ALPHA ROBOTICS

GANTRY LINEAR ROBOT



ALG

GANTRY LINEAR ROBOT

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



ALG180-S	40.1
ALG230-S	41.1
ALG180-H	42.1
ALG230-H	43.1

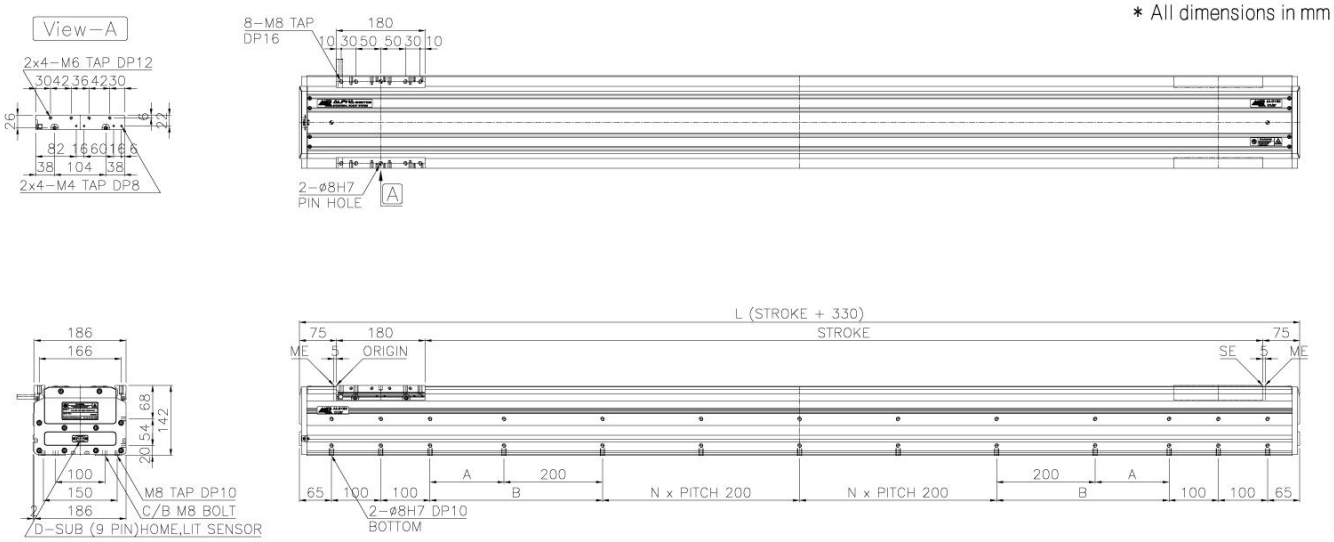
Model / Peak Force	ALG180-1S1 A008 86N	ALG180-1S2 A008 86N	ALG180-1S1 A012 125N	ALG180-1S2 A012 125N	ALG180-1S1 A022 220N	ALG180-1S2 A022 220N	ALG180-1S1 A044 440N	ALG180-1S2 A044 440N

Specification	Unit	Data
ALG180-1S1-A008		ALG180-2S1-A008
		
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
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				

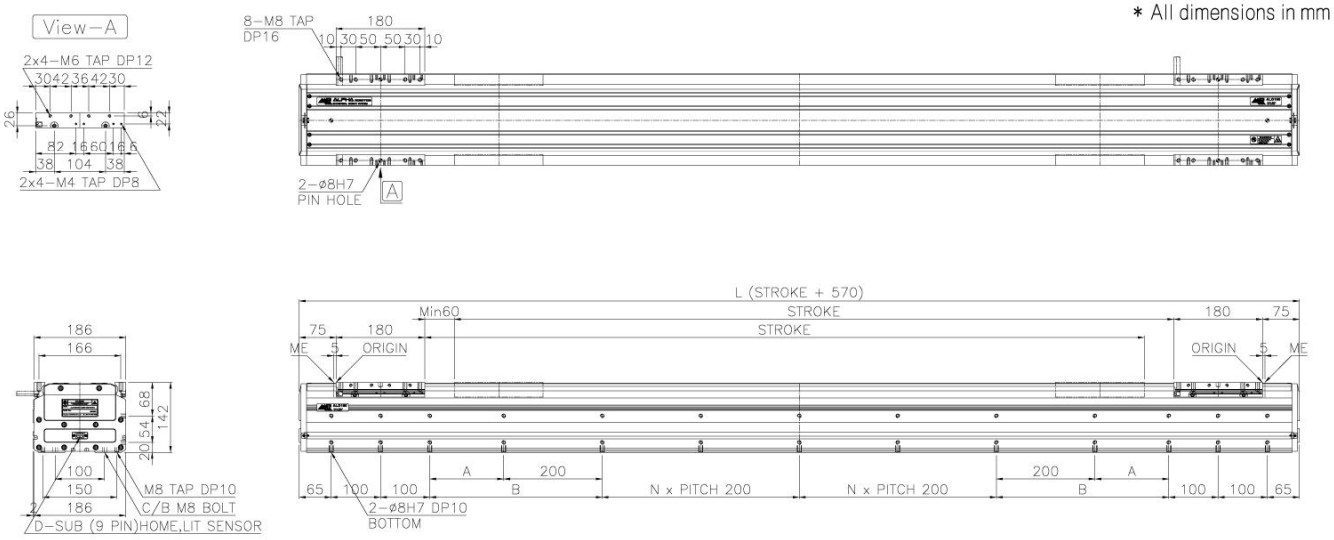
ALG180-1S1

* All dimensions in mm



ALG180-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1S1-A008	kgf	30.93	46.41	61.88	77.36	108.32	(3.10)
ALG180-2S1-A008	kgf	41.83	57.31	72.78	88.26	119.22	(3.10)

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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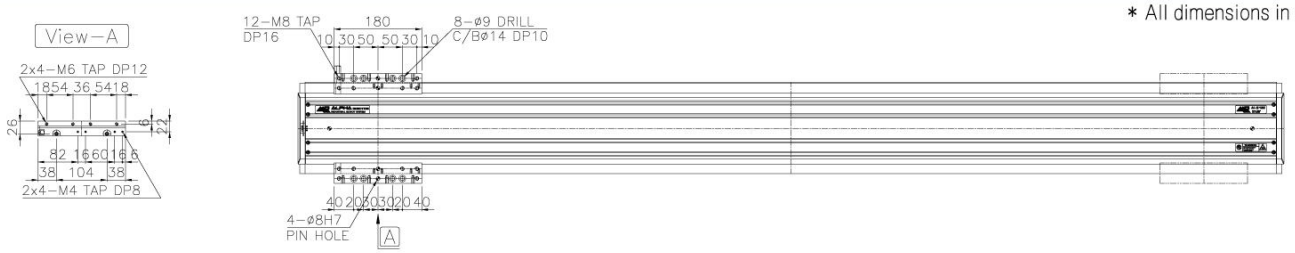
Model / Peak Force	ALG180-1S1 A008 86N	ALG180-1S2 A008 86N	ALG180-1S1 A012 125N	ALG180-1S2 A012 125N	ALG180-1S1 A022 220N	ALG180-1S2 A022 220N	ALG180-1S1 A044 440N	ALG180-1S2 A044 440N

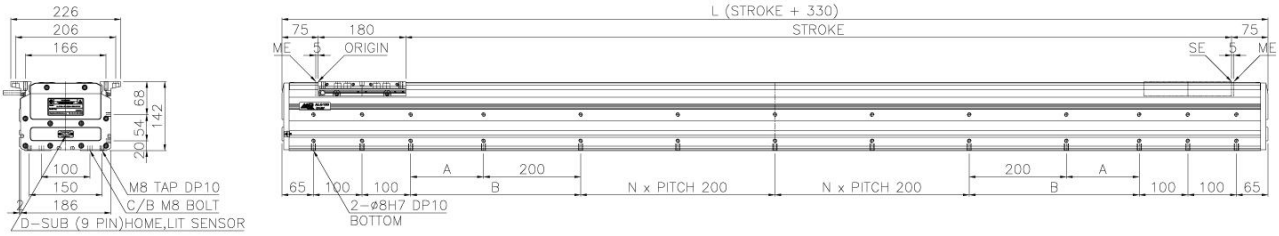
Specification	Unit	Data
ALG180-1S2-A008		ALG180-2S2-A008
		
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 30
LM Guide	-	NO 20, 2Rail 4Block

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		

ALG180-1S2

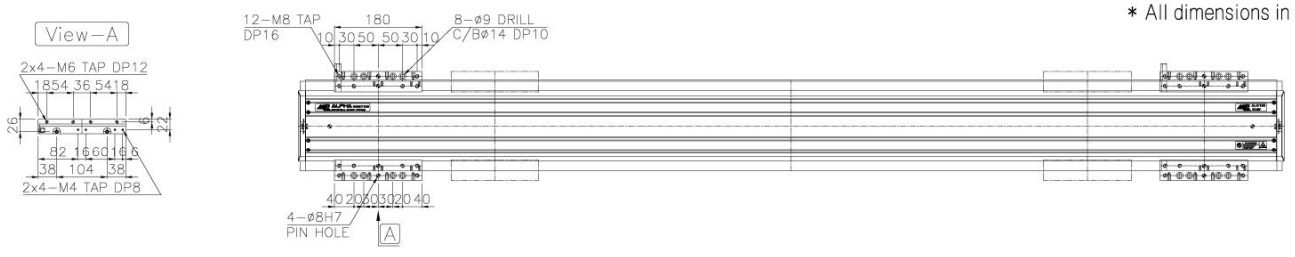
* All dimensions in mm

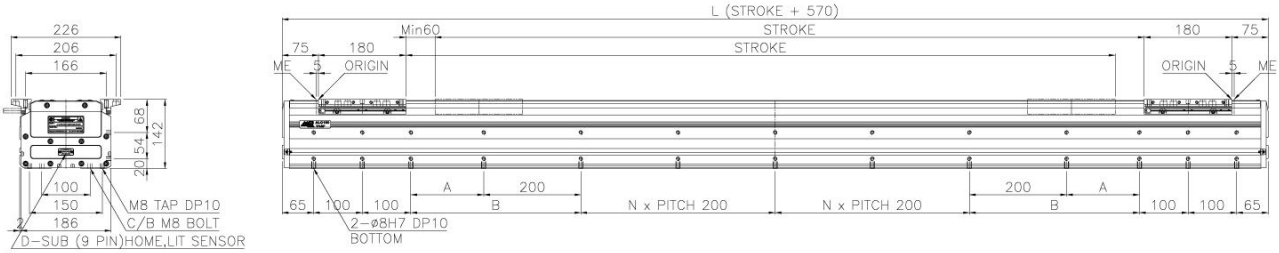




ALG180-2S2

* All dimensions in mm





Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1S2-A008	kgf	30.93	46.41	61.88	77.36	108.32	(3.10)
ALG180-2S2-A008	kgf	41.83	57.31	72.78	88.26	119.22	(3.10)

CAUTION

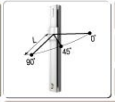
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ME : Mechanical End
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Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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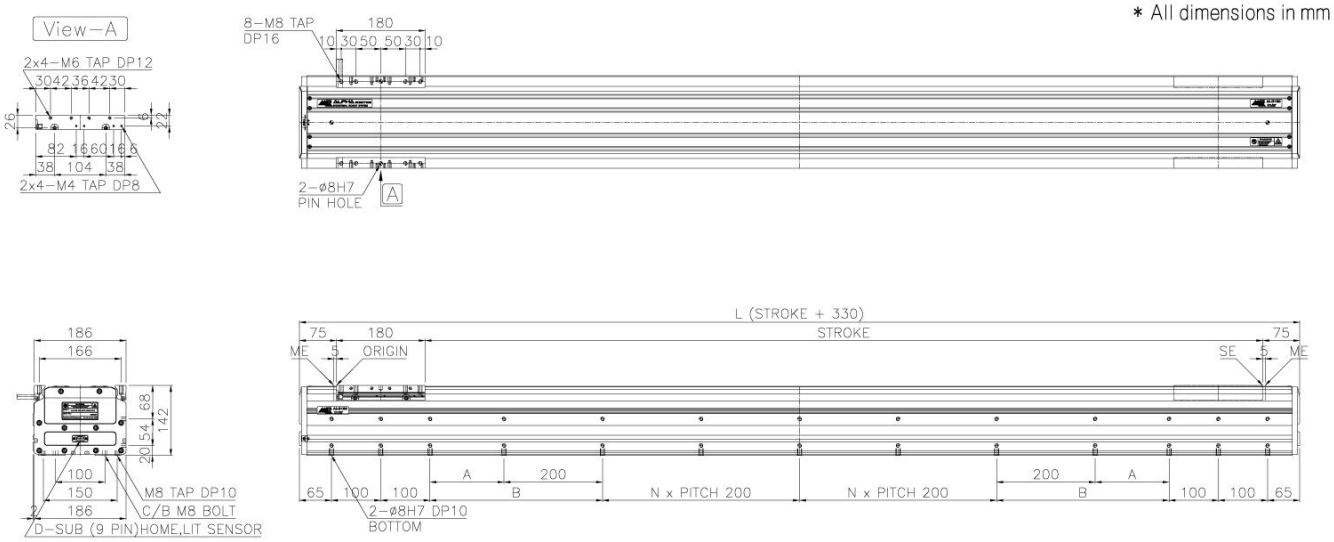
Model / Peak Force	ALG180-1S1 A008 86N	ALG180-1S2 A008 86N	ALG180-1S1 A012 125N	ALG180-1S2 A012 125N	ALG180-1S1 A022 220N	ALG180-1S2 A022 220N	ALG180-1S1 A044 440N	ALG180-1S2 A044 440N

Specification	Unit	Data
ALG180-1S1-A012 		ALG180-2S1-A012 
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
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	

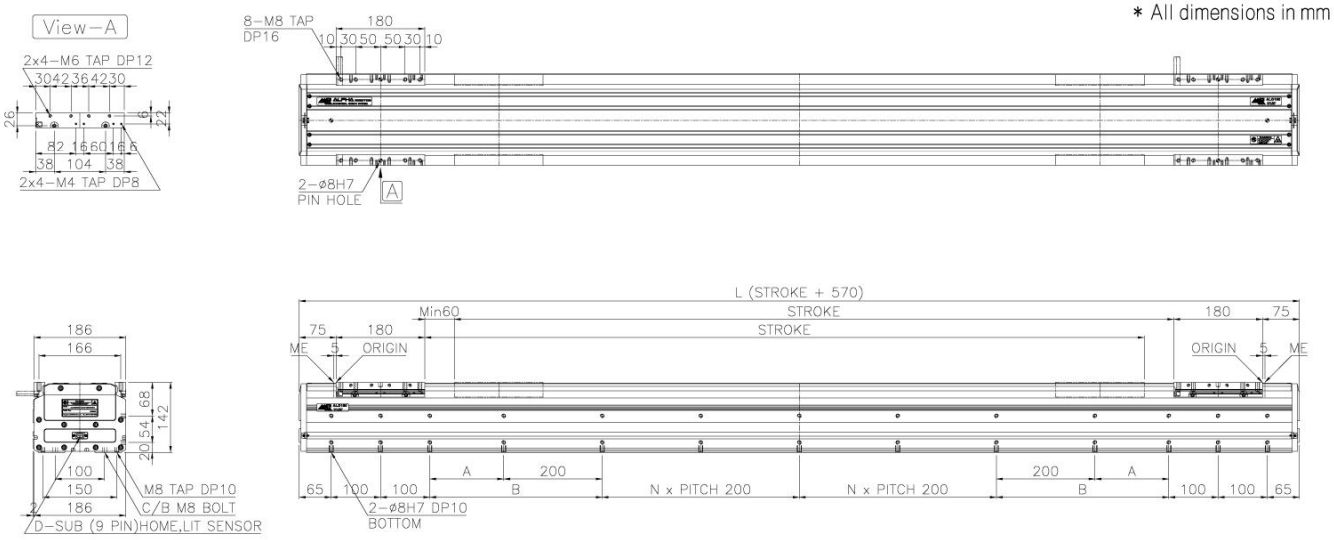
ALG180-1S1

* All dimensions in mm



ALG180-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1S1-A012	kgf	31.13	46.61	62.08	77.56	108.52	(3.10)
ALG180-2S1-A012	kgf	42.23	57.71	73.18	88.66	119.92	(3.10)

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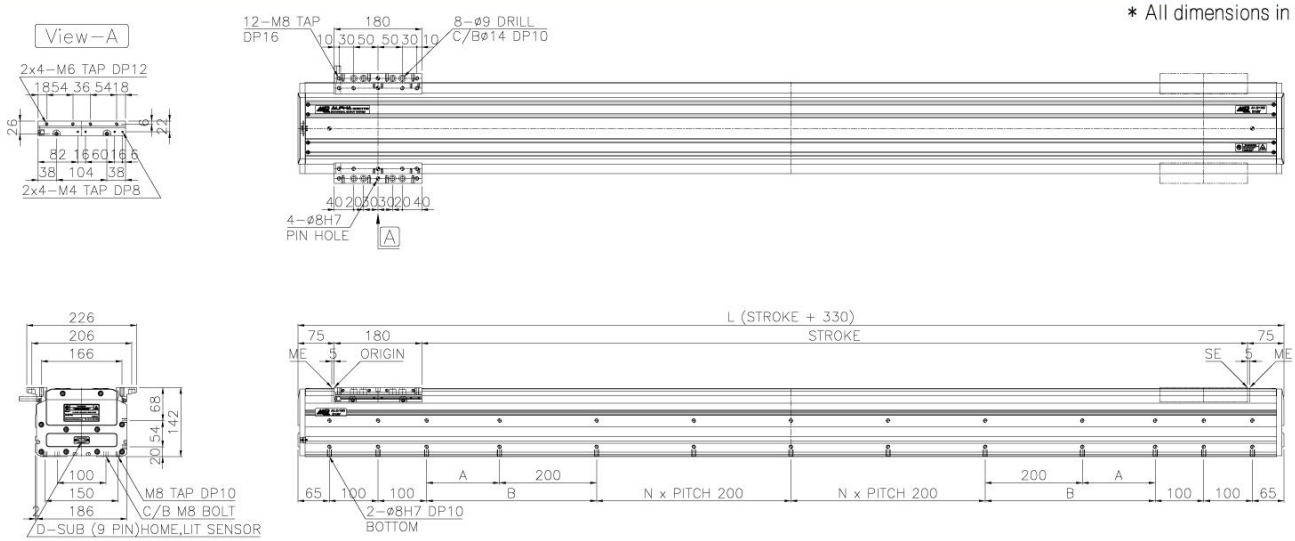
Model / Peak Force	ALG180-1S1 A008 86N	ALG180-1S2 A008 86N	ALG180-1S1 A012 125N	ALG180-1S2 A012 125N	ALG180-1S1 A022 220N	ALG180-1S2 A022 220N	ALG180-1S1 A044 440N	ALG180-1S2 A044 440N

