf	50.08	65.99	81.89	97.80	129.62	(3.18)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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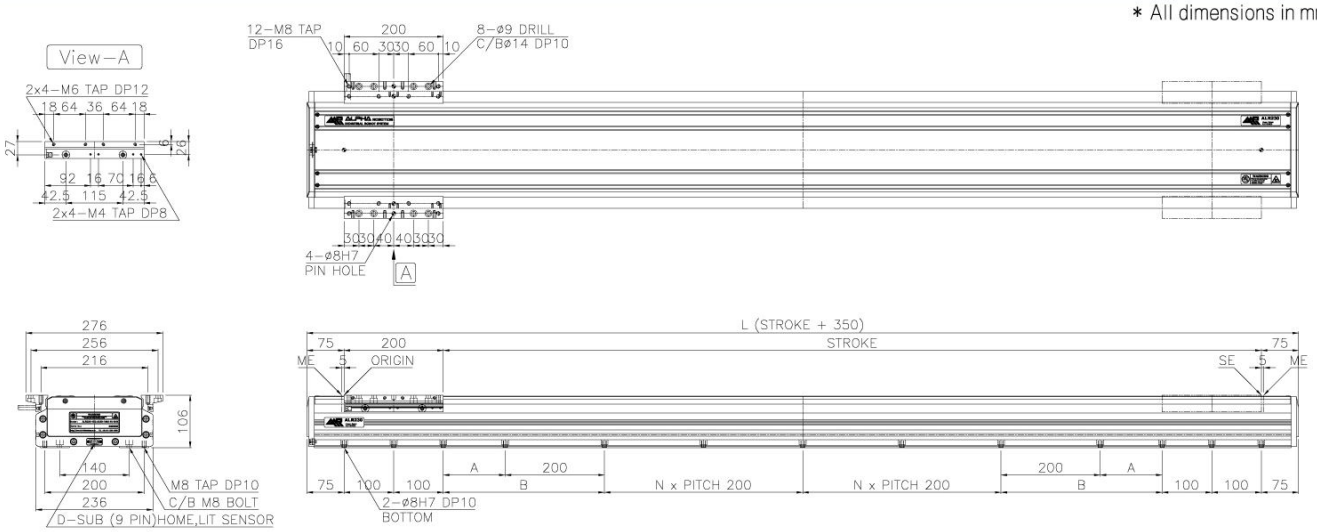
Model / Peak Force	ALR230-1S1 A022 220N	ALR230-1S2 A022 220N	ALR230-1S3 A022 220N	ALR230-1S1 A044 440N	ALR230-1S2 A044 440N	ALR230-1S3 A044 440N	ALR230-1S1 A060 600N	ALR230-1S2 A060 600N	ALR230-1S3 A060 600N	ALR230-1S1 A120 1200N	ALR230-1S2 A120 1200N	ALR230-1S3 A120 1200N

Specification	Unit	Data
ALR230-1S2-A022		ALR230-2S2-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 105
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	27	15	9	5
Allowable Overhang Distance - mm	Horizontal Use	0°	1200	1200	1200	1200
		45°	1200	1200	1200	1200
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	1200	1200	1200	1200
		45°	1200	1200	1200	1200
		90°	830	1200	1200	1200
	Note4 Vertical Use	0°	1200	1200	1200	1200
		45°	730	1200	1200	1200
		90°	1200	1200	1200	1200
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

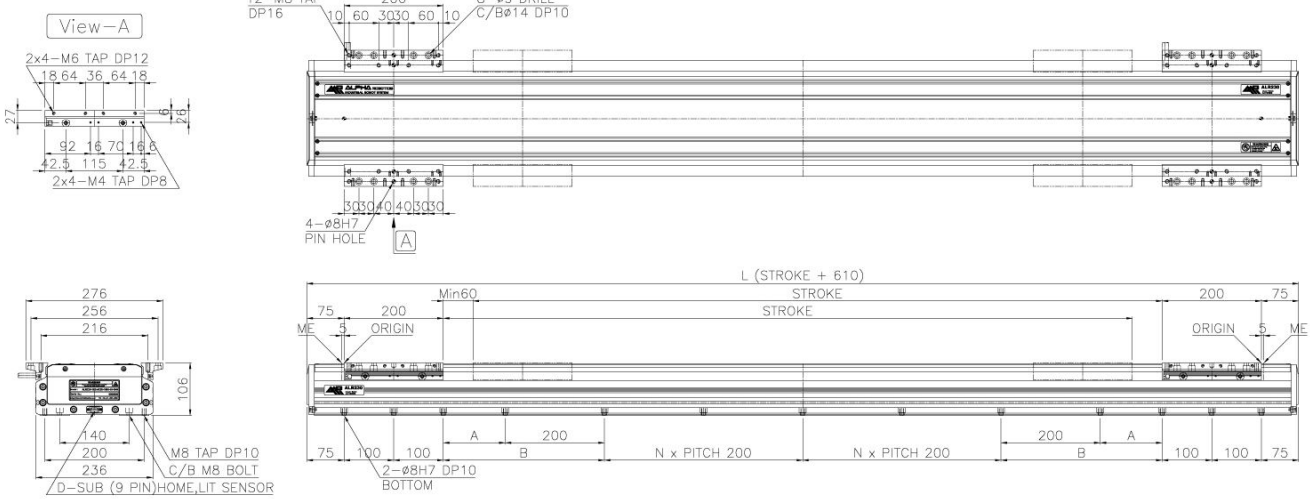
ALR230-1S2

* All dimensions in mm



ALR230-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1S2-A022	kgf	34.89	50.80	66.70	82.61	114.42	(3.18)
ALR230-2S2-A022	kgf	50.08	65.99	81.89	97.80	129.62	(3.18)

CAUTION

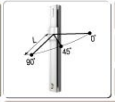
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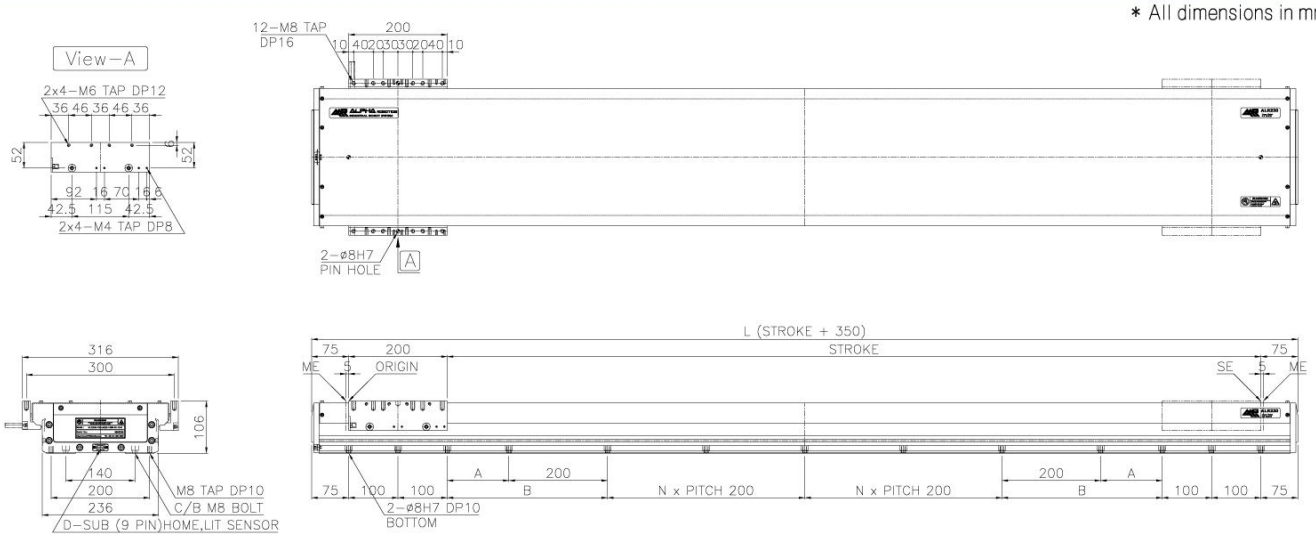
Model / Peak Force	ALR230-1S1 A022 220N	ALR230-1S2 A022 220N	ALR230-1S3 A022 220N	ALR230-1S1 A044 440N	ALR230-1S2 A044 440N	ALR230-1S3 A044 440N	ALR230-1S1 A060 600N	ALR230-1S2 A060 600N	ALR230-1S3 A060 600N	ALR230-1S1 A120 1200N	ALR230-1S2 A120 1200N	ALR230-1S3 A120 1200N

Specification	Unit	Data
ALR230-1S3-A022		ALR230-2S3-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 105
LM Guide	-	NO 25, 2Rail 4Block

Specification			Unit	Data			
Acceleration			G	0.3	0.5	0.7	1.0
Load			kgf	25	14	8	4
Allowable Overhang Distance - mm	Horizontal Use		0°	1200	1200	1200	1200
			45°	1200	1200	1200	1200
			90°	1200	1200	1200	1200
	Wall Installation Use		0°	1200	1200	1200	1200
			45°	1200	1200	1200	1200
			90°	880	1200	1200	1200
	Note4 Vertical Use		0°	1200	1200	1200	1200
			45°	765	1200	1200	1200
			90°	1200	1200	1200	1200
Note5	Estimated Condition		Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

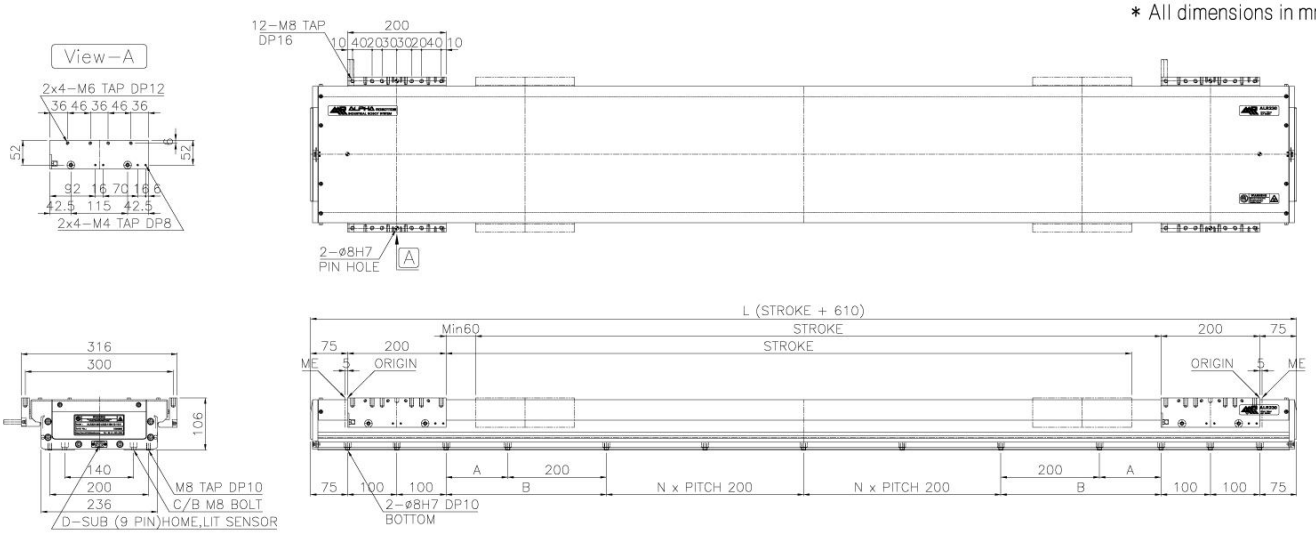
ALR230-1S3

* All dimensions in mm



ALR230-2S3

* All dimensions in mm



Model / Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1S3-A022	kgf	36.98	53.16	69.35	85.53	117.90	(3.24)
ALR230-2S3-A022	kgf	53.96	70.14	86.33	102.51	134.88	(3.24)

CAUTION

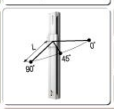
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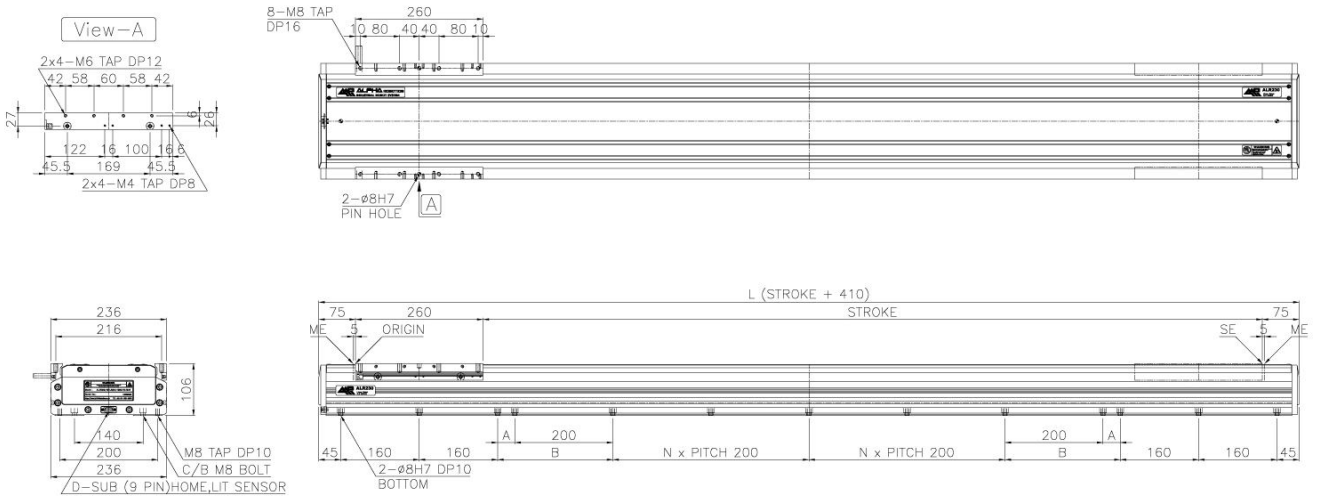
Model / Peak Force	ALR230-1S1 A022 220N	ALR230-1S2 A022 220N	ALR230-1S3 A022 220N	ALR230-1S1 A044 440N	ALR230-1S2 A044 440N	ALR230-1S3 A044 440N	ALR230-1S1 A060 600N	ALR230-1S2 A060 600N	ALR230-1S3 A060 600N	ALR230-1S1 A120 1200N	ALR230-1S2 A120 1200N	ALR230-1S3 A120 1200N

Specification	Unit	Data
ALR230-1S1-A044		ALR230-2S1-A044
		
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	67	40	28	18
Allowable Overhang Distance - mm	Horizontal Use 	0°	600	970	1200	1200
		45°	590	920	1200	1200
		90°	1200	1200	1200	1200
	Wall Installation Use 	0°	690	1102	1200	1200
		45°	705	1108	1200	1200
		90°	350	555	762	1154
	Note4 Vertical Use 	0°	780	1200	1200	1200
		45°	390	600	800	1200
		90°	780	1200	1200	1200
Note5	Estimated Condition		Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm	

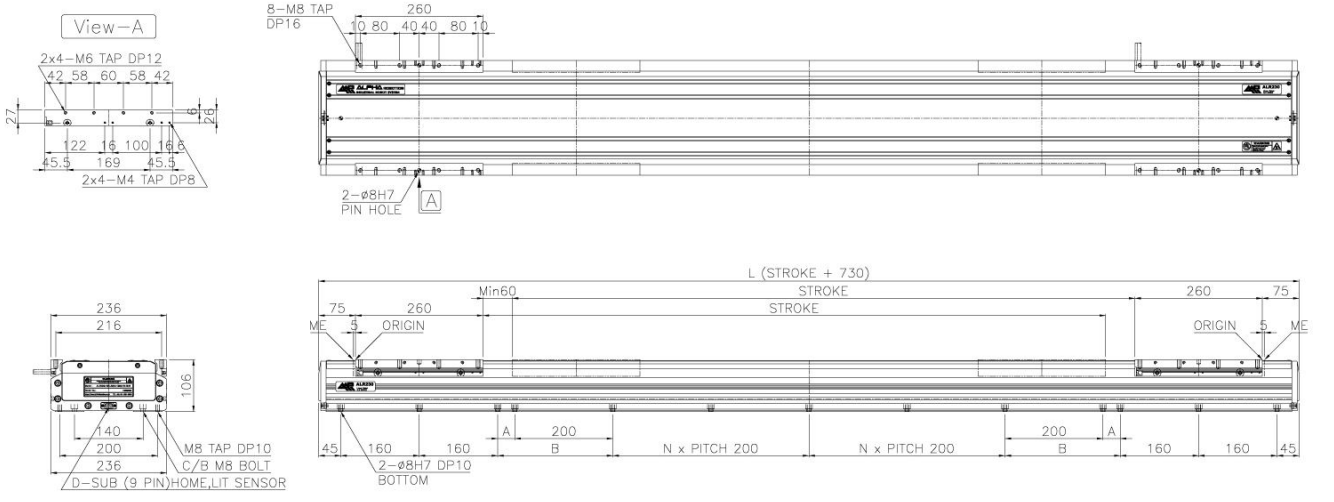
ALR230-1S1

* All dimensions in mm



ALR230-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1S1-A044	kgf	39.77	55.68	71.58	87.49	119.30	(3.18)
ALR230-2S1-A044	kgf	58.84	74.75	90.65	106.56	138.37	(3.18)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
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Apply 'B' value, in case of 'A' value is below of 80

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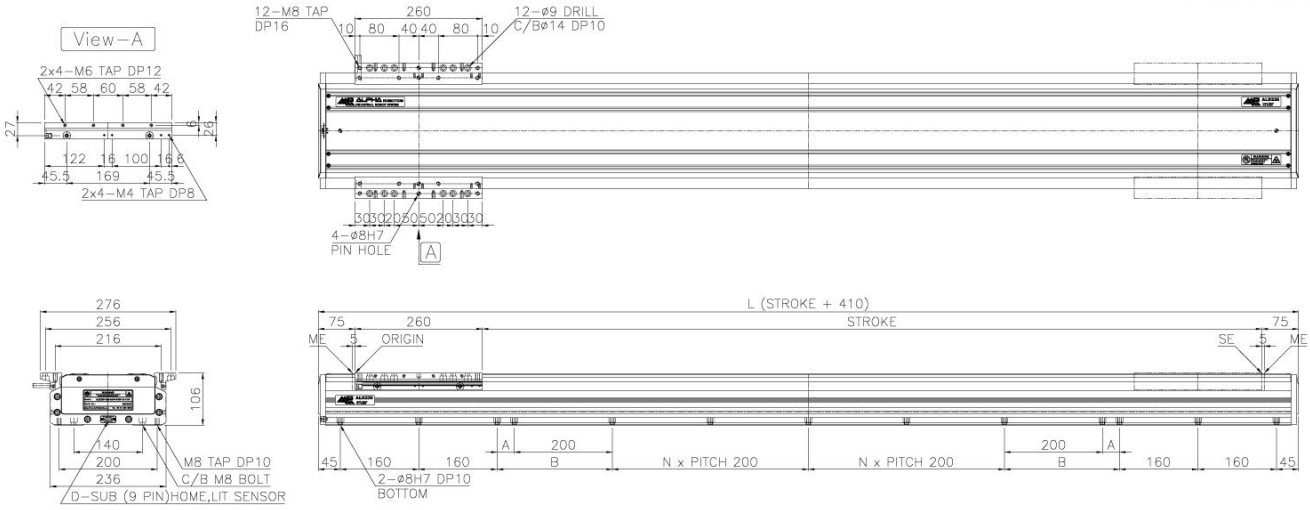
Model / Peak Force	ALR230-1S1 A022 220N	ALR230-1S2 A022 220N	ALR230-1S3 A022 220N	ALR230-1S1 A044 440N	ALR230-1S2 A044 440N	ALR230-1S3 A044 440N	ALR230-1S1 A060 600N	ALR230-1S2 A060 600N	ALR230-1S3 A060 600N	ALR230-1S1 A120 1200N	ALR230-1S2 A120 1200N	ALR230-1S3 A120 1200N

Specification	Unit	Data
ALR230-1S2-A044		ALR230-2S2-A044
		
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	67	40	28	18
Allowable Overhang Distance - mm	Horizontal Use	0°	600	970	1200	1200
		45°	590	920	1200	1200
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	690	1102	1200	1200
		45°	705	1108	1200	1200
		90°	350	555	762	1154
	Note4 Vertical Use	0°	780	1200	1200	1200
		45°	390	600	800	1200
		90°	780	1200	1200	1200
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

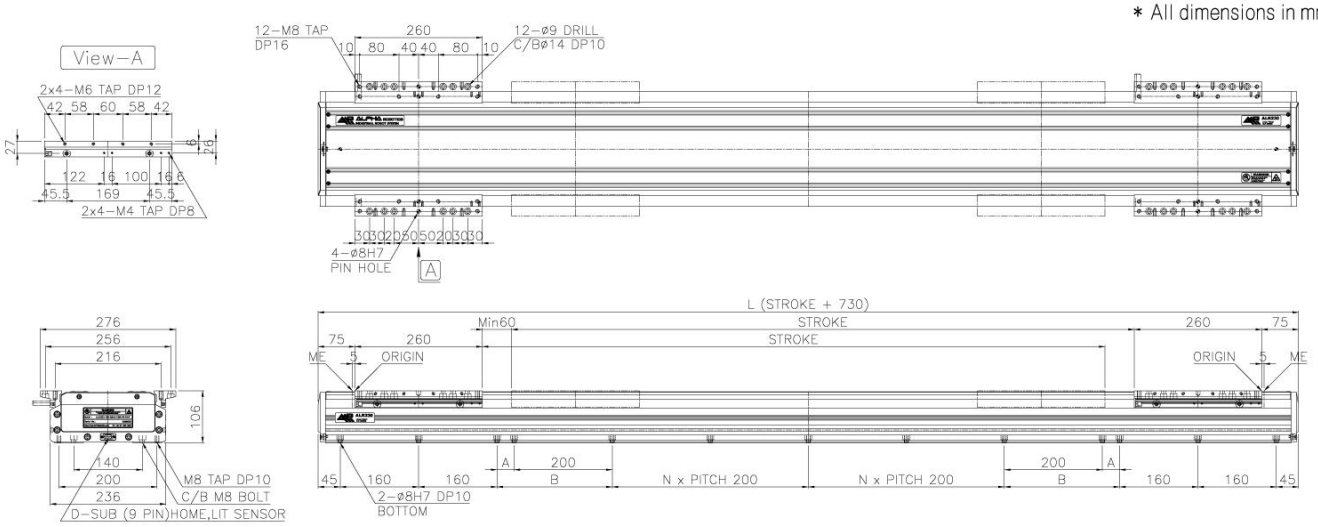
ALR230-1S2

* All dimensions in mm



ALR230-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1S2-A044	kgf	39.77	55.68	71.58	87.49	119.30	(3.18)
ALR230-2S2-A044	kgf	58.84	74.75	90.65	106.56	138.37	(3.18)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

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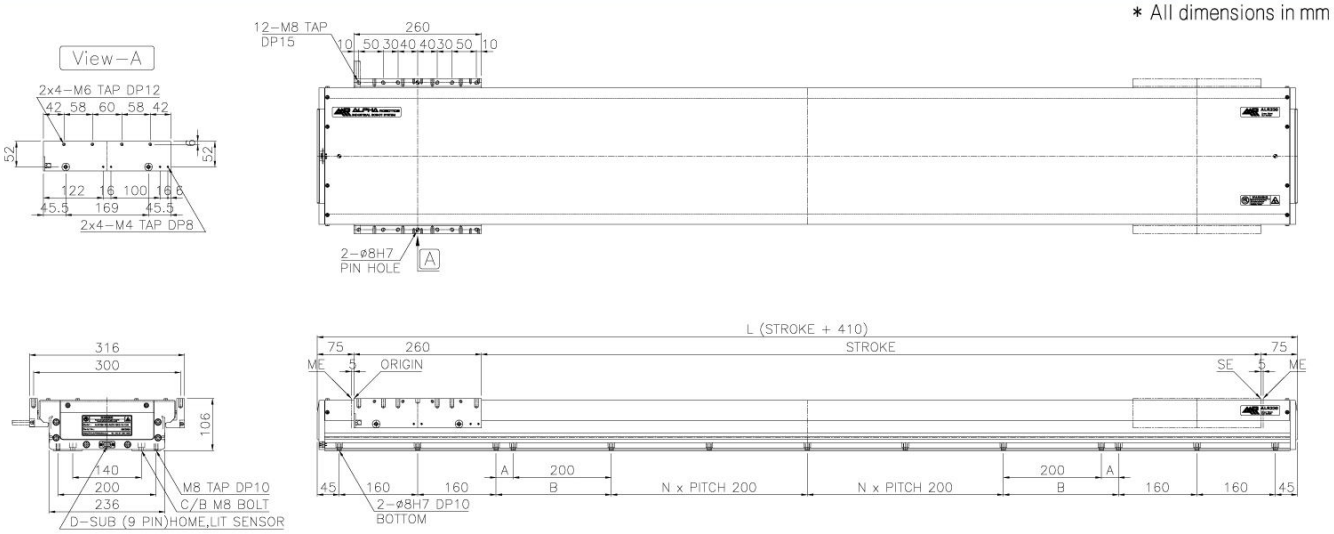
Model / Peak Force	ALR230-1S1 A022 220N	ALR230-1S2 A022 220N	ALR230-1S3 A022 220N	ALR230-1S1 A044 440N	ALR230-1S2 A044 440N	ALR230-1S3 A044 440N	ALR230-1S1 A060 600N	ALR230-1S2 A060 600N	ALR230-1S3 A060 600N	ALR230-1S1 A120 1200N	ALR230-1S2 A120 1200N	ALR230-1S3 A120 1200N

Specification	Unit	Data
ALR230-1S3-A044		ALR230-2S3-A044
		
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	66	38	26	16
Allowable Overhang Distance - mm	Horizontal Use	0°	620	1010	1200	1200
		45°	600	960	1200	1200
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	715	1148	1200	1200
		45°	715	1158	1200	1200
		90°	358	578	812	1200
	Note4 Vertical Use	0°	800	1200	1200	1200
		45°	400	620	860	1200
		90°	800	1200	1200	1200
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

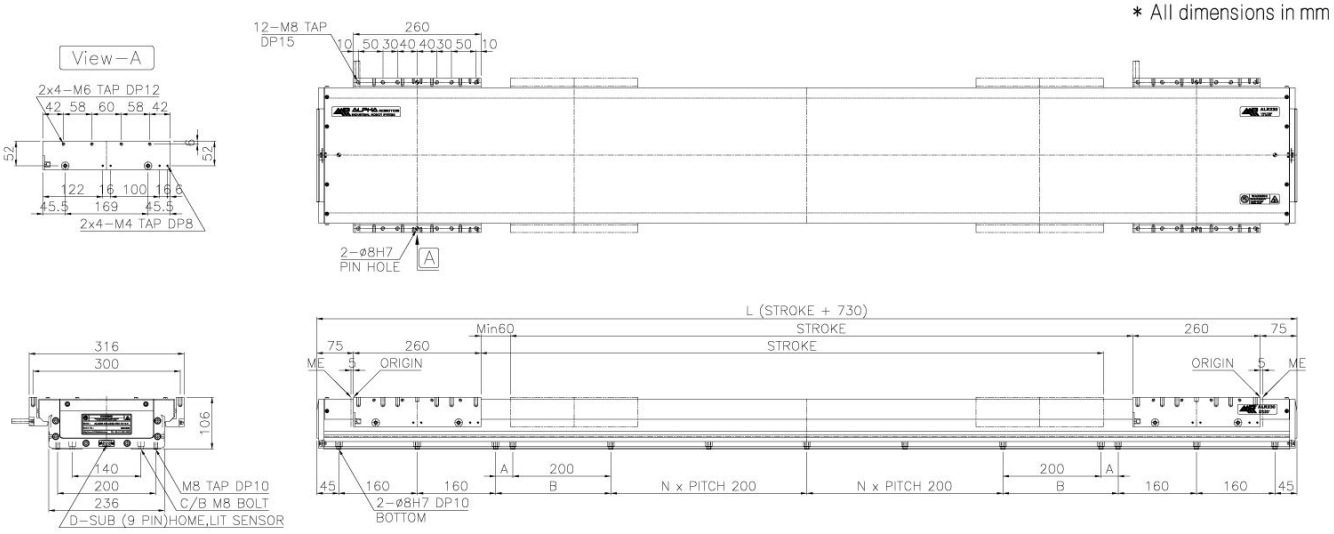
ALR230-1S3

* All dimensions in mm



ALR230-2S3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1S3-A044	kgf	42.38	58.57	74.75	90.94	123.31	(3.24)
ALR230-2S3-A044	kgf	63.76	79.95	96.13	112.32	144.69	(3.24)

CAUTION

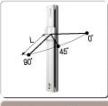
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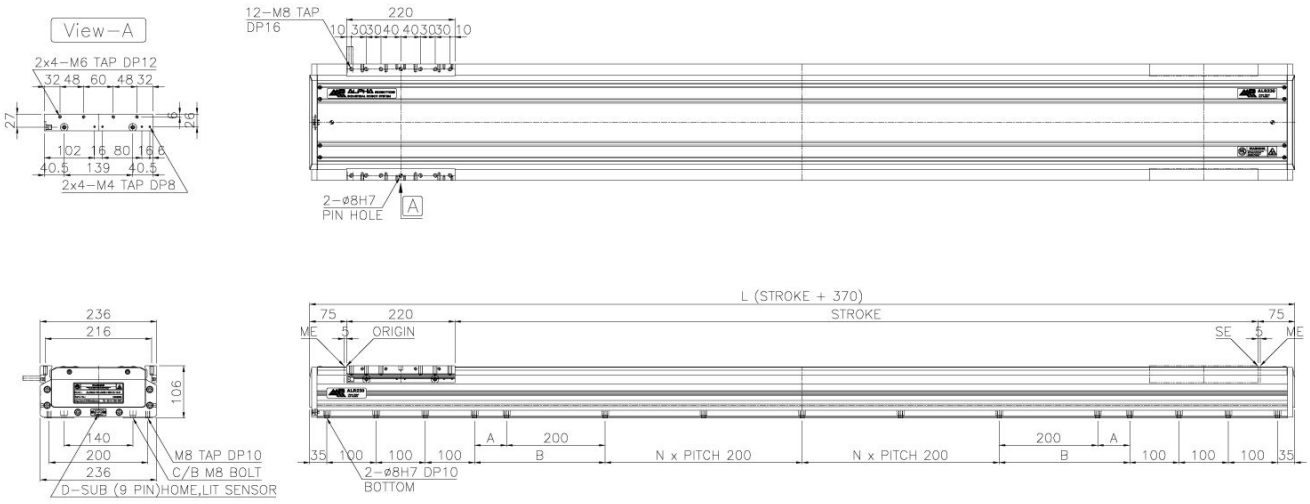
Model / Peak Force	ALR230-1S1 A022 220N	ALR230-1S2 A022 220N	ALR230-1S3 A022 220N	ALR230-1S1 A044 440N	ALR230-1S2 A044 440N	ALR230-1S3 A044 440N	ALR230-1S1 A060 600N	ALR230-1S2 A060 600N	ALR230-1S3 A060 600N	ALR230-1S1 A120 1200N	ALR230-1S2 A120 1200N	ALR230-1S3 A120 1200N

Specification	Unit	Data
ALR230-1S1-A060		ALR230-2S1-A060
		
Rated Force	N	280
Peak Force	N	600
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	103	63	44	29
Allowable Overhang Distance - mm	Horizontal Use 	0°	345	550	740	1080
		45°	330	510	670	940
		90°	1200	1200	1200	1200
	Wall Installation Use 	0°	320	512	697	1028
		45°	410	642	875	1200
		90°	180	287	389	568
	Note4 Vertical Use 	0°	390	580	770	1100
		45°	195	290	385	550
		90°	390	580	760	1100
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

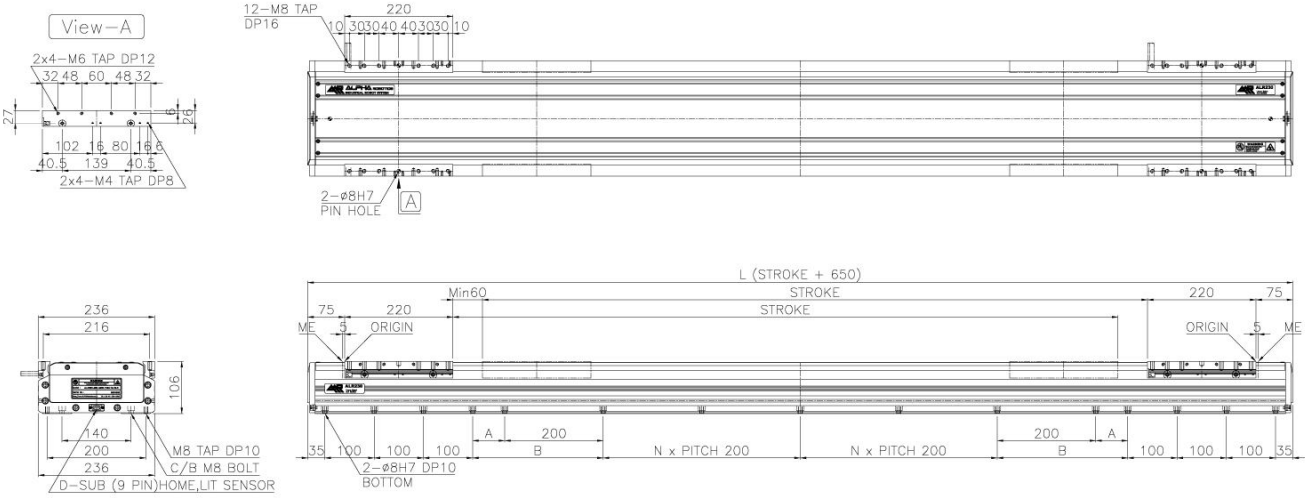
ALR230-1S1

* All dimensions in mm



ALR230-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1S1-A060	kgf	40.05	55.95	71.86	87.77	119.58	(3.18)
ALR230-2S1-A060	kgf	58.39	74.30	90.21	106.11	137.93	(3.18)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
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NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