Specification	Unit	Data
ALG180-1S2-A012		ALG180-2S2-A012
		
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
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		

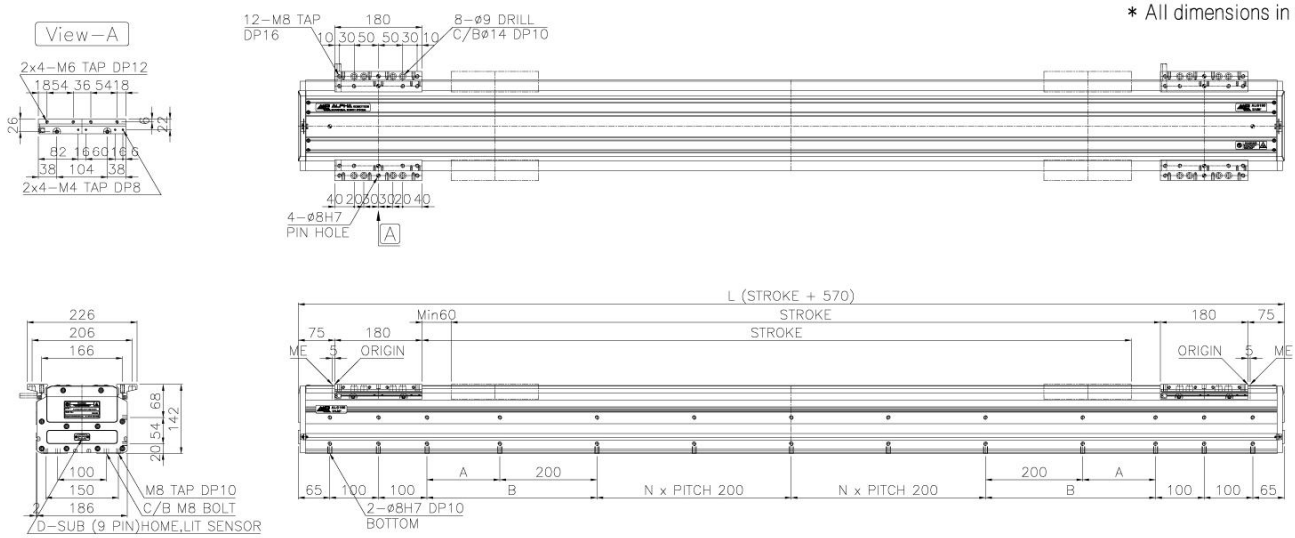
ALG180-1S2

* All dimensions in mm



ALG180-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1S2-A012	kgf	31.13	46.61	62.08	77.56	108.52	(3.10)
ALG180-2S2-A012	kgf	42.23	57.71	73.18	88.66	119.92	(3.10)

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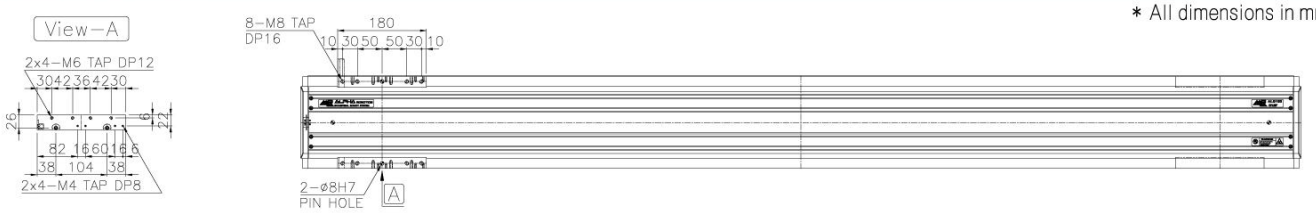
Model / Peak Force	ALG180-1S1 A008 86N	ALG180-1S2 A008 86N	ALG180-1S1 A012 125N	ALG180-1S2 A012 125N	ALG180-1S1 A022 220N	ALG180-1S2 A022 220N	ALG180-1S1 A044 440N	ALG180-1S2 A044 440N

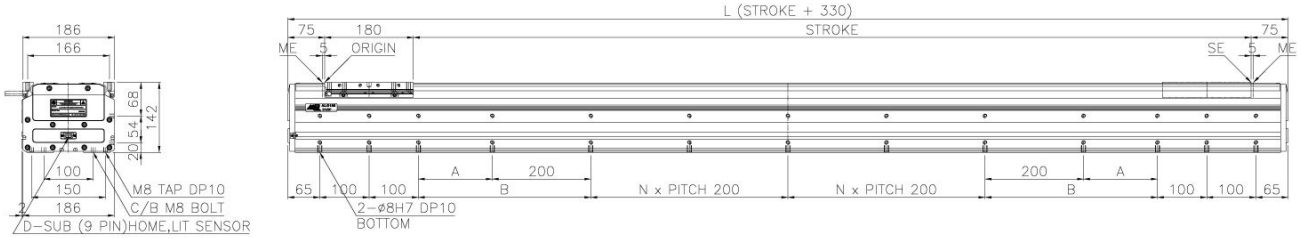
Specification	Unit	Data
ALG180-1S1-A022		ALG180-2S1-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 100
LM Guide	-	NO 20, 2Rail 4Block

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		

ALG180-1S1

* All dimensions in mm

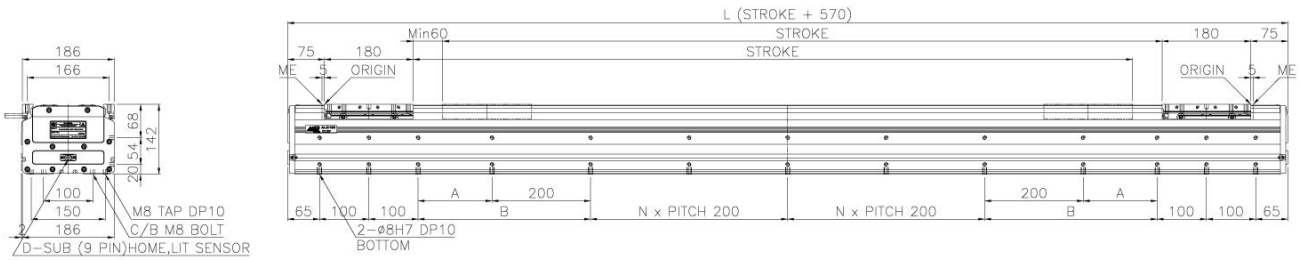




ALG180-2S1

* All dimensions in mm





Model / Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1S1-A022	kgf	32.22	48.15	64.08	80.01	111.86	(3.19)
ALG180-2S1-A022	kgf	43.92	59.85	75.78	91.70	123.56	(3.19)

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Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
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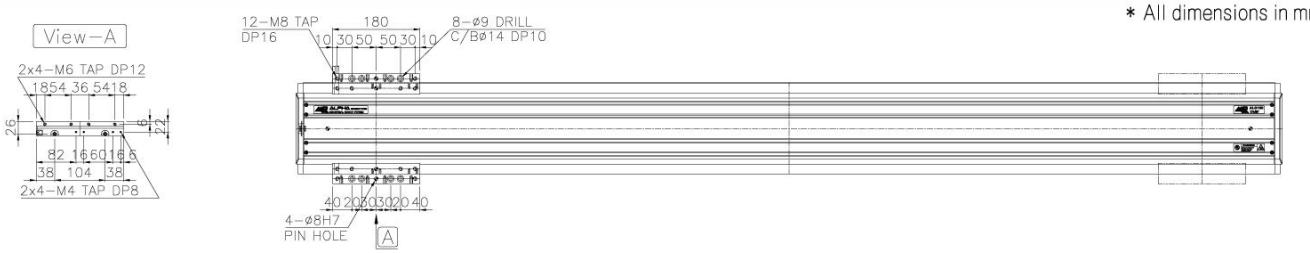
Model / Peak Force	ALG180-1S1 A008 86N	ALG180-1S2 A008 86N	ALG180-1S1 A012 125N	ALG180-1S2 A012 125N	ALG180-1S1 A022 220N	ALG180-1S2 A022 220N	ALG180-1S1 A044 440N	ALG180-1S2 A044 440N

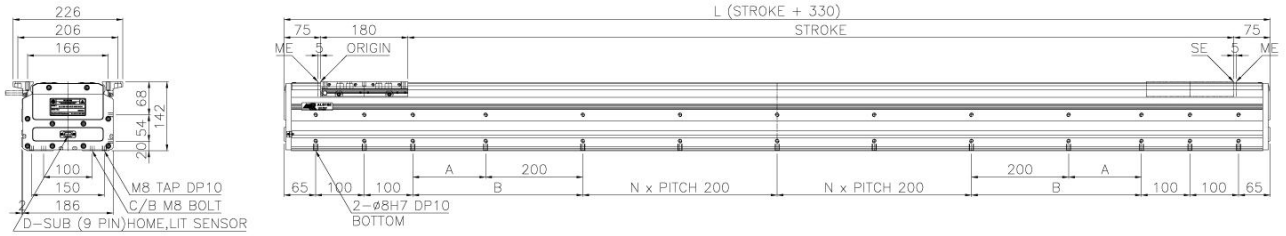
Specification	Unit	Data
ALG180-1S2-A022		ALG180-2S2-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 100
LM Guide	-	NO 20, 2Rail 4Block

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		

ALG180-1S2

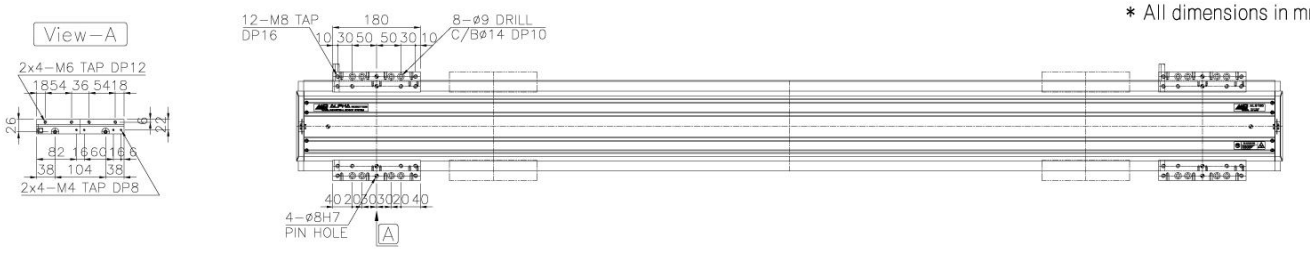
* All dimensions in mm

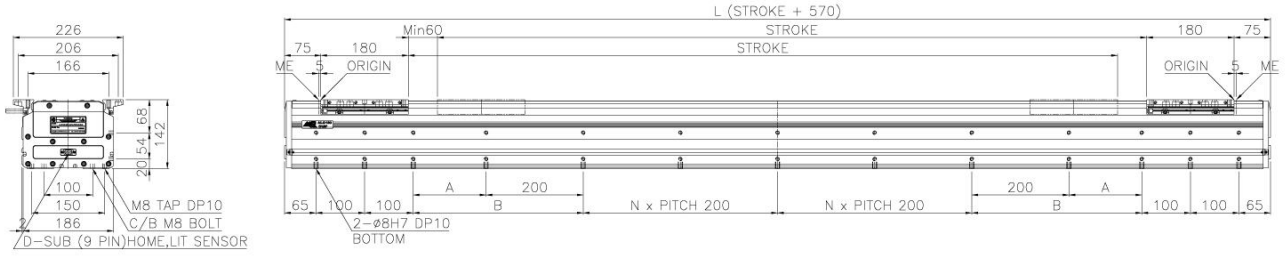




ALG180-2S2

* All dimensions in mm





Model / Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1S2-A022	kgf	32.22	48.15	64.08	80.01	111.86	(3.19)
ALG180-2S2-A022	kgf	43.92	59.85	75.78	91.70	123.56	(3.19)

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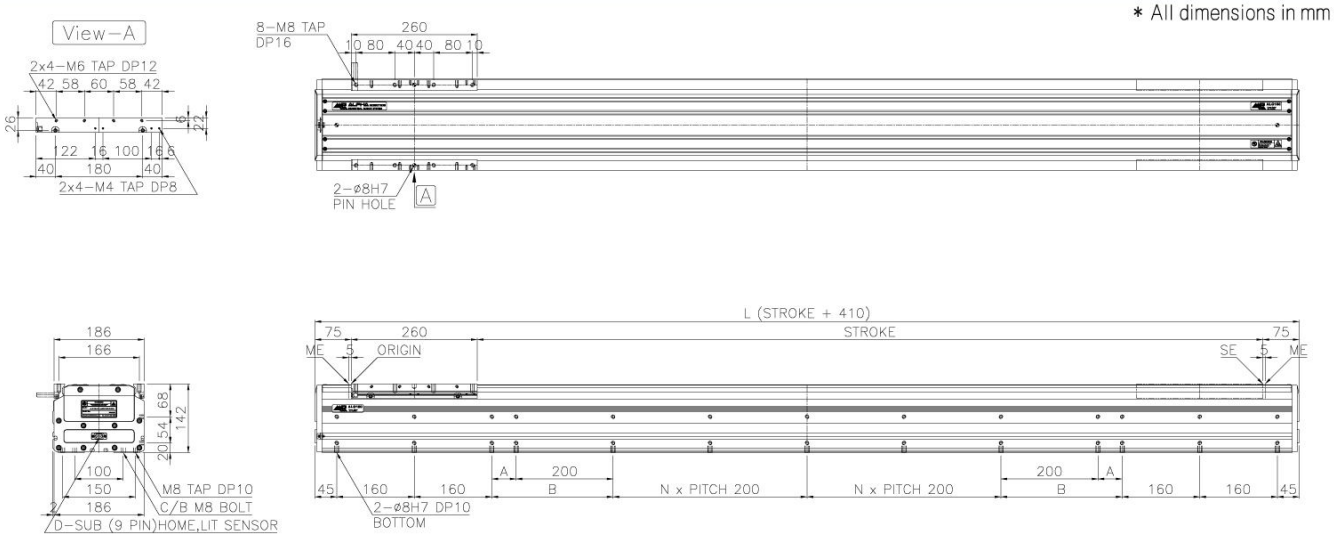
Model / Peak Force	ALG180-1S1 A008 86N	ALG180-1S2 A008 86N	ALG180-1S1 A012 125N	ALG180-1S2 A012 125N	ALG180-1S1 A022 220N	ALG180-1S2 A022 220N	ALG180-1S1 A044 440N	ALG180-1S2 A044 440N

Specification	Unit	Data
ALG180-1S1-A044		ALG180-2S1-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 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		

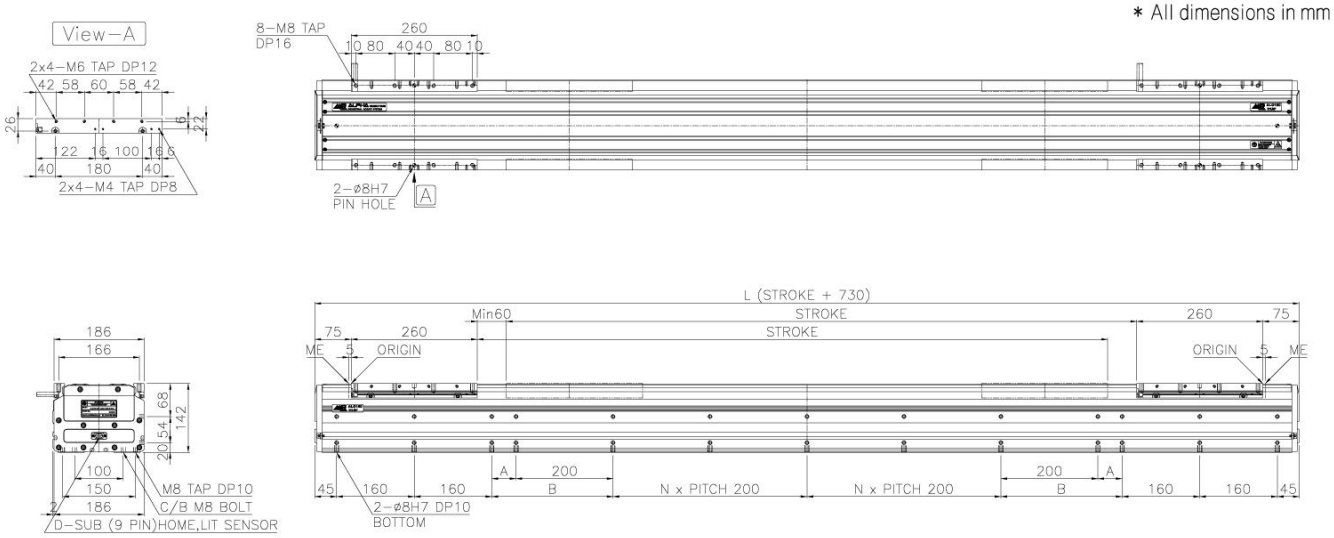
ALG180-1S1

* All dimensions in mm



ALG180-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1S1-A044	kgf	37.51	53.43	69.36	85.29	117.15	(3.19)
ALG180-2S1-A044	kgf	54.49	70.42	86.35	102.28	134.13	(3.19)

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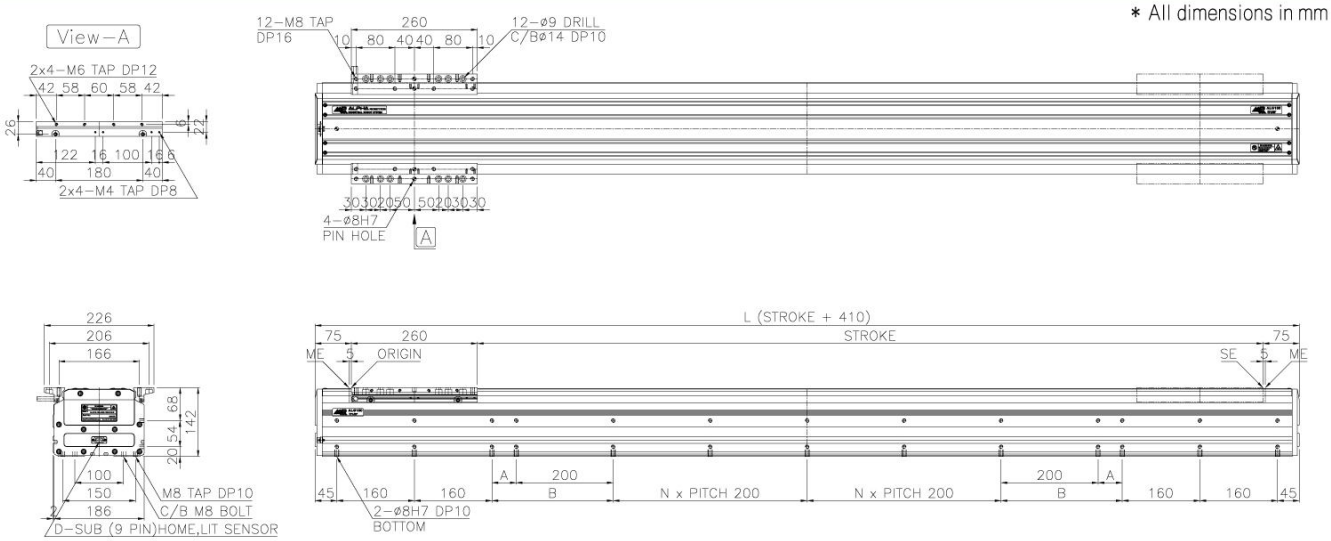
Model / Peak Force	ALG180-1S1 A008 86N	ALG180-1S2 A008 86N	ALG180-1S1 A012 125N	ALG180-1S2 A012 125N	ALG180-1S1 A022 220N	ALG180-1S2 A022 220N	ALG180-1S1 A044 440N	ALG180-1S2 A044 440N

Specification	Unit	Data
ALG180-1S2-A044		ALG180-2S2-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 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		

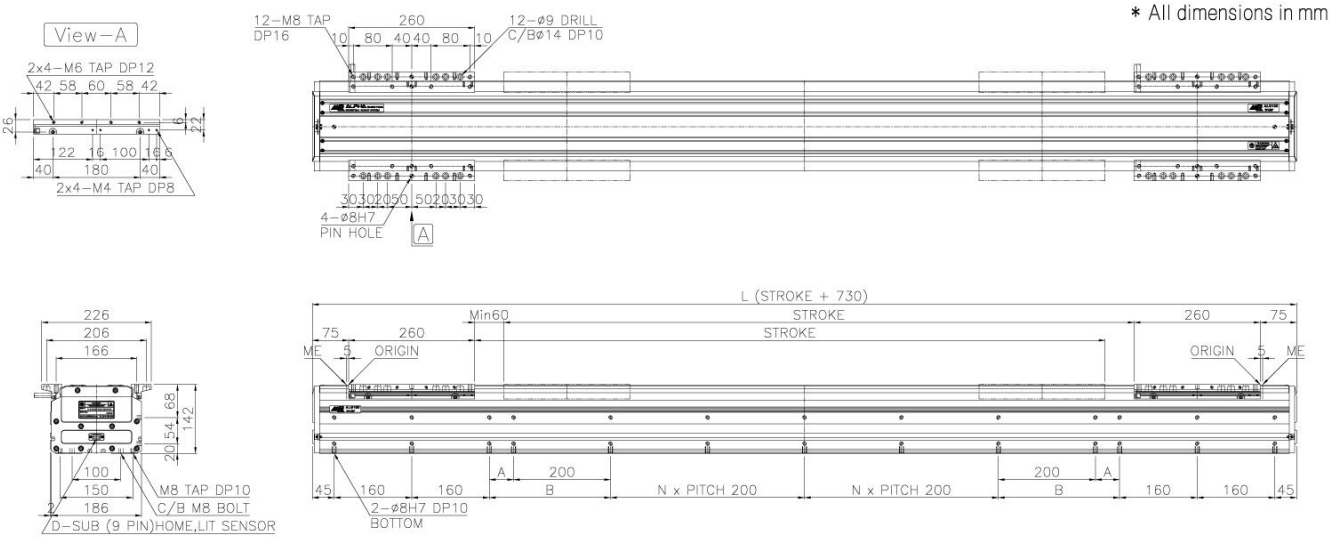
ALG180-1S2

* All dimensions in mm



ALG180-2S2

* All dimensions in mm



Model / Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1S2-A044	kgf	37.51	53.43	69.36	85.29	117.15	(3.19)
ALG180-2S2-A044	kgf	54.49	70.42	86.35	102.28	134.13	(3.19)

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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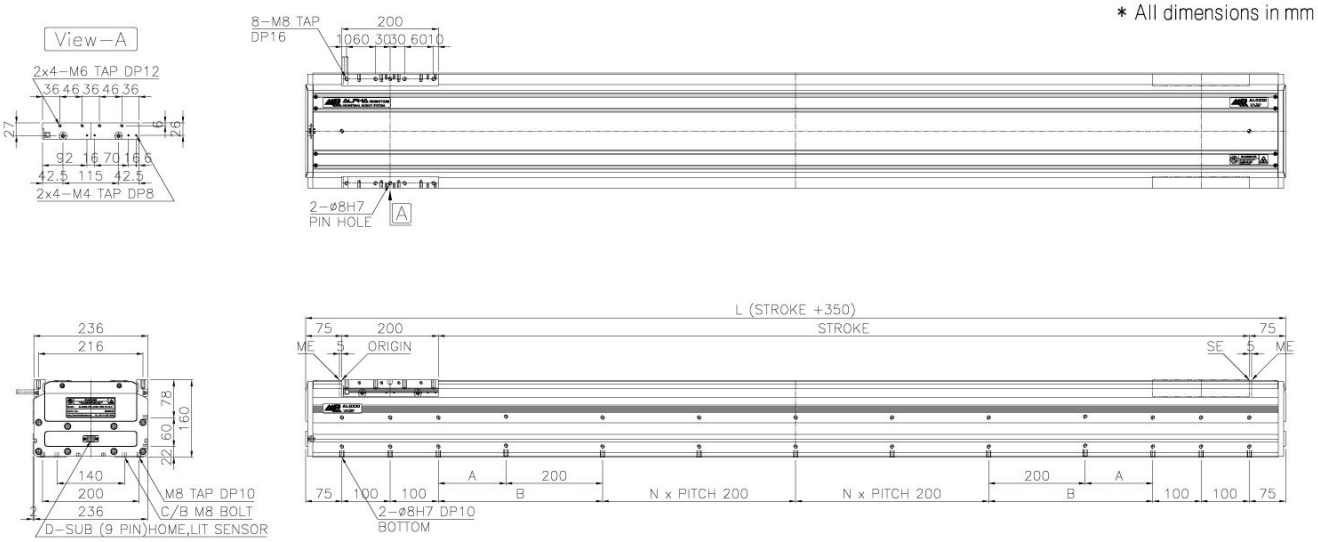
Model / Peak Force	ALG230-1S1 A022 220N	ALG230-1S2 A022 220N	ALG230-1S1 A044 440N	ALG230-1S2 A044 440N	ALG230-1S1 A060 600N	ALG230-1S2 A060 600N	ALG230-1S1 A120 1200N	ALG230-1S2 A120 1200N

Specification	Unit	Data
ALG230-1S1-A022		ALG230-2S1-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
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°	840	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		

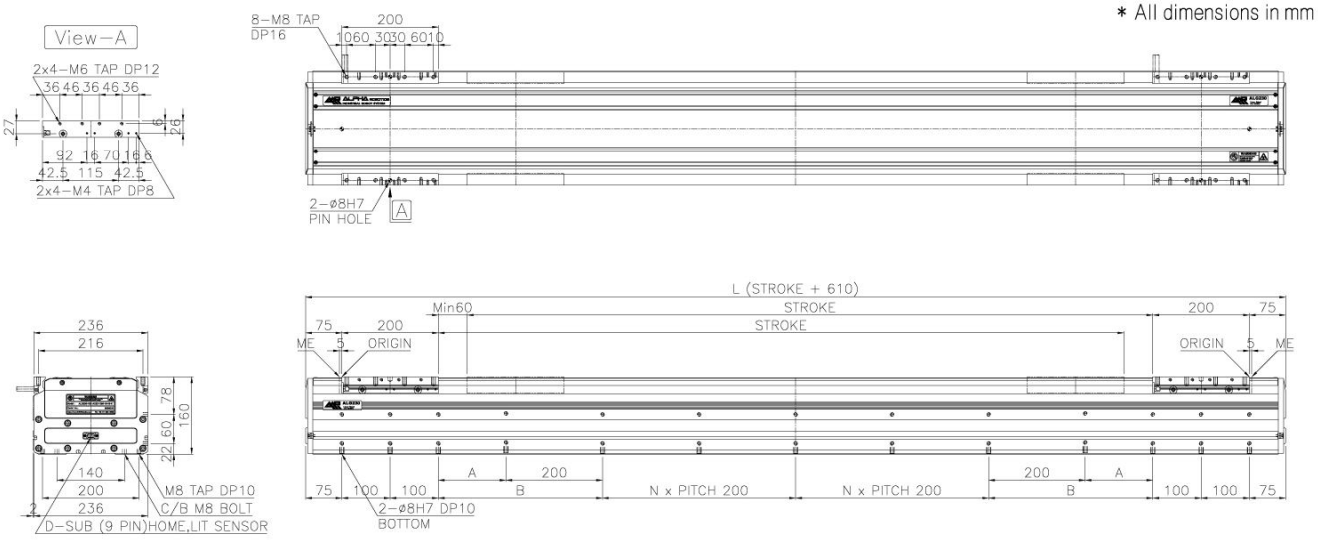
ALG230-1S1

* All dimensions in mm



ALG230-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1S1-A022	kgf	43.71	63.83	83.94	104.06	144.29	(4.02)
ALG230-2S1-A022	kgf	61.09	81.21	101.32	121.44	161.68	(4.02)

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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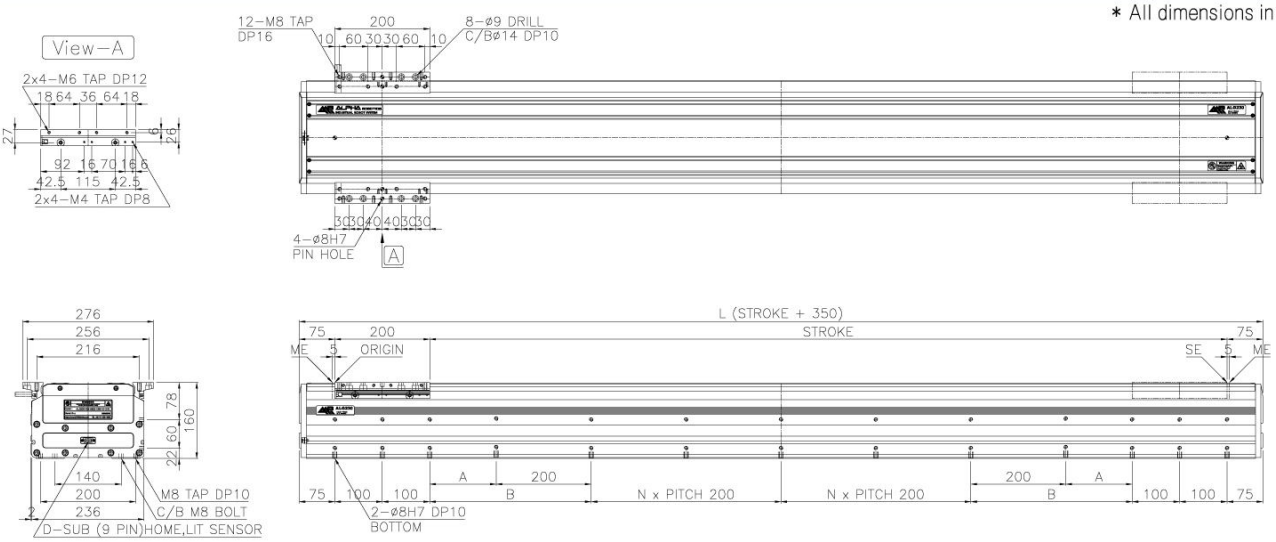
Model / Peak Force	ALG230-1S1 A022 220N	ALG230-1S2 A022 220N	ALG230-1S1 A044 440N	ALG230-1S2 A044 440N	ALG230-1S1 A060 600N	ALG230-1S2 A060 600N	ALG230-1S1 A120 1200N	ALG230-1S2 A120 1200N

Specification	Unit	Data
ALG230-1S2-A022		ALG230-2S2-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
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°	840	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		

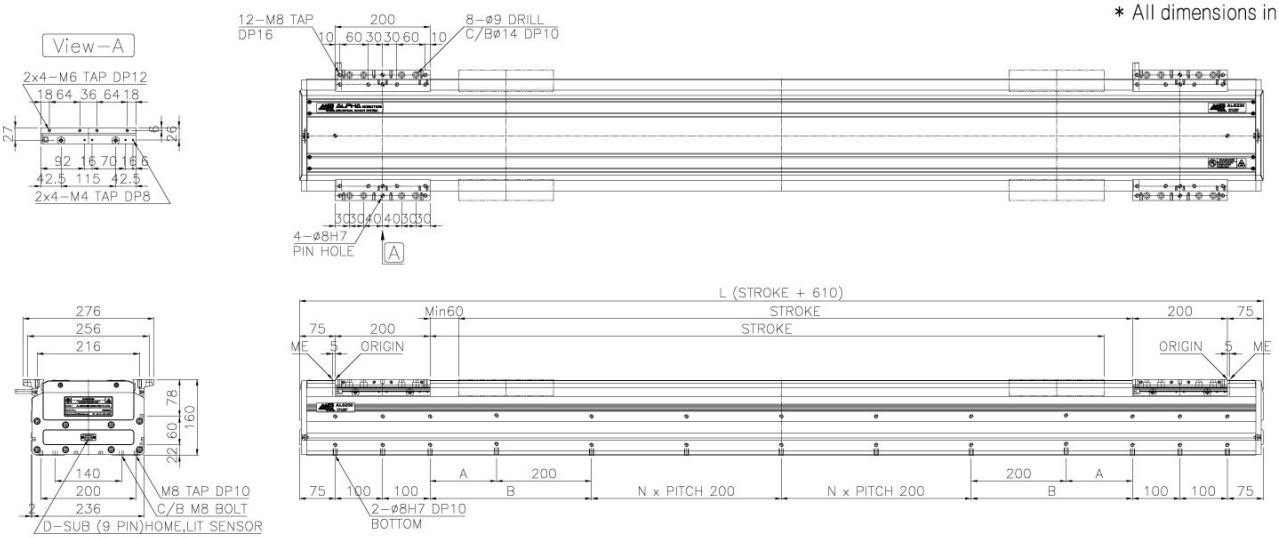
ALG230-1S2

* All dimensions in mm



ALG230-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1S2-A022	kgf	43.71	63.83	83.94	104.06	144.29	(4.02)
ALG230-2S2-A022	kgf	61.09	81.21	101.32	121.44	161.68	(4.02)

CAUTION

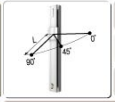
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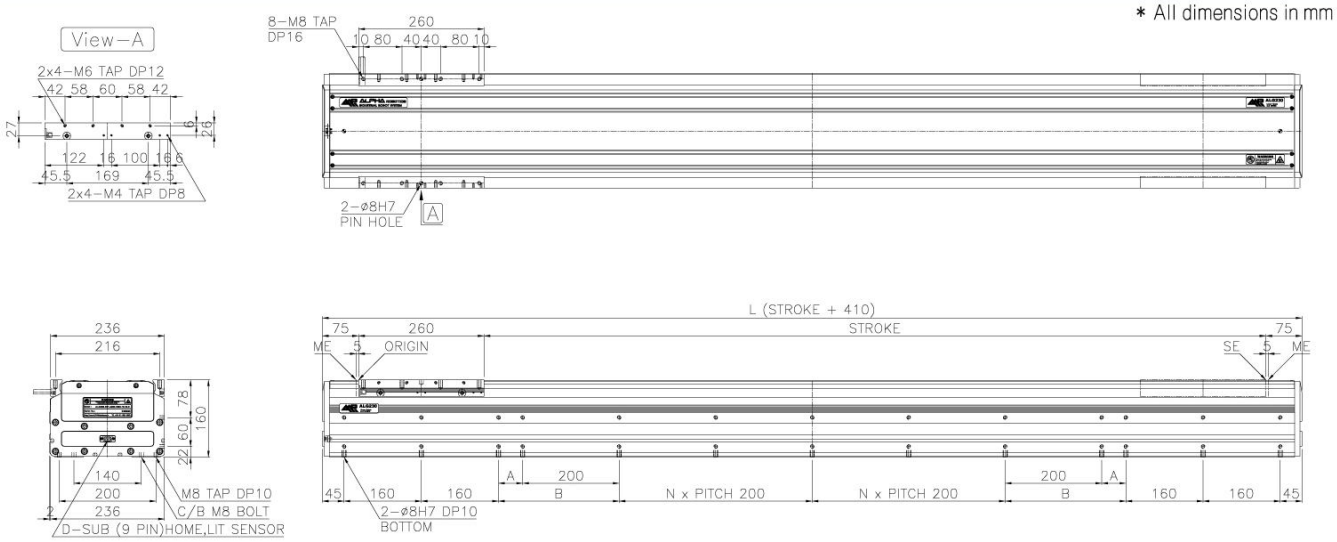
Model / Peak Force	ALG230-1S1 A022 220N	ALG230-1S2 A022 220N	ALG230-1S1 A044 440N	ALG230-1S2 A044 440N	ALG230-1S1 A060 600N	ALG230-1S2 A060 600N	ALG230-1S1 A120 1200N	ALG230-1S2 A120 1200N