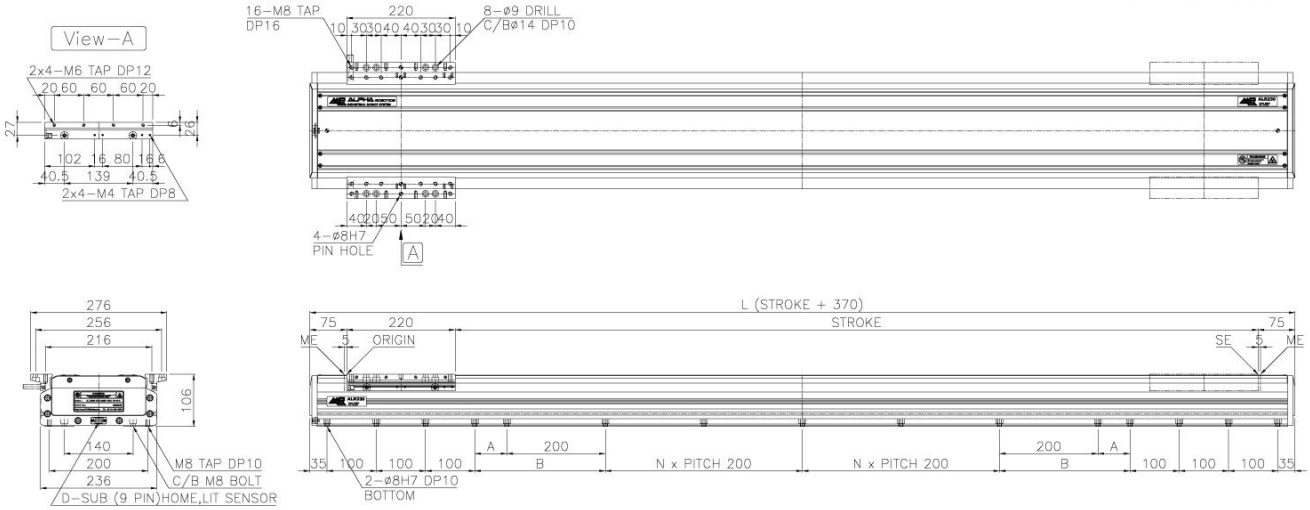
Model / Peak Force	ALR230-1S1 A022 220N	ALR230-1S2 A022 220N	ALR230-1S3 A022 220N	ALR230-1S1 A044 440N	ALR230-1S2 A044 440N	ALR230-1S3 A044 440N	ALR230-1S1 A060 600N	ALR230-1S2 A060 600N	ALR230-1S3 A060 600N	ALR230-1S1 A120 1200N	ALR230-1S2 A120 1200N	ALR230-1S3 A120 1200N

Specification	Unit	Data
ALR230-1S2-A060		ALR230-2S2-A060
		
Rated Force	N	280
Peak Force	N	600
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	103	63	44	29
Allowable Overhang Distance - mm	Horizontal Use	0°	345	550	740	1080
		45°	330	510	670	940
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	320	512	697	1028
		45°	410	642	875	1200
		90°	180	287	389	568
	Note4 Vertical Use	0°	390	580	770	1100
		45°	195	290	385	550
		90°	390	580	760	1100
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

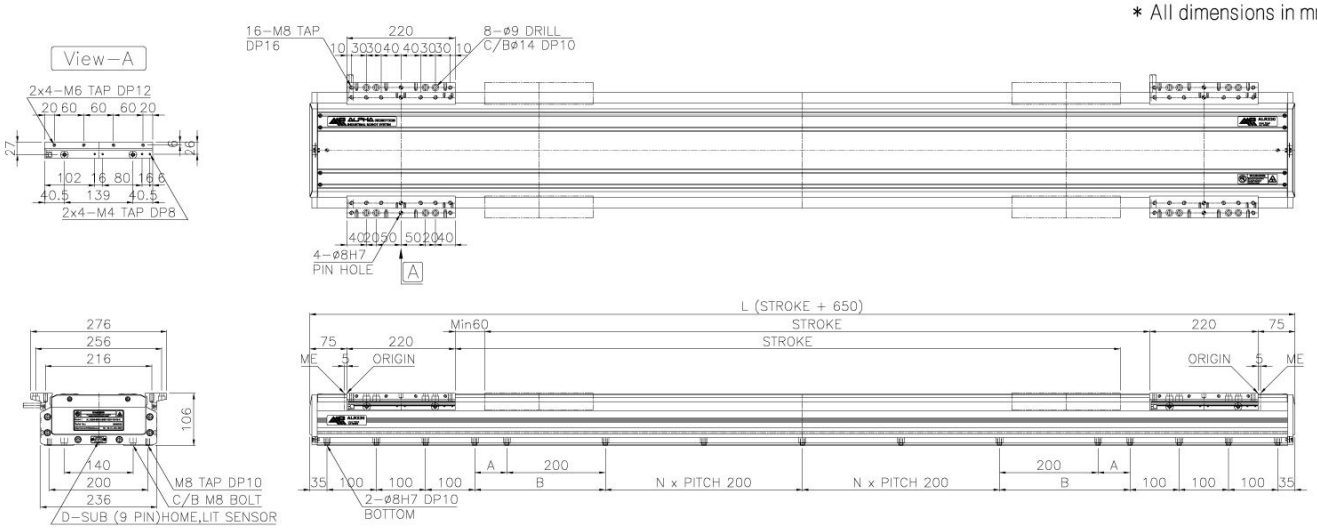
ALR230-1S2

* All dimensions in mm



ALR230-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1S2-A060	kgf	40.05	55.95	71.86	87.77	119.58	(3.18)
ALR230-2S2-A060	kgf	58.39	74.30	90.21	106.11	137.93	(3.18)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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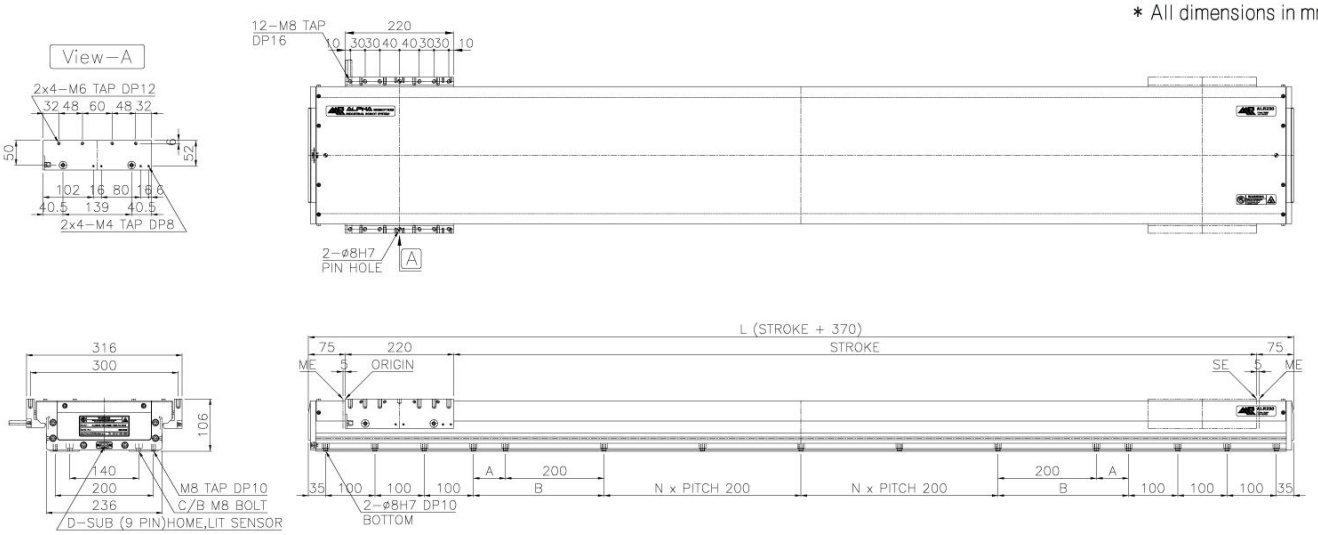
Model / Peak Force	ALR230-1S1 A022 220N	ALR230-1S2 A022 220N	ALR230-1S3 A022 220N	ALR230-1S1 A044 440N	ALR230-1S2 A044 440N	ALR230-1S3 A044 440N	ALR230-1S1 A060 600N	ALR230-1S2 A060 600N	ALR230-1S3 A060 600N	ALR230-1S1 A120 1200N	ALR230-1S2 A120 1200N	ALR230-1S3 A120 1200N

Specification	Unit	Data
ALR230-1S3-A060		ALR230-2S3-A060
		
Rated Force	N	280
Peak Force	N	600
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	102	62	43	28
Allowable Overhang Distance - mm	Horizontal Use	0°	350	560	770	1140
		45°	335	520	690	980
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	325	525	725	1089
		45°	420	658	900	1200
		90°	183	294	402	600
	Note4 Vertical Use	0°	395	590	790	1150
		45°	197	295	395	580
		90°	395	590	790	1150
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

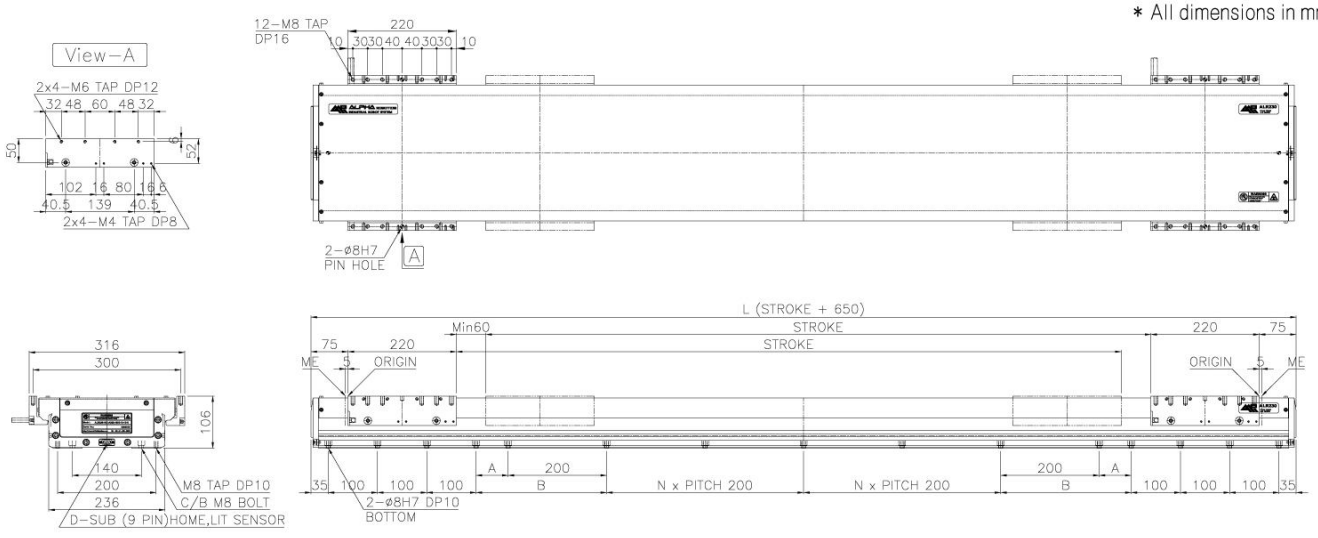
ALR230-1S3

* All dimensions in mm



ALR230-2S3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1S3-A060	kgf	42.32	58.50	74.69	90.87	123.24	(3.24)
ALR230-2S3-A060	kgf	62.63	78.82	95.00	111.19	143.56	(3.24)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
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Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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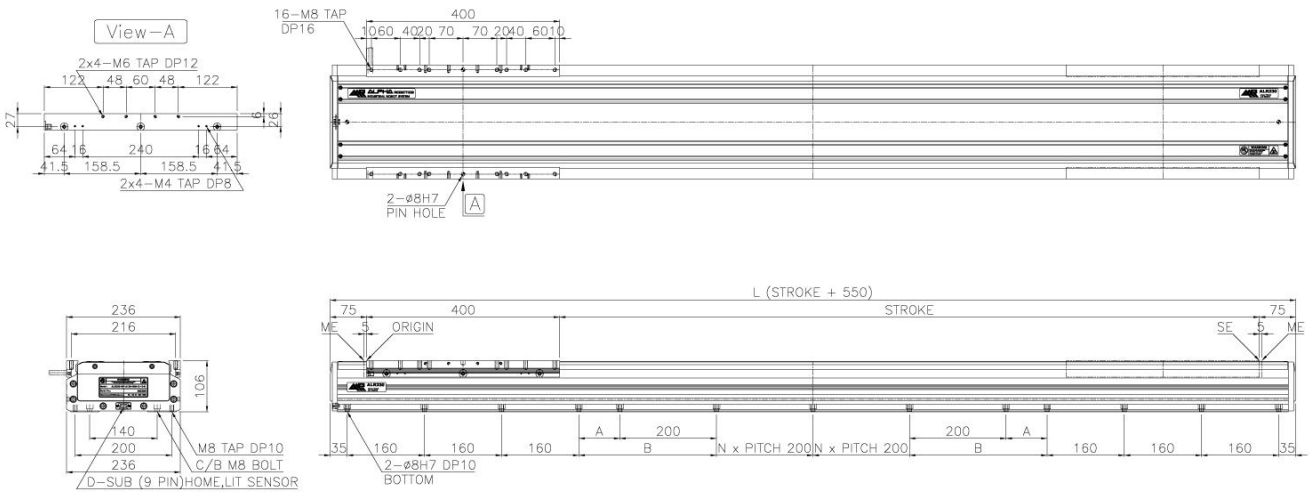
Model / Peak Force	ALR230-1S1 A022 220N	ALR230-1S2 A022 220N	ALR230-1S3 A022 220N	ALR230-1S1 A044 440N	ALR230-1S2 A044 440N	ALR230-1S3 A044 440N	ALR230-1S1 A060 600N	ALR230-1S2 A060 600N	ALR230-1S3 A060 600N	ALR230-1S1 A120 1200N	ALR230-1S2 A120 1200N	ALR230-1S3 A120 1200N

Specification	Unit	Data
ALR230-1S1-A120		ALR230-2S1-A120
		
Rated Force	N	560
Peak Force	N	1200
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 6Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	150	131	93	62
Allowable Overhang Distance - mm	Horizontal Use	0°	240	260	365	550
		45°	240	255	355	530
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	450	485	668	981
		45°	260	282	394	597
		90°	165	178	248	374
	Note4 Vertical Use	0°	565	590	760	1100
		45°	280	295	390	550
		90°	565	590	780	1100
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

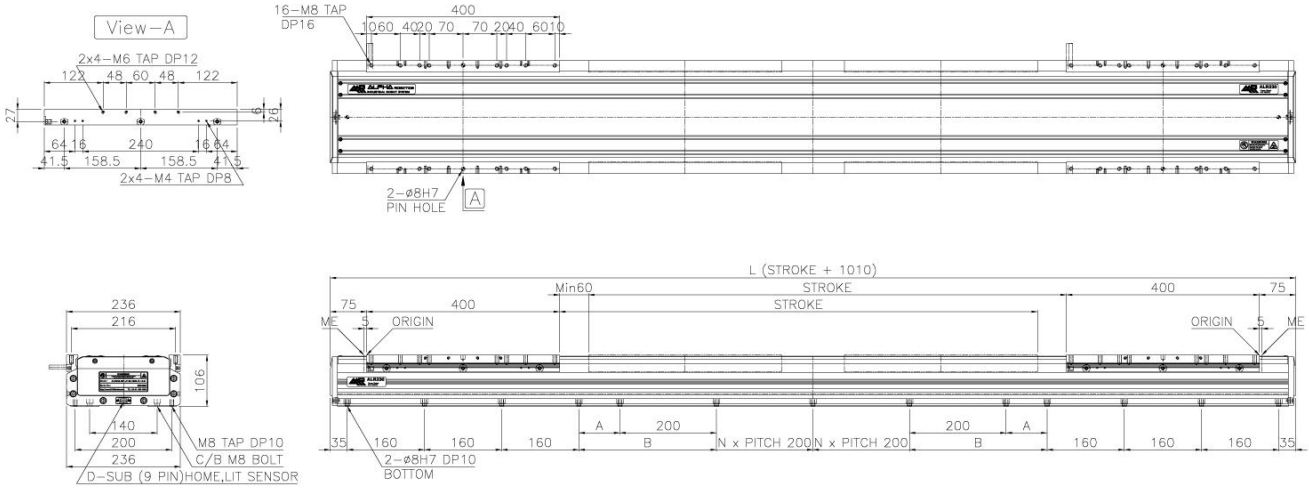
ALR230-1S1

* All dimensions in mm



ALR230-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1S1-A120	kgf	53.17	69.08	84.99	100.89	132.71	(3.18)
ALR230-2S1-A120	kgf	84.65	100.55	116.46	132.37	164.18	(3.18)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
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Apply 'B' value, in case of 'A' value is below of 80

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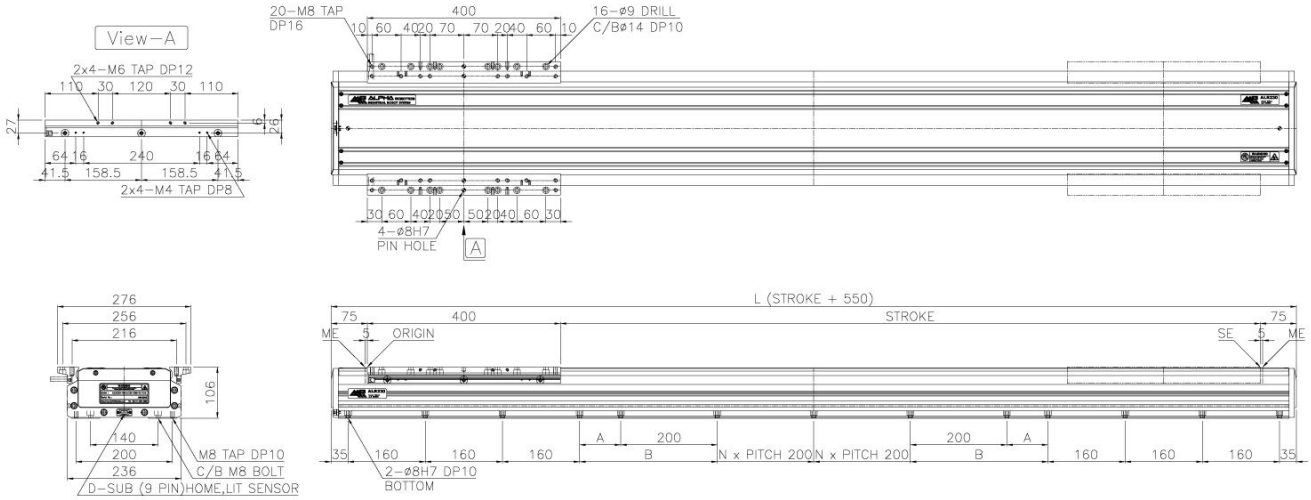
Model / Peak Force	ALR230-1S1 A022 220N	ALR230-1S2 A022 220N	ALR230-1S3 A022 220N	ALR230-1S1 A044 440N	ALR230-1S2 A044 440N	ALR230-1S3 A044 440N	ALR230-1S1 A060 600N	ALR230-1S2 A060 600N	ALR230-1S3 A060 600N	ALR230-1S1 A120 1200N	ALR230-1S2 A120 1200N	ALR230-1S3 A120 1200N

Specification	Unit	Data
ALR230-1S2-A120		ALR230-2S2-A120
		
Rated Force	N	560
Peak Force	N	1200
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 6Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	150	131	93	62
Allowable Overhang Distance - mm	Horizontal Use	0°	240	260	365	550
		45°	240	255	355	530
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	450	485	668	981
		45°	260	282	394	597
		90°	165	178	248	374
	Note4 Vertical Use	0°	565	590	760	1100
		45°	280	295	390	550
		90°	565	590	780	1100
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

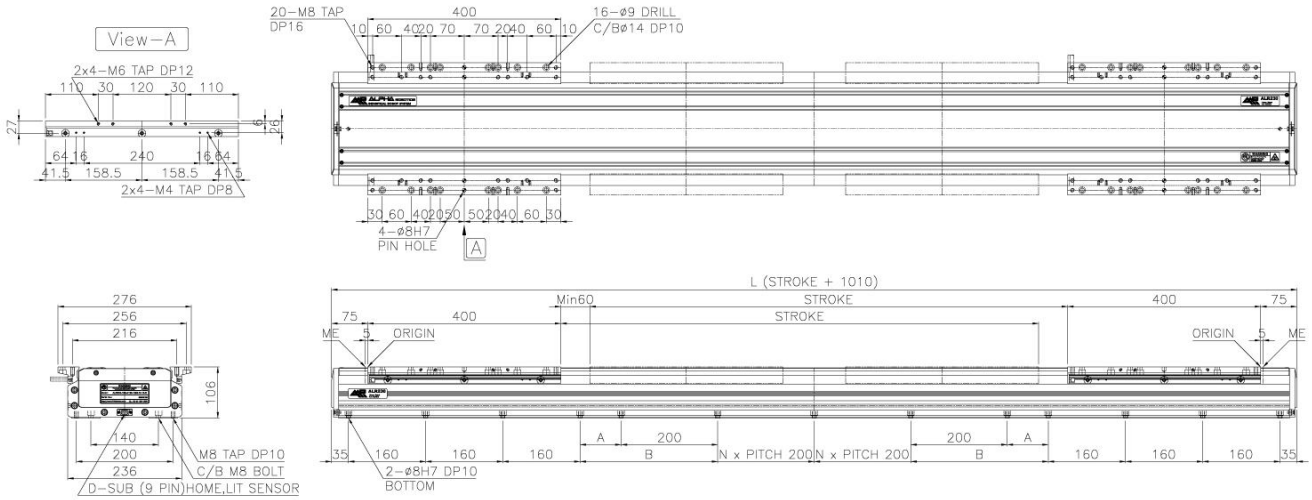
ALR230-1S2

* All dimensions in mm



ALR230-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1S2-A120	kgf	53.17	69.08	84.99	100.89	132.71	(3.18)
ALR230-2S2-A120	kgf	84.65	100.55	116.46	132.37	164.18	(3.18)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
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Apply 'B' value, in case of 'A' value is below of 80

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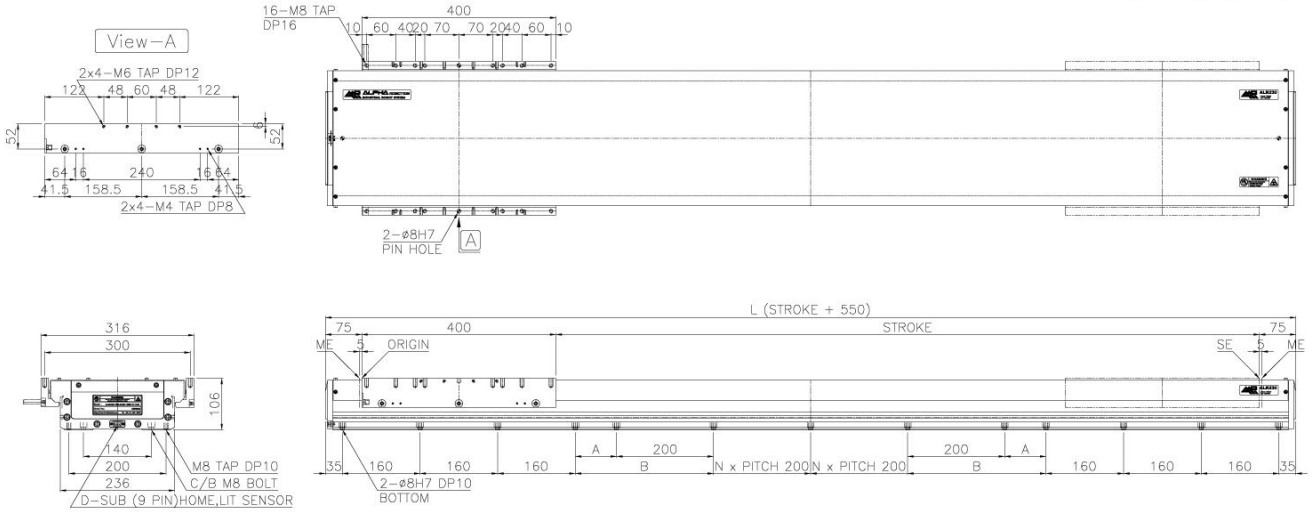
Model / Peak Force	ALR230-1S1 A022 220N	ALR230-1S2 A022 220N	ALR230-1S3 A022 220N	ALR230-1S1 A044 440N	ALR230-1S2 A044 440N	ALR230-1S3 A044 440N	ALR230-1S1 A060 600N	ALR230-1S2 A060 600N	ALR230-1S3 A060 600N	ALR230-1S1 A120 1200N	ALR230-1S2 A120 1200N	ALR230-1S3 A120 1200N

Specification	Unit	Data
ALR230-1S3-A120		
ALR230-2S3-A120		
Rated Force	N	560
Peak Force	N	1200
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 6Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	150	128	90	60
Allowable Overhang Distance - mm	Horizontal Use	0°	240	265	370	575
		45°	235	260	365	550
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	450	498	687	1025
		45°	260	288	408	624
		90°	165	181	258	392
	Note4 Vertical Use	0°	570	610	800	1150
		45°	285	300	400	580
		90°	565	600	800	1150
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

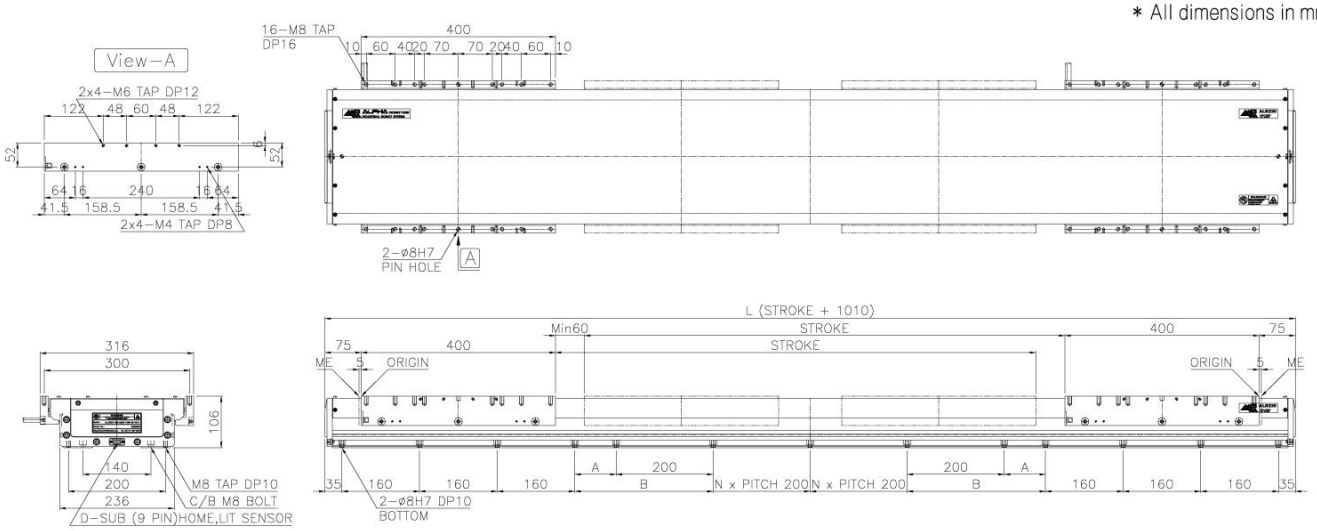
ALR230-1S3

* All dimensions in mm



ALR230-2S3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1S3-A120	kgf	57.01	73.20	89.38	105.57	137.94	(3.24)
ALR230-2S3-A120	kgf	92.02	108.21	124.39	140.58	172.95	(3.24)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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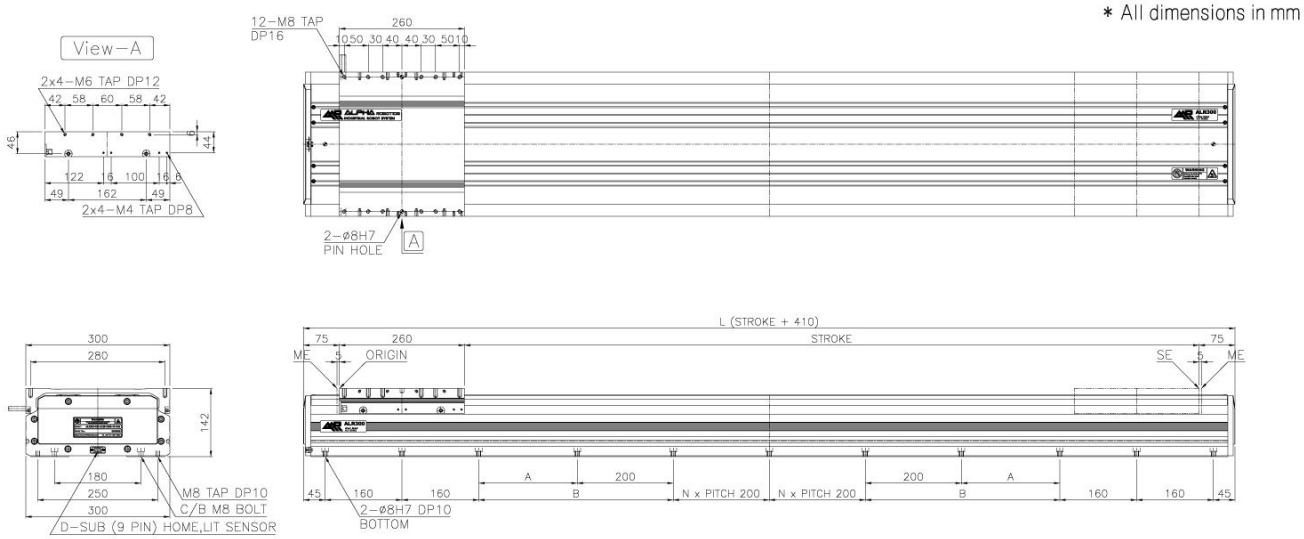
Model / Peak Force	ALR300-1S1 A120 1200N	ALR300-1S2 A120 1200N	ALR300-1S3 A120 1200N	ALR300-1S1 A240 2400N	ALR300-1S2 A240 2400N	ALR300-1S3 A240 2400N		

Specification	Unit	Data
ALR300-1S1-A120		ALR300-2S1-A120
Rated Force	N	560
Peak Force	N	1200
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
Max. Load	kgf	Note3 200
LM Guide	-	NO 30, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	200	130	91	61
Allowable Overhang Distance - mm	Horizontal Use	0°	225	350	475	690
		45°	215	315	420	580
		90°	1030	1170	1320	1500
	Wall Installation Use	0°	165	260	360	535
		45°	280	425	575	820
		90°	105	160	220	325
	Note4 Vertical Use	0°	225	320	420	595
		45°	113	160	210	295
		90°	225	320	420	590
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

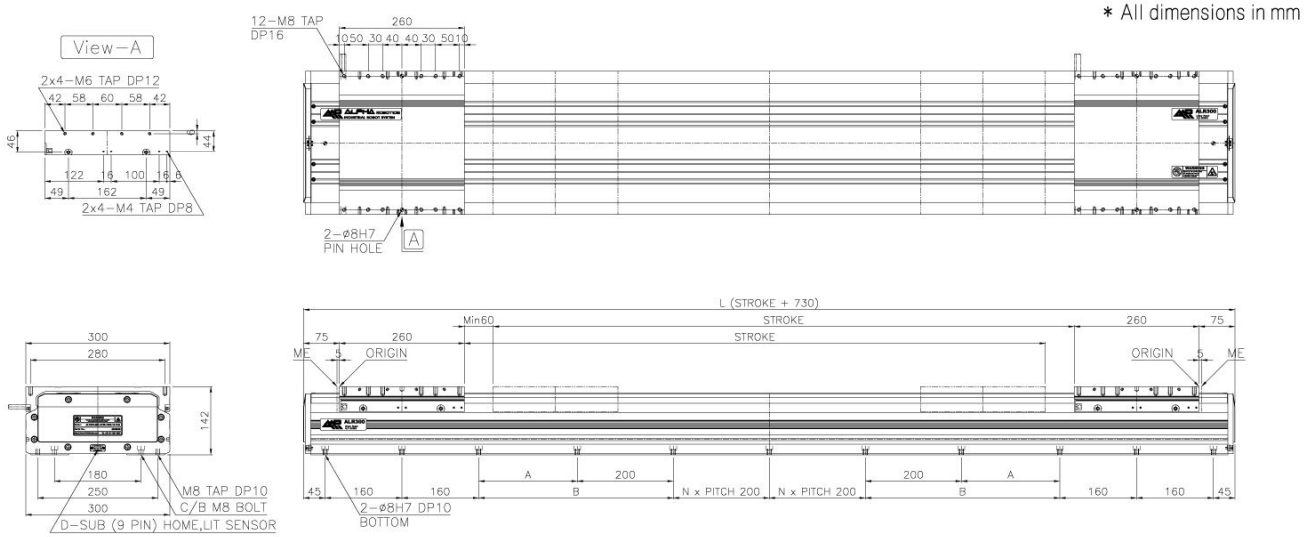
ALR300-1S1

* All dimensions in mm



ALR300-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR300-1S1-A120	kgf	69.99	97.39	124.78	152.18	206.98	(5.48)
ALR300-2S1-A120	kgf	102.75	130.14	157.54	184.94	239.73	(5.48)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

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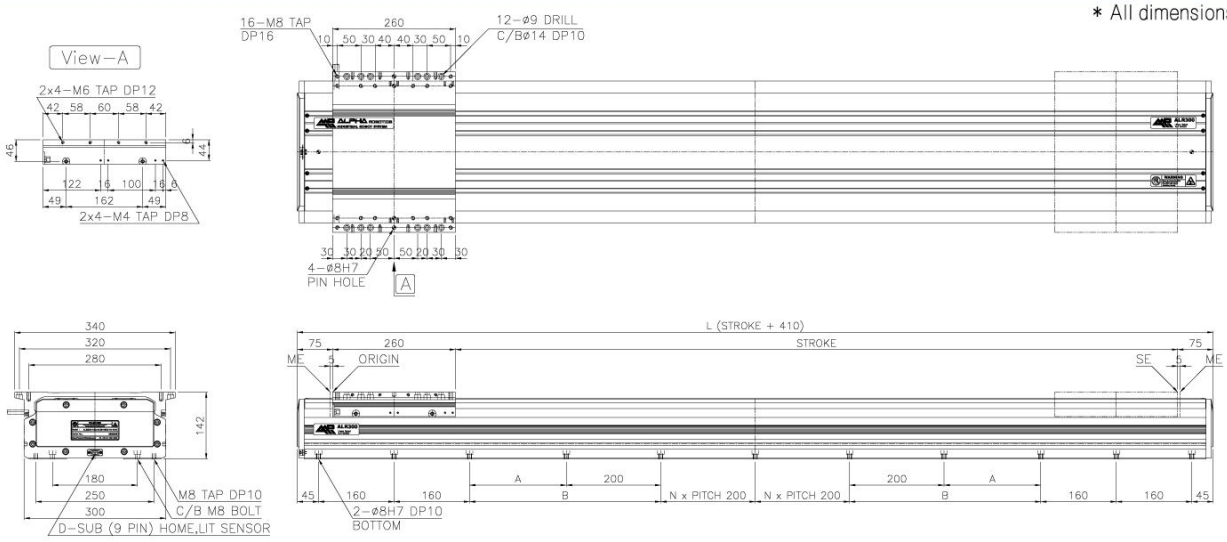
Model / Peak Force	ALR300-1S1 A120 1200N	ALR300-1S2 A120 1200N	ALR300-1S3 A120 1200N	ALR300-1S1 A240 2400N	ALR300-1S2 A240 2400N	ALR300-1S3 A240 2400N		

Specification	Unit	Data
ALR300-1S2-A120		ALR300-2S2-A120
		
Rated Force	N	560
Peak Force	N	1200
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
Max. Load	kgf	Note3 200
LM Guide	-	NO 30, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	200	130	91	61
Allowable Overhang Distance - mm	Horizontal Use	0°	225	350	475	690
		45°	215	315	420	580
		90°	1030	1170	1320	1500
	Wall Installation Use	0°	165	260	360	535
		45°	280	425	575	820
		90°	105	160	220	325
	Note4 Vertical Use	0°	225	320	420	595
		45°	113	160	210	295
		90°	225	320	420	590
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

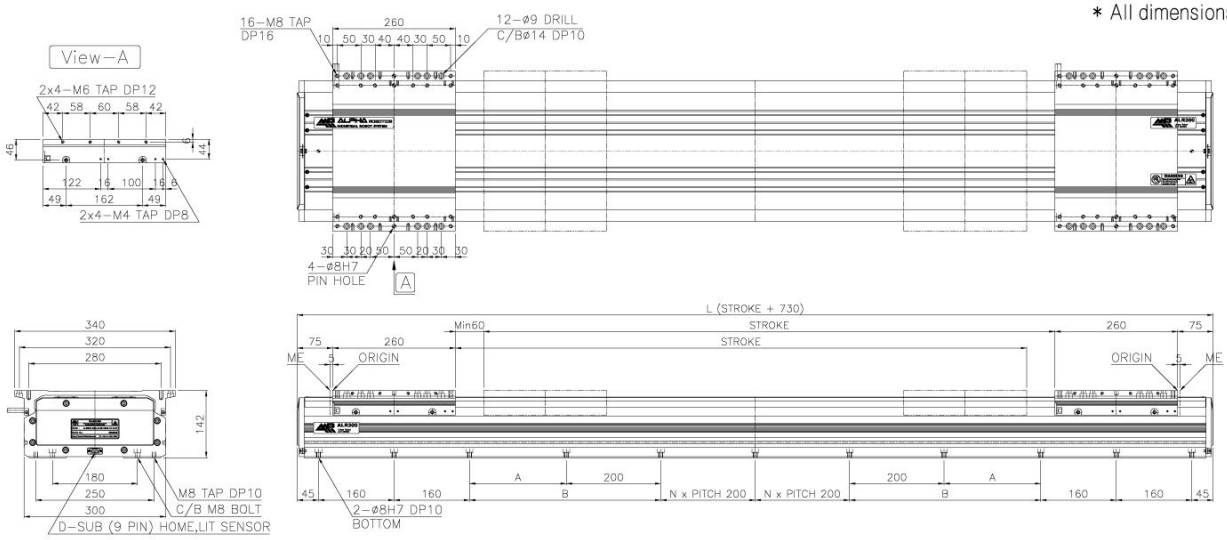
ALR300-1S2

* All dimensions in mm



ALR300-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR300-1S2-A120	kgf	69.99	97.39	124.78	152.18	206.98	(5.48)
ALR300-2S2-A120	kgf	102.75	130.14	157.54	184.94	239.73	(5.48)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
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Apply 'B' value, in case of 'A' value is below of 80

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NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

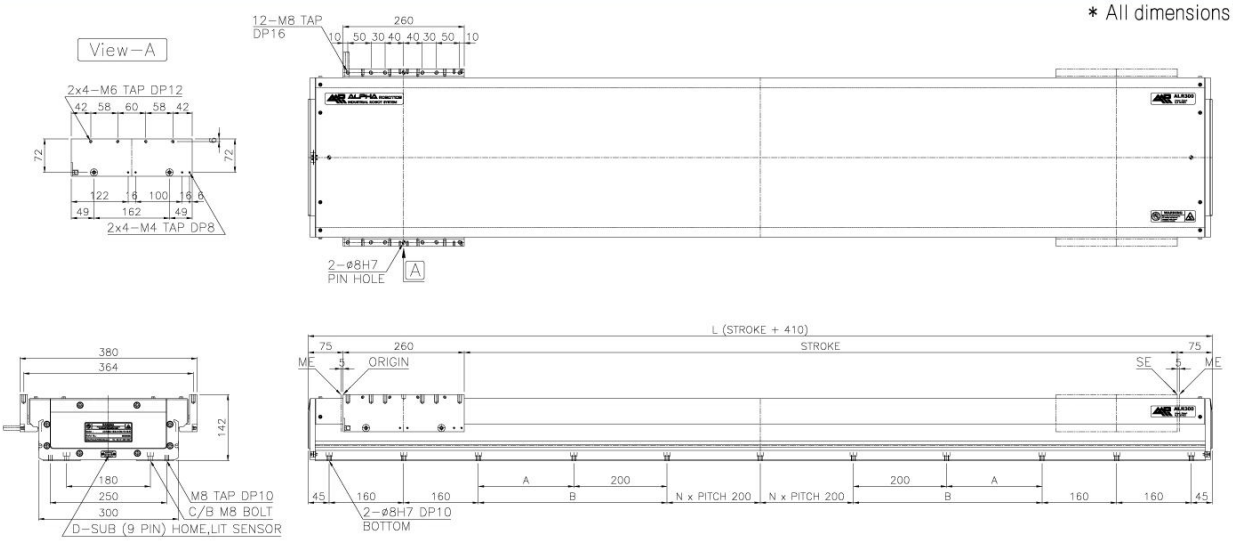
Model / Peak Force	ALR300-1S1 A120 1200N	ALR300-1S2 A120 1200N	ALR300-1S3 A120 1200N	ALR300-1S1 A240 2400N	ALR300-1S2 A240 2400N	ALR300-1S3 A240 2400N		

Specification	Unit	Data
ALR300-1S3-A120		ALR300-2S3-A120
		
Rated Force	N	560
Peak Force	N	1200
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
Max. Load	kgf	Note3 200
LM Guide	-	NO 30, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	200	129	91	61
Allowable Overhang Distance - mm	Horizontal Use	0°	225	350	475	690
		45°	215	315	420	580
		90°	1030	1180	1330	1500
	Wall Installation Use	0°	165	260	360	540
		45°	280	425	580	830
		90°	105	163	225	330
	Note4 Vertical Use	0°	225	320	420	600
		45°	113	160	210	300
		90°	225	320	420	600
Note5	Estimated Condition	Max Speed : 2000 mm/sec Life Time : 15000 hr Waiting Time : 0 sec Stroke : 2000 mm				

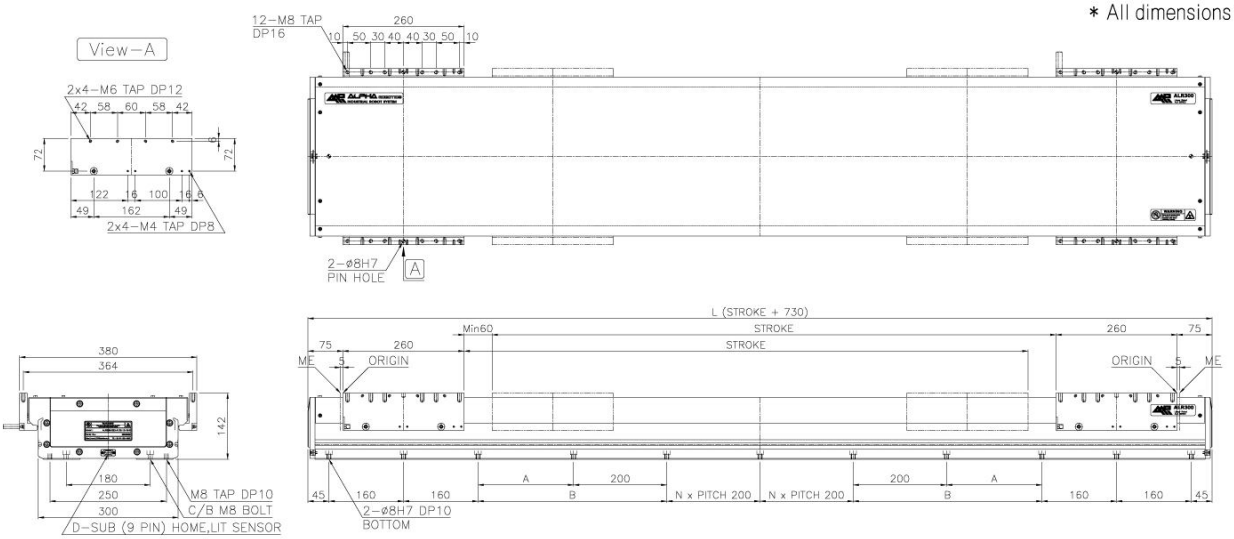
ALR300-1S3

* All dimensions in mm



ALR300-2S3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR300-1S3-A120	kgf	69.55	96.33	123.12	149.90	203.47	(5.36)
ALR300-2S3-A120	kgf	102.57	129.35	156.14	182.92	236.49	(5.36)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
NOTE3 It is differed by an operating conditions.
NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

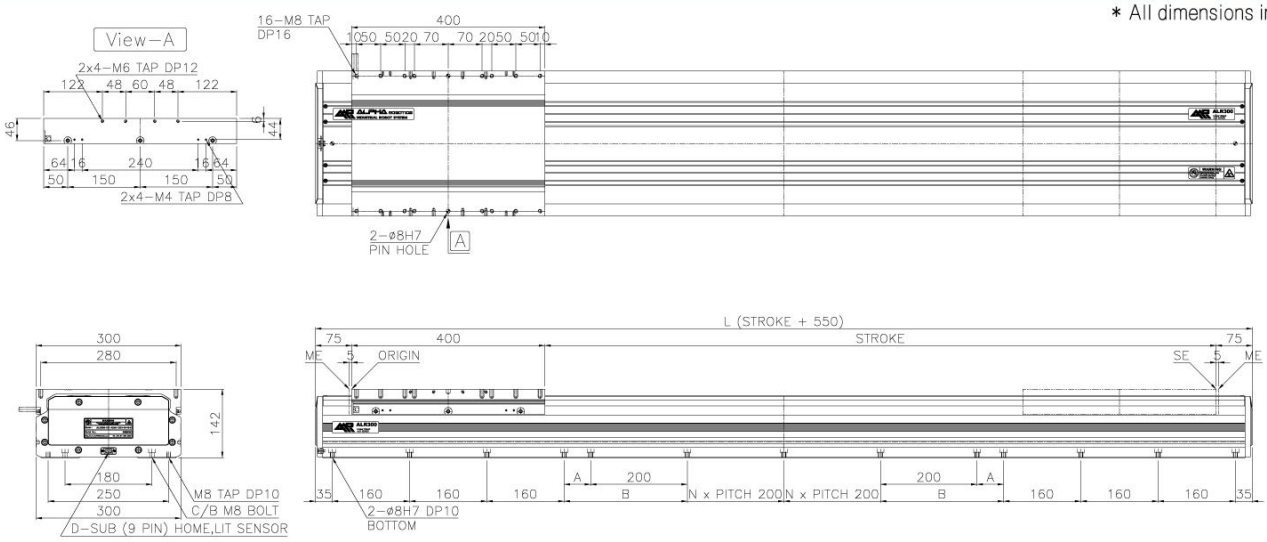
Model / Peak Force	ALR300-1S1 A120 1200N	ALR300-1S2 A120 1200N	ALR300-1S3 A120 1200N	ALR300-1S1 A240 2400N	ALR300-1S2 A240 2400N	ALR300-1S3 A240 2400N		

Specification	Unit	Data
ALR300-1S1-A240		ALR300-2S1-A240
		
Rated Force	N	1120
Peak Force	N	2400
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
Max. Load	kgf	Note3 200
LM Guide	-	NO 30, 2Rail 6Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	200	200	191	129
Allowable Overhang Distance - mm	Horizontal Use	0°	250	220	220	335
		45°	250	215	210	325
		90°	1500	1500	1400	1500
	Wall Installation Use	0°	370	315	315	480
		45°	275	240	240	365
		90°	160	135	135	210
	Note4 Vertical Use	0°	485	430	425	590
		45°	240	215	210	295
		90°	480	430	420	590
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

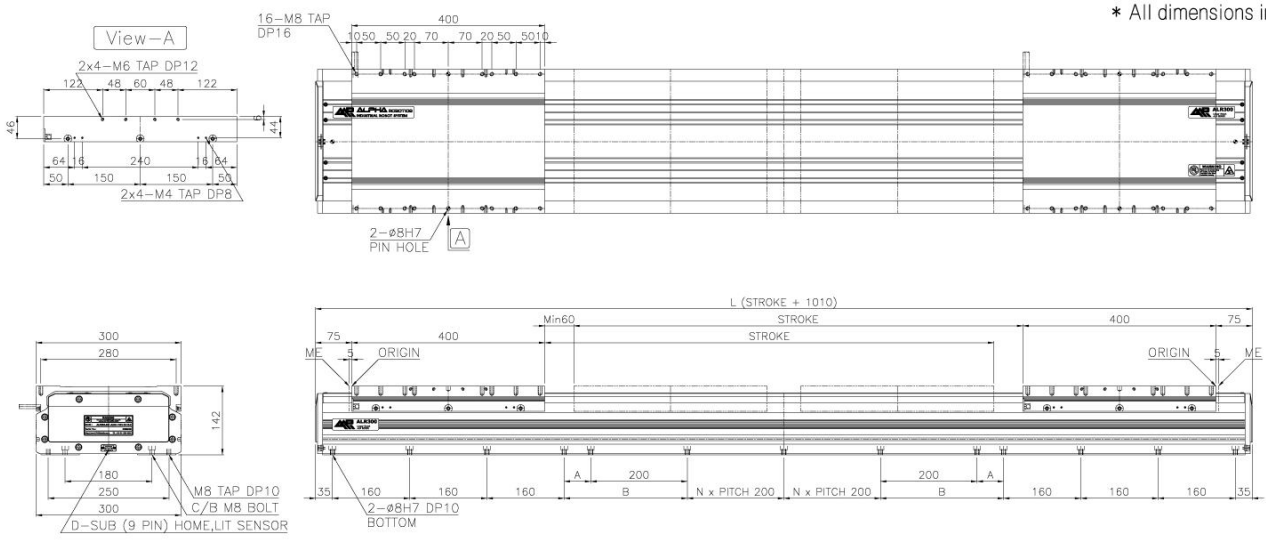
ALR300-1S1

* All dimensions in mm



ALR300-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR300-1S1-A240	kgf	91.21	118.61	146.01	173.41	228.20	(5.48)
ALR300-2S1-A240	kgf	146.29	173.69	201.08	228.48	283.28	(5.48)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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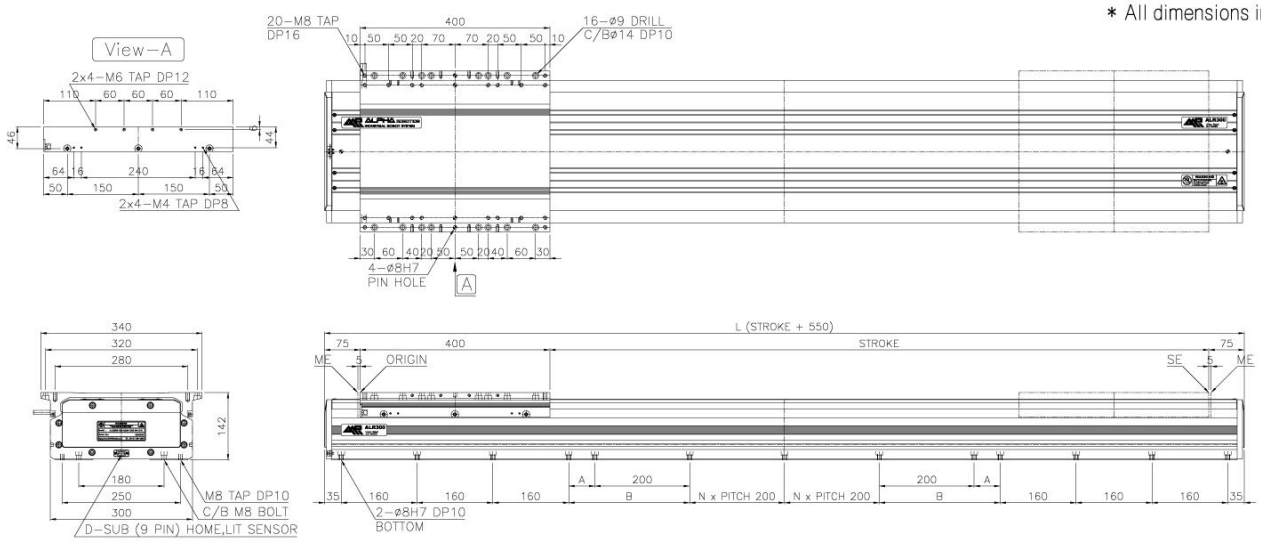
Model / Peak Force	ALR300-1S1 A120 1200N	ALR300-1S2 A120 1200N	ALR300-1S3 A120 1200N	ALR300-1S1 A240 2400N	ALR300-1S2 A240 2400N	ALR300-1S3 A240 2400N		

Specification	Unit	Data
ALR300-1S2-A240		ALR300-2S2-A240
		
Rated Force	N	1120
Peak Force	N	2400
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
Max. Load	kgf	Note3 200
LM Guide	-	NO 30, 2Rail 6Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	200	200	191	129
Allowable Overhang Distance - mm	Horizontal Use	0°	250	220	220	335
		45°	250	215	210	325
		90°	1500	1500	1400	1500
	Wall Installation Use	0°	370	315	315	480
		45°	275	240	240	365
		90°	160	135	135	210
	Note4 Vertical Use	0°	485	430	425	590
		45°	240	215	210	295
		90°	480	430	420	590
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

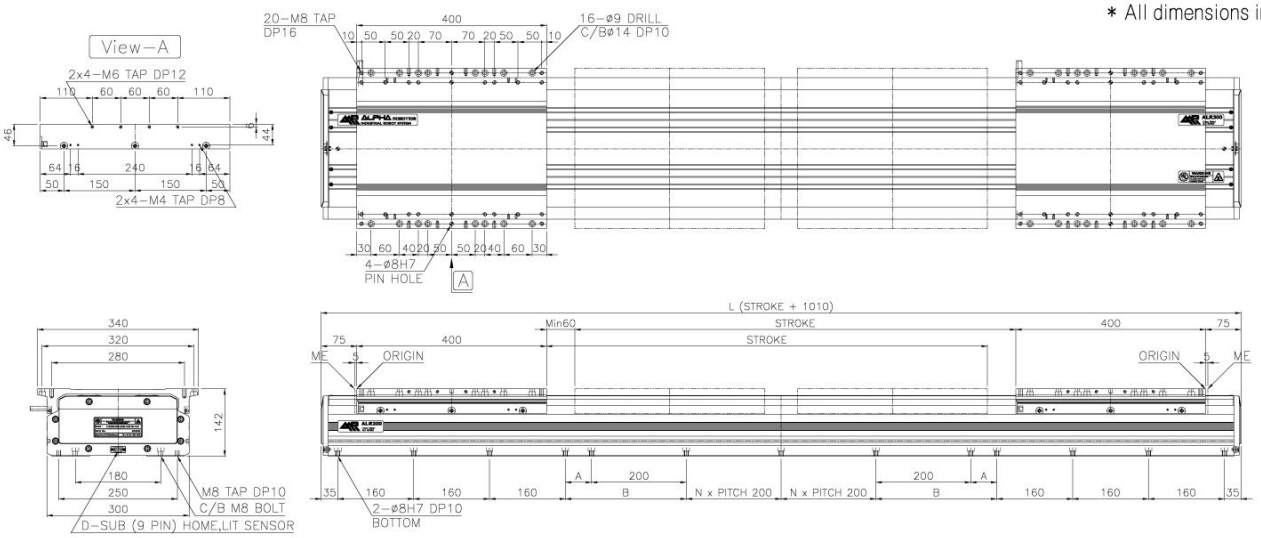
ALR300-1S2

* All dimensions in mm



ALR300-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR300-1S2-A240	kgf	91.21	118.61	146.01	173.41	228.20	(5.48)
ALR300-2S2-A240	kgf	146.29	173.69	201.08	228.48	283.28	(5.48)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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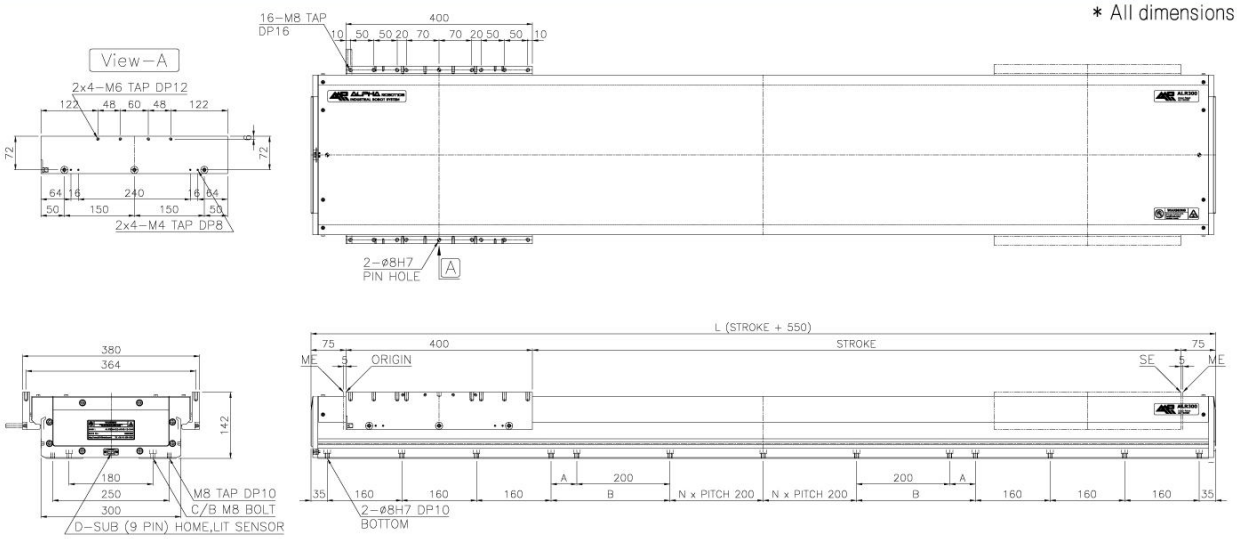
Model / Peak Force	ALR300-1S1 A120 1200N	ALR300-1S2 A120 1200N	ALR300-1S3 A120 1200N	ALR300-1S1 A240 2400N	ALR300-1S2 A240 2400N	ALR300-1S3 A240 2400N

Specification	Unit	Data
ALR300-1S3-A240		ALR300-2S3-A240
		
Rated Force	N	1120
Peak Force	N	2400
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
Max. Load	kgf	Note3 200
LM Guide	-	NO 30, 2Rail 6Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	200	200	190	129
Allowable Overhang Distance - mm	Horizontal Use	0°	250	220	220	340
		45°	250	215	210	325
		90°	1500	1500	1400	1500
	Wall Installation Use	0°	370	320	320	485
		45°	280	240	240	370
		90°	160	136	135	210
	Note4 Vertical Use	0°	485	430	425	595
		45°	240	215	210	300
		90°	480	430	425	600
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

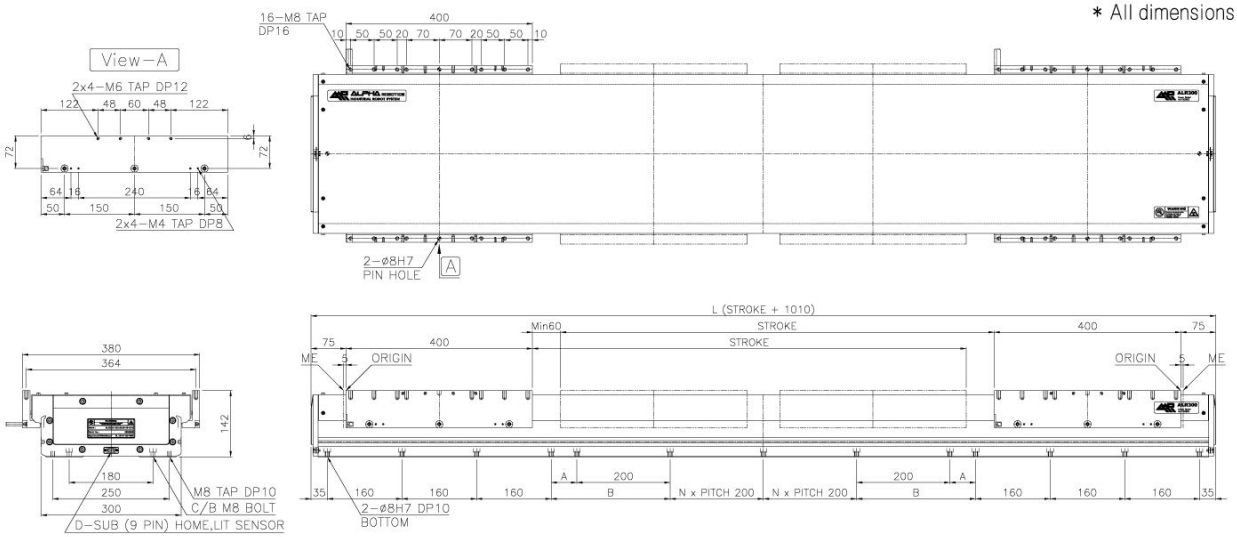
ALR300-1S3

* All dimensions in mm



ALR300-2S3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR300-1S3-A240	kgf	90.86	117.65	144.43	171.21	224.78	(5.36)
ALR300-2S3-A240	kgf	146.26	173.05	199.83	226.61	280.18	(5.36)

CAUTION

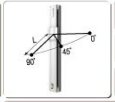
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Apply 'B' value, in case of 'A' value is below of 80

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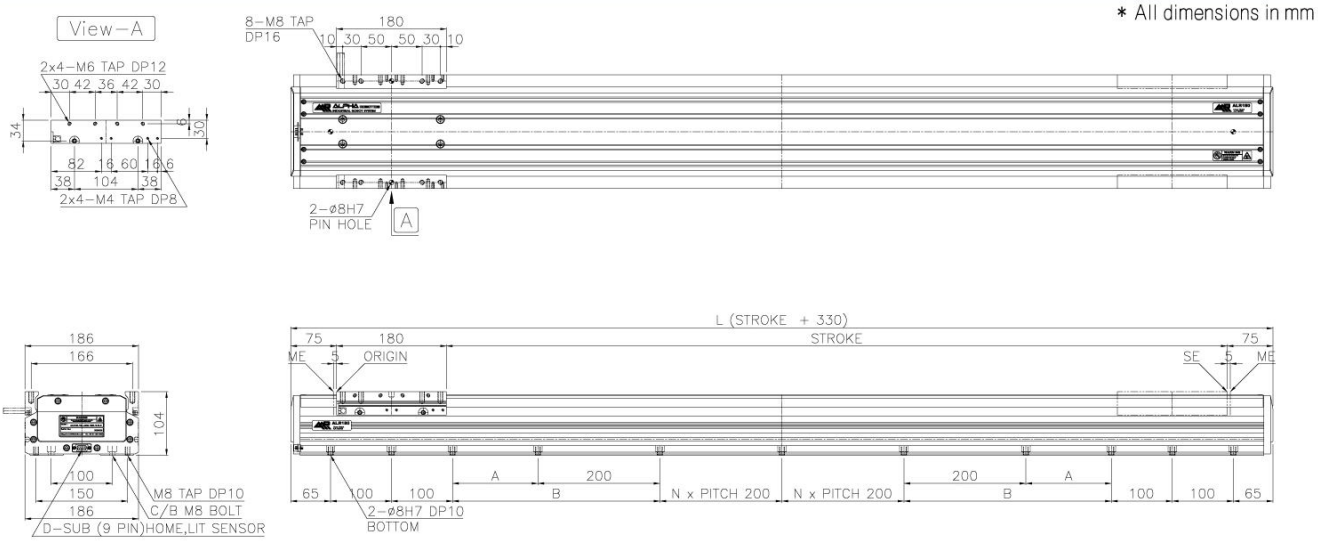
Model / Peak Force	ALR180-1H1 A008 86N	ALR180-1H2 A008 86N	ALR180-1H3 A008 86N	ALR180-1H1 A012 125N	ALR180-1H2 A012 125N	ALR180-1H3 A012 125N	ALR180-1H1 A022 220N	ALR180-1H2 A022 220N	ALR180-1H3 A022 220N	ALR180-1H1 A044 440N	ALR180-1H2 A044 440N	ALR180-1H3 A044 440N

Specification	Unit	Data
ALR180-1H1-A008 		ALR180-2H1-A008 
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 30
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	6	3	1	-
Allowable Overhang Distance - mm	Horizontal Use 	0°	1000	1000	1000	-
		45°	1000	1000	1000	-
		90°	1000	1000	1000	-
	Wall Installation Use 	0°	1000	1000	1000	-
		45°	1000	1000	1000	-
		90°	1000	1000	1000	-
	Note4 Vertical Use 	0°	1000	1000	1000	-
		45°	1000	1000	1000	-
		90°	1000	1000	1000	-
Note5	Estimated Condition		Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm	

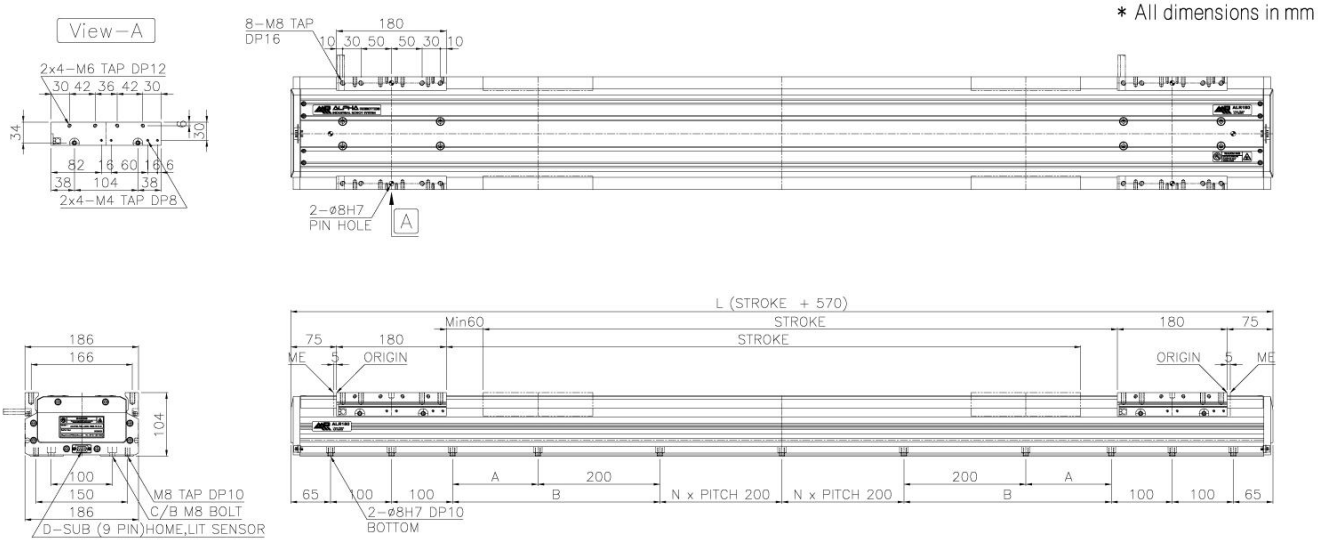
ALR180-1H1

* All dimensions in mm



ALR180-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1H1-A008	kgf	25.77	37.44	49.12	60.80	84.15	(2.34)
ALR180-2H1-A008	kgf	35.69	47.37	59.04	70.72	94.08	(2.34)