Specification	Unit	Data
ALG230-1S1-A044 		ALG230-2S1-A044 
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
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 Life Time : 15000 hr Waiting Time : 0 sec Stroke : 2000 mm			

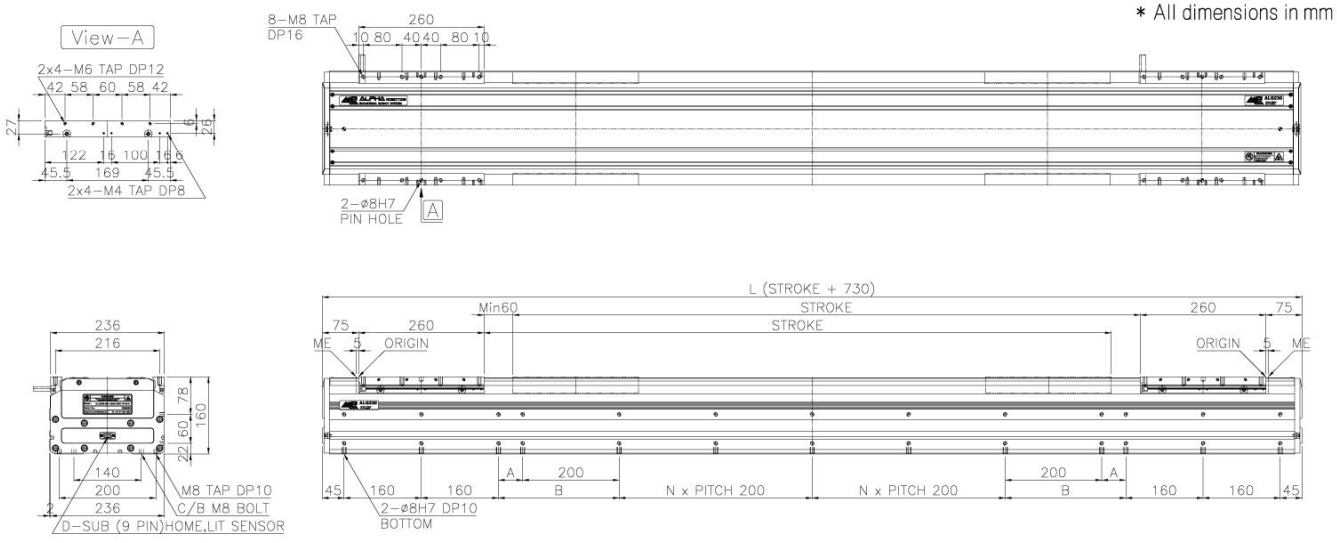
ALG230-1S1

* All dimensions in mm



ALG230-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1S1-A044	kgf	48.09	68.21	88.33	108.44	148.68	(4.02)
ALG230-2S1-A044	kgf	69.86	89.98	110.09	130.21	170.44	(4.02)

CAUTION

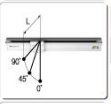
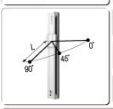
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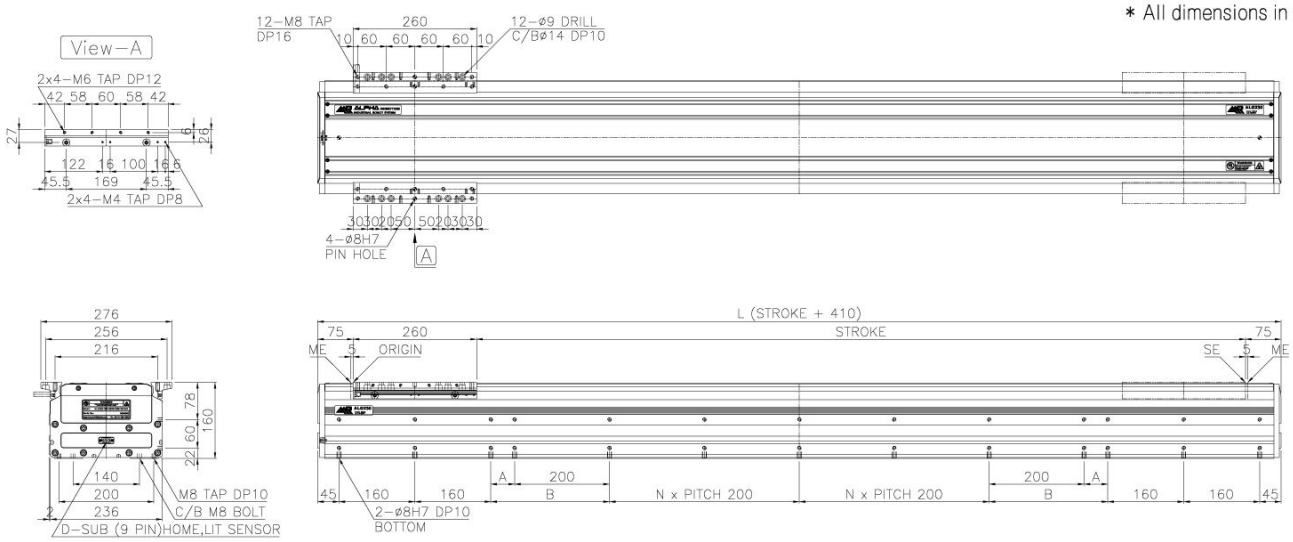
Model / Peak Force	ALG230-1S1 A022 220N	ALG230-1S2 A022 220N	ALG230-1S1 A044 440N	ALG230-1S2 A044 440N	ALG230-1S1 A060 600N	ALG230-1S2 A060 600N	ALG230-1S1 A120 1200N	ALG230-1S2 A120 1200N

Specification	Unit	Data
ALG230-1S2-A044		ALG230-2S2-A044
		
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
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	

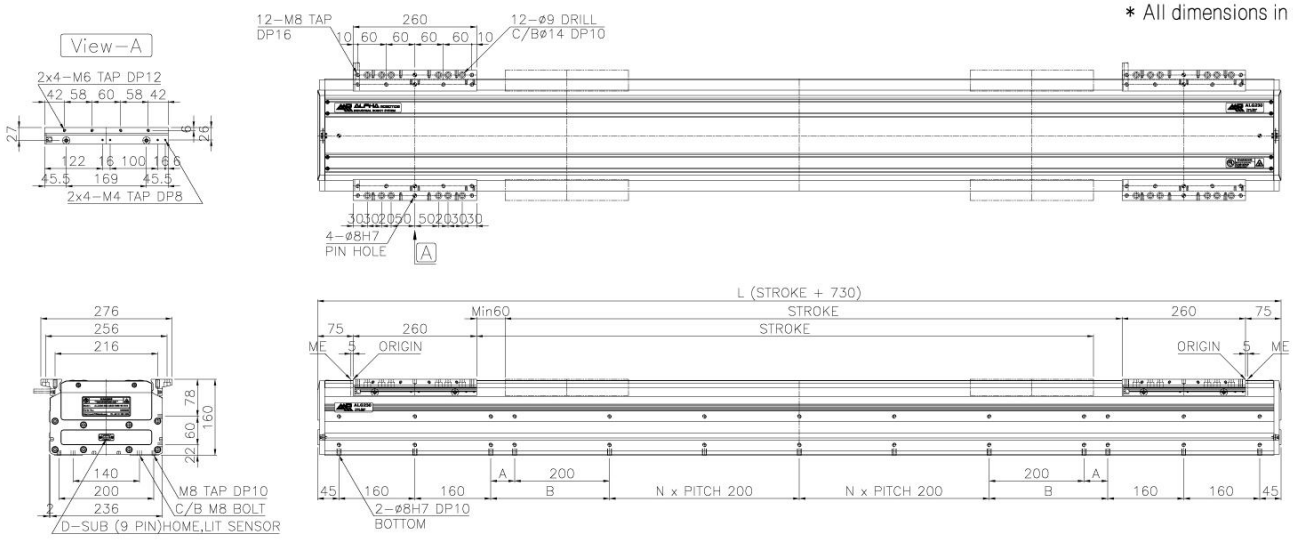
ALG230-1S2

* All dimensions in mm



ALG230-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1S2-A044	kgf	48.09	68.21	88.33	108.44	148.68	(4.02)
ALG230-2S2-A044	kgf	69.86	89.98	110.09	130.21	170.44	(4.02)

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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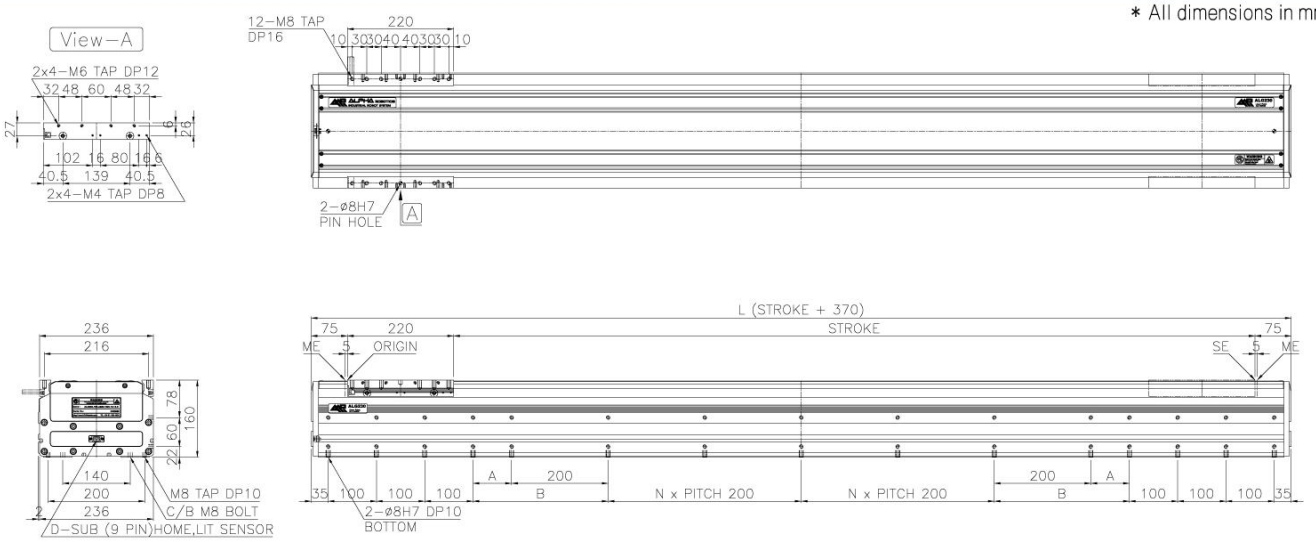
Model / Peak Force	ALG230-1S1 A022 220N	ALG230-1S2 A022 220N	ALG230-1S1 A044 440N	ALG230-1S2 A044 440N	ALG230-1S1 A060 600N	ALG230-1S2 A060 600N	ALG230-1S1 A120 1200N	ALG230-1S2 A120 1200N

Specification	Unit	Data
ALG230-1S1-A060		ALG230-2S1-A060
		
Rated Force	N	280
Peak Force	N	600
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
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		

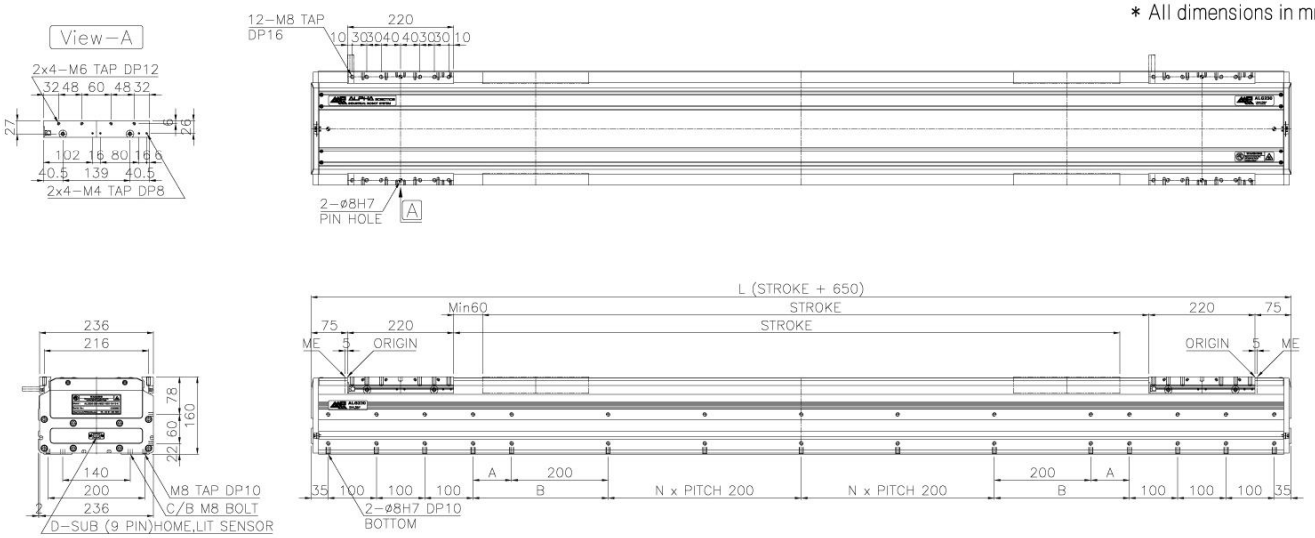
ALG230-1S1

* All dimensions in mm



ALG230-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1S1-A060	kgf	49.71	71.43	93.16	114.89	158.35	(4.35)
ALG230-2S1-A060	kgf	71.31	93.04	114.77	136.49	179.95	(4.35)

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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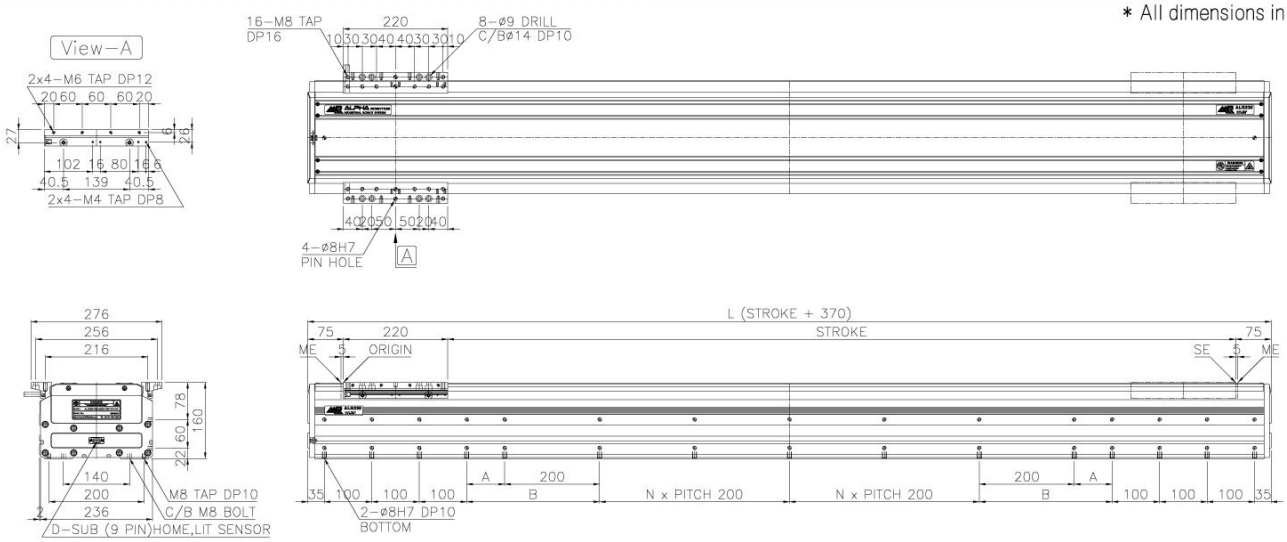
Model / Peak Force	ALG230-1S1 A022 220N	ALG230-1S2 A022 220N	ALG230-1S1 A044 440N	ALG230-1S2 A044 440N	ALG230-1S1 A060 600N	ALG230-1S2 A060 600N	ALG230-1S1 A120 1200N	ALG230-1S2 A120 1200N

Specification	Unit	Data
ALG230-1S2-A060		ALG230-2S2-A060
		
Rated Force	N	280
Peak Force	N	600
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
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		

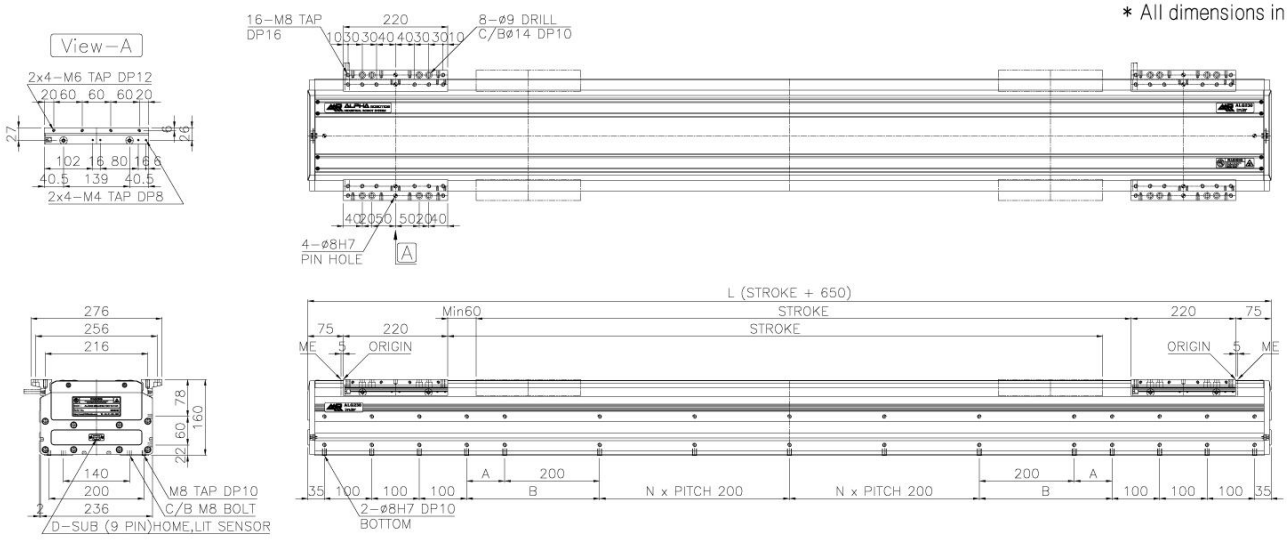
ALG230-1S2

* All dimensions in mm



ALG230-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1S2-A060	kgf	49.71	71.43	93.16	114.89	158.35	(4.35)
ALG230-2S2-A060	kgf	71.31	93.04	114.77	136.49	179.95	(4.35)