CAUTION

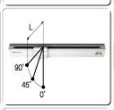
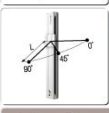
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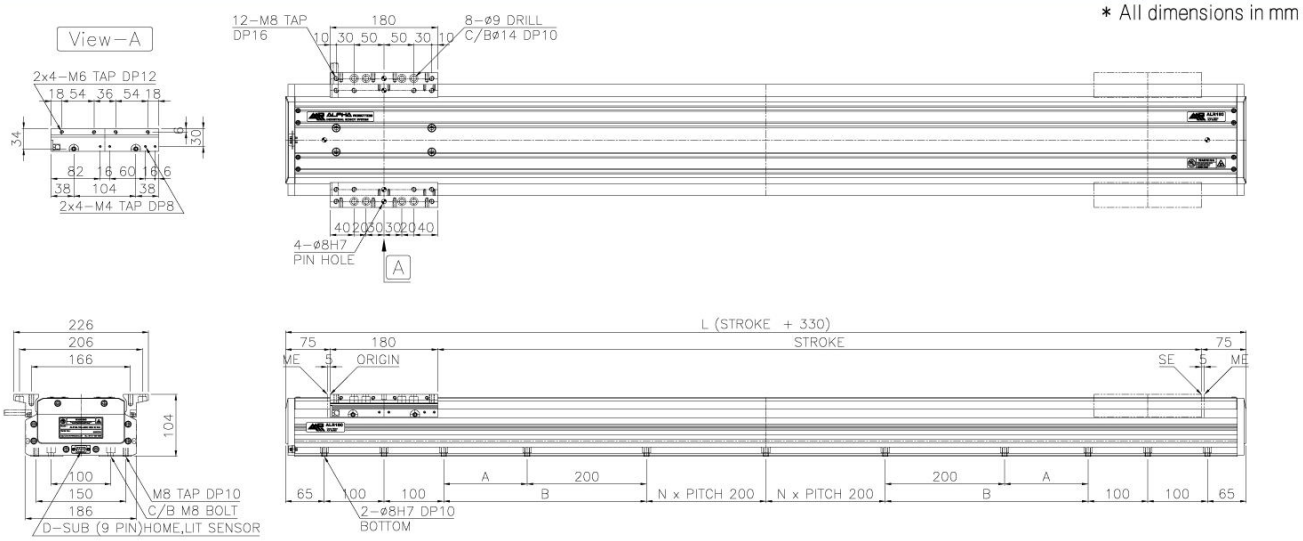
Model / Peak Force	ALR180-1H1 A008 86N	ALR180-1H2 A008 86N	ALR180-1H3 A008 86N	ALR180-1H1 A012 125N	ALR180-1H2 A012 125N	ALR180-1H3 A012 125N	ALR180-1H1 A022 220N	ALR180-1H2 A022 220N	ALR180-1H3 A022 220N	ALR180-1H1 A044 440N	ALR180-1H2 A044 440N	ALR180-1H3 A044 440N

Specification	Unit	Data
ALR180-1H2-A008		ALR180-2H2-A008
		
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 30
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	6	3	1	-
Allowable Overhang Distance - mm	Horizontal Use 	0°	1000	1000	1000	-
		45°	1000	1000	1000	-
		90°	1000	1000	1000	-
	Wall Installation Use 	0°	1000	1000	1000	-
		45°	1000	1000	1000	-
		90°	1000	1000	1000	-
	Note4 Vertical Use 	0°	1000	1000	1000	-
		45°	1000	1000	1000	-
		90°	1000	1000	1000	-
Note5	Estimated Condition		Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm	

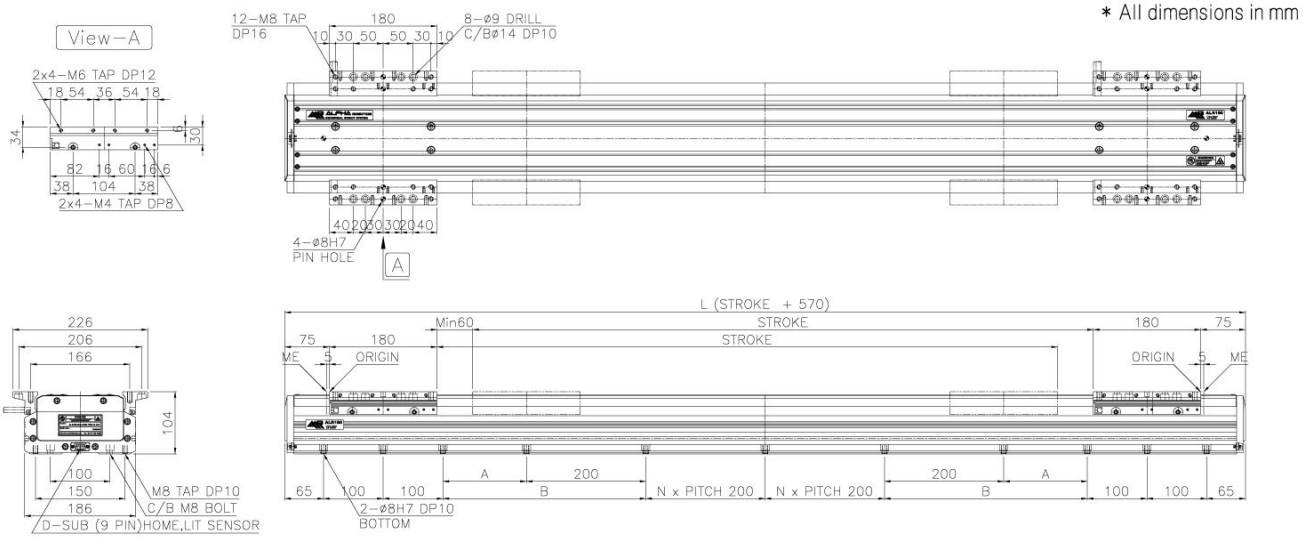
ALR180-1H2

* All dimensions in mm



ALR180-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1H2-A008	kgf	25.77	37.44	49.12	60.80	84.15	(2.34)
ALR180-2H2-A008	kgf	35.69	47.37	59.04	70.72	94.08	(2.34)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
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Apply 'B' value, in case of 'A' value is below of 80

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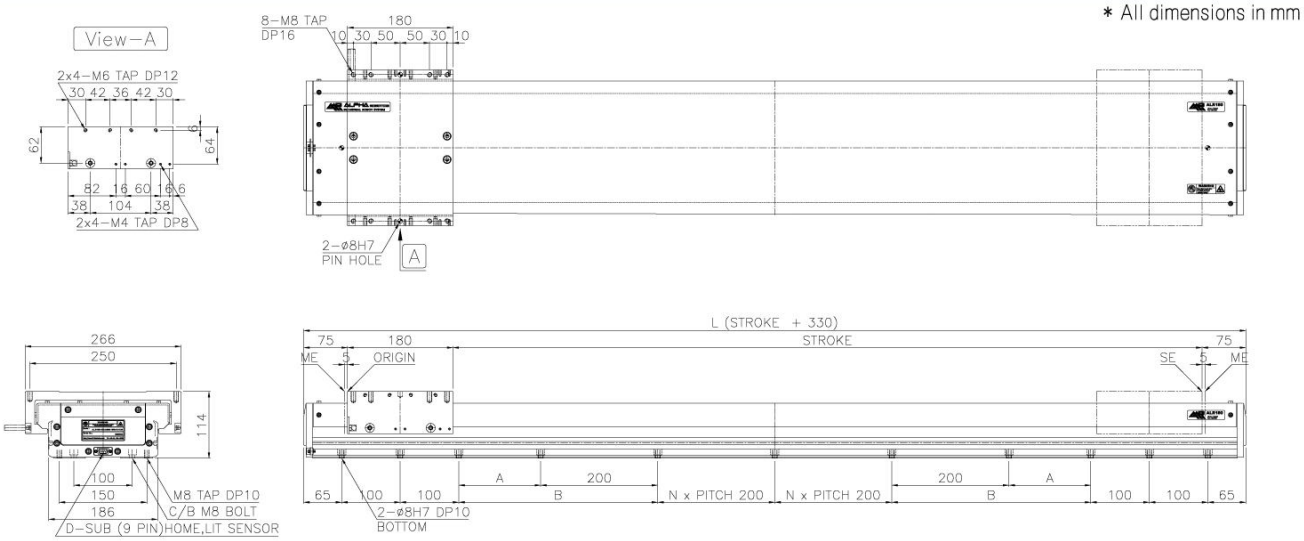
Model / Peak Force	ALR180-1H1 A008 86N	ALR180-1H2 A008 86N	ALR180-1H3 A008 86N	ALR180-1H1 A012 125N	ALR180-1H2 A012 125N	ALR180-1H3 A012 125N	ALR180-1H1 A022 220N	ALR180-1H2 A022 220N	ALR180-1H3 A022 220N	ALR180-1H1 A044 440N	ALR180-1H2 A044 440N	ALR180-1H3 A044 440N

Specification	Unit	Data
ALR180-1H3-A008		ALR180-2H3-A008
		
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 30
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	4	-	-	-
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	-	-	-
		45°	1000	-	-	-
		90°	1000	-	-	-
	Wall Installation Use	0°	1000	-	-	-
		45°	1000	-	-	-
		90°	1000	-	-	-
	Note4 Vertical Use	0°	1000	-	-	-
		45°	1000	-	-	-
		90°	1000	-	-	-
Note5	Estimated Condition	Max Speed : 2000 mm/sec Life Time : 15000 hr Waiting Time : 0 sec Stroke : 2000 mm				

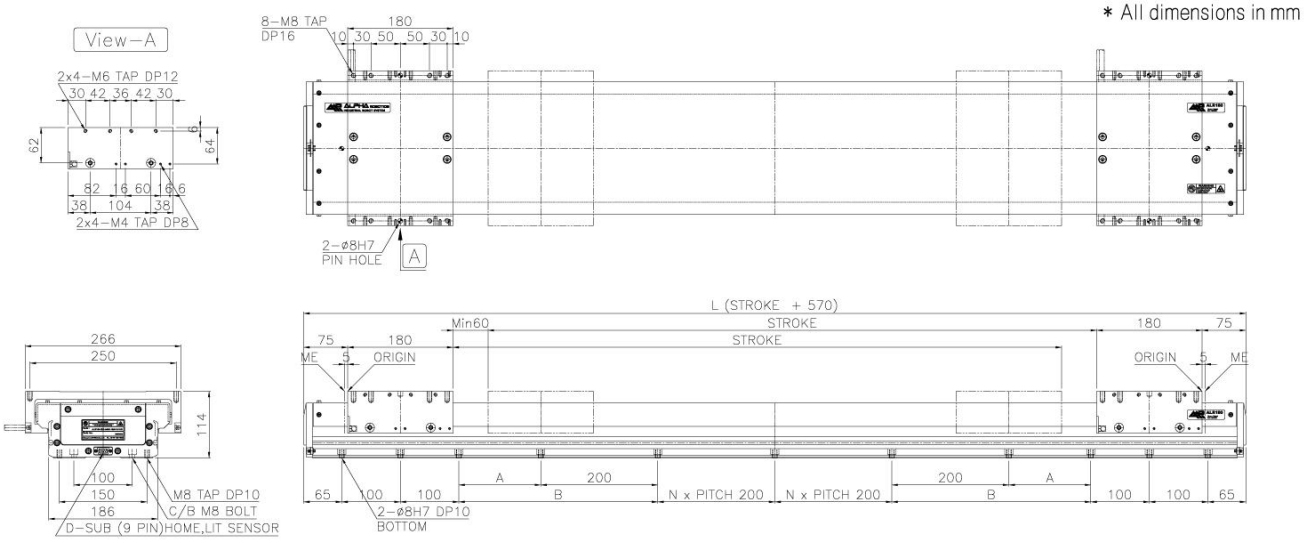
ALR180-1H3

* All dimensions in mm



ALR180-2H3

* All dimensions in mm



Model / Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1H3-A008	kgf	29.64	41.56	53.48	65.39	89.22	(2.38)
ALR180-2H3-A008	kgf	43.18	55.10	67.01	78.93	102.76	(2.38)

CAUTION

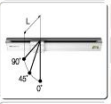
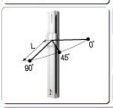
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ME : Mechanical End
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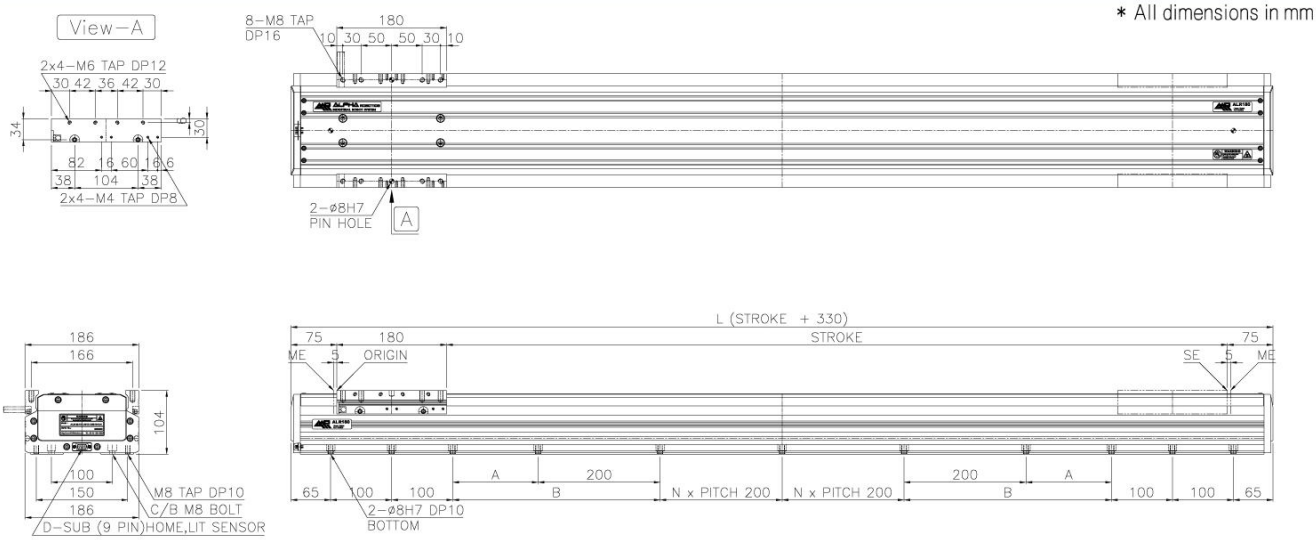
Model / Peak Force	ALR180-1H1 A008 86N	ALR180-1H2 A008 86N	ALR180-1H3 A008 86N	ALR180-1H1 A012 125N	ALR180-1H2 A012 125N	ALR180-1H3 A012 125N	ALR180-1H1 A022 220N	ALR180-1H2 A022 220N	ALR180-1H3 A022 220N	ALR180-1H1 A044 440N	ALR180-1H2 A044 440N	ALR180-1H3 A044 440N

Specification	Unit	Data
ALR180-1H1-A012 		ALR180-2H1-A012 
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 56
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	13	7	4	2
Allowable Overhang Distance - mm	Horizontal Use 	0°	1000	1000	1000	1000
		45°	1000	1000	1000	1000
		90°	1000	1000	1000	1000
	Wall Installation Use 	0°	1000	1000	1000	1000
		45°	1000	1000	1000	1000
		90°	905	1000	1000	1000
	Note4 Vertical Use 	0°	1000	1000	1000	1000
		45°	795	1000	1000	1000
		90°	1000	1000	1000	1000
Note5	Estimated Condition		Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm	

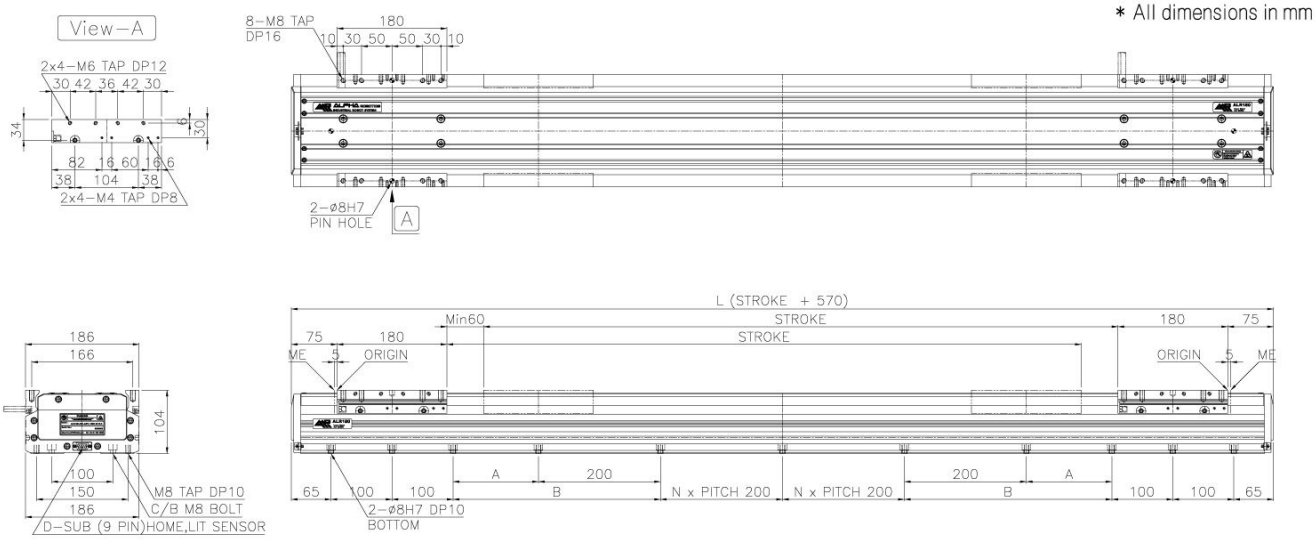
ALR180-1H1

* All dimensions in mm



ALR180-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1H1-A012	kgf	25.97	37.64	49.32	61.00	84.35	(2.34)
ALR180-2H1-A012	kgf	36.09	47.77	59.44	71.12	94.48	(2.34)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
NOTE3 It is differed by an operating conditions.
NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

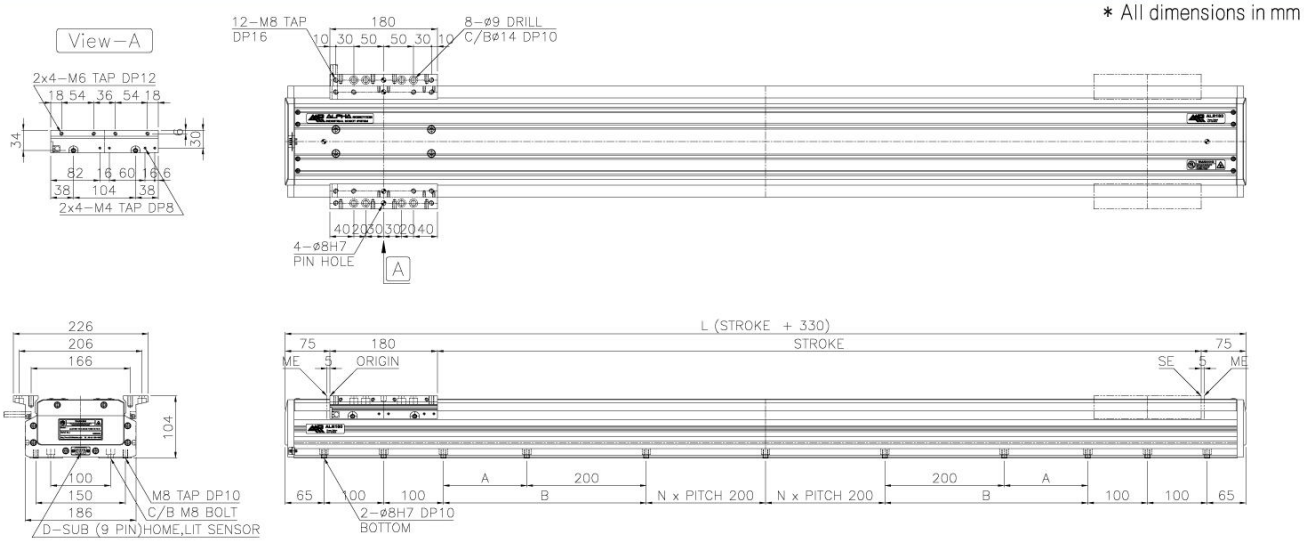
Model / Peak Force	ALR180-1H1 A008 86N	ALR180-1H2 A008 86N	ALR180-1H3 A008 86N	ALR180-1H1 A012 125N	ALR180-1H2 A012 125N	ALR180-1H3 A012 125N	ALR180-1H1 A022 220N	ALR180-1H2 A022 220N	ALR180-1H3 A022 220N	ALR180-1H1 A044 440N	ALR180-1H2 A044 440N	ALR180-1H3 A044 440N

Specification	Unit	Data
ALR180-1H2-A012		ALR180-2H2-A012
		
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 56
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	13	7	4	2
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	1000	1000	1000
		45°	1000	1000	1000	1000
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	1000	1000	1000
		45°	1000	1000	1000	1000
		90°	905	1000	1000	1000
	Note4 Vertical Use	0°	1000	1000	1000	1000
		45°	795	1000	1000	1000
		90°	1000	1000	1000	1000
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

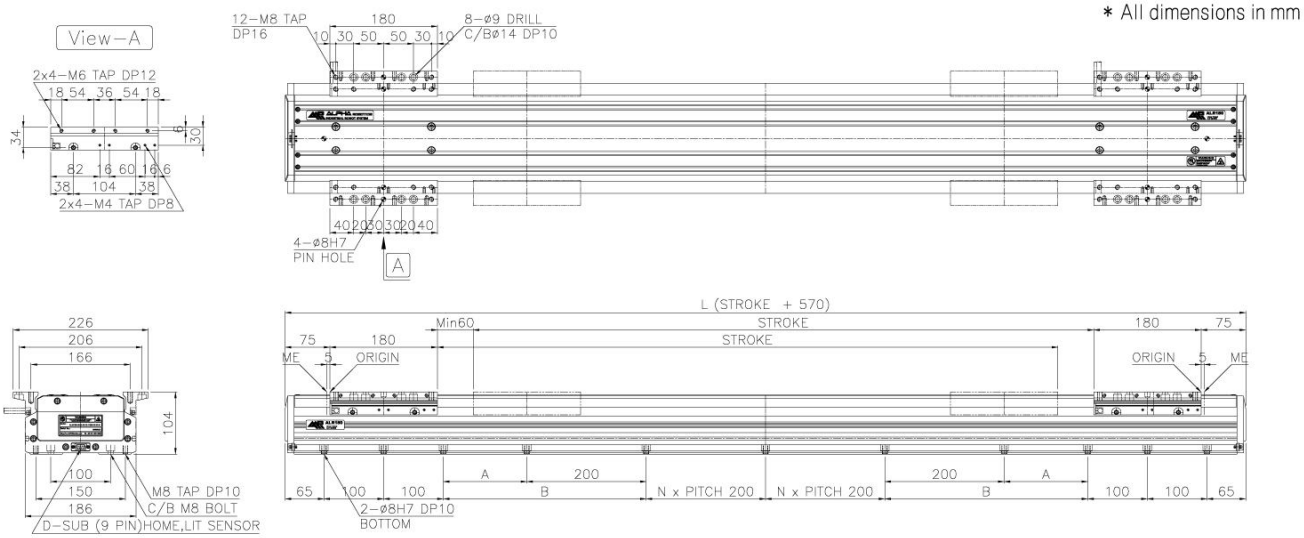
ALR180-1H2

* All dimensions in mm



ALR180-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1H2-A012	kgf	25.97	37.64	49.32	61.00	84.35	(2.34)
ALR180-2H2-A012	kgf	36.09	47.77	59.44	71.12	94.48	(2.34)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
NOTE3 It is differed by an operating conditions.
NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

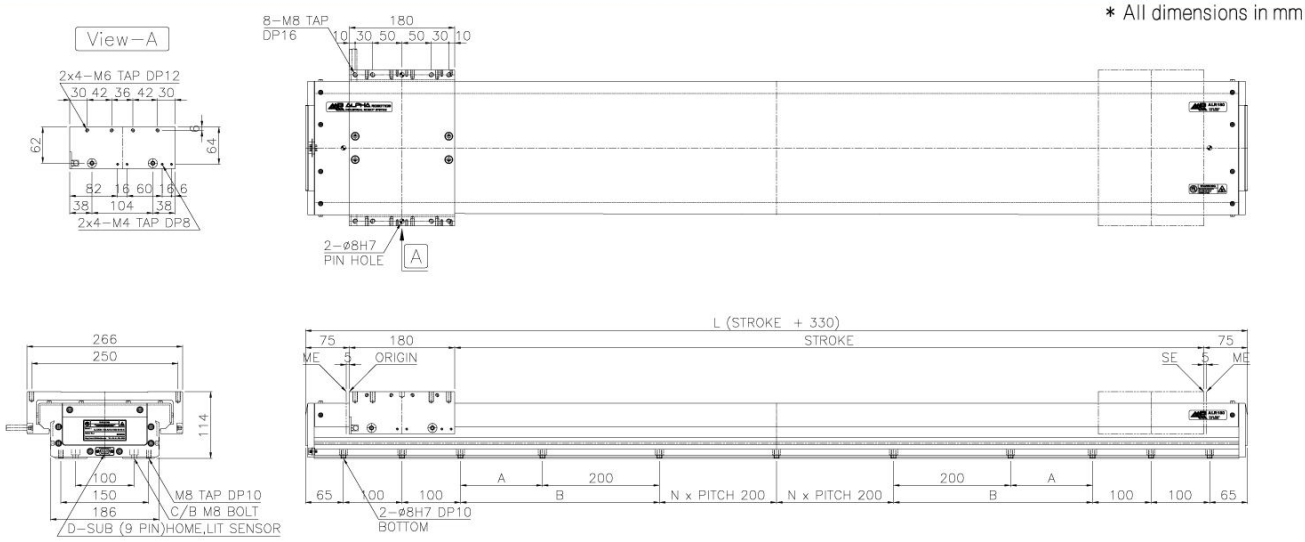
Model / Peak Force	ALR180-1H1 A008 86N	ALR180-1H2 A008 86N	ALR180-1H3 A008 86N	ALR180-1H1 A012 125N	ALR180-1H2 A012 125N	ALR180-1H3 A012 125N	ALR180-1H1 A022 220N	ALR180-1H2 A022 220N	ALR180-1H3 A022 220N	ALR180-1H1 A044 440N	ALR180-1H2 A044 440N	ALR180-1H3 A044 440N

Specification	Unit	Data
ALR180-1H3-A012		ALR180-2H3-A012
		
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 56
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	11	5	2	-
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	1000	1000	-
		45°	1000	1000	1000	-
		90°	1000	1000	1000	-
	Wall Installation Use	0°	1000	1000	1000	-
		45°	1000	1000	1000	-
		90°	1000	1000	1000	-
	Note4 Vertical Use	0°	1000	1000	1000	-
		45°	980	1000	1000	-
		90°	1000	1000	1000	-
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

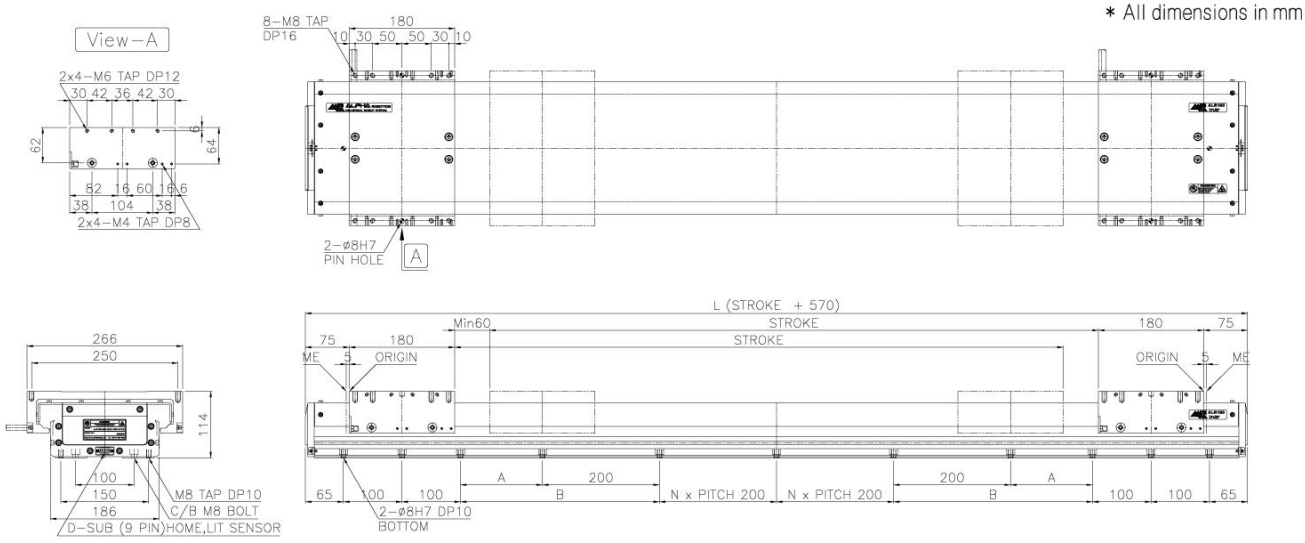
ALR180-1H3

* All dimensions in mm



ALR180-2H3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1H3-A012	kgf	29.84	41.76	53.68	65.59	89.42	(2.38)
ALR180-2H3-A012	kgf	43.58	55.50	67.41	79.33	103.16	(2.38)

CAUTION

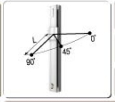
Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
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Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
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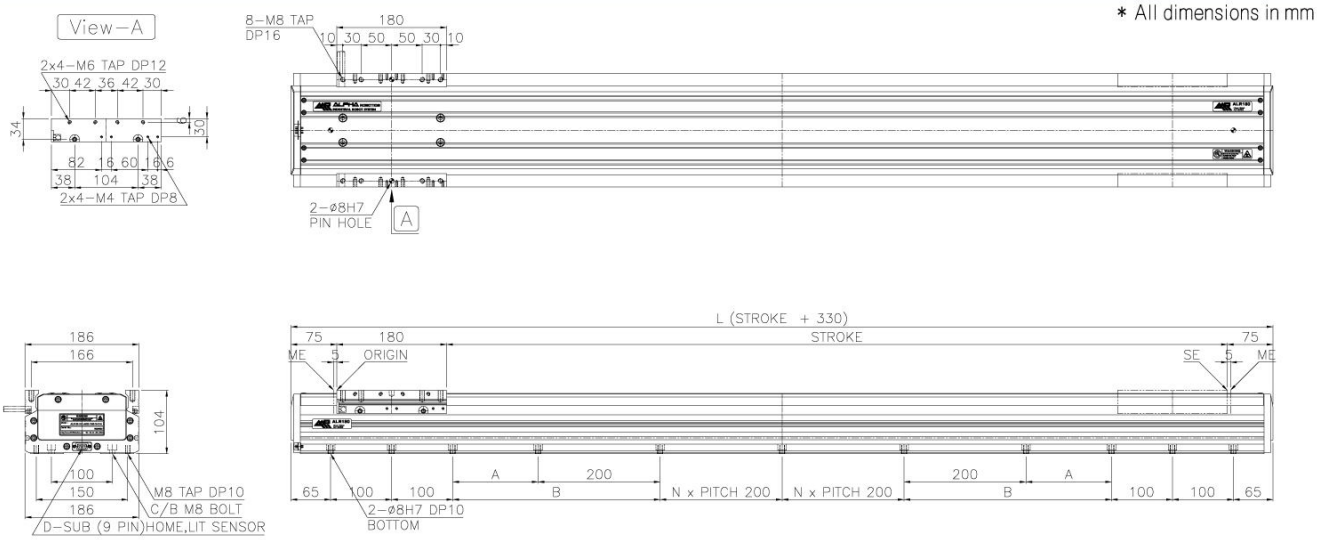
Model / Peak Force	ALR180-1H1 A008 86N	ALR180-1H2 A008 86N	ALR180-1H3 A008 86N	ALR180-1H1 A012 125N	ALR180-1H2 A012 125N	ALR180-1H3 A012 125N	**ALR180-1H1 A022 220N**	ALR180-1H2 A022 220N	ALR180-1H3 A022 220N	ALR180-1H1 A044 440N	ALR180-1H2 A044 440N	ALR180-1H3 A044 440N

Specification	Unit	Data
ALR180-1H1-A022		ALR180-2H1-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 100
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	31	18	12	8
Allowable Overhang Distance - mm	Horizontal Use 	0°	700	1000	1000	1000
		45°	660	1000	1000	1000
		90°	1000	1000	1000	1000
	Wall Installation Use 	0°	590	940	1000	1000
		45°	845	1000	1000	1000
		90°	345	545	760	1000
	Note4 Vertical Use 	0°	635	980	1000	1000
		45°	318	490	680	1000
		90°	635	980	1000	1000
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

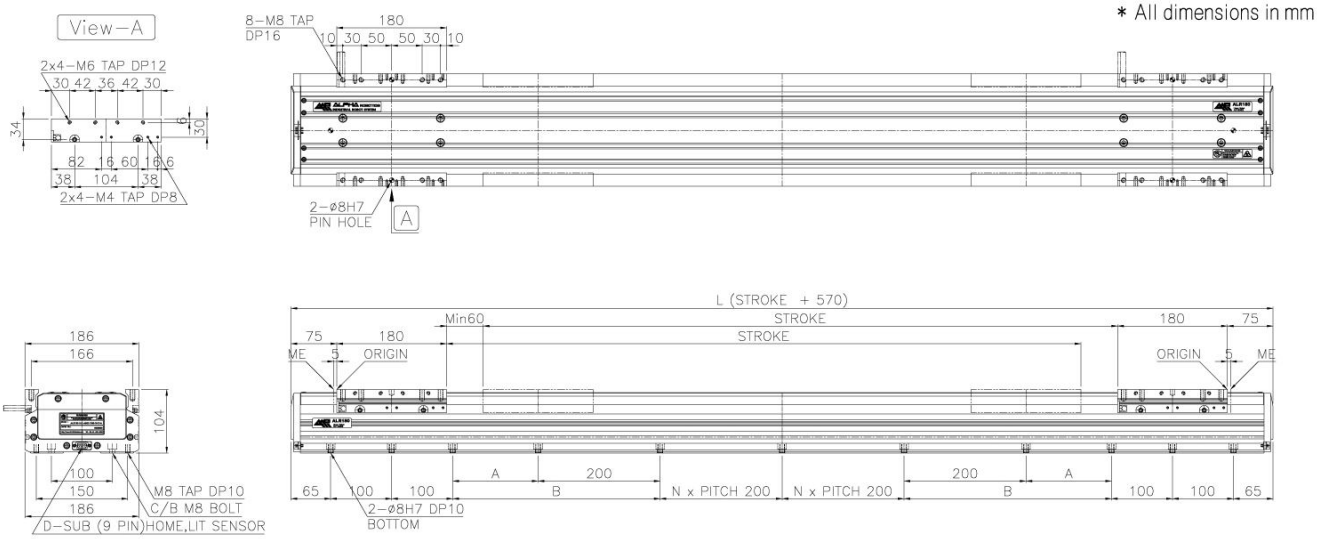
ALR180-1H1

* All dimensions in mm



ALR180-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1H1-A022	kgf	26.37	38.04	49.72	61.40	84.75	(2.34)
ALR180-2H1-A022	kgf	36.89	48.57	60.24	71.92	95.28	(2.34)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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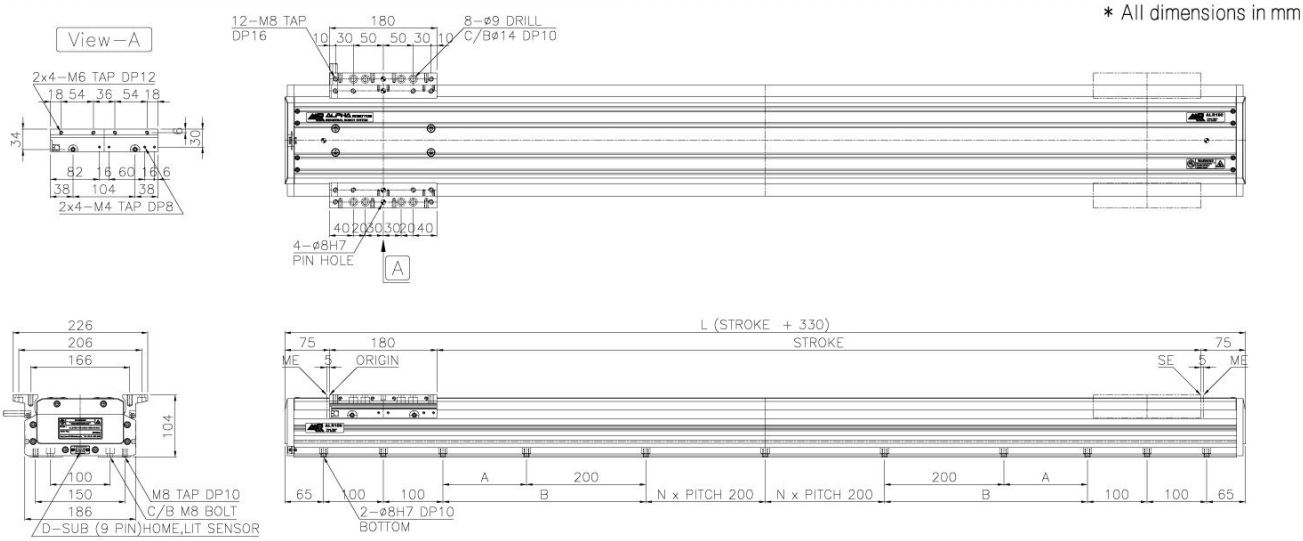
Model / Peak Force	ALR180-1H1 A008 86N	ALR180-1H2 A008 86N	ALR180-1H3 A008 86N	ALR180-1H1 A012 125N	ALR180-1H2 A012 125N	ALR180-1H3 A012 125N	ALR180-1H1 A022 220N	ALR180-1H2 A022 220N	ALR180-1H3 A022 220N	ALR180-1H1 A044 440N	ALR180-1H2 A044 440N	ALR180-1H3 A044 440N

Specification	Unit	Data
ALR180-1H2-A022		ALR180-2H2-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 100
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	31	18	12	8
Allowable Overhang Distance - mm	Horizontal Use	0°	700	1000	1000	1000
		45°	660	1000	1000	1000
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	590	940	1000	1000
		45°	845	1000	1000	1000
		90°	345	545	760	1000
	Note4 Vertical Use	0°	635	980	1000	1000
		45°	318	490	680	1000
		90°	635	980	1000	1000
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

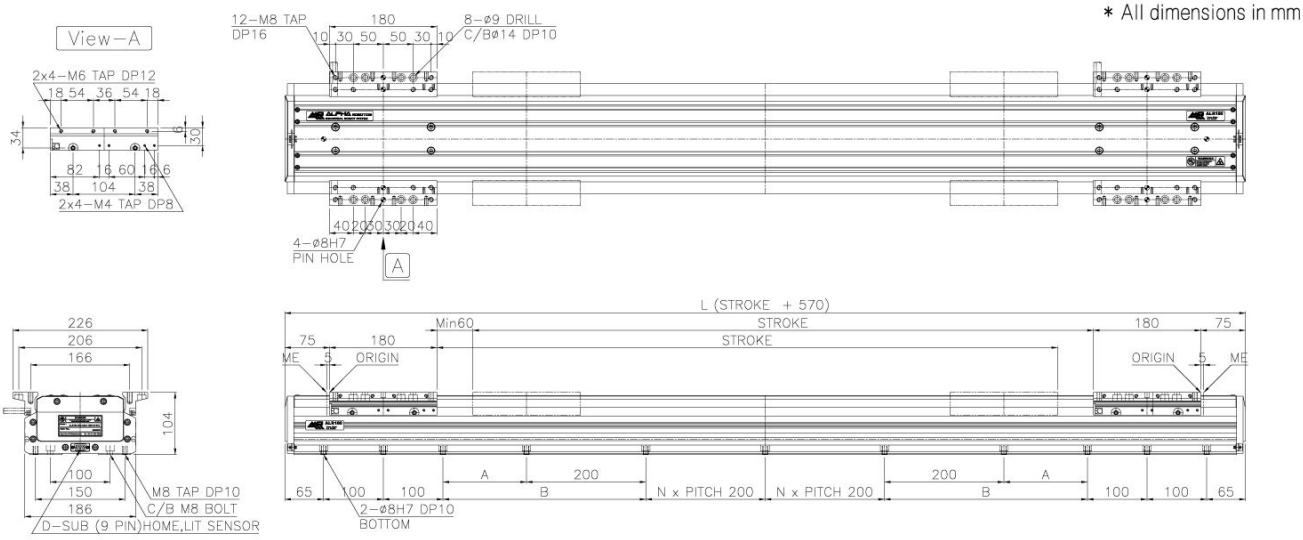
ALR180-1H2

* All dimensions in mm



ALR180-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1H2-A022	kgf	26.37	38.04	49.72	61.40	84.75	(2.34)
ALR180-2H2-A022	kgf	36.89	48.57	60.24	71.92	95.28	(2.34)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
NOTE3 It is differed by an operating conditions.
NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

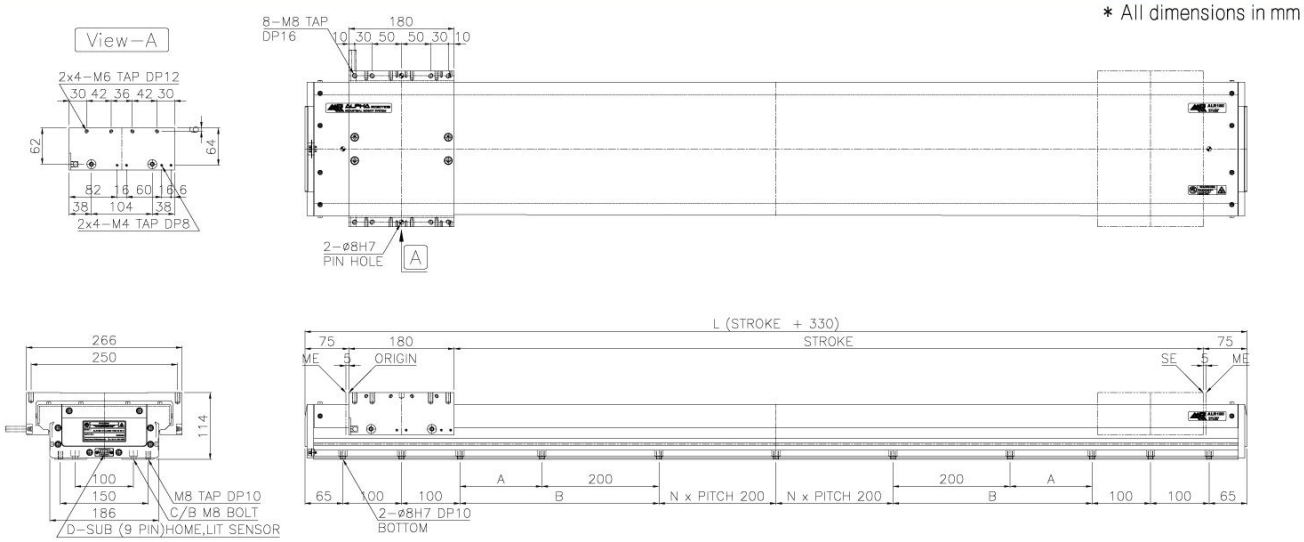
Model / Peak Force	ALR180-1H1 A008 86N	ALR180-1H2 A008 86N	ALR180-1H3 A008 86N	ALR180-1H1 A012 125N	ALR180-1H2 A012 125N	ALR180-1H3 A012 125N	ALR180-1H1 A022 220N	ALR180-1H2 A022 220N	ALR180-1H3 A022 220N	ALR180-1H1 A044 440N	ALR180-1H2 A044 440N	ALR180-1H3 A044 440N

Specification	Unit	Data
ALR180-1H3-A022		ALR180-2H3-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 100
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	29	16	10	5
Allowable Overhang Distance - mm	Horizontal Use	0°	760	1000	1000	1000
		45°	720	1000	1000	1000
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	640	940	1000	1000
		45°	915	1000	1000	1000
		90°	375	635	954	1000
	Note4 Vertical Use	0°	690	1000	1000	1000
		45°	345	570	850	1000
		90°	690	1000	1000	1000
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

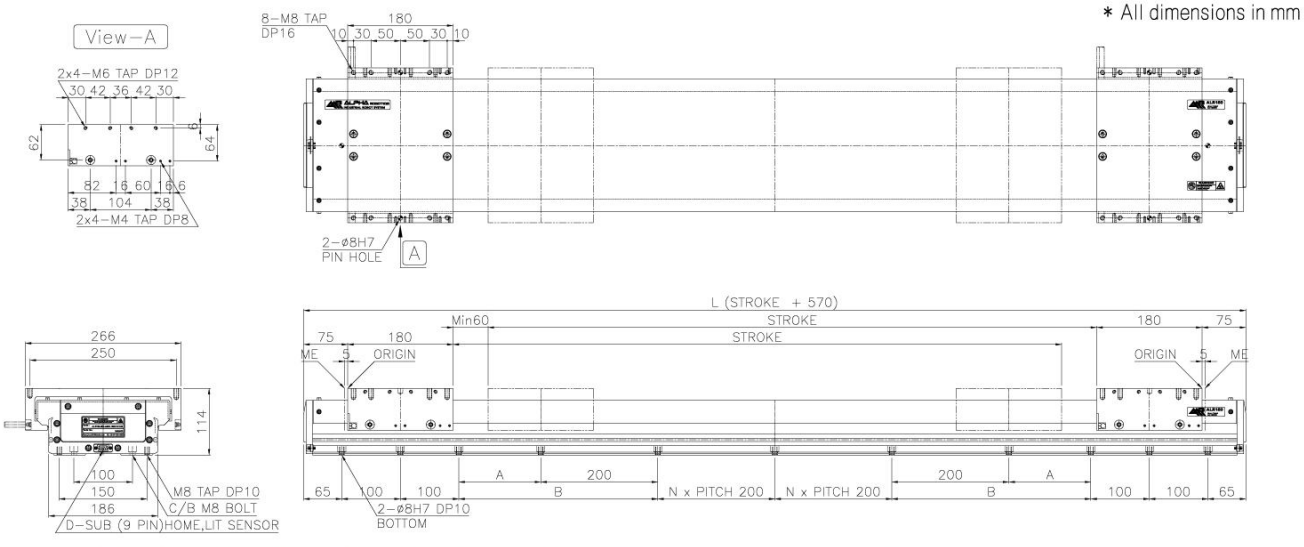
ALR180-1H3

* All dimensions in mm



ALR180-2H3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1H3-A022	kgf	30.24	42.16	54.08	65.99	89.82	(2.38)
ALR180-2H3-A022	kgf	44.38	56.30	68.21	80.13	103.96	(2.38)

CAUTION

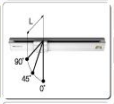
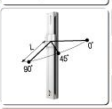
Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
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Apply 'B' value, in case of 'A' value is below of 80

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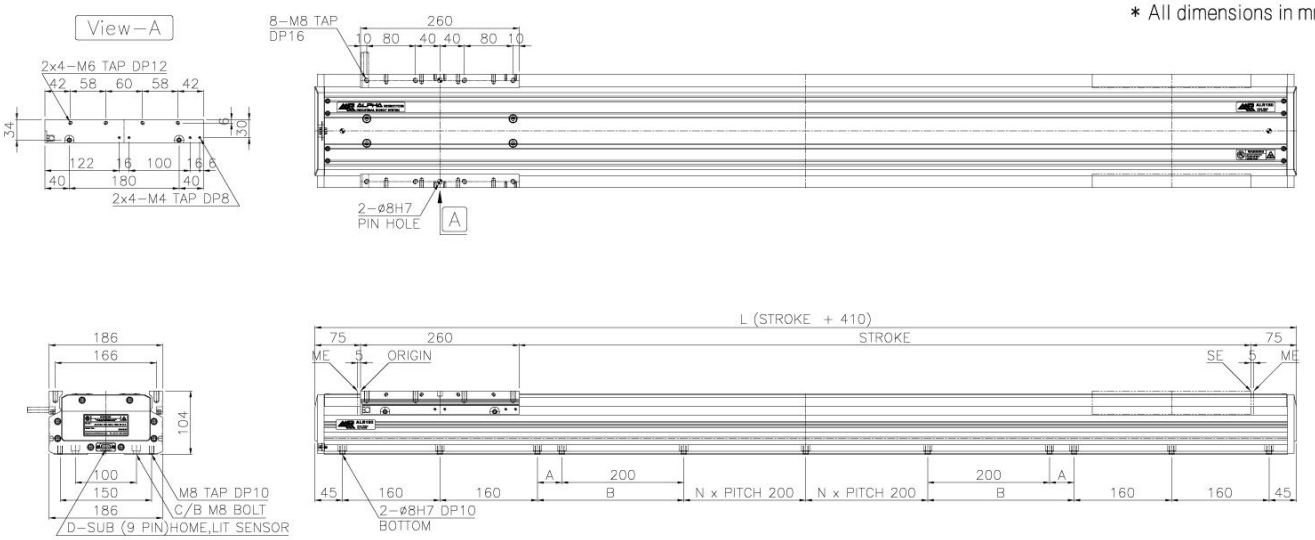
Model / Peak Force	ALR180-1H1 A008 86N	ALR180-1H2 A008 86N	ALR180-1H3 A008 86N	ALR180-1H1 A012 125N	ALR180-1H2 A012 125N	ALR180-1H3 A012 125N	ALR180-1H1 A022 220N	ALR180-1H2 A022 220N	ALR180-1H3 A022 220N	ALR180-1H1 A044 440N	ALR180-1H2 A044 440N	ALR180-1H3 A044 440N

Specification	Unit	Data
ALR180-1H1-A044 		ALR180-2H1-A044 
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 100
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	72	43	30	20
Allowable Overhang Distance - mm	Horizontal Use 	0°	255	420	580	880
		45°	255	410	560	840
		90°	1000	1000	1000	1000
	Wall Installation Use 	0°	400	640	878	1000
		45°	285	465	645	974
		90°	165	268	375	560
	Note4 Vertical Use 	0°	500	735	980	1000
		45°	250	370	490	710
		90°	500	735	980	1000
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

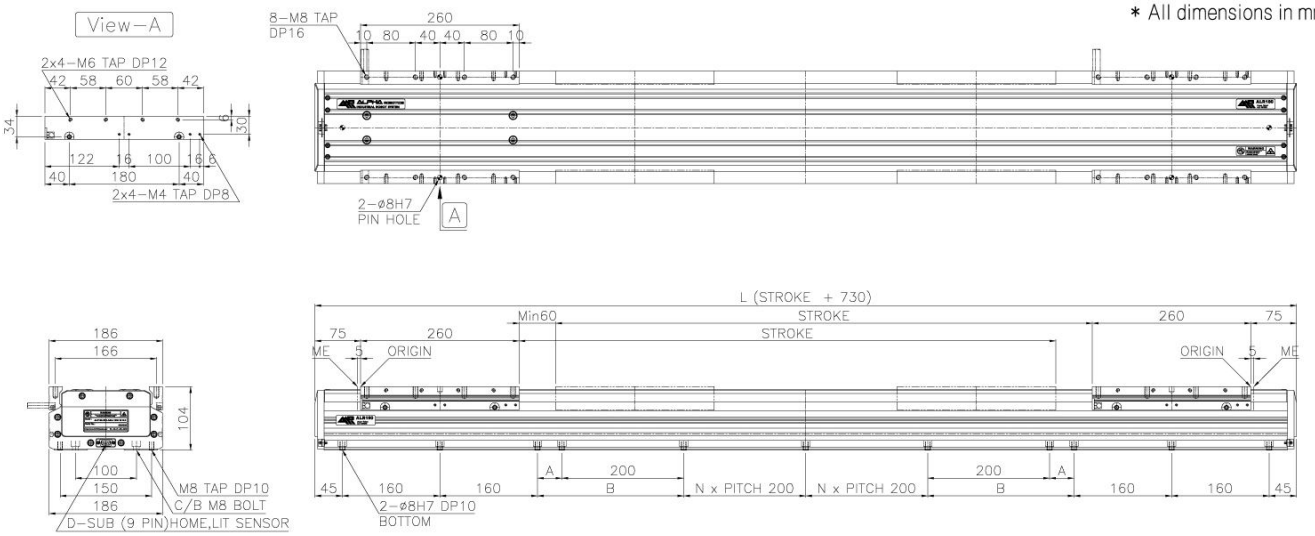
ALR180-1H1

* All dimensions in mm



ALR180-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1H1-A044	kgf	30.79	42.47	54.14	65.82	89.18	(2.34)
ALR180-2H1-A044	kgf	43.40	55.07	66.75	78.43	101.78	(2.34)

CAUTION

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ME : Mechanical End
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Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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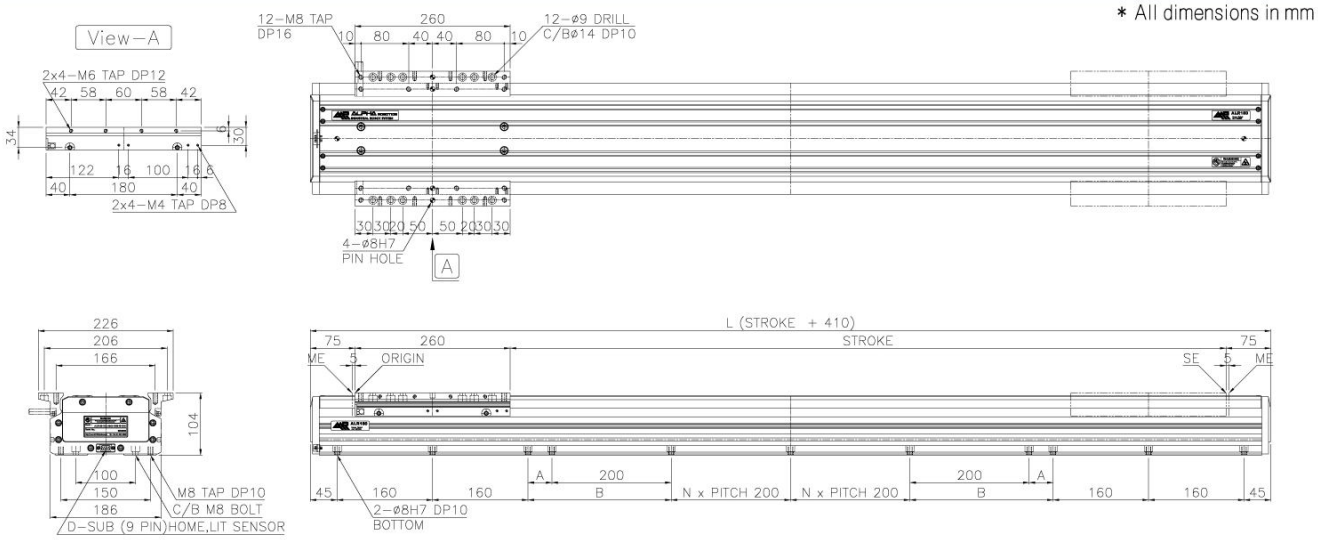
Model / Peak Force	ALR180-1H1 A008 86N	ALR180-1H2 A008 86N	ALR180-1H3 A008 86N	ALR180-1H1 A012 125N	ALR180-1H2 A012 125N	ALR180-1H3 A012 125N	ALR180-1H1 A022 220N	ALR180-1H2 A022 220N	ALR180-1H3 A022 220N	ALR180-1H1 A044 440N	ALR180-1H2 A044 440N	ALR180-1H3 A044 440N

Specification	Unit	Data
ALR180-1H2-A044		ALR180-2H2-A044
		
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 100
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	72	43	30	20
Allowable Overhang Distance - mm	Horizontal Use	0°	255	420	580	880
		45°	255	410	560	840
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	400	640	878	1000
		45°	285	465	645	974
		90°	165	268	375	560
	Note4 Vertical Use	0°	500	735	980	1000
		45°	250	370	490	710
		90°	500	735	980	1000
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

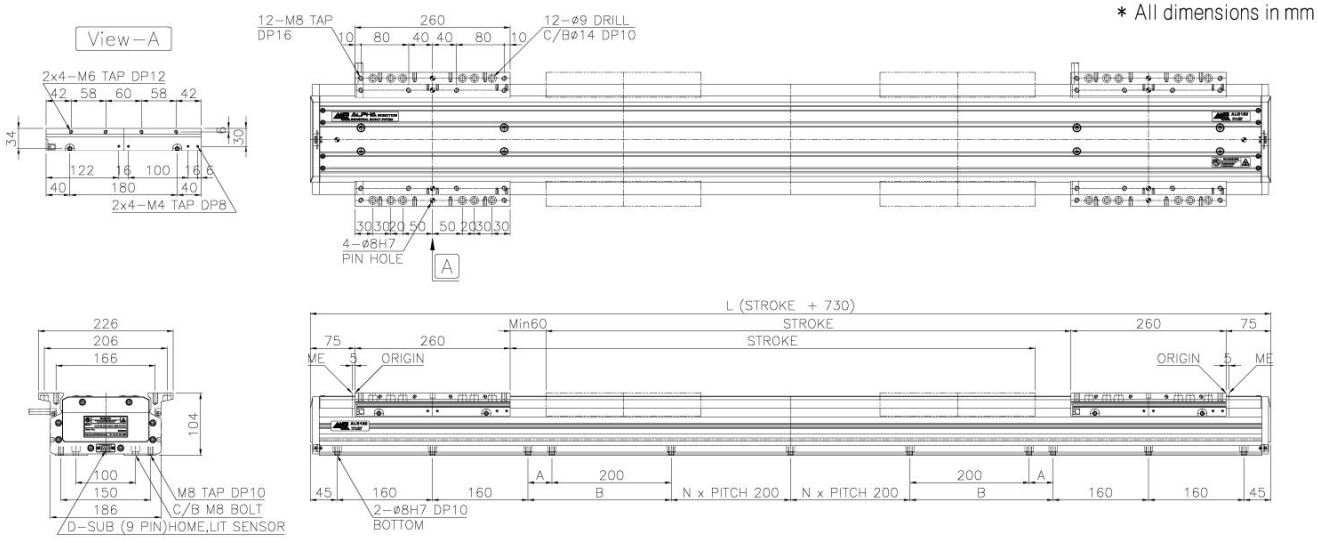
ALR180-1H2

* All dimensions in mm



ALR180-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1H2-A044	kgf	30.79	42.47	54.14	65.82	89.18	(2.34)
ALR180-2H2-A044	kgf	43.40	55.07	66.75	78.43	101.78	(2.34)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
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NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

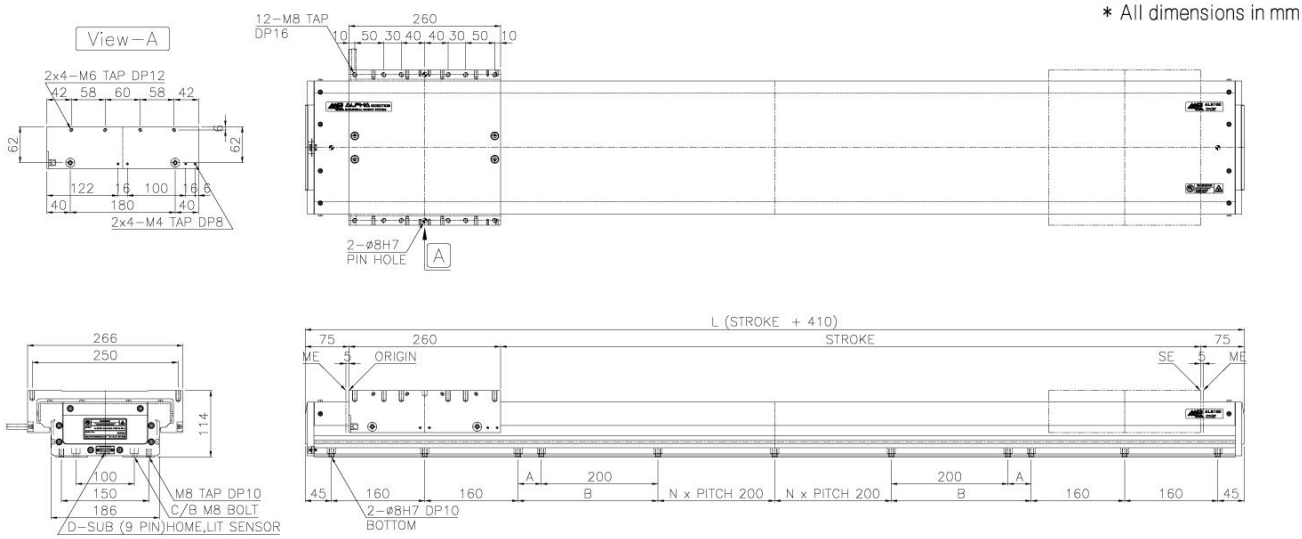
Model / Peak Force	ALR180-1H1 A008 86N	ALR180-1H2 A008 86N	ALR180-1H3 A008 86N	ALR180-1H1 A012 125N	ALR180-1H2 A012 125N	ALR180-1H3 A012 125N	ALR180-1H1 A022 220N	ALR180-1H2 A022 220N	ALR180-1H3 A022 220N	ALR180-1H1 A044 440N	ALR180-1H2 A044 440N	ALR180-1H3 A044 440N

Specification	Unit	Data
ALR180-1H3-A044		ALR180-2H3-A044
		
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 100
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	68	39	26	16
Allowable Overhang Distance - mm	Horizontal Use	0°	270	460	670	1000
		45°	270	450	650	1000
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	420	705	1000	1000
		45°	300	505	740	1000
		90°	175	295	430	705
	Note4 Vertical Use	0°	525	810	1000	1000
		45°	264	410	570	890
		90°	525	810	1000	1000
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

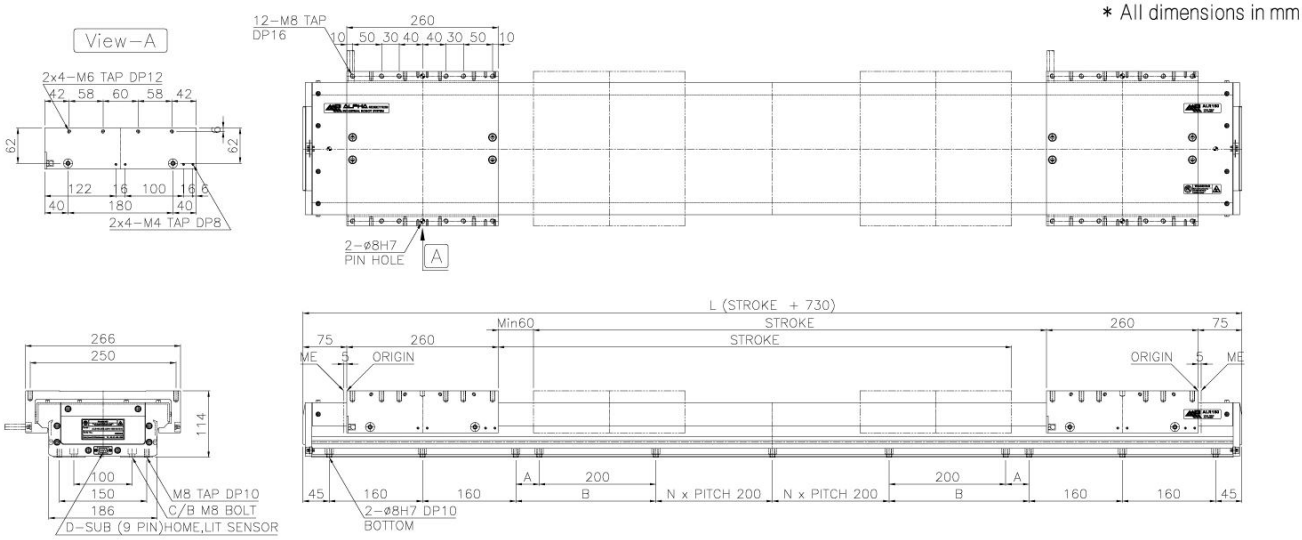
ALR180-1H3

* All dimensions in mm



ALR180-2H3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR180-1H3-A044	kgf	36.29	48.21	60.13	72.04	95.87	(2.38)
ALR180-2H3-A044	kgf	54.10	66.01	77.93	89.84	113.68	(2.38)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

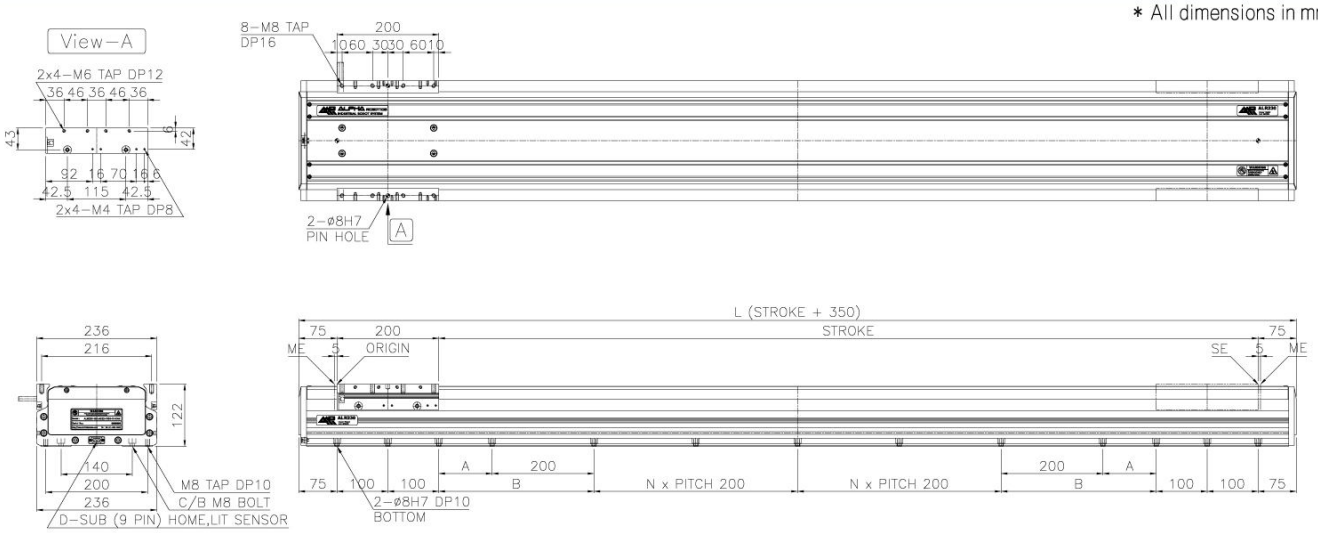
Model / Peak Force	ALR230-1H1 A022 220N	ALR230-1H2 A022 220N	ALR230-1H3 A022 220N	ALR230-1H1 A044 440N	ALR230-1H2 A044 440N	ALR230-1H3 A044 440N	ALR230-1H1 A060 600N	ALR230-1H2 A060 600N	ALR230-1H3 A060 600N	ALR230-1H1 A120 1200N	ALR230-1H2 A120 1200N	ALR230-1H3 A120 1200N

Specification	Unit	Data
ALR230-1H1-A022		ALR230-2H1-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 105
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	25	14	8	4
Allowable Overhang Distance - mm	Horizontal Use	0°	1200	1200	1200	1200
		45°	1200	1200	1200	1200
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	1200	1200	1200	1200
		45°	1200	1200	1200	1200
		90°	870	1200	1200	1200
	Note4 Vertical Use	0°	1200	1200	1200	1200
		45°	760	1200	1200	1200
		90°	1200	1200	1200	1200
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