CAUTION

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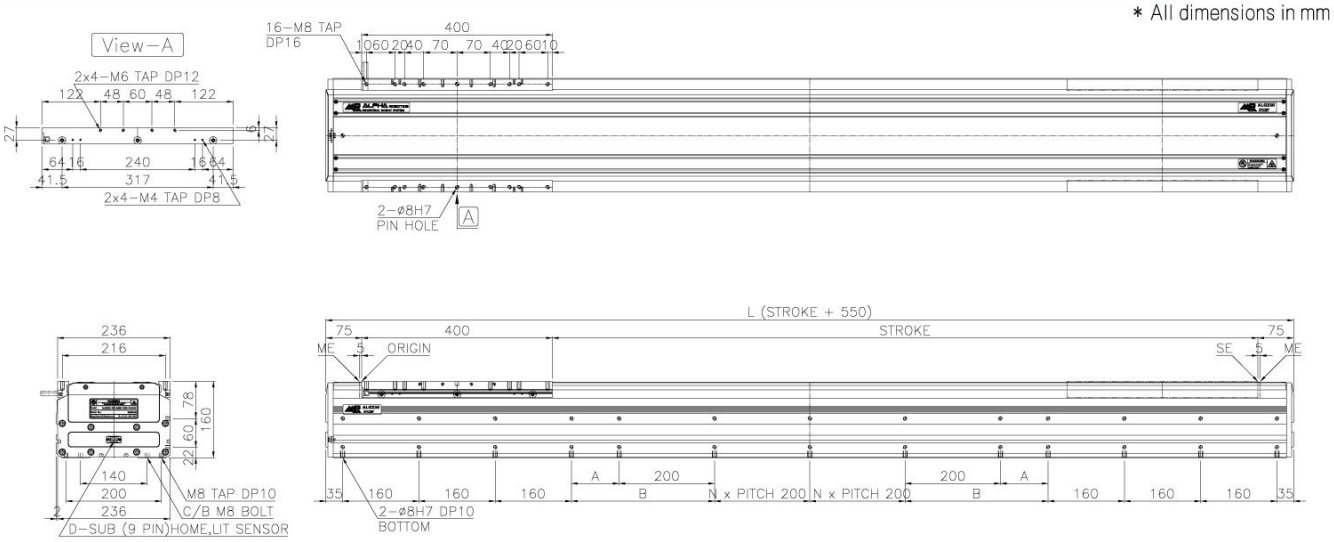
Model / Peak Force	ALG230-1S1 A022 220N	ALG230-1S2 A022 220N	ALG230-1S1 A044 440N	ALG230-1S2 A044 440N	ALG230-1S1 A060 600N	ALG230-1S2 A060 600N	ALG230-1S1 A120 1200N	ALG230-1S2 A120 1200N

Specification	Unit	Data
ALG230-1S1-A120		ALG230-2S1-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 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		

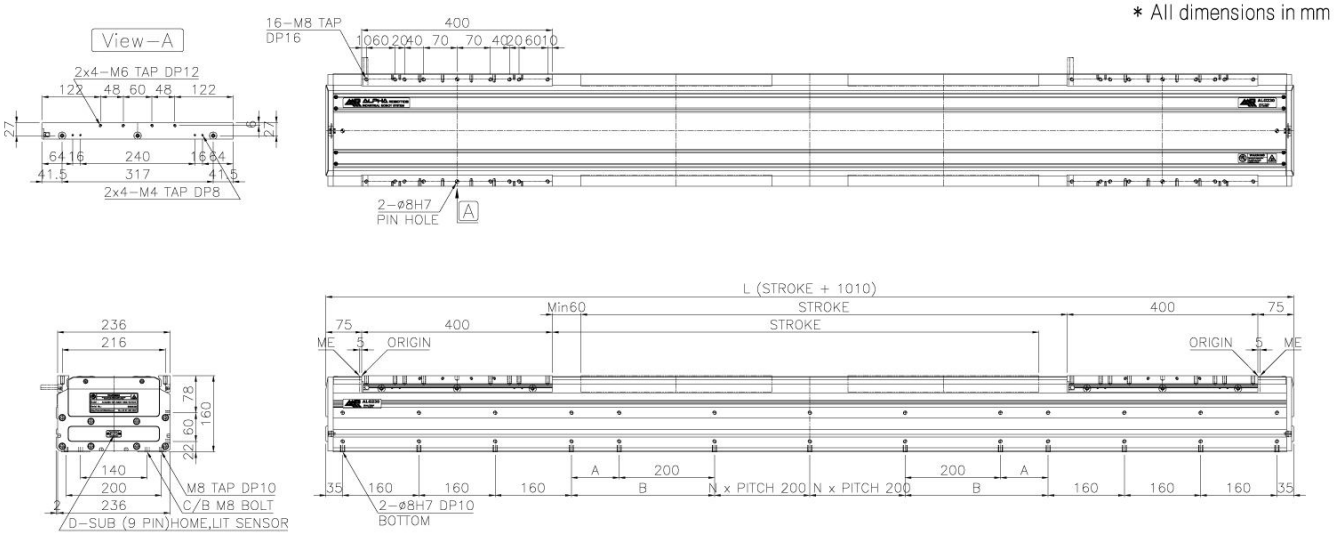
ALG230-1S1

* All dimensions in mm



ALG230-2S1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1S1-A120	kgf	58.84	80.57	102.30	124.03	167.48	(4.35)
ALG230-2S1-A120	kgf	89.59	111.32	133.04	154.77	198.23	(4.35)

CAUTION

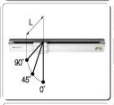
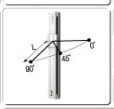
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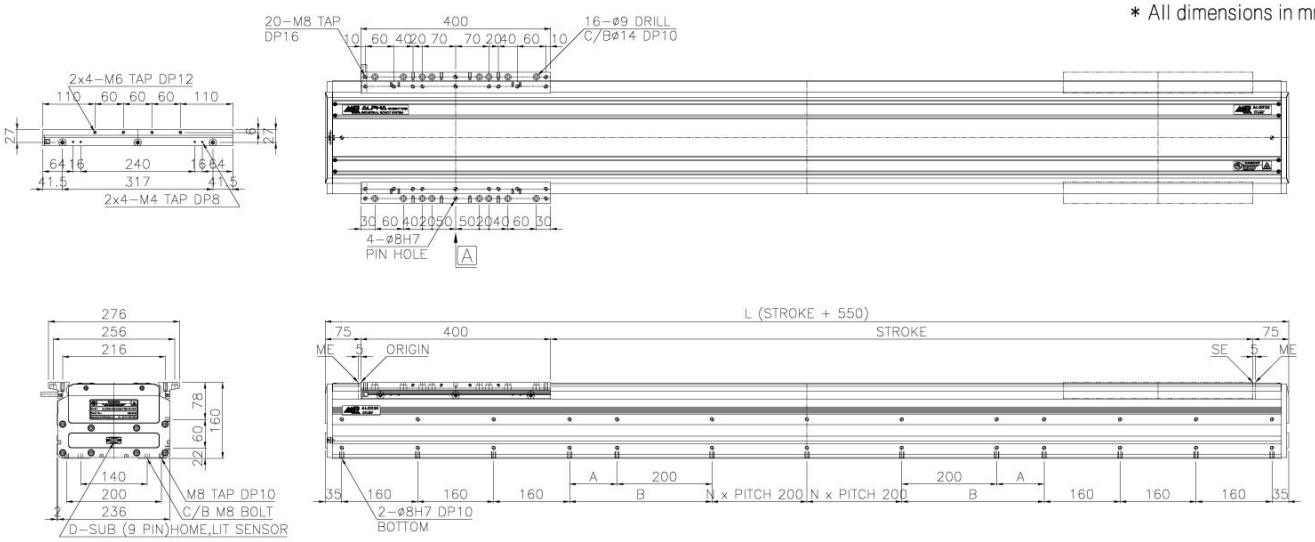
Model / Peak Force	ALG230-1S1 A022 220N	ALG230-1S2 A022 220N	ALG230-1S1 A044 440N	ALG230-1S2 A044 440N	ALG230-1S1 A060 600N	ALG230-1S2 A060 600N	ALG230-1S1 A120 1200N	ALG230-1S2 A120 1200N

Specification	Unit	Data
ALG230-1S2-A120		ALG230-2S2-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 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	

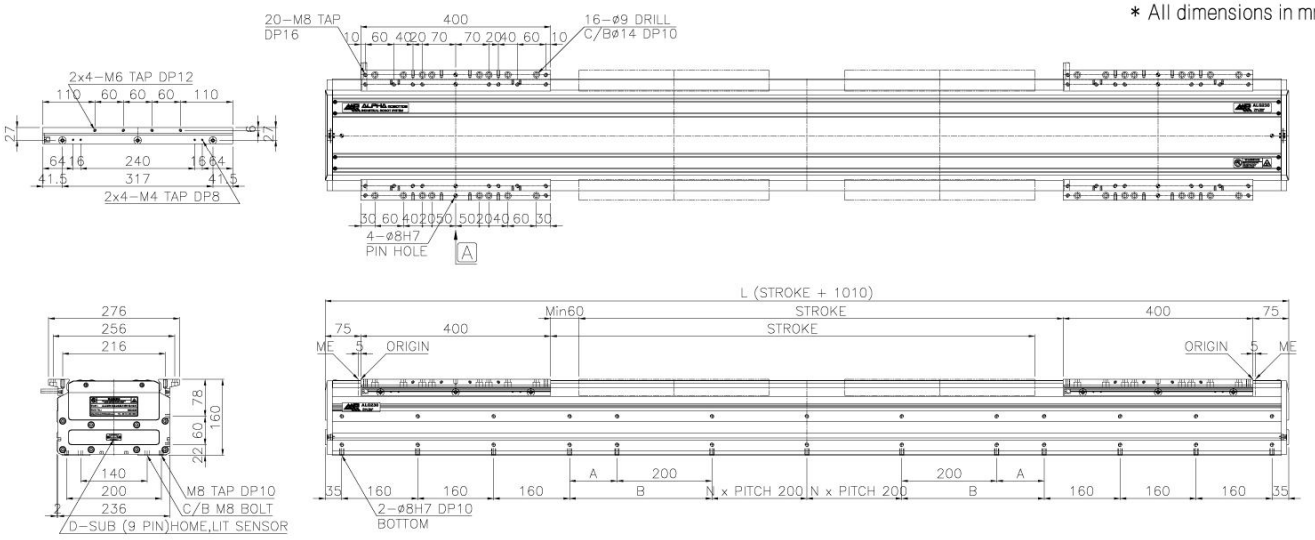
ALG230-1S2

* All dimensions in mm



ALG230-2S2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1S2-A120	kgf	58.84	80.57	102.30	124.03	167.48	(4.35)
ALG230-2S2-A120	kgf	89.59	111.32	133.04	154.77	198.23	(4.35)

CAUTION

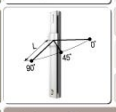
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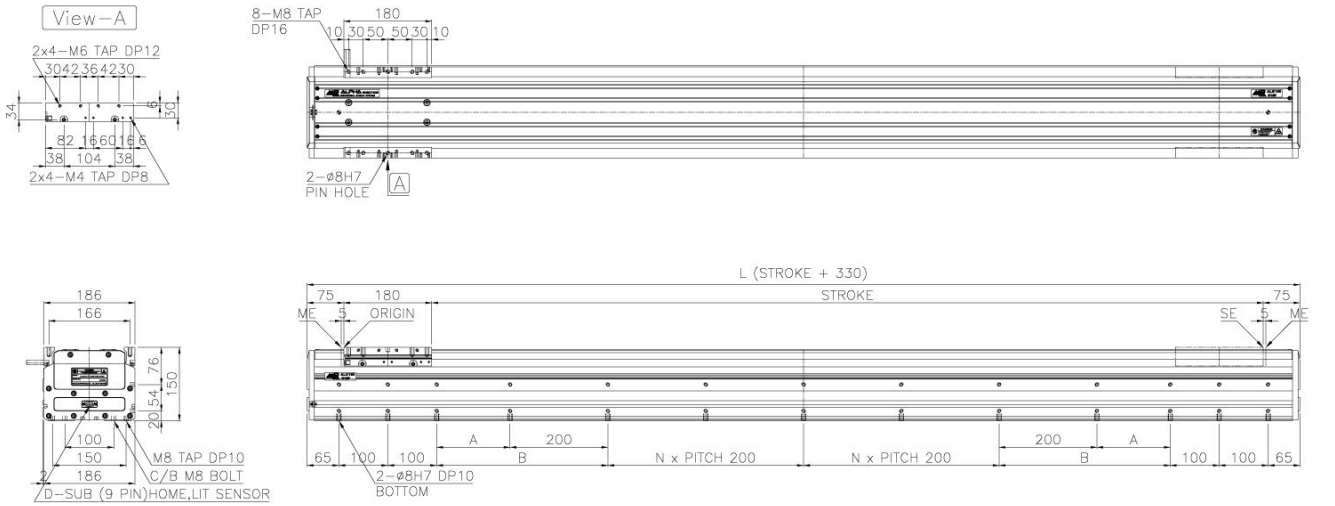
Model / Peak Force	ALG180-1H1 A008 86N	ALG180-1H2 A008 86N	ALG180-1H1 A012 125N	ALG180-1H2 A012 125N	ALG180-1H1 A022 220N	ALG180-1H2 A022 220N	ALG180-1H1 A044 440N	ALG180-1H2 A044 440N

Specification	Unit	Data
ALG180-1H1-A008 		ALG180-2H1-A008 
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
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	

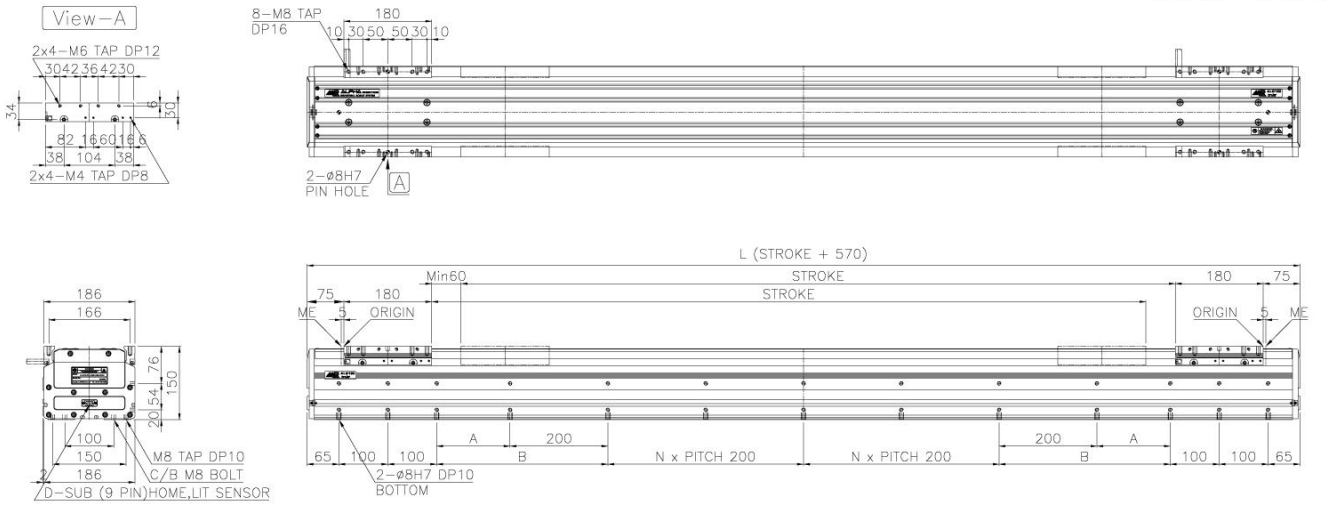
ALG180-1H1

* All dimensions in mm



ALG180-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1H1-A008	kgf	31.35	46.85	62.36	77.86	108.86	(3.10)
ALG180-2H1-A008	kgf	42.65	58.15	73.66	89.16	120.16	(3.10)