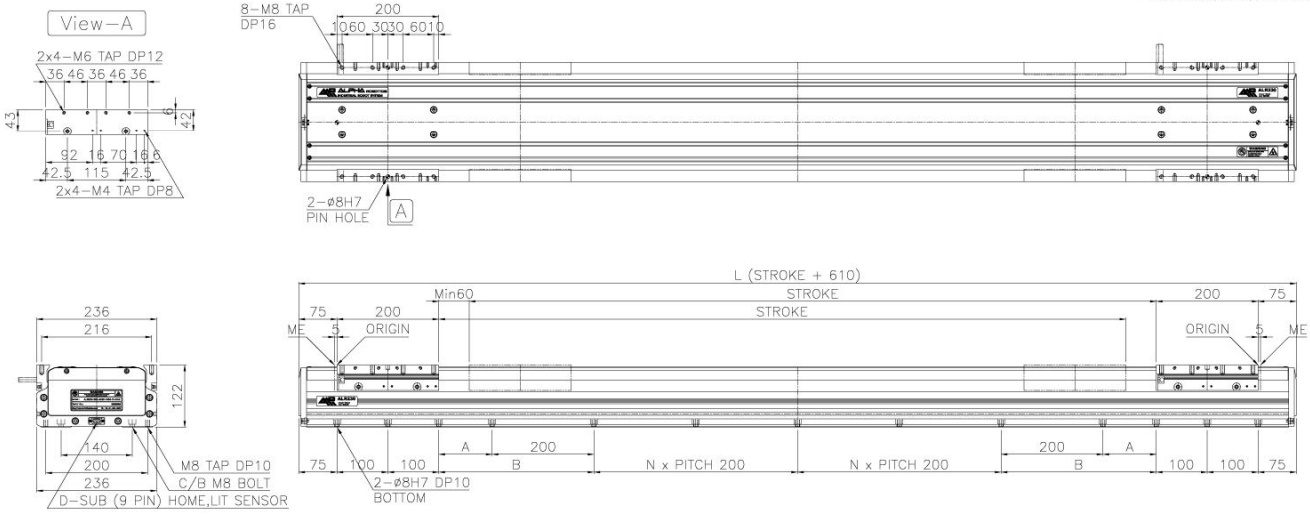
ALR230-1H1

* All dimensions in mm



ALR230-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1H1-A022	kgf	36.64	52.75	68.87	84.99	117.22	(3.22)
ALR230-2H1-A022	kgf	53.35	69.46	85.58	101.70	133.93	(3.22)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
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NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

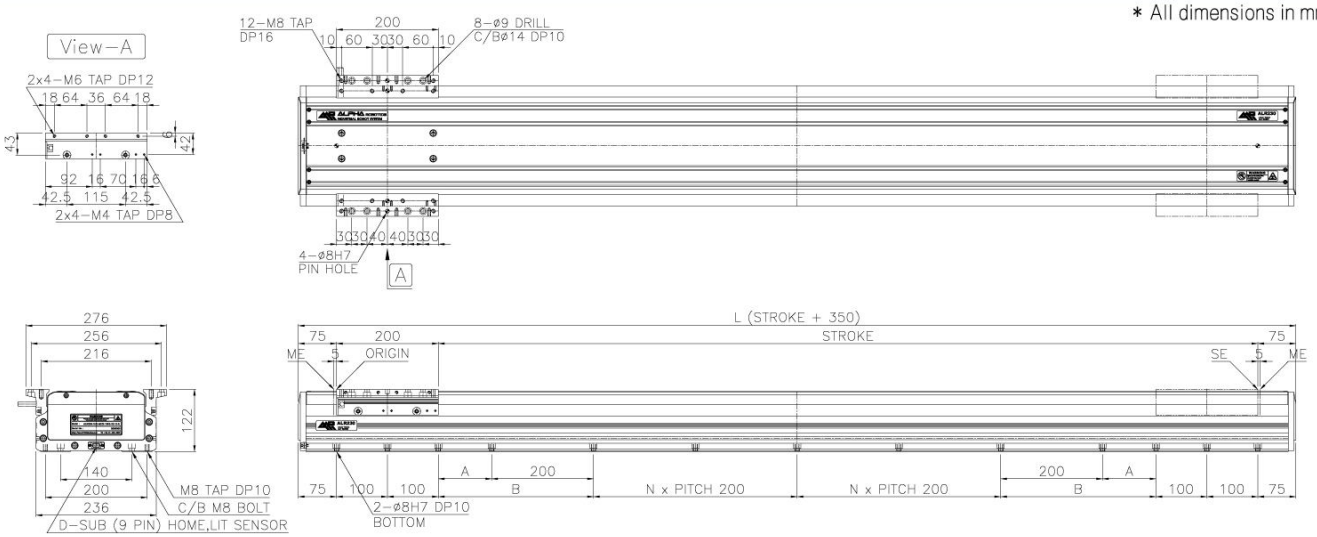
Model / Peak Force	ALR230-1H1 A022 220N	ALR230-1H2 A022 220N	ALR230-1H3 A022 220N	ALR230-1H1 A044 440N	ALR230-1H2 A044 440N	ALR230-1H3 A044 440N	ALR230-1H1 A060 600N	ALR230-1H2 A060 600N	ALR230-1H3 A060 600N	ALR230-1H1 A120 1200N	ALR230-1H2 A120 1200N	ALR230-1H3 A120 1200N

Specification	Unit	Data
ALR230-1H2-A022		
ALR230-2H2-A022		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 105
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	25	14	8	4
Allowable Overhang Distance - mm	Horizontal Use	0°	1200	1200	1200	1200
		45°	1200	1200	1200	1200
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	1200	1200	1200	1200
		45°	1200	1200	1200	1200
		90°	870	1200	1200	1200
	Note4 Vertical Use	0°	1200	1200	1200	1200
		45°	760	1200	1200	1200
		90°	1200	1200	1200	1200
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

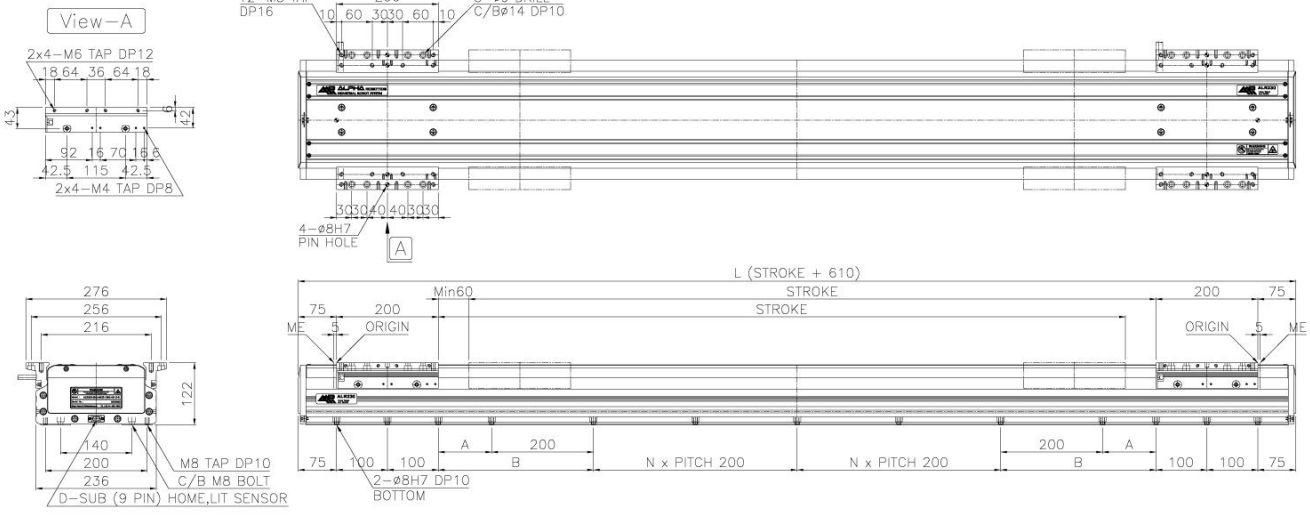
ALR230-1H2

* All dimensions in mm



ALR230-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1H2-A022	kgf	36.64	52.75	68.87	84.99	117.22	(3.22)
ALR230-2H2-A022	kgf	53.35	69.46	85.58	101.70	133.93	(3.22)

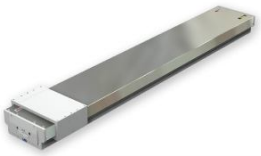
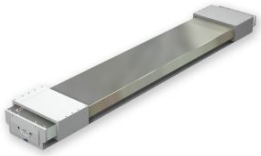
CAUTION

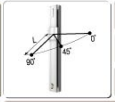
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Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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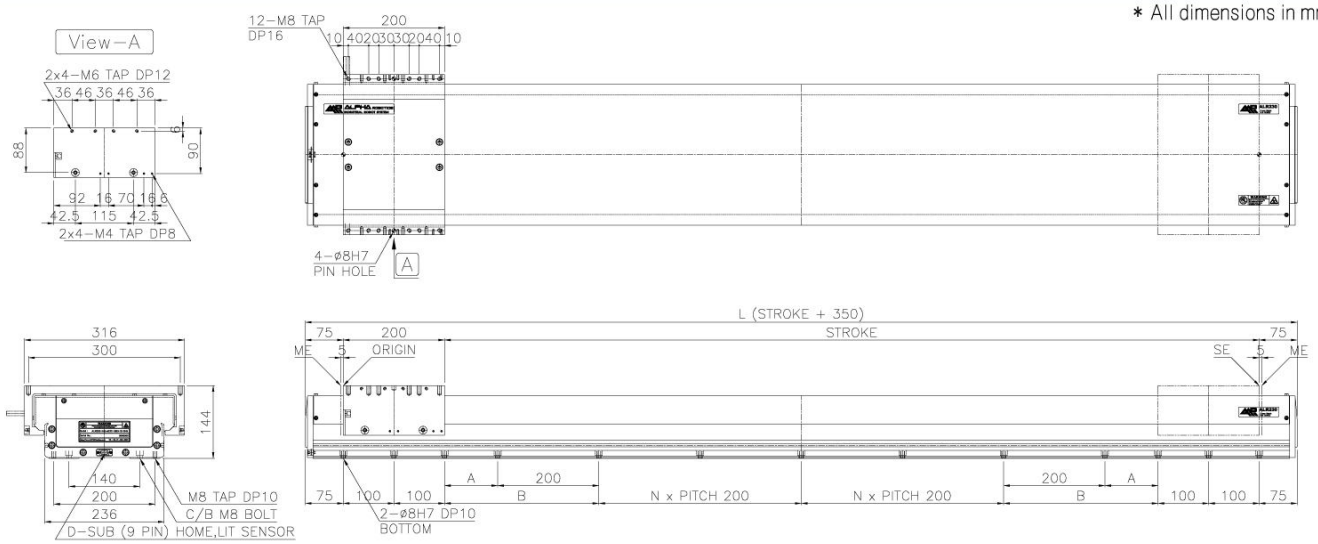
Model / Peak Force	ALR230-1H1 A022 220N	ALR230-1H2 A022 220N	ALR230-1H3 A022 220N	ALR230-1H1 A044 440N	ALR230-1H2 A044 440N	ALR230-1H3 A044 440N	ALR230-1H1 A060 600N	ALR230-1H2 A060 600N	ALR230-1H3 A060 600N	ALR230-1H1 A120 1200N	ALR230-1H2 A120 1200N	ALR230-1H3 A120 1200N

Specification	Unit	Data
ALR230-1H3-A022		ALR230-2H3-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 105
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	23	11	5	1
Allowable Overhang Distance - mm	Horizontal Use 	0°	1200	1200	1200	1200
		45°	1200	1200	1200	1200
		90°	1200	1200	1200	1200
	Wall Installation Use 	0°	1200	1200	1200	1200
		45°	1200	1200	1200	1200
		90°	970	1200	1200	1200
	Note4 Vertical Use 	0°	1200	1200	1200	1200
		45°	860	1200	1200	1200
		90°	1200	1200	1200	1200
Note5	Estimated Condition		Max Speed : 2000 mm/sec Life Time : 15000 hr Waiting Time : 0 sec Stroke : 2000 mm			

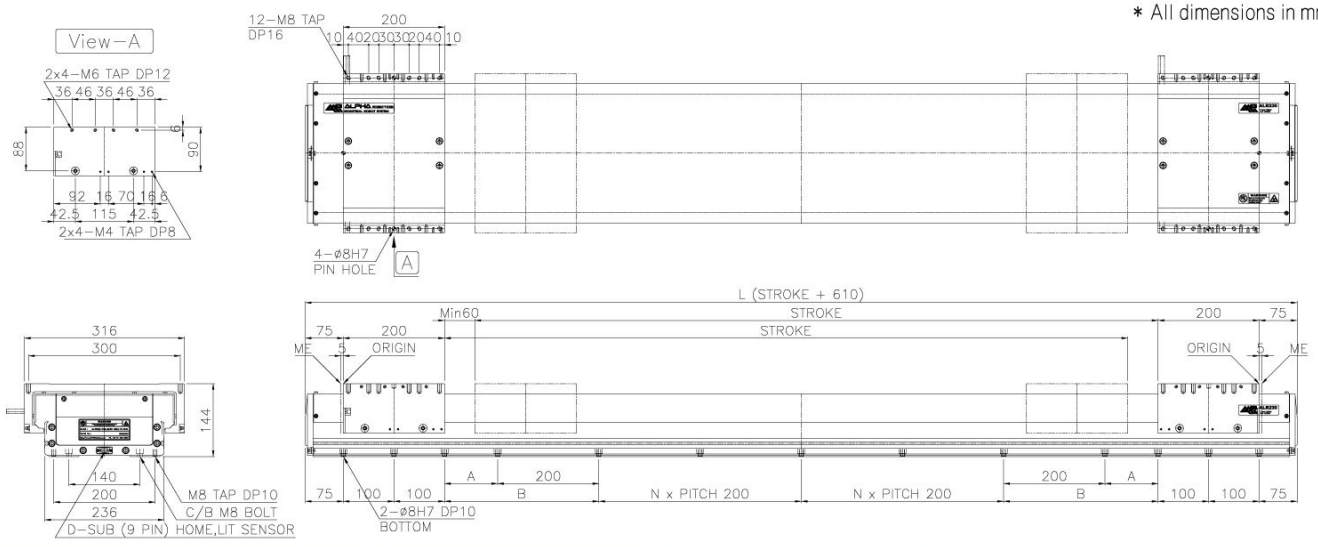
ALR230-1H3

* All dimensions in mm



ALR230-2H3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1H3-A022	kgf	40.62	56.99	73.36	89.73	122.47	(3.27)
ALR230-2H3-A022	kgf	61.03	77.40	93.77	110.14	142.88	(3.27)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
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Apply 'B' value, in case of 'A' value is below of 80

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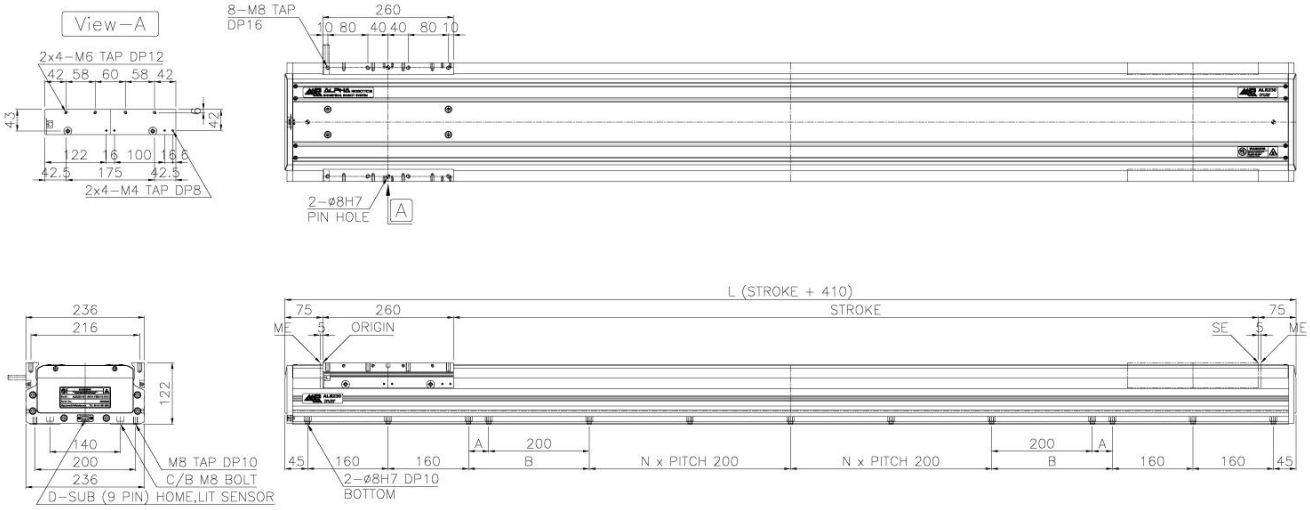
Model / Peak Force	ALR230-1H1 A022 220N	ALR230-1H2 A022 220N	ALR230-1H3 A022 220N	ALR230-1H1 A044 440N	ALR230-1H2 A044 440N	ALR230-1H3 A044 440N	ALR230-1H1 A060 600N	ALR230-1H2 A060 600N	ALR230-1H3 A060 600N	ALR230-1H1 A120 1200N	ALR230-1H2 A120 1200N	ALR230-1H3 A120 1200N

Specification	Unit	Data
ALR230-1H1-A044		ALR230-2H1-A044
		
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	66	39	26	16
Allowable Overhang Distance - mm	Horizontal Use	0°	620	1000	1200	1200
		45°	600	950	1200	1200
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	700	1128	1200	1200
		45°	715	1145	1200	1200
		90°	355	567	799	1200
	Note4 Vertical Use	0°	800	1200	1200	1200
		45°	400	620	850	1200
		90°	800	1200	1200	1200
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

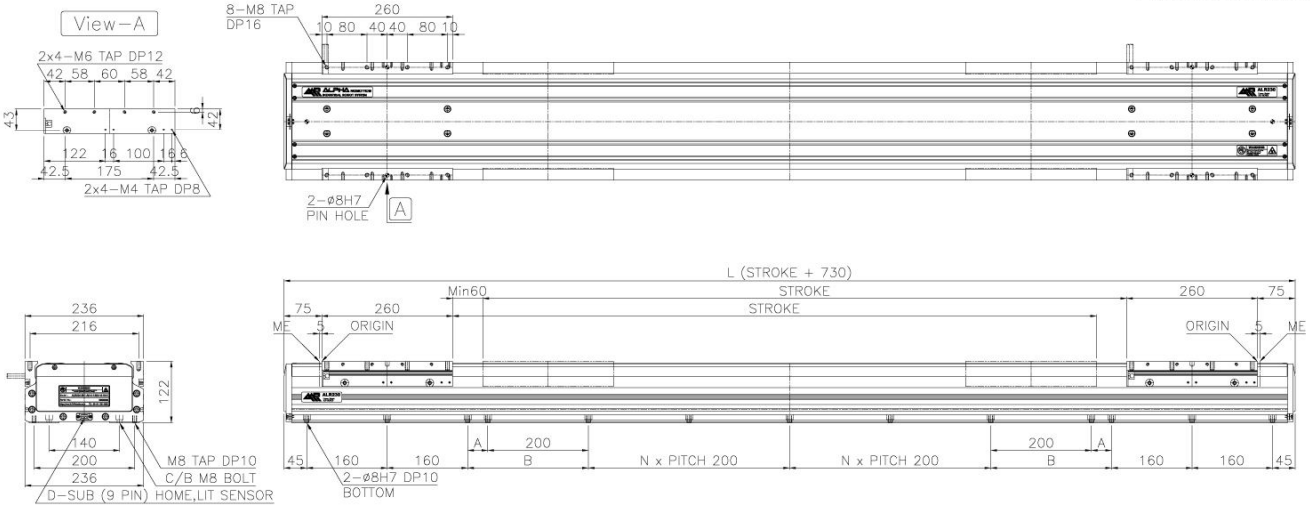
ALR230-1H1

* All dimensions in mm



ALR230-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1H1-A044	kgf	41.96	58.08	74.19	90.31	122.54	(3.22)
ALR230-2H1-A044	kgf	63.00	79.11	95.23	111.34	143.58	(3.22)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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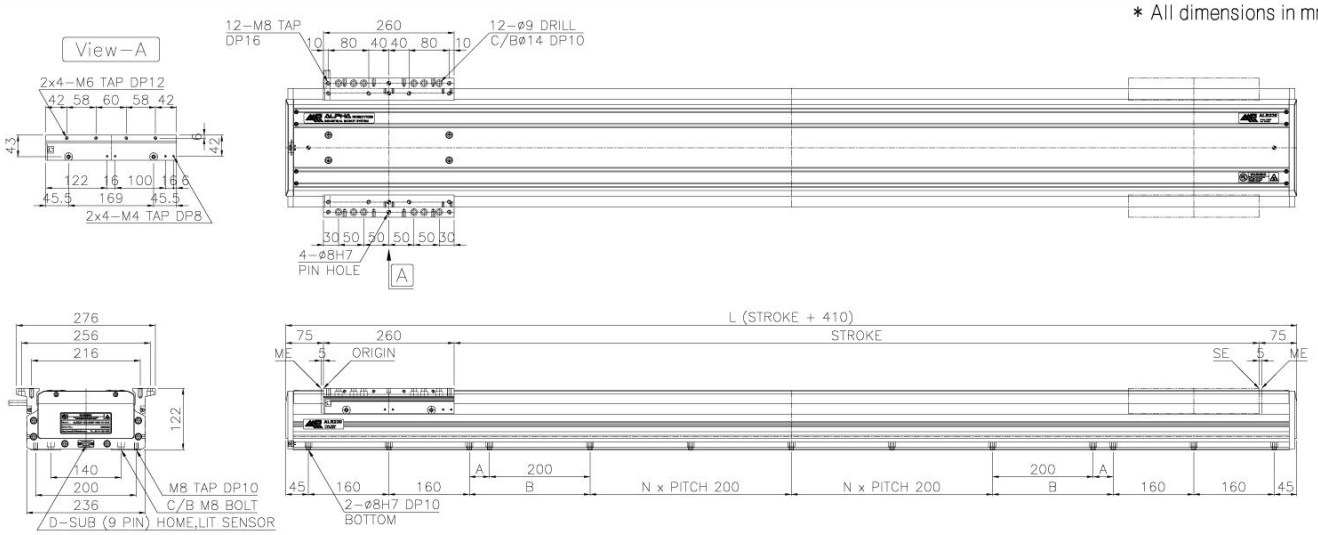
Model / Peak Force	ALR230-1H1 A022 220N	ALR230-1H2 A022 220N	ALR230-1H3 A022 220N	ALR230-1H1 A044 440N	ALR230-1H2 A044 440N	ALR230-1H3 A044 440N	ALR230-1H1 A060 600N	ALR230-1H2 A060 600N	ALR230-1H3 A060 600N	ALR230-1H1 A120 1200N	ALR230-1H2 A120 1200N	ALR230-1H3 A120 1200N

Specification	Unit	Data
ALR230-1H2-A044		ALR230-2H2-A044
		
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	66	39	26	16
Allowable Overhang Distance - mm	Horizontal Use	0°	620	1000	1200	1200
		45°	600	950	1200	1200
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	700	1128	1200	1200
		45°	715	1145	1200	1200
		90°	355	567	799	1200
	Note4 Vertical Use	0°	800	1200	1200	1200
		45°	400	620	850	1200
		90°	800	1200	1200	1200
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

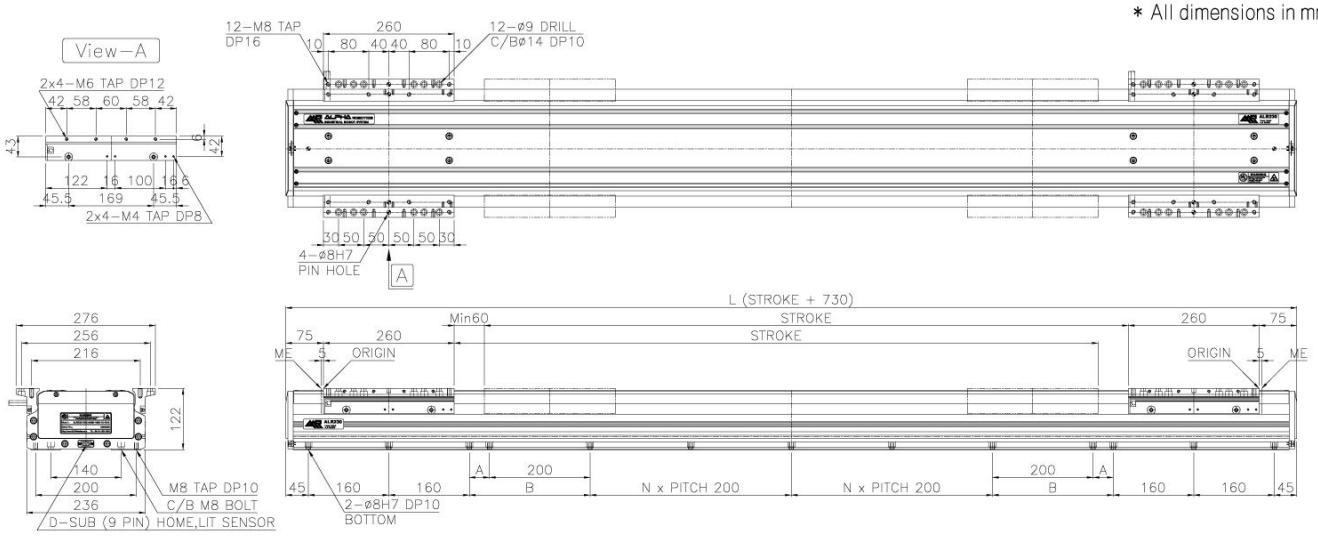
ALR230-1H2

* All dimensions in mm



ALR230-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1H2-A044	kgf	41.96	58.08	74.19	90.31	122.54	(3.22)
ALR230-2H2-A044	kgf	63.00	79.11	95.23	111.34	143.58	(3.22)

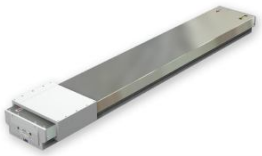
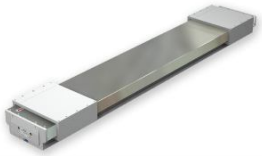
CAUTION

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ME : Mechanical End
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Apply 'B' value, in case of 'A' value is below of 80

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NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

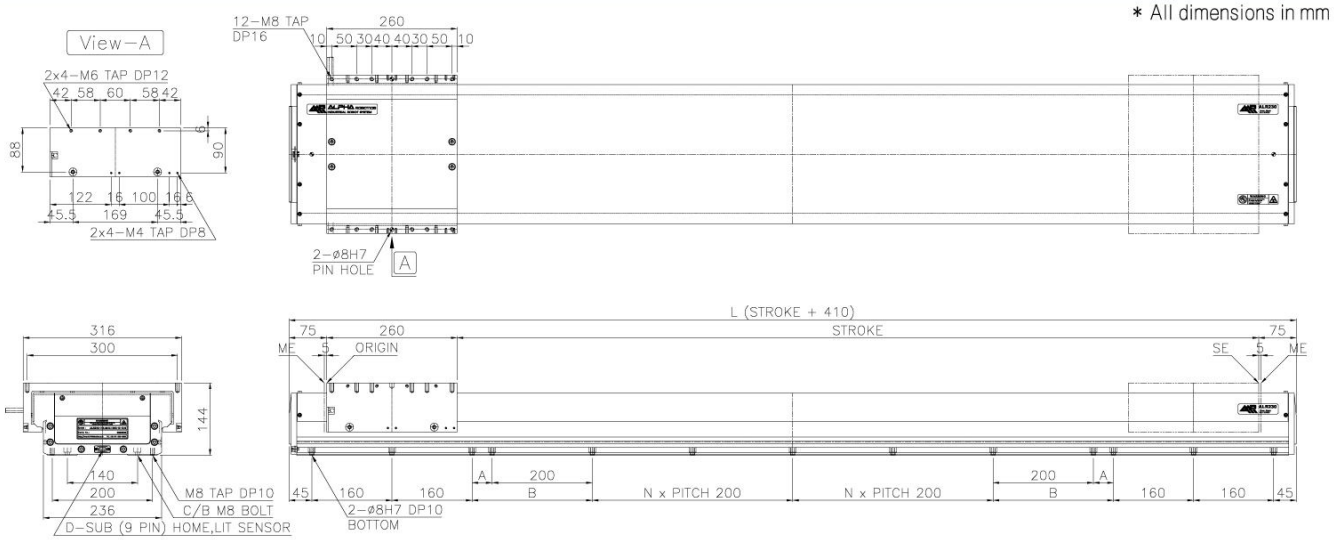
Model / Peak Force	ALR230-1H1 A022 220N	ALR230-1H2 A022 220N	ALR230-1H3 A022 220N	ALR230-1H1 A044 440N	ALR230-1H2 A044 440N	ALR230-1H3 A044 440N	ALR230-1H1 A060 600N	ALR230-1H2 A060 600N	ALR230-1H3 A060 600N	ALR230-1H1 A120 1200N	ALR230-1H2 A120 1200N	ALR230-1H3 A120 1200N

Specification	Unit	Data
ALR230-1H3-A044		ALR230-2H3-A044
		
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	62	35	22	12
Allowable Overhang Distance - mm	Horizontal Use	0°	655	1115	1200	1200
		45°	630	1050	1200	1200
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	740	1200	1200	1200
		45°	750	1200	1200	1200
		90°	372	628	935	1200
	Note4 Vertical Use	0°	840	1200	1200	1200
		45°	420	680	990	1200
		90°	840	1200	1200	1200
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

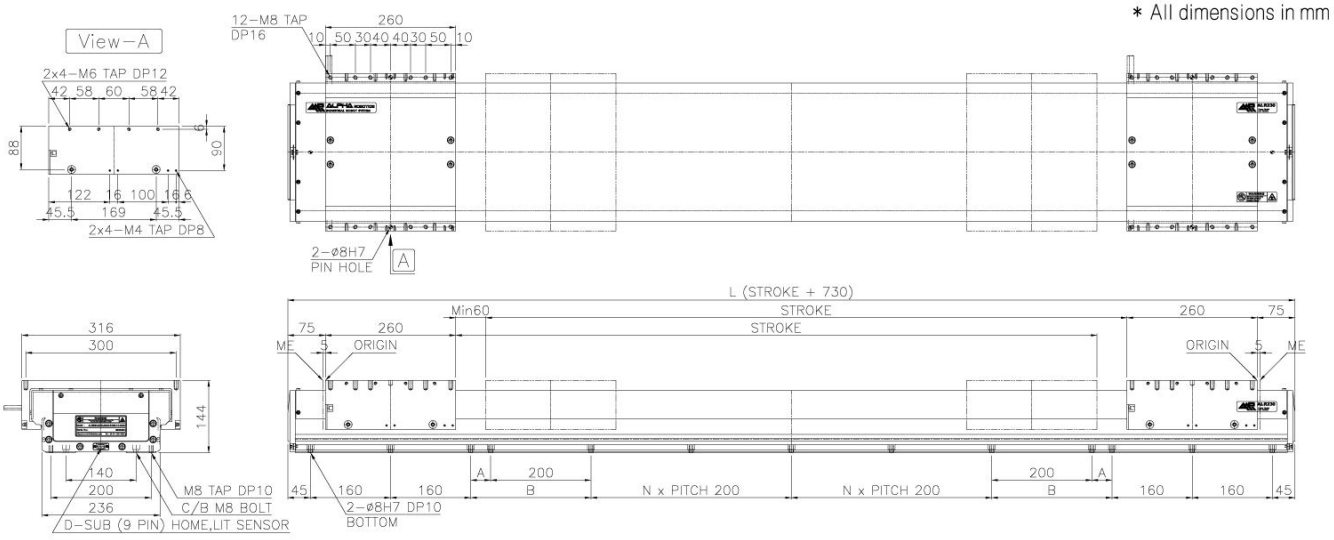
ALR230-1H3

* All dimensions in mm



ALR230-2H3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1H3-A044	kgf	47.05	63.42	79.79	96.16	128.90	(3.27)
ALR230-2H3-A044	kgf	72.90	89.27	105.64	122.01	154.75	(3.27)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

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NOTE3 It is differed by an operating conditions.
NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

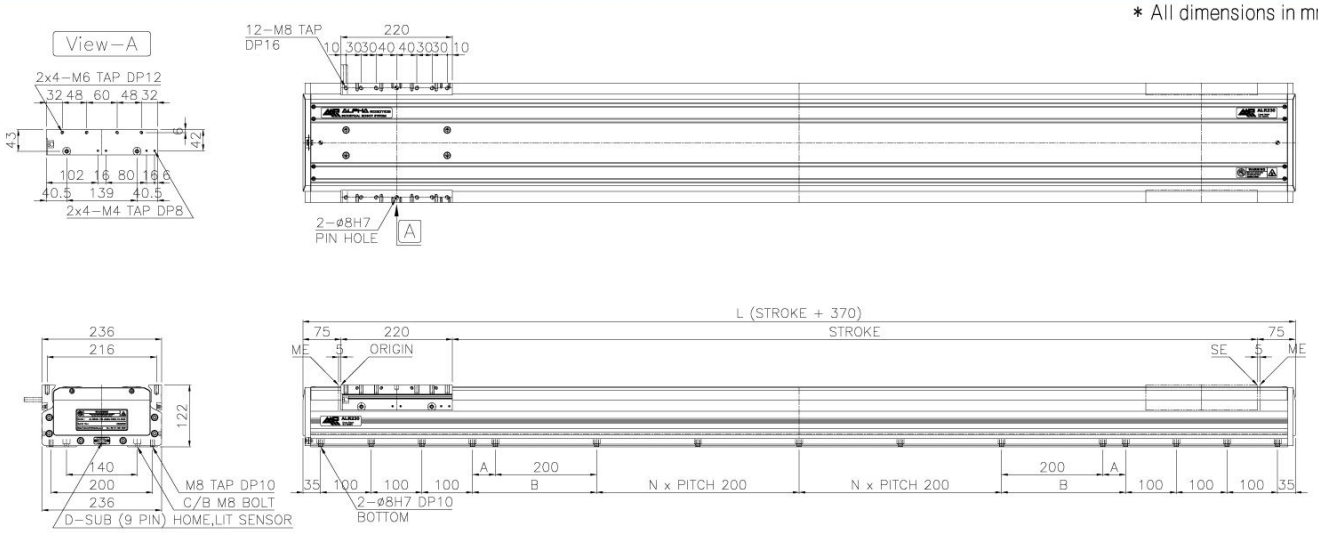
Model / Peak Force	ALR230-1H1 A022 220N	ALR230-1H2 A022 220N	ALR230-1H3 A022 220N	ALR230-1H1 A044 440N	ALR230-1H2 A044 440N	ALR230-1H3 A044 440N	ALR230-1H1 A060 600N	ALR230-1H2 A060 600N	ALR230-1H3 A060 600N	ALR230-1H1 A120 1200N	ALR230-1H2 A120 1200N	ALR230-1H3 A120 1200N

Specification	Unit	Data
ALR230-1H1-A060		ALR230-2H1-A060
		
Rated Force	N	280
Peak Force	N	600
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	102	62	43	28
Allowable Overhang Distance - mm	Horizontal Use	0°	350	555	760	1130
		45°	335	520	690	980
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	325	522	714	1075
		45°	415	654	900	1200
		90°	181	290	398	587
	Note4 Vertical Use	0°	390	590	780	1140
		45°	195	295	390	570
		90°	390	590	780	1140
Note5	Estimated Condition	Max Speed : 2000 mm/sec Life Time : 15000 hr Waiting Time : 0 sec Stroke : 2000 mm				

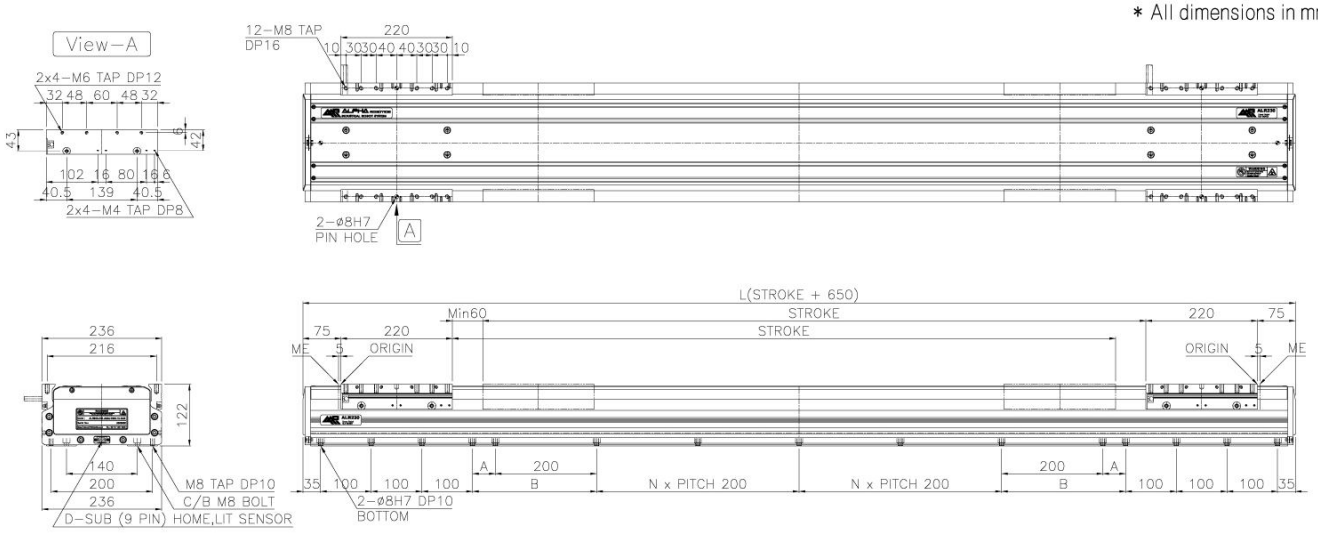
ALR230-1H1

* All dimensions in mm



ALR230-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1H1-A060	kgf	41.94	58.06	74.17	90.29	122.52	(3.22)
ALR230-2H1-A060	kgf	61.96	78.07	94.19	110.31	142.54	(3.22)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
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NOTE4 Please discuss with our company when Vertical Use is applied.
NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

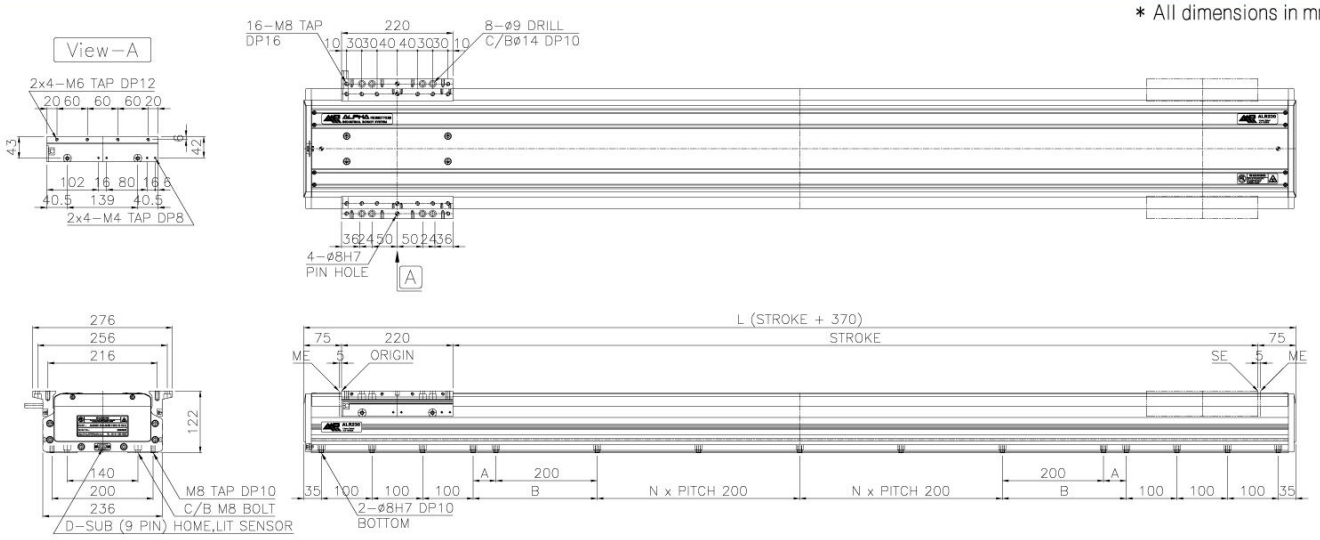
Model / Peak Force	ALR230-1H1 A022 220N	ALR230-1H2 A022 220N	ALR230-1H3 A022 220N	ALR230-1H1 A044 440N	ALR230-1H2 A044 440N	ALR230-1H3 A044 440N	ALR230-1H1 A060 600N	ALR230-1H2 A060 600N	ALR230-1H3 A060 600N	ALR230-1H1 A120 1200N	ALR230-1H2 A120 1200N	ALR230-1H3 A120 1200N

Specification	Unit	Data
ALR230-1H2-A060		ALR230-2H2-A060
		
Rated Force	N	280
Peak Force	N	600
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	102	62	43	28
Allowable Overhang Distance - mm	Horizontal Use	0°	350	555	760	1130
		45°	335	520	690	980
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	325	522	714	1075
		45°	415	654	900	1200
		90°	181	290	398	587
	Note4 Vertical Use	0°	390	590	780	1140
		45°	195	295	390	570
		90°	390	590	780	1140
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

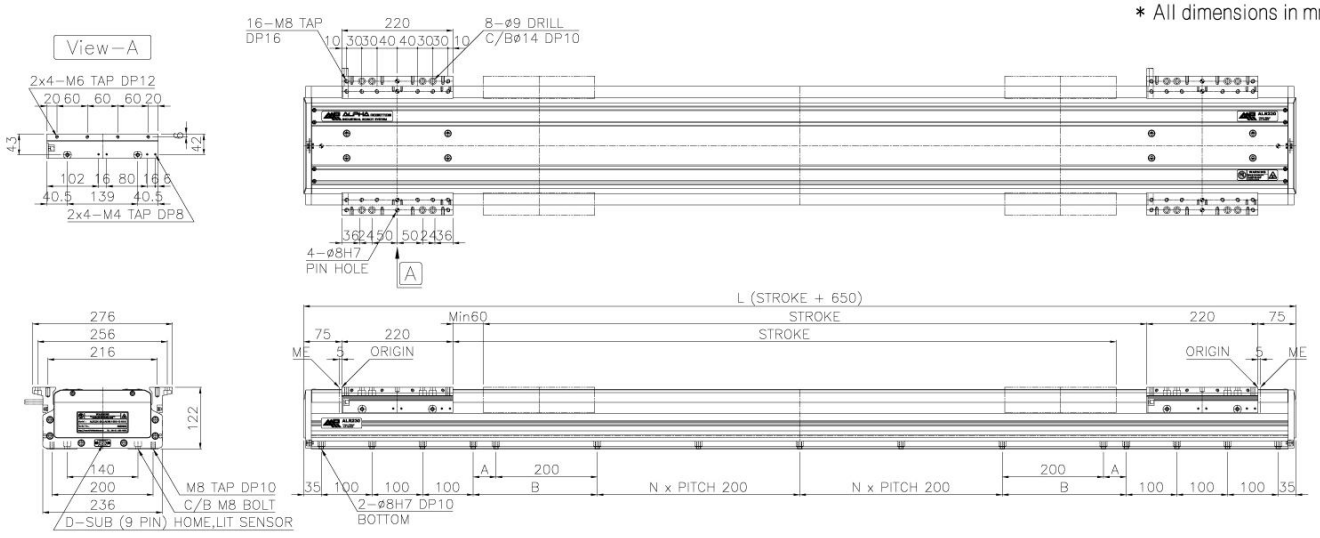
ALR230-1H2

* All dimensions in mm



ALR230-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1H2-A060	kgf	41.94	58.06	74.17	90.29	122.52	(3.22)
ALR230-2H2-A060	kgf	61.96	78.07	94.19	110.31	142.54	(3.22)

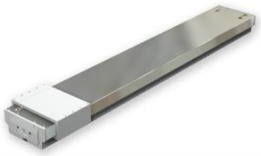
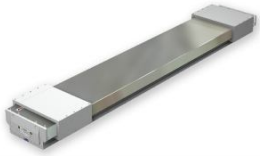
CAUTION

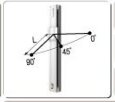
Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
NOTE2 In case of the short stroke, it may not be reached at maximum speed.
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NOTE5 When the robot collides with an excessive overhang setting, the robot may be subject to a large impact and damaged.

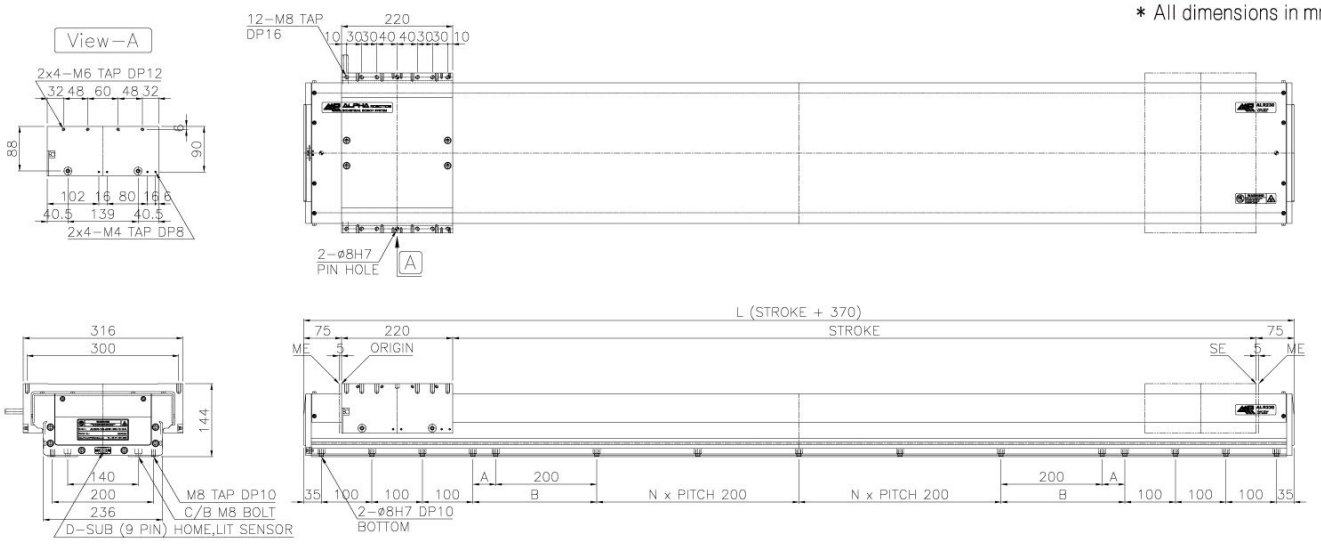
Model / Peak Force	ALR230-1H1 A022 220N	ALR230-1H2 A022 220N	ALR230-1H3 A022 220N	ALR230-1H1 A044 440N	ALR230-1H2 A044 440N	ALR230-1H3 A044 440N	ALR230-1H1 A060 600N	ALR230-1H2 A060 600N	ALR230-1H3 A060 600N	ALR230-1H1 A120 1200N	ALR230-1H2 A120 1200N	ALR230-1H3 A120 1200N

Specification	Unit	Data
ALR230-1H3-A060		ALR230-2H3-A060
		
Rated Force	N	280
Peak Force	N	600
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	99	59	40	25
Allowable Overhang Distance - mm	Horizontal Use 	0°	360	590	820	1200
		45°	345	545	740	1100
		90°	1200	1200	1200	1200
	Wall Installation Use 	0°	330	546	768	1200
		45°	425	685	958	1200
		90°	187	305	428	661
	Note4 Vertical Use 	0°	400	620	840	1200
		45°	200	310	420	640
		90°	400	620	840	1200
Note5	Estimated Condition		Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm	

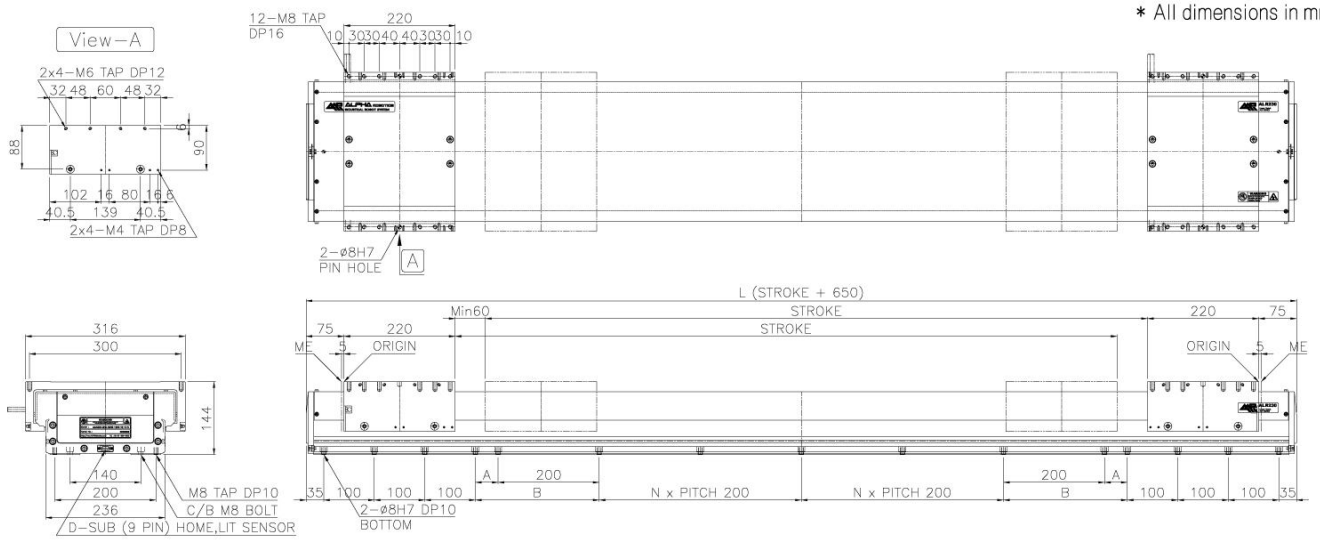
ALR230-1H3

* All dimensions in mm



ALR230-2H3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1H3-A060	kgf	46.29	62.66	79.03	95.40	128.14	(3.27)
ALR230-2H3-A060	kgf	70.38	86.75	103.12	119.49	152.23	(3.27)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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NOTE4 Please discuss with our company when Vertical Use is applied.
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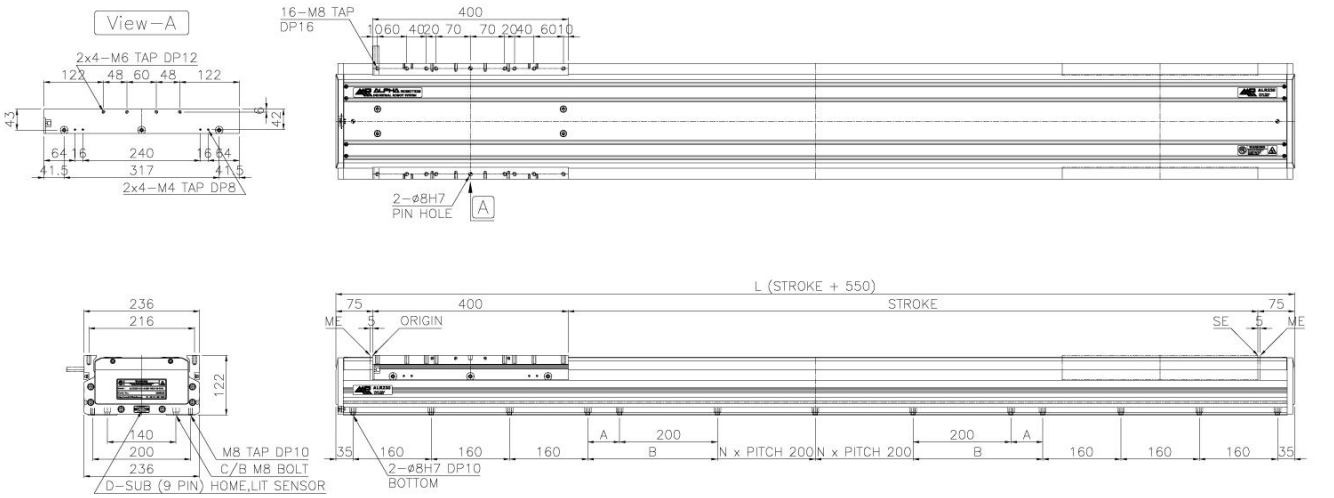
Model Peak Force	ALR230-1H1 A022 220N	ALR230-1H2 A022 220N	ALR230-1H3 A022 220N	ALR230-1H1 A044 440N	ALR230-1H2 A044 440N	ALR230-1H3 A044 440N	ALR230-1H1 A060 600N	ALR230-1H2 A060 600N	ALR230-1H3 A060 600N	ALR230-1H1 A120 1200N	ALR230-1H2 A120 1200N	ALR230-1H3 A120 1200N

Specification	Unit	Data
ALR230-1H1-A120		
Rated Force	N	560
Peak Force	N	1200
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 6Block

Specification		Unit	Data			
ALR230-2H1-A120						
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	150	129	90	60
Allowable Overhang Distance - mm	Horizontal Use	0°	240	265	370	570
		45°	235	260	365	550
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	450	485	675	1011
		45°	260	287	408	612
		90°	165	180	250	385
	Note4 Vertical Use	0°	565	600	800	1150
		45°	280	300	400	570
		90°	565	600	790	1140
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

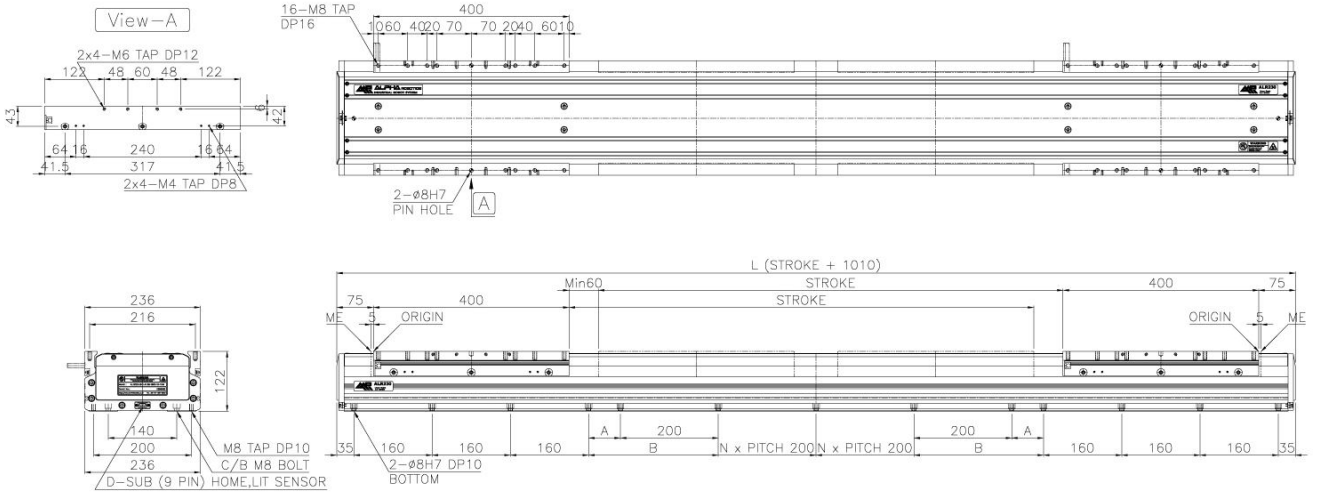
ALR230-1H1

* All dimensions in mm



ALR230-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1H1-A120	kgf	56.41	72.53	88.65	104.76	136.99	(3.22)
ALR230-2H1-A120	kgf	90.90	107.02	123.13	139.25	171.48	(3.22)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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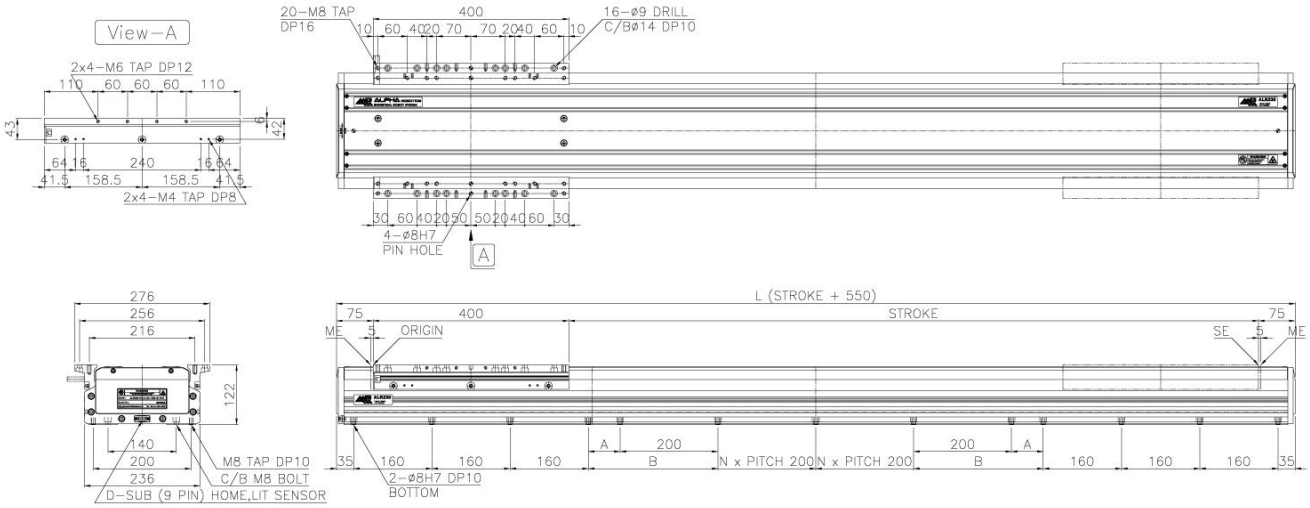
Model / Peak Force	ALR230-1H1 A022 220N	ALR230-1H2 A022 220N	ALR230-1H3 A022 220N	ALR230-1H1 A044 440N	ALR230-1H2 A044 440N	ALR230-1H3 A044 440N	ALR230-1H1 A060 600N	ALR230-1H2 A060 600N	ALR230-1H3 A060 600N	ALR230-1H1 A120 1200N	ALR230-1H2 A120 1200N	ALR230-1H3 A120 1200N

Specification	Unit	Data
ALR230-1H2-A120		ALR230-2H2-A120
		
Rated Force	N	560
Peak Force	N	1200
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 6Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	150	129	90	60
Allowable Overhang Distance - mm	Horizontal Use	0°	240	265	370	570
		45°	235	260	365	550
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	450	485	675	1011
		45°	260	287	408	612
		90°	165	180	250	385
	Note4 Vertical Use	0°	565	600	800	1150
		45°	280	300	400	570
		90°	565	600	790	1140
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

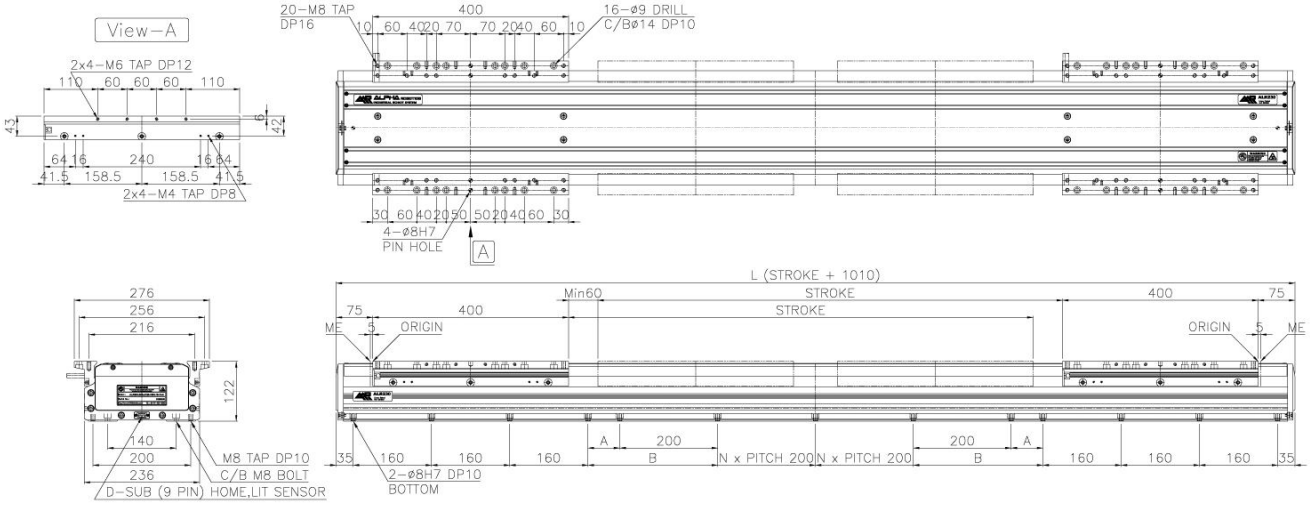
ALR230-1H2

* All dimensions in mm



ALR230-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1H2-A120	kgf	56.41	72.53	88.65	104.76	136.99	(3.22)
ALR230-2H2-A120	kgf	90.90	107.02	123.13	139.25	171.48	(3.22)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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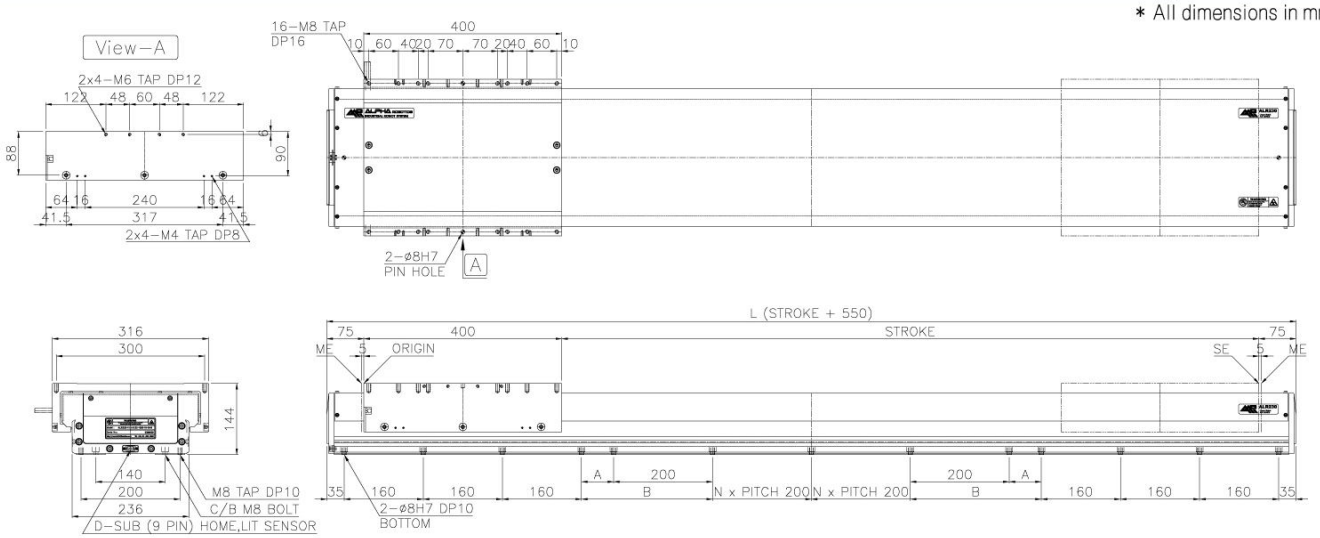
Model / Peak Force	ALR230-1H1 A022 220N	ALR230-1H2 A022 220N	ALR230-1H3 A022 220N	ALR230-1H1 A044 440N	ALR230-1H2 A044 440N	ALR230-1H3 A044 440N	ALR230-1H1 A060 600N	ALR230-1H2 A060 600N	ALR230-1H3 A060 600N	ALR230-1H1 A120 1200N	ALR230-1H2 A120 1200N	ALR230-1H3 A120 1200N

Specification	Unit	Data
ALR230-1H3-A120		ALR230-2H3-A120
		
Rated Force	N	560
Peak Force	N	1200
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 150
LM Guide	-	NO 25, 2Rail 6Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	150	123	85	54
Allowable Overhang Distance - mm	Horizontal Use	0°	235	275	400	635
		45°	235	270	390	610
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	440	510	721	1110
		45°	255	295	427	675
		90°	160	185	268	421
	Note4 Vertical Use	0°	560	630	850	1200
		45°	280	315	420	630
		90°	560	630	840	1200
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

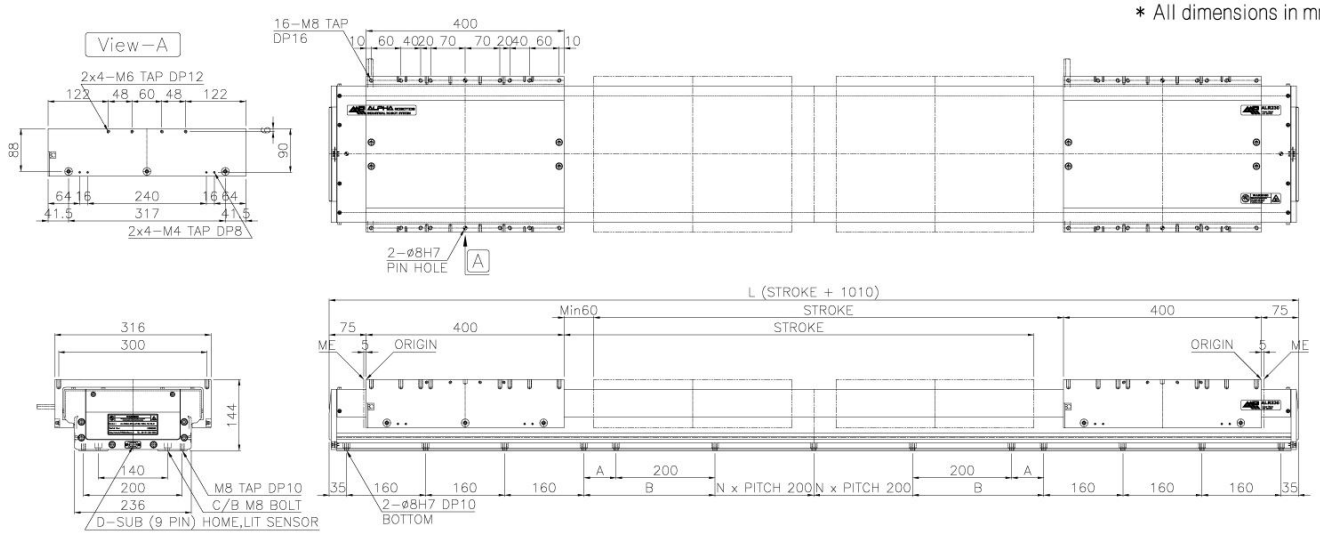
ALR230-1H3

* All dimensions in mm



ALR230-2H3

* All dimensions in mm



Model / Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR230-1H3-A120	kgf	64.08	80.45	96.82	113.19	145.93	(3.27)
ALR230-2H3-A120	kgf	105.95	122.32	138.69	155.06	187.80	(3.27)