CAUTION

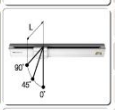
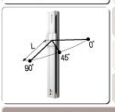
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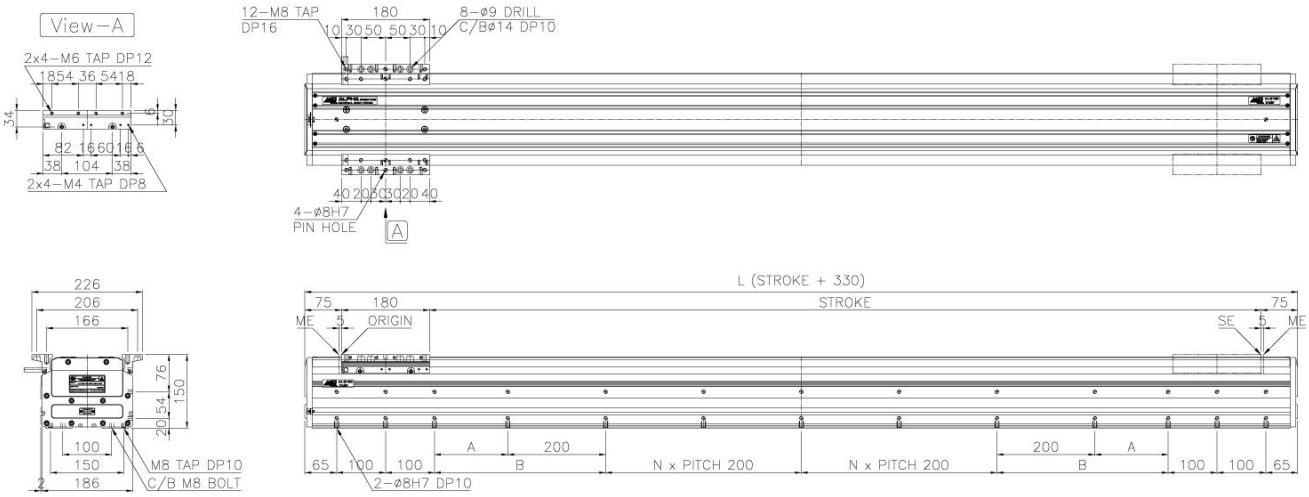
Model / Peak Force	ALG180-1H1 A008 86N	ALG180-1H2 A008 86N	ALG180-1H1 A012 125N	ALG180-1H2 A012 125N	ALG180-1H1 A022 220N	ALG180-1H2 A022 220N	ALG180-1H1 A044 440N	ALG180-1H2 A044 440N

Specification	Unit	Data
ALG180-1H2-A008		ALG180-2H2-A008
		
Rated Force	N	25
Peak Force	N	86
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
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	

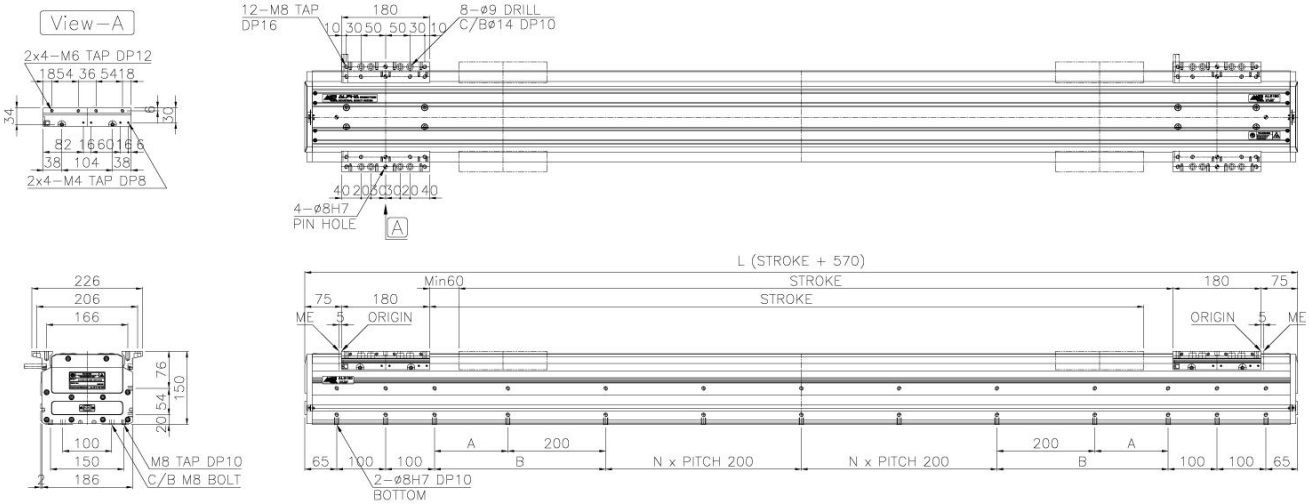
ALG180-1H2

* All dimensions in mm



ALG180-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1H2-A008	kgf	31.35	46.85	62.36	77.86	108.86	(3.10)
ALG180-2H2-A008	kgf	42.65	58.15	73.66	89.16	120.16	(3.10)

CAUTION

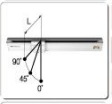
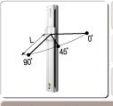
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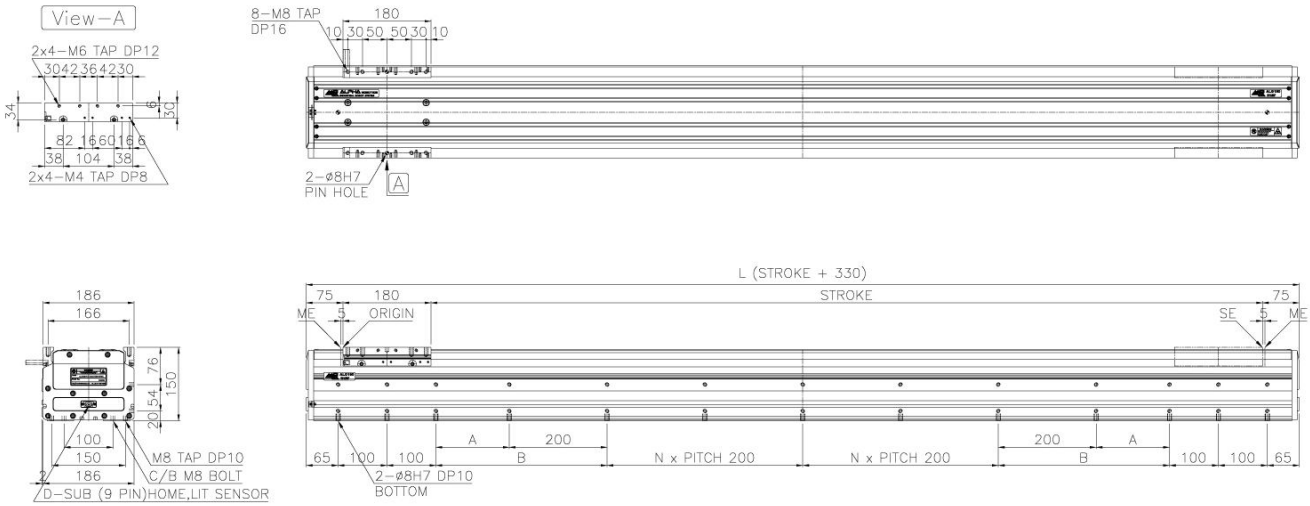
Model / Peak Force	ALG180-1H1 A008 86N	ALG180-1H2 A008 86N	ALG180-1H1 A012 125N	ALG180-1H2 A012 125N	ALG180-1H1 A022 220N	ALG180-1H2 A022 220N	ALG180-1H1 A044 440N	ALG180-1H2 A044 440N

Specification	Unit	Data
ALG180-1H1-A012		ALG180-2H1-A012
		
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
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	

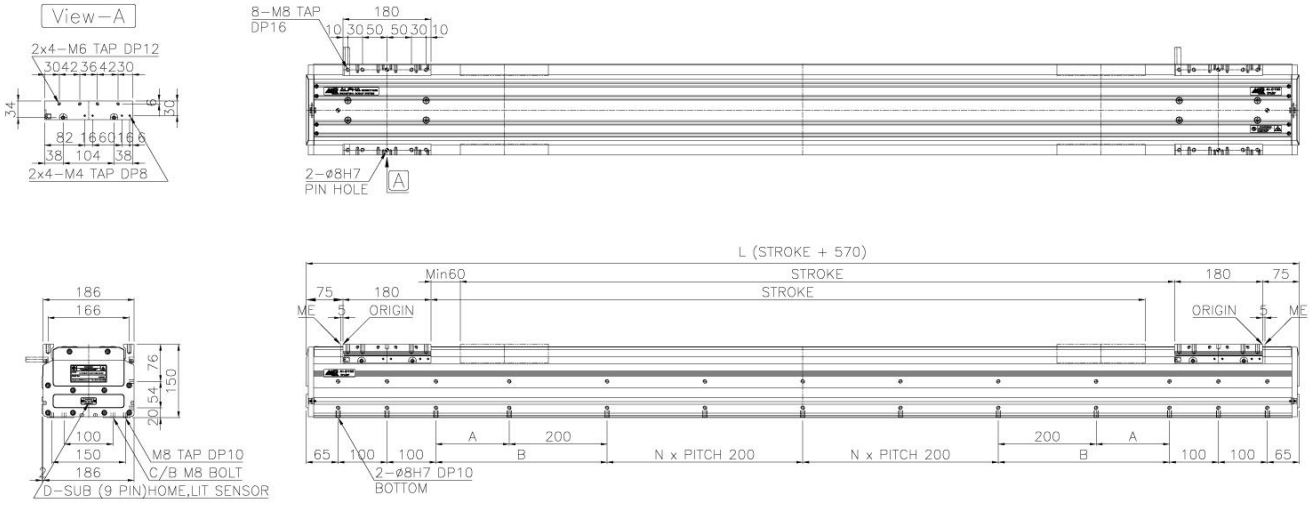
ALG180-1H1

* All dimensions in mm



ALG180-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1H1-A012	kgf	31.58	47.08	62.59	78.09	109.09	(3.10)
ALG180-2H1-A012	kgf	43.05	58.55	74.06	89.56	120.56	(3.10)

CAUTION

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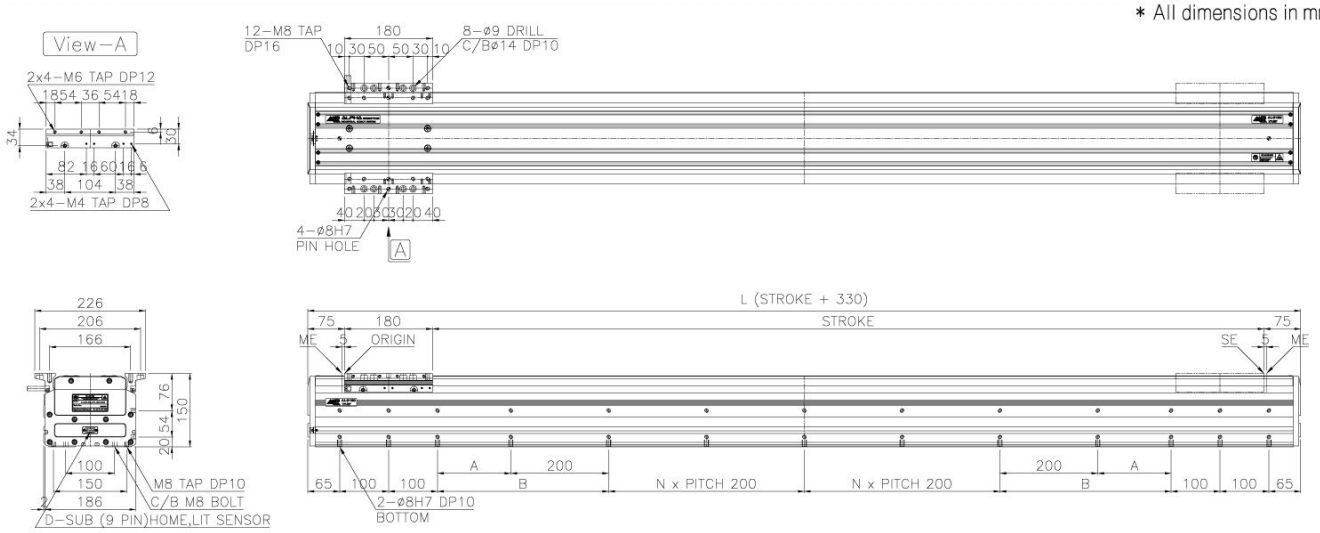
Model / Peak Force	ALG180-1H1 A008 86N	ALG180-1H2 A008 86N	ALG180-1H1 A012 125N	ALG180-1H2 A012 125N	ALG180-1H1 A022 220N	ALG180-1H2 A022 220N	ALG180-1H1 A044 440N	ALG180-1H2 A044 440N

Specification	Unit	Data
ALG180-1H2-A012		ALG180-2H2-A012
		
Rated Force	N	40
Peak Force	N	125
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
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		

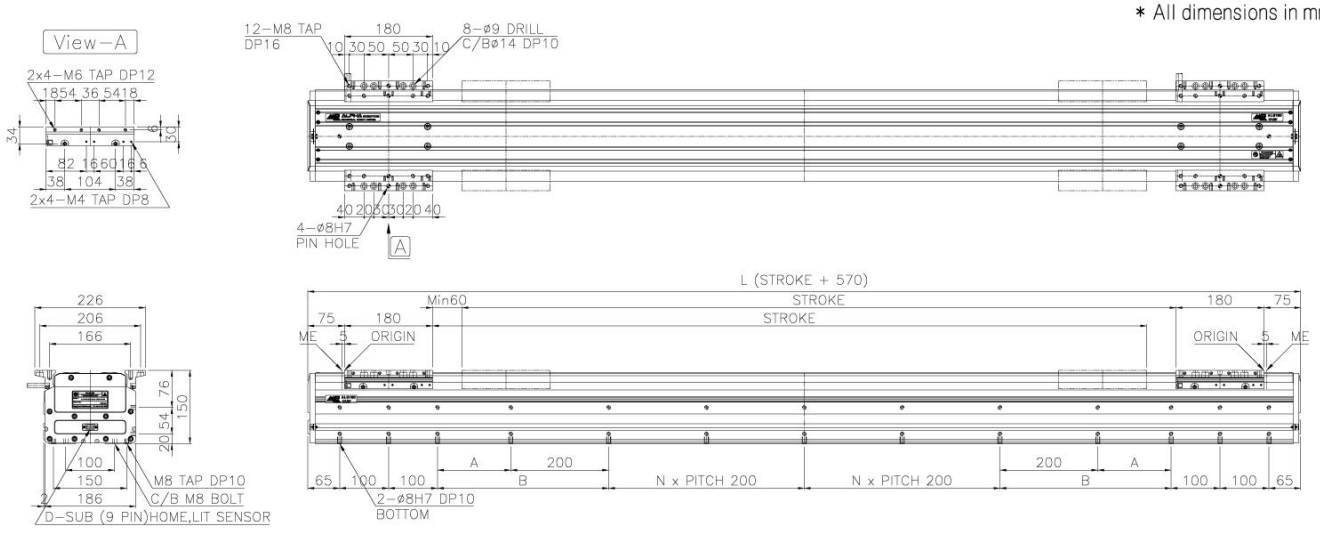
ALG180-1H2

* All dimensions in mm



ALG180-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1H2-A012	kgf	31.58	47.08	62.59	78.09	109.09	(3.10)
ALG180-2H2-A012	kgf	43.05	58.55	74.06	89.56	120.56	(3.10)

CAUTION

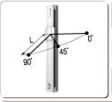
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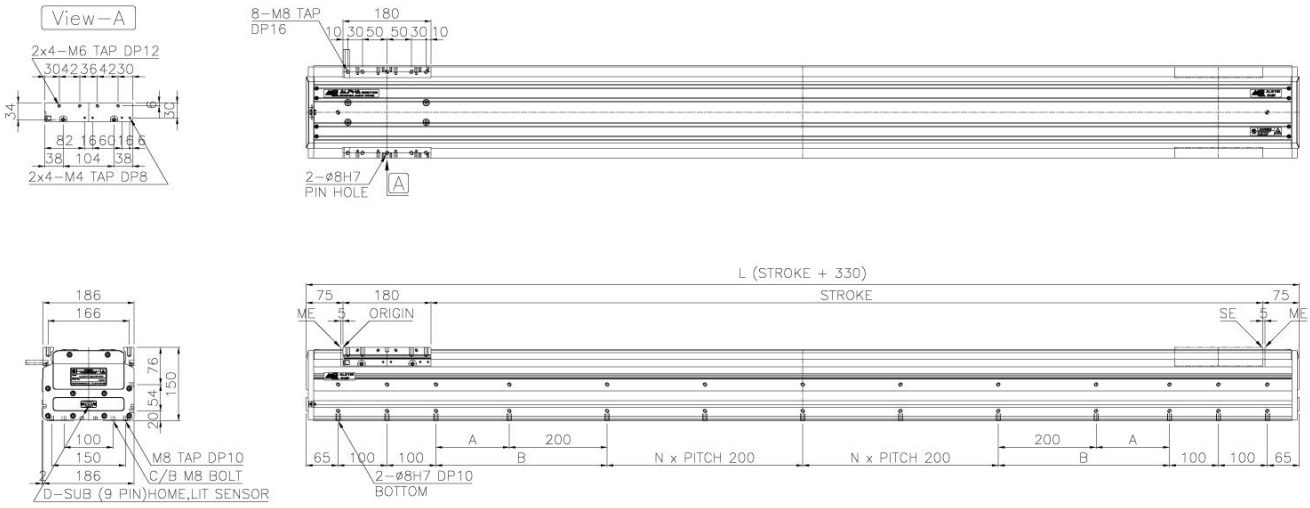
Model / Peak Force	ALG180-1H1 A008 86N	ALG180-1H2 A008 86N	ALG180-1H1 A012 125N	ALG180-1H2 A012 125N	ALG180-1H1 A022 220N	ALG180-1H2 A022 220N	ALG180-1H1 A044 440N	ALG180-1H2 A044 440N

Specification	Unit	Data
ALG180-1H1-A022		ALG180-2H1-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 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 Life Time : 15000 hr Waiting Time : 0 sec Stroke : 2000 mm			

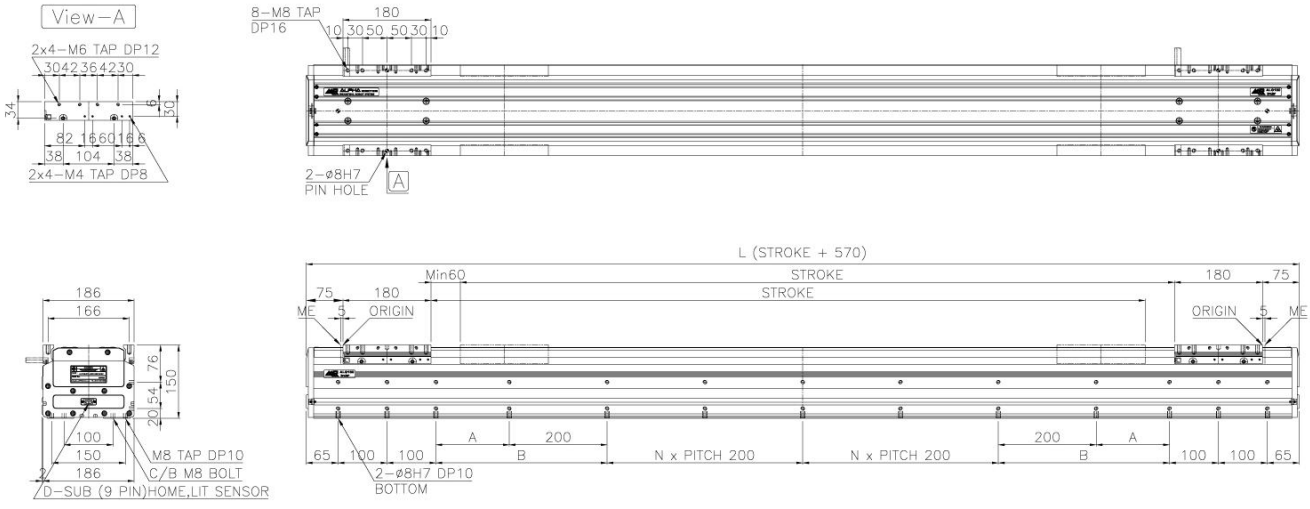
ALG180-1H1

* All dimensions in mm



ALG180-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1H1-A022	kgf	32.68	48.63	64.58	80.53	112.43	(3.19)
ALG180-2H1-A022	kgf	44.74	60.70	76.65	92.60	124.50	(3.19)

CAUTION

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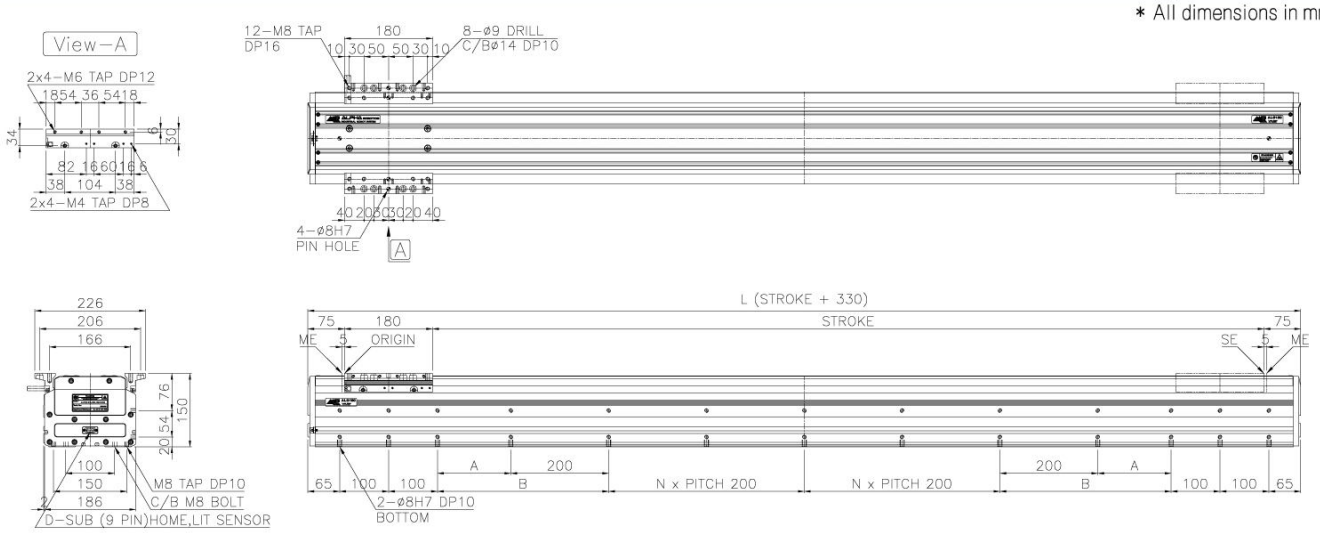
Model / Peak Force	ALG180-1H1 A008 86N	ALG180-1H2 A008 86N	ALG180-1H1 A012 125N	ALG180-1H2 A012 125N	ALG180-1H1 A022 220N	ALG180-1H2 A022 220N	ALG180-1H1 A044 440N	ALG180-1H2 A044 440N

Specification	Unit	Data
ALG180-1H2-A022		ALG180-2H2-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 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		

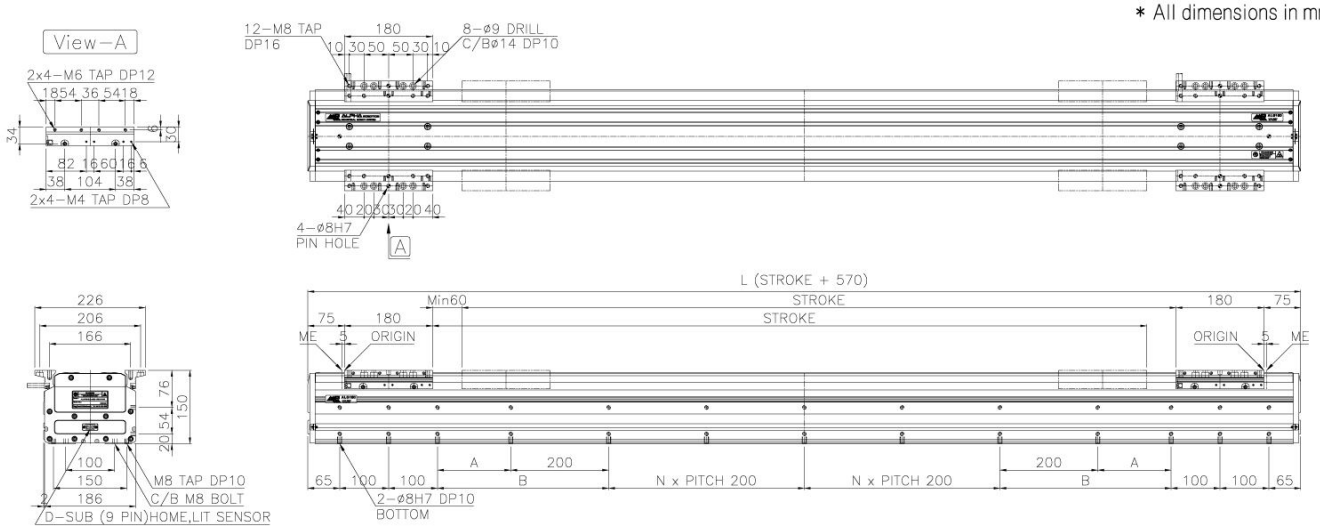
ALG180-1H2

* All dimensions in mm



ALG180-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1H2-A022	kgf	32.68	48.63	64.58	80.53	112.43	(3.19)
ALG180-2H2-A022	kgf	44.74	60.70	76.65	92.60	124.50	(3.19)

CAUTION

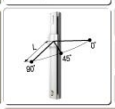
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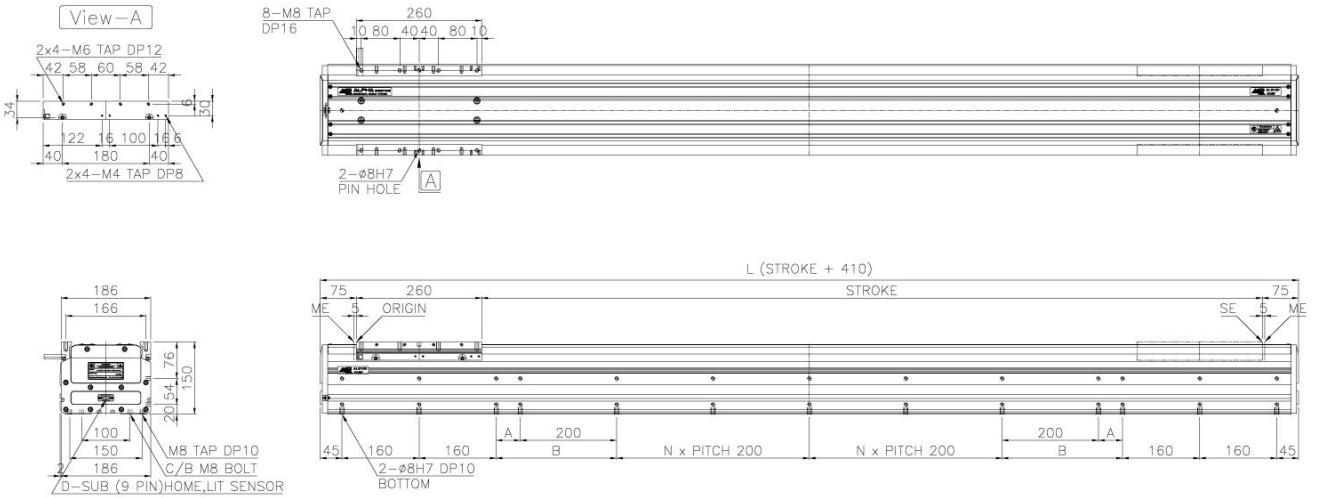
Model / Peak Force	ALG180-1H1 A008 86N	ALG180-1H2 A008 86N	ALG180-1H1 A012 125N	ALG180-1H2 A012 125N	ALG180-1H1 A022 220N	ALG180-1H2 A022 220N	ALG180-1H1 A044 440N	ALG180-1H2 A044 440N

Specification	Unit	Data
ALG180-1H1-A044 		ALG180-2H1-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 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	

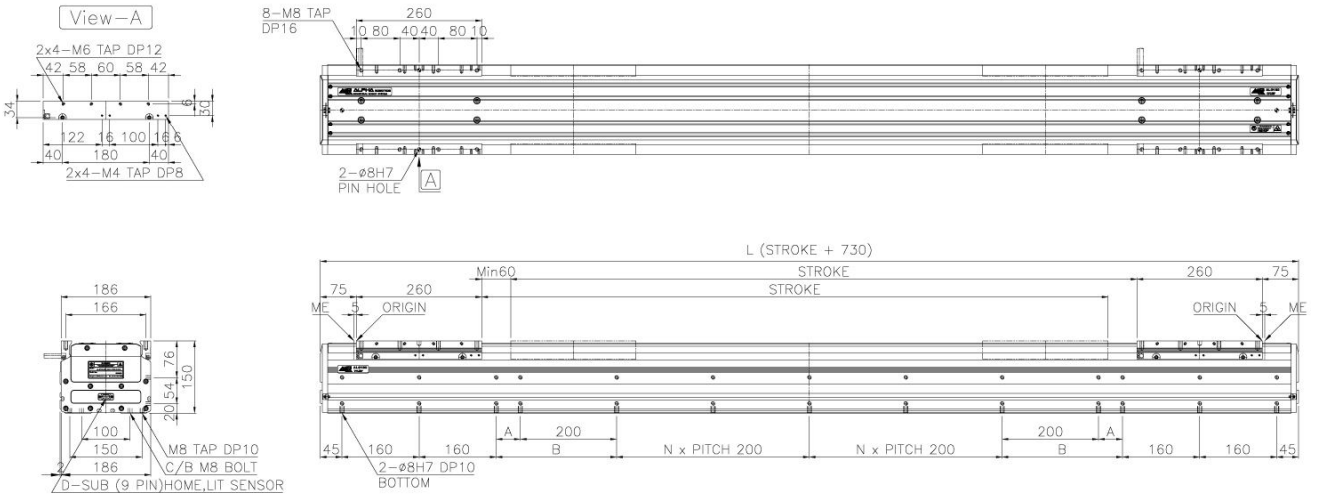
ALG180-1H1

* All dimensions in mm



ALG180-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1H1-A044	kgf	38.23	54.18	70.13	86.08	117.98	(3.19)
ALG180-2H1-A044	kgf	55.90	71.86	87.81	103.76	135.66	(3.19)

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.

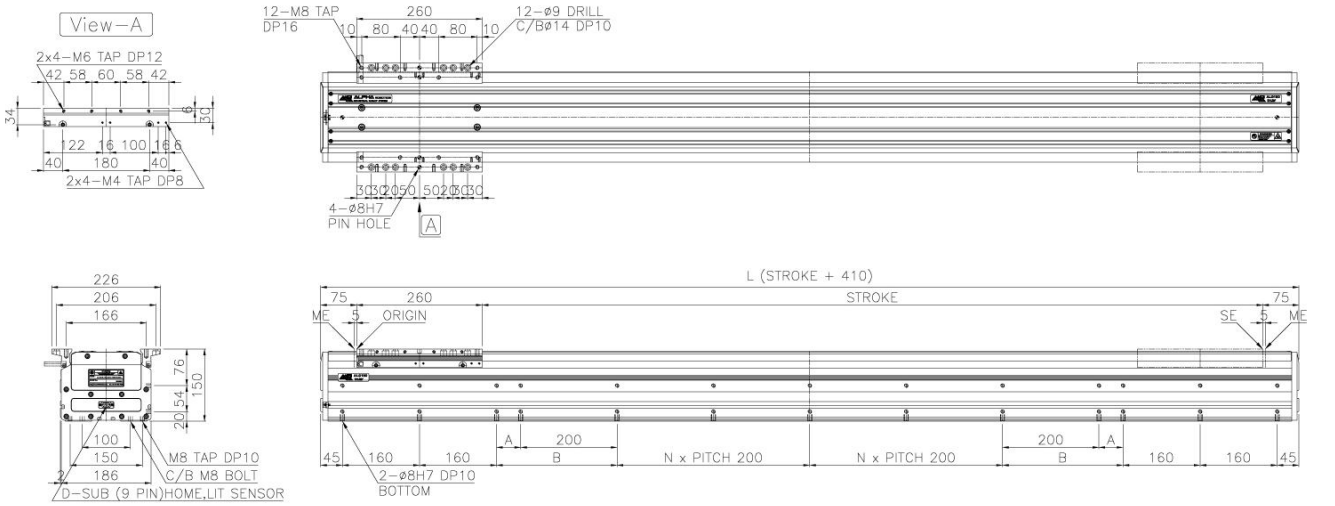
Model / Peak Force	ALG180-1H1 A008 86N	ALG180-1H2 A008 86N	ALG180-1H1 A012 125N	ALG180-1H2 A012 125N	ALG180-1H1 A022 220N	ALG180-1H2 A022 220N	ALG180-1H1 A044 440N	ALG180-1H2 A044 440N

Specification	Unit	Data
ALG180-1H2-A044		ALG180-2H2-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 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		

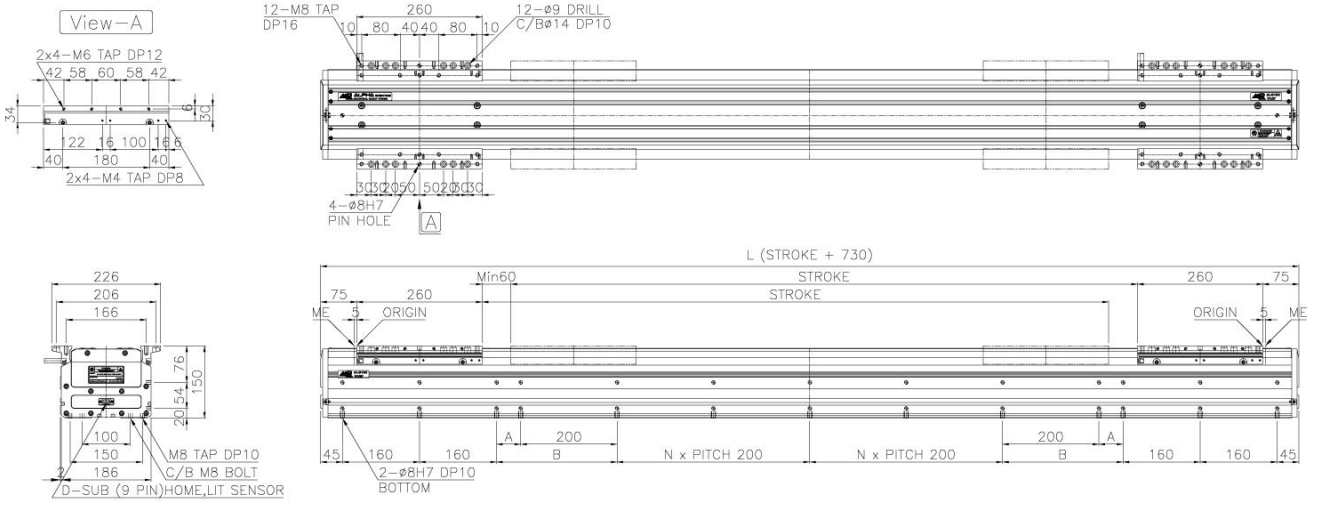
ALG180-1H2

* All dimensions in mm



ALG180-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG180-1H2-A044	kgf	38.23	54.18	70.13	86.08	117.98	(3.19)
ALG180-2H2-A044	kgf	55.90	71.86	87.81	103.76	135.66	(3.19)