CAUTION

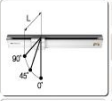
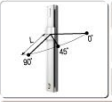
Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
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Apply 'B' value, in case of 'A' value is below of 80

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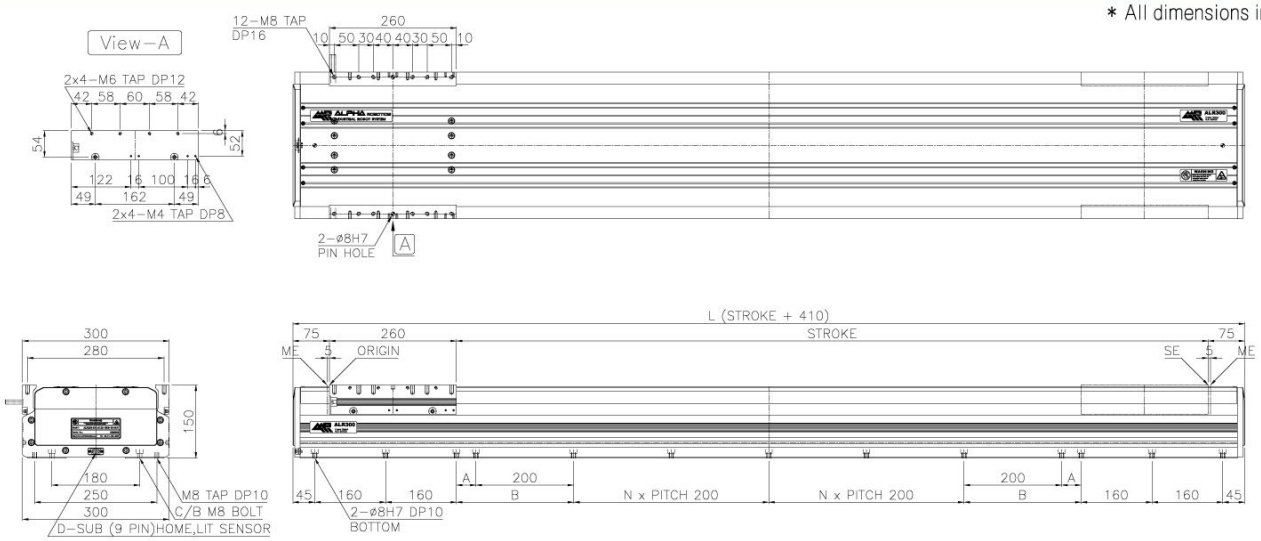
Model / Peak Force	ALR300-1H1 A120 1200N	ALR300-1H2 A120 1200N	ALR300-1H3 A120 1200N	ALR300-1H1 A240 2400N	ALR300-1H2 A240 2400N	ALR300-1H3 A240 2400N		

Specification	Unit	Data
ALR300-1H1-A120 		ALR300-2H1-A120 
Rated Force	N	560
Peak Force	N	1200
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
Max. Load	kgf	Note3 200
LM Guide	-	NO 30, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	200	129	91	61
Allowable Overhang Distance - mm	Horizontal Use 	0°	225	350	480	690
		45°	215	315	420	580
		90°	1030	1180	1330	1500
	Wall Installation Use 	0°	165	260	360	540
		45°	280	425	580	830
		90°	105	163	225	330
	Note4 Vertical Use 	0°	225	320	420	600
		45°	113	160	210	300
		90°	225	320	420	600
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

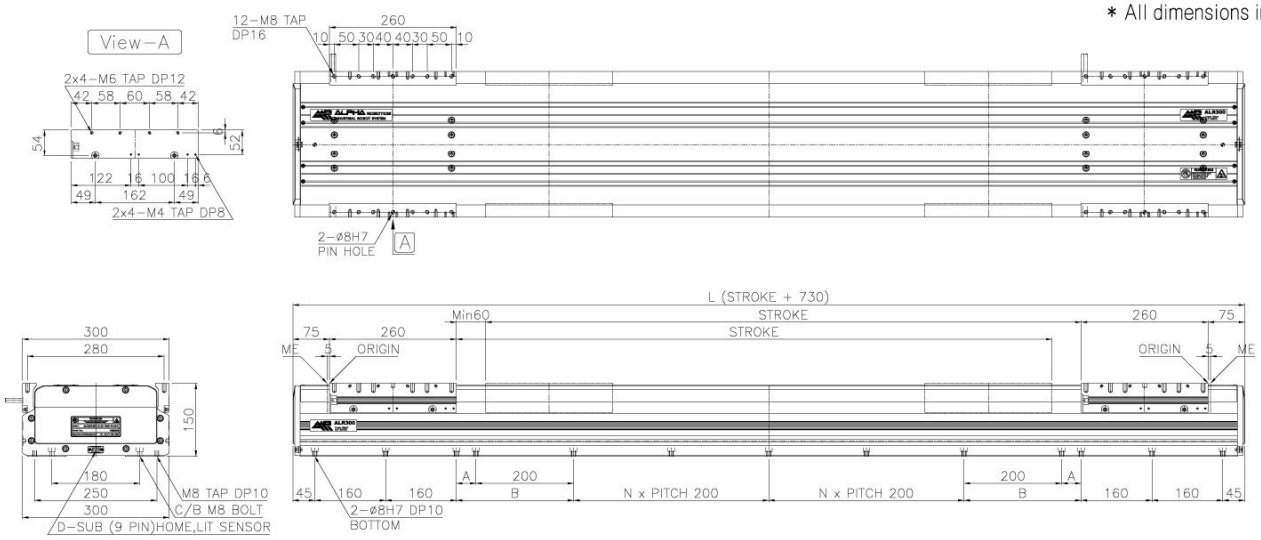
ALR300-1H1

* All dimensions in mm



ALR300-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR300-1H1-A120	kgf	70.67	97.86	125.06	152.26	206.66	(5.44)
ALR300-2H1-A120	kgf	105.41	132.61	159.81	187.01	241.41	(5.44)

CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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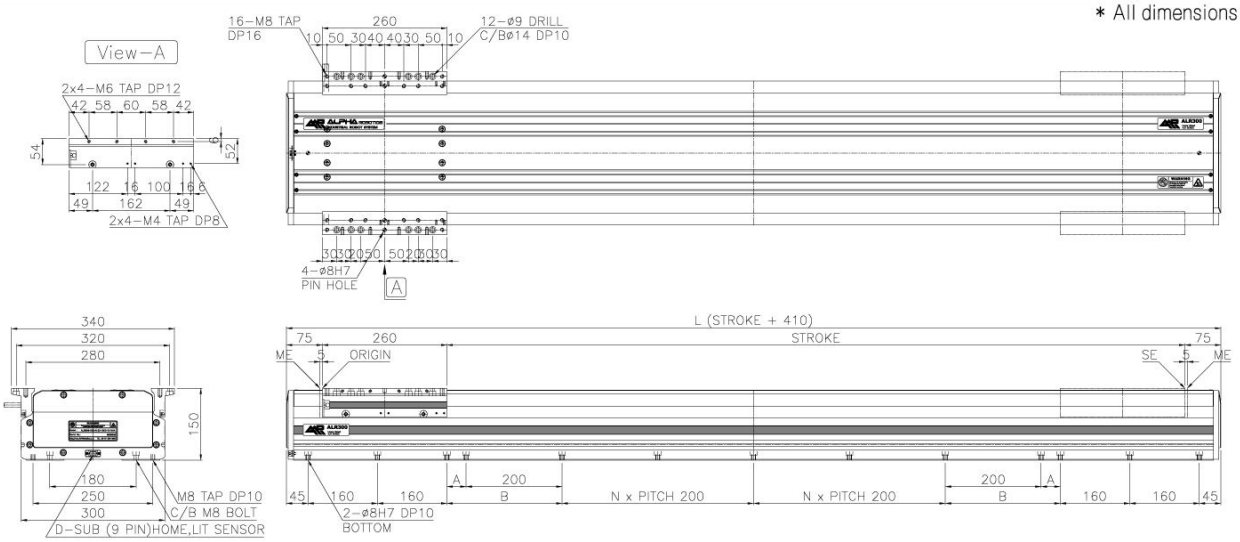
Model / Peak Force	ALR300-1H1 A120 1200N	ALR300-1H2 A120 1200N	ALR300-1H3 A120 1200N	ALR300-1H1 A240 2400N	ALR300-1H2 A240 2400N	ALR300-1H3 A240 2400N		

Specification	Unit	Data
ALR300-1H2-A120		ALR300-2H2-A120
		
Rated Force	N	560
Peak Force	N	1200
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
Max. Load	kgf	Note3 200
LM Guide	-	NO 30, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	200	129	91	61
Allowable Overhang Distance - mm	Horizontal Use	0°	225	350	480	690
		45°	215	315	420	580
		90°	1030	1180	1330	1500
	Wall Installation Use	0°	165	260	360	540
		45°	280	425	580	830
		90°	105	163	225	330
	Note4 Vertical Use	0°	225	320	420	600
		45°	113	160	210	300
		90°	225	320	420	600
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

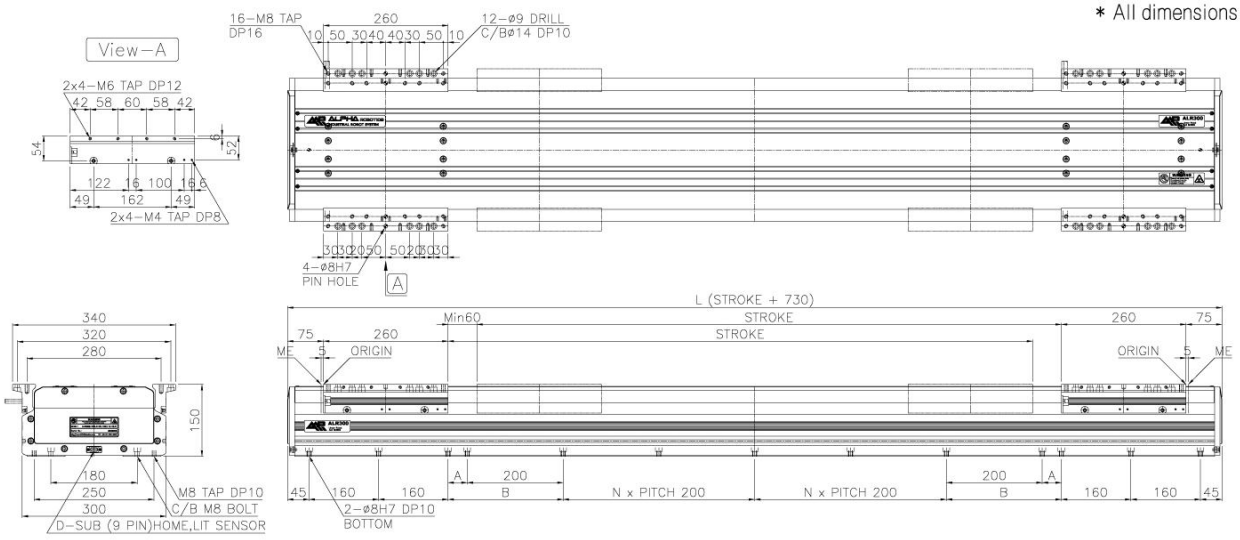
ALR300-1H2

* All dimensions in mm



ALR300-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR300-1H2-A120	kgf	70.67	97.86	125.06	152.26	206.66	(5.44)
ALR300-2H2-A120	kgf	105.41	132.61	159.81	187.01	241.41	(5.44)

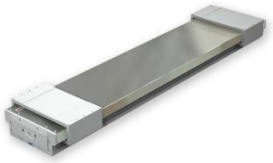
CAUTION

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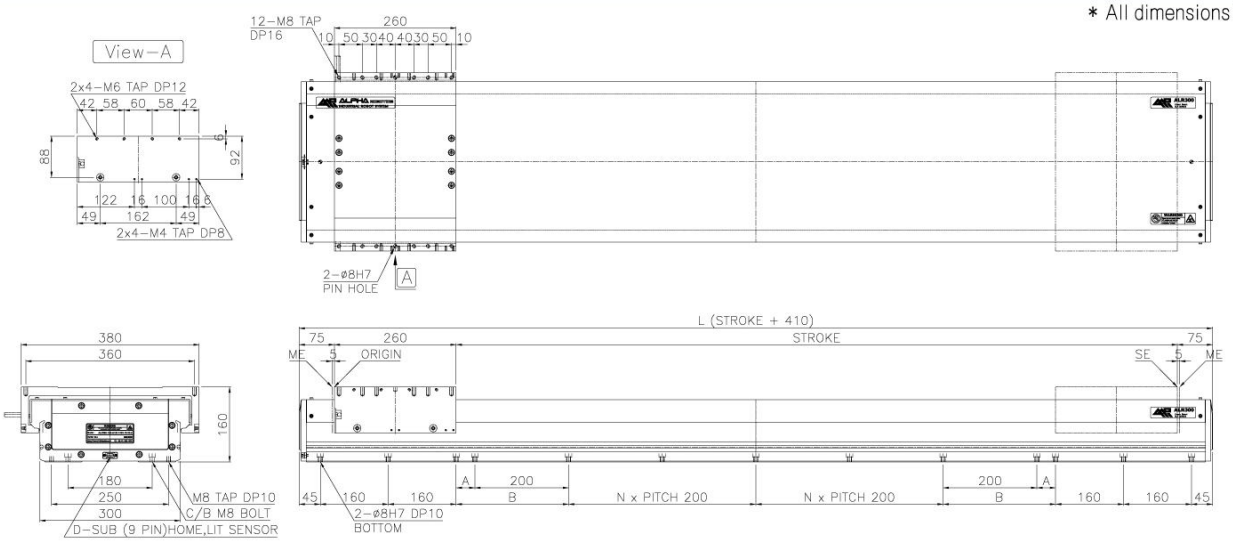
Model / Peak Force	ALR300-1H1 A120 1200N	ALR300-1H2 A120 1200N	ALR300-1H3 A120 1200N	ALR300-1H1 A240 2400N	ALR300-1H2 A240 2400N	ALR300-1H3 A240 2400N		

Specification	Unit	Data
ALR300-1H3-A120		ALR300-2H3-A120
		
Rated Force	N	560
Peak Force	N	1200
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
Max. Load	kgf	Note3 200
LM Guide	-	NO 30, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	200	125	87	57
Allowable Overhang Distance - mm	Horizontal Use	0°	225	360	500	740
		45°	210	315	440	620
		90°	1025	1210	1400	1500
	Wall Installation Use	0°	163	265	375	575
		45°	275	435	600	880
		90°	103	165	230	350
	Note4 Vertical Use	0°	225	325	435	635
		45°	112	164	215	315
		90°	225	325	435	630
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

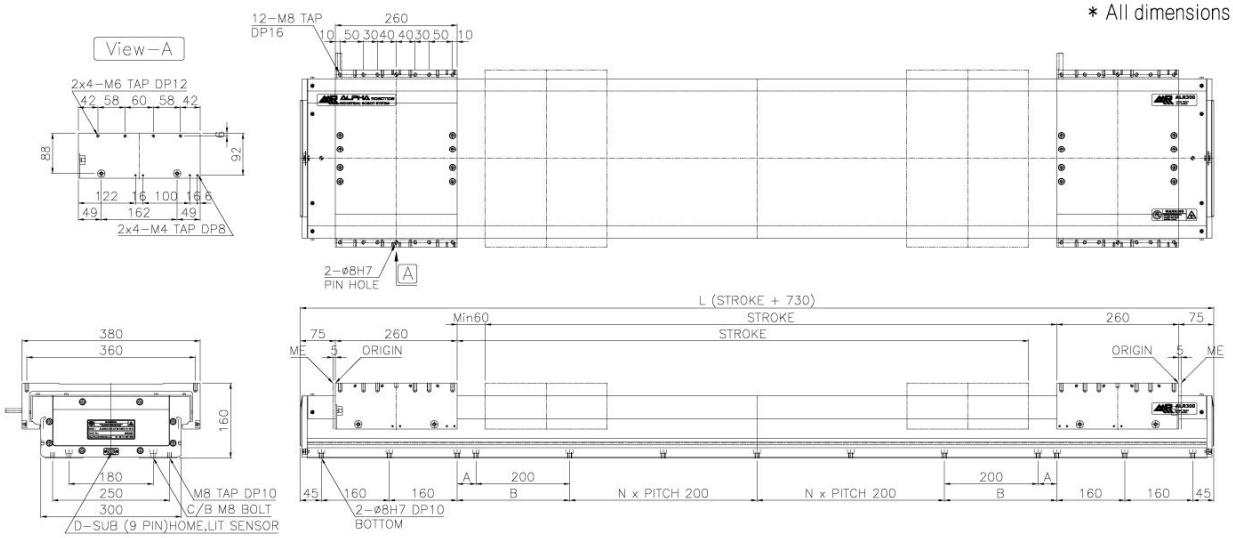
ALR300-1H3

* All dimensions in mm



ALR300-2H3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR300-1H3-A120	kgf	75.86	102.64	129.42	156.21	209.77	(5.36)
ALR300-2H3-A120	kgf	116.25	143.03	169.82	196.60	250.17	(5.36)

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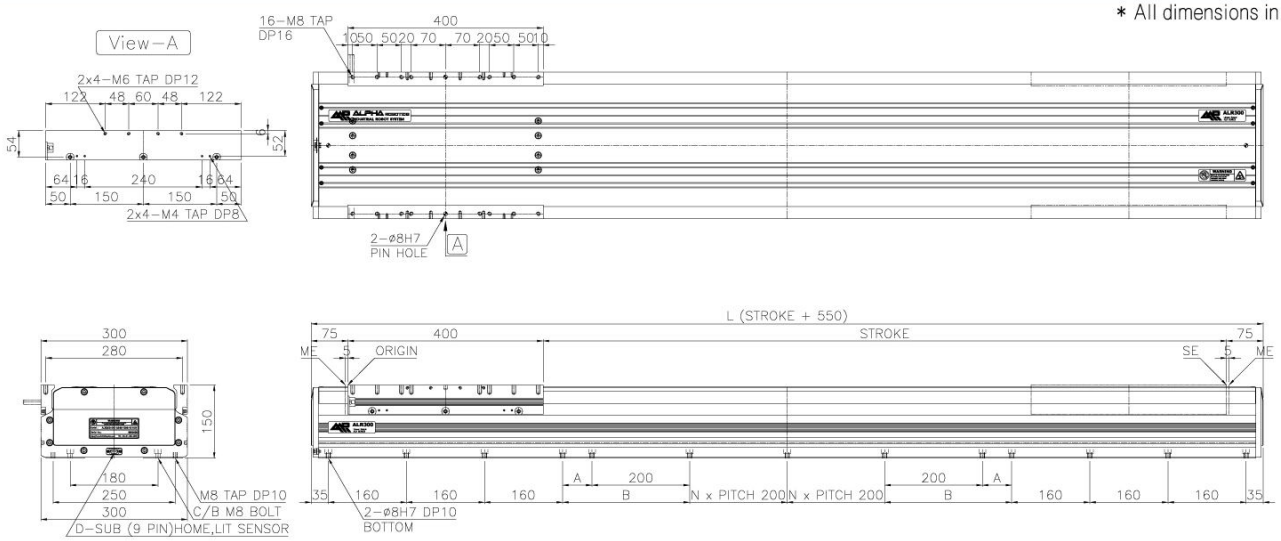
Model / Peak Force	ALR300-1H1 A120 1200N	ALR300-1H2 A120 1200N	ALR300-1H3 A120 1200N	ALR300-1H1 A240 2400N	ALR300-1H2 A240 2400N	ALR300-1H3 A240 2400N		

Specification	Unit	Data
ALR300-1H1-A240		ALR300-2H1-A240
		
Rated Force	N	1120
Peak Force	N	2400
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
Max. Load	kgf	Note3 200
LM Guide	-	NO 30, 2Rail 6Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	200	200	189	128
Allowable Overhang Distance - mm	Horizontal Use	0°	250	220	220	340
		45°	245	215	215	325
		90°	1500	1500	1410	1500
	Wall Installation Use	0°	370	320	320	485
		45°	275	240	240	370
		90°	159	136	135	210
	Note4 Vertical Use	0°	485	430	425	600
		45°	240	215	210	300
		90°	480	430	425	600
Note5 Estimated Condition		Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

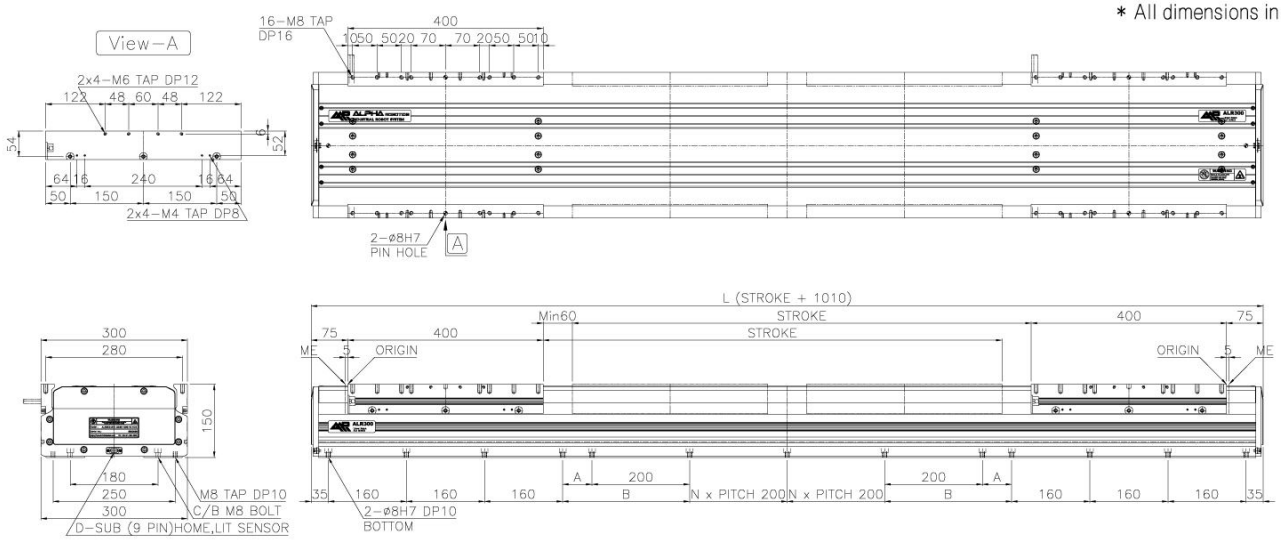
ALR300-1H1

* All dimensions in mm



ALR300-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR300-1H1-A240	kgf	92.59	119.79	146.99	174.19	228.58	(5.44)
ALR300-2H1-A240	kgf	149.26	176.46	203.66	230.86	285.26	(5.44)

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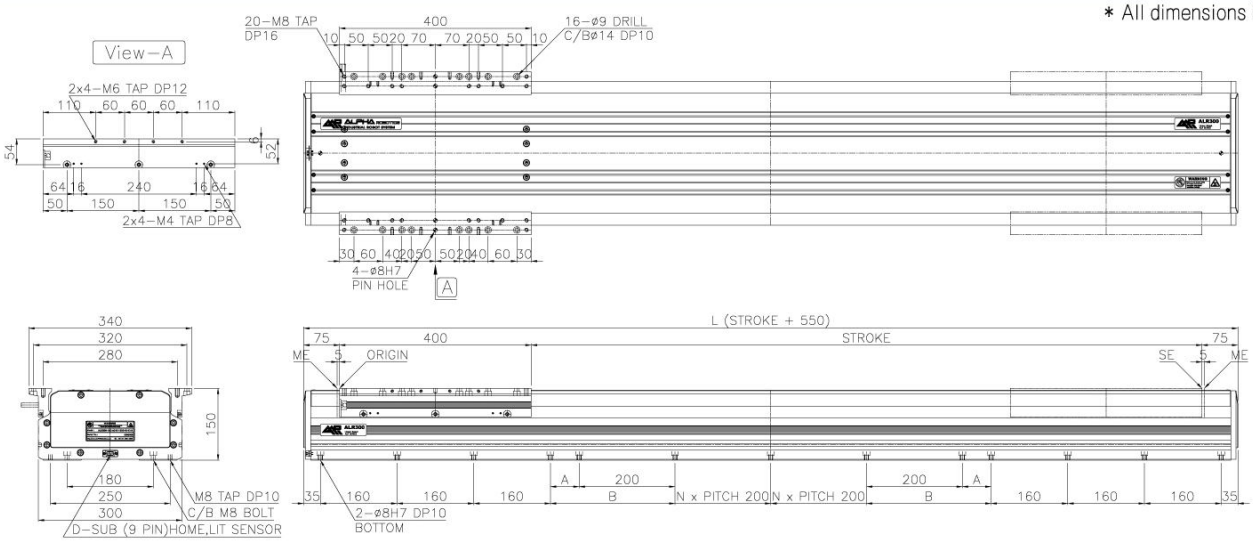
Model / Peak Force	ALR300-1H1 A120 1200N	ALR300-1H2 A120 1200N	ALR300-1H3 A120 1200N	ALR300-1H1 A240 2400N	ALR300-1H2 A240 2400N	ALR300-1H3 A240 2400N		

Specification	Unit	Data
ALR300-1H2-A240		ALR300-2H2-A240
Rated Force	N	1120
Peak Force	N	2400
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
Max. Load	kgf	Note3 200
LM Guide	-	NO 30, 2Rail 6Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	200	200	189	128
Allowable Overhang Distance - mm	Horizontal Use	0°	250	220	220	340
		45°	245	215	215	325
		90°	1500	1500	1410	1500
	Wall Installation Use	0°	370	320	320	485
		45°	275	240	240	370
		90°	159	136	135	210
	Note4 Vertical Use	0°	485	430	425	600
		45°	240	215	210	300
		90°	480	430	425	600
Note5	Estimated Condition	Max Speed : 2000 mm/sec Life Time : 15000 hr Waiting Time : 0 sec Stroke : 2000 mm				

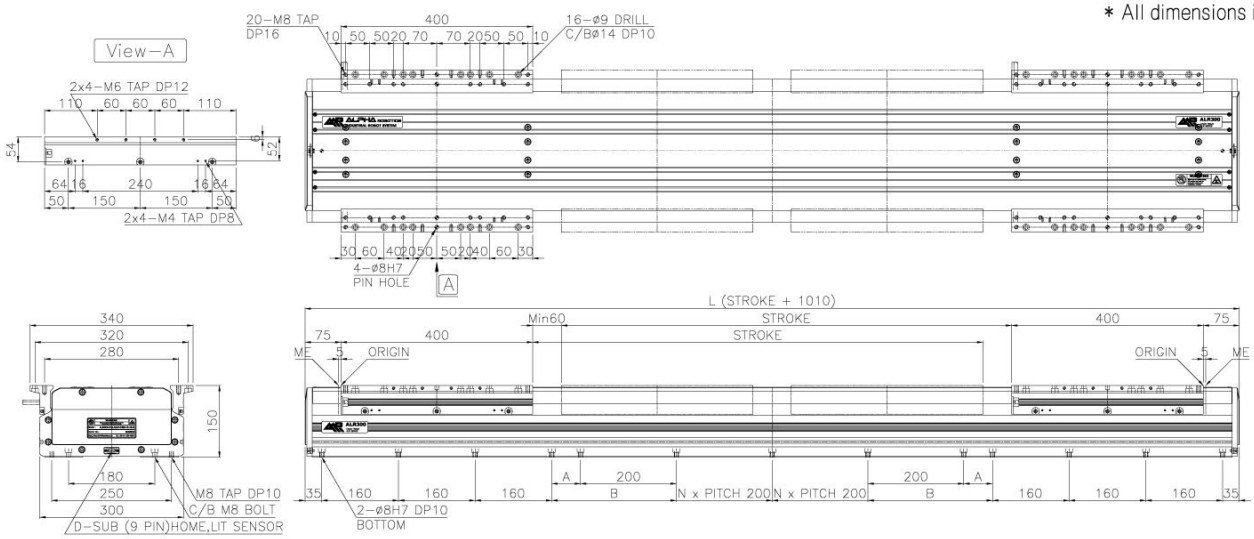
ALR300-1H2

* All dimensions in mm



ALR300-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR300-1H2-A240	kgf	92.59	119.79	146.99	174.19	228.58	(5.44)
ALR300-2H2-A240	kgf	149.26	176.46	203.66	230.86	285.26	(5.44)

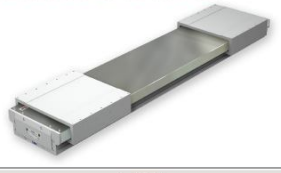
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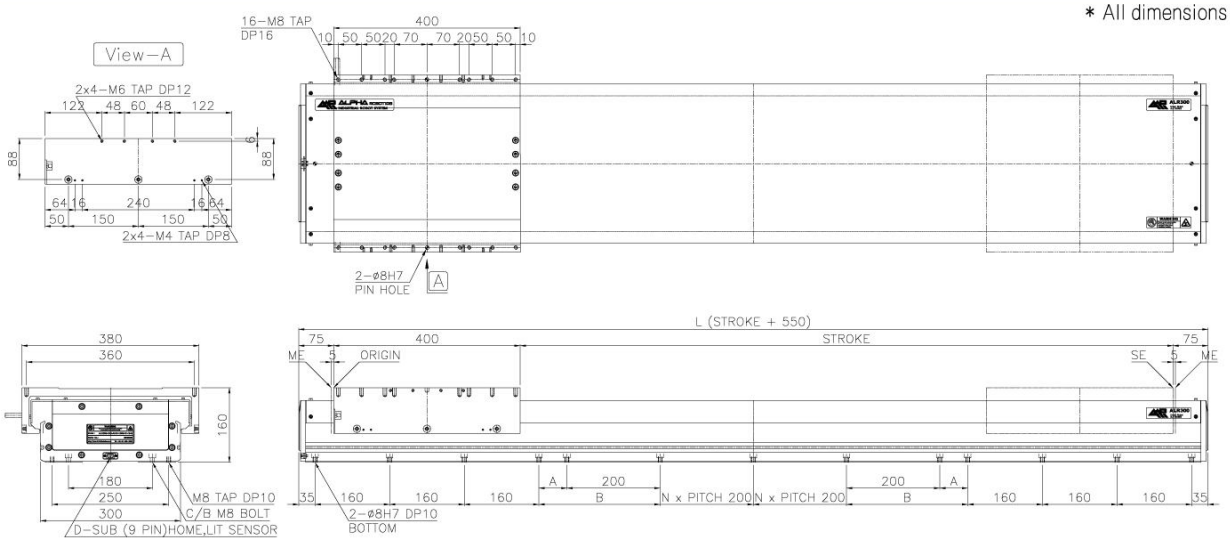
Model / Peak Force	ALR300-1H1 A120 1200N	ALR300-1H2 A120 1200N	ALR300-1H3 A120 1200N	ALR300-1H1 A240 2400N	ALR300-1H2 A240 2400N	ALR300-1H3 A240 2400N

Specification	Unit	Data
ALR300-1H3-A240		ALR300-2H3-A240
		
Rated Force	N	1120
Peak Force	N	2400
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
Max. Load	kgf	Note3 200
LM Guide	-	NO 30, 2Rail 6Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	200	200	182	121
Allowable Overhang Distance - mm	Horizontal Use	0°	250	215	230	360
		45°	245	210	220	345
		90°	1500	1500	1470	1500
	Wall Installation Use	0°	360	310	325	505
		45°	270	230	245	385
		90°	155	133	140	220
	Note4 Vertical Use	0°	480	425	440	625
		45°	240	210	220	315
		90°	480	425	440	625
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

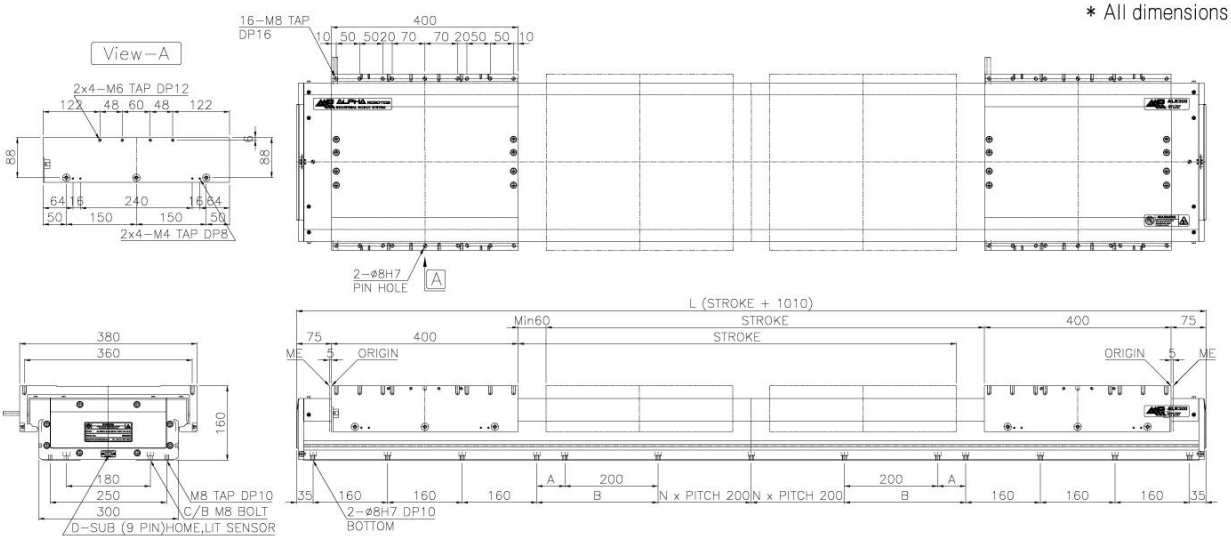
ALR300-1H3

* All dimensions in mm



ALR300-2H3

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALR300-1H3-A240	kgf	100.81	127.60	154.38	181.16	234.73	(5.36)
ALR300-2H3-A240	kgf	166.16	192.95	219.73	246.51	300.08	(5.36)

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