CAUTION

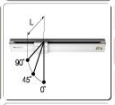
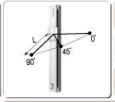
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NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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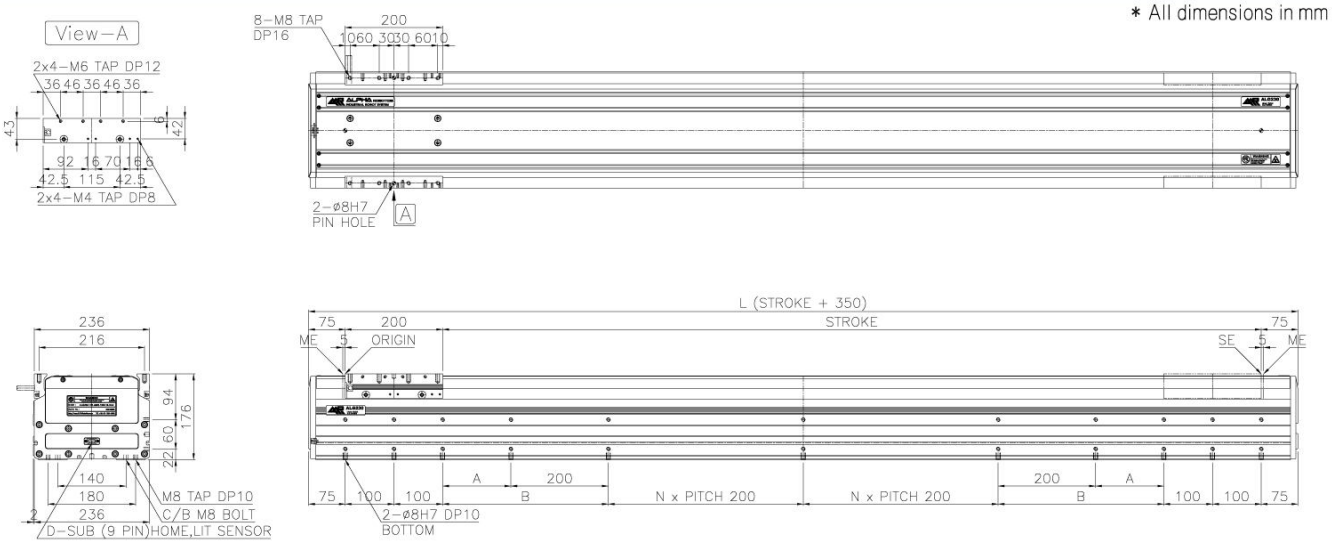
Model / Peak Force	ALG230-1H1 A022 220N	ALG230-1H2 A022 220N	ALG230-1H1 A044 440N	ALG230-1H2 A044 440N	ALG230-1H1 A060 600N	ALG230-1H2 A060 600N	ALG230-1H1 A120 1200N	ALG230-1H2 A120 1200N

Specification	Unit	Data
ALG230-1H1-A022 		ALG230-2H1-A022 
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
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	

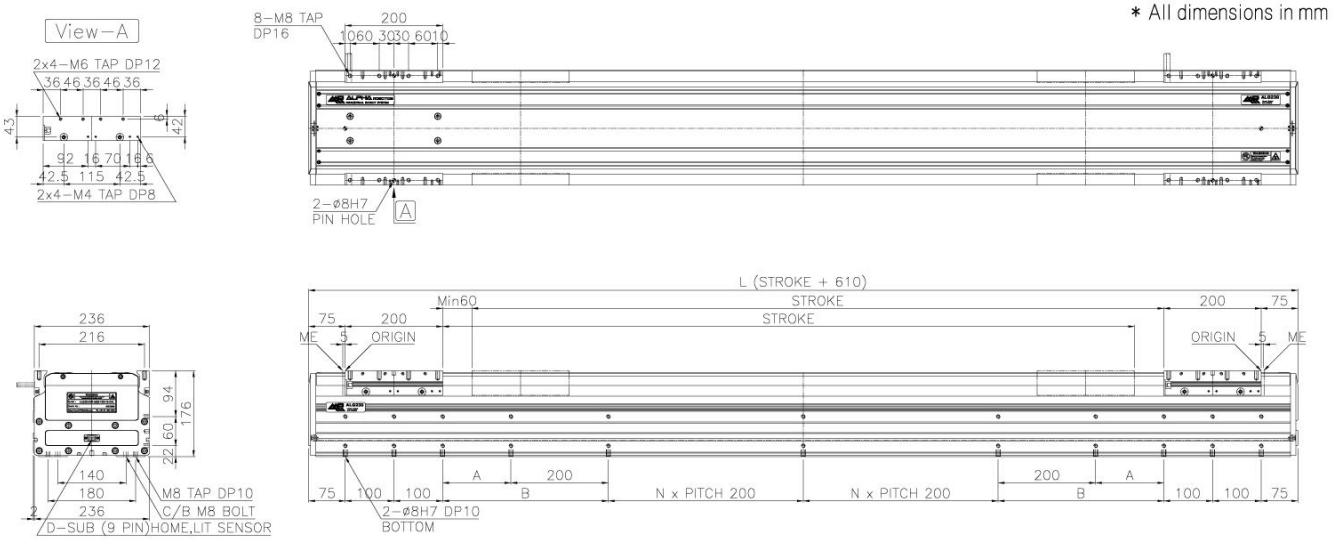
ALG230-1H1

* All dimensions in mm



ALG230-2H1

* All dimensions in mm



Model / Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1H1-A022	kgf	45.12	65.24	85.35	105.47	145.70	(4.02)
ALG230-2H1-A022	kgf	63.91	84.03	104.14	124.26	164.50	(4.02)

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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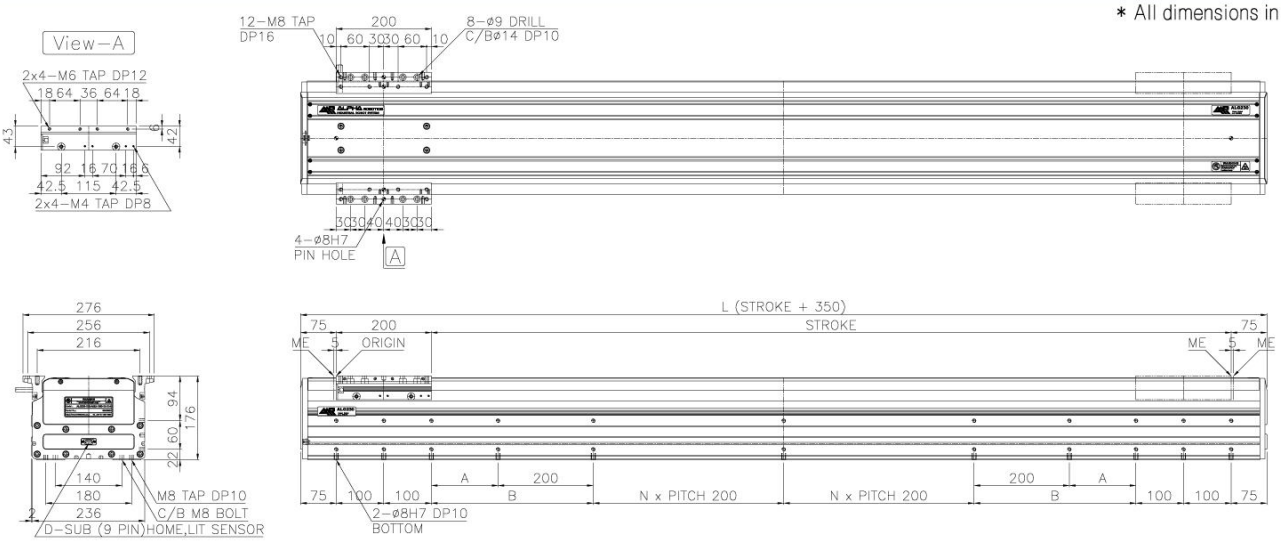
Model / Peak Force	ALG230-1H1 A022 220N	ALG230-1H2 A022 220N	ALG230-1H1 A044 440N	ALG230-1H2 A044 440N	ALG230-1H1 A060 600N	ALG230-1H2 A060 600N	ALG230-1H1 A120 1200N	ALG230-1H2 A120 1200N

Specification	Unit	Data
ALG230-1H2-A022		ALG230-2H2-A022
		
Rated Force	N	80
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
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		

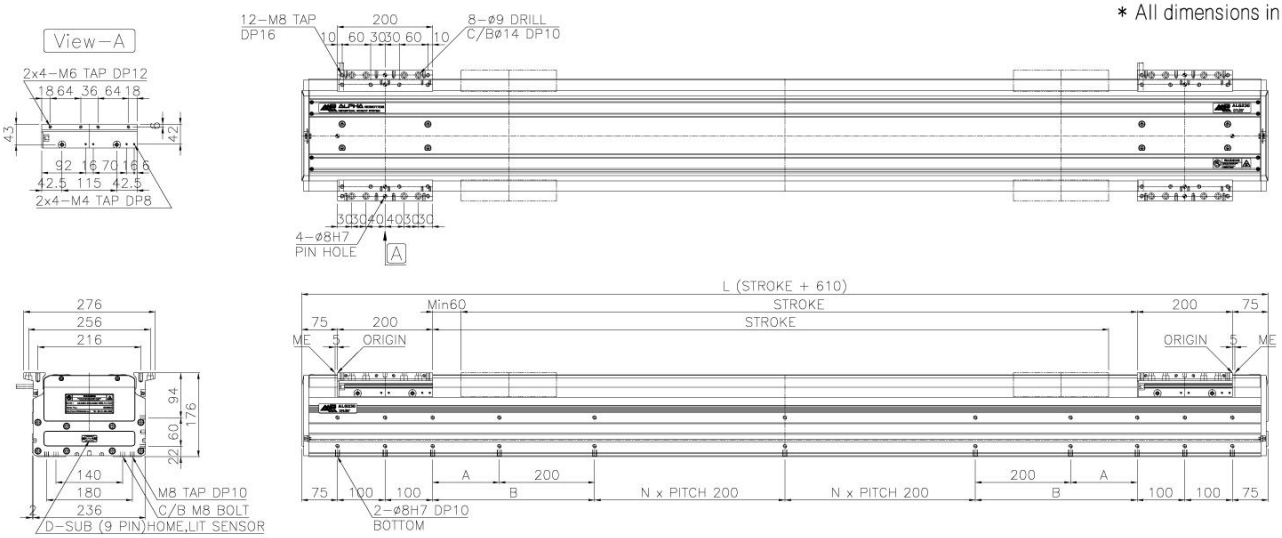
ALG230-1H2

* All dimensions in mm



ALG230-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1H2-A022	kgf	45.12	65.24	85.35	105.47	145.70	(4.02)
ALG230-2H2-A022	kgf	63.91	84.03	104.14	124.26	164.50	(4.02)

CAUTION

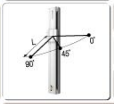
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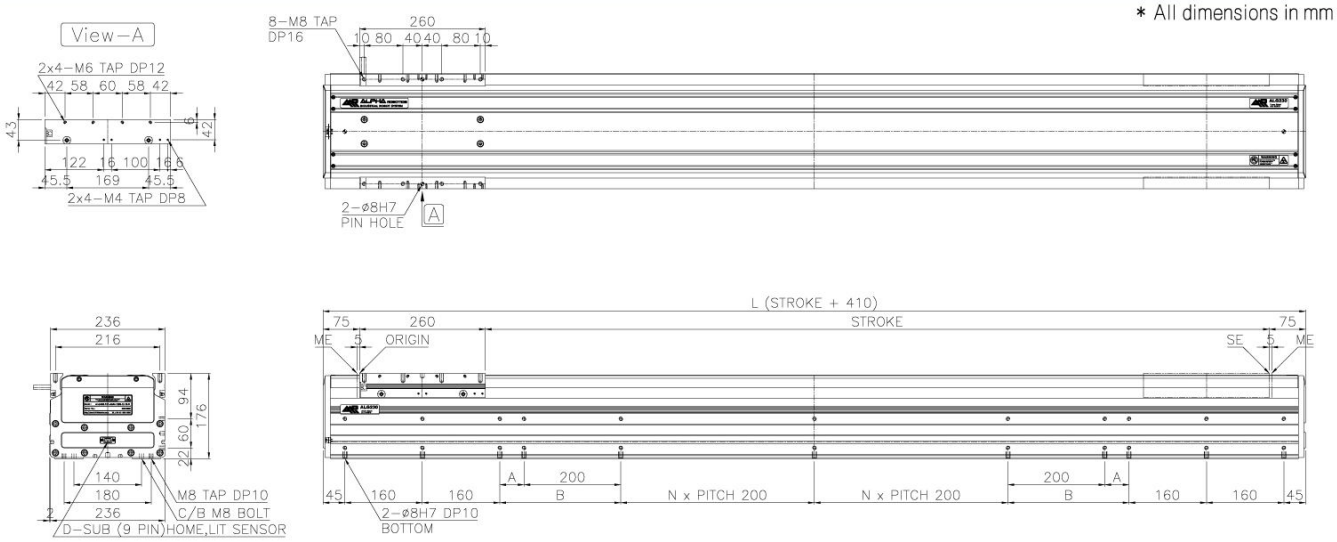
Model / Peak Force	ALG230-1H1 A022 220N	ALG230-1H2 A022 220N	ALG230-1H1 A044 440N	ALG230-1H2 A044 440N	ALG230-1H1 A060 600N	ALG230-1H2 A060 600N	ALG230-1H1 A120 1200N	ALG230-1H2 A120 1200N

Specification	Unit	Data
ALG230-1H1-A044 		ALG230-2H1-A044 
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
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 Life Time : 15000 hr Waiting Time : 0 sec Stroke : 2000 mm			

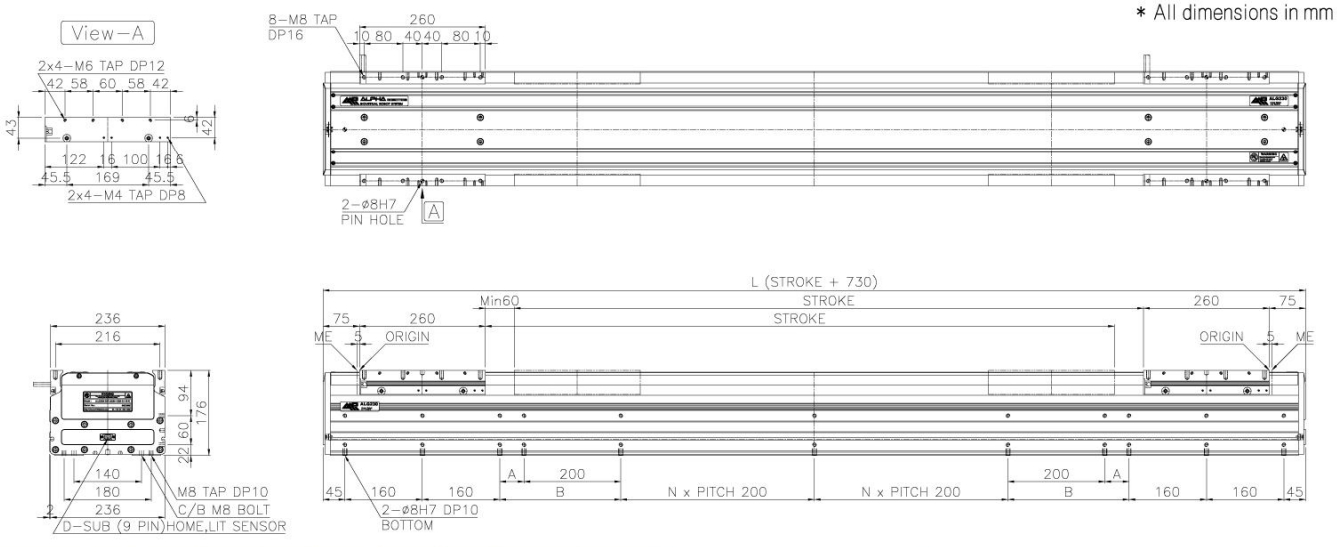
ALG230-1H1

* All dimensions in mm



ALG230-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1H1-A044	kgf	49.92	70.04	90.16	110.27	150.51	(4.02)
ALG230-2H1-A044	kgf	73.52	93.64	113.75	133.87	174.10	(4.02)

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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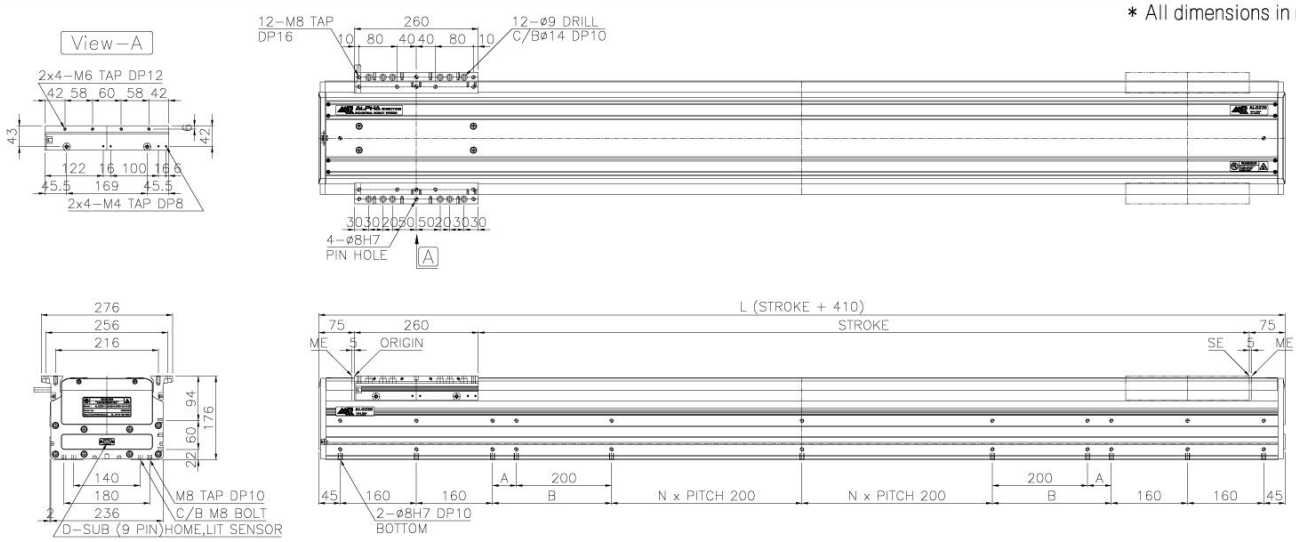
Model / Peak Force	ALG230-1H1 A022 220N	ALG230-1H2 A022 220N	ALG230-1H1 A044 440N	ALG230-1H2 A044 440N	ALG230-1H1 A060 600N	ALG230-1H2 A060 600N	ALG230-1H1 A120 1200N	ALG230-1H2 A120 1200N

Specification	Unit	Data
ALG230-1H2-A044		ALG230-2H2-A044
		
Rated Force	N	160
Peak Force	N	440
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
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		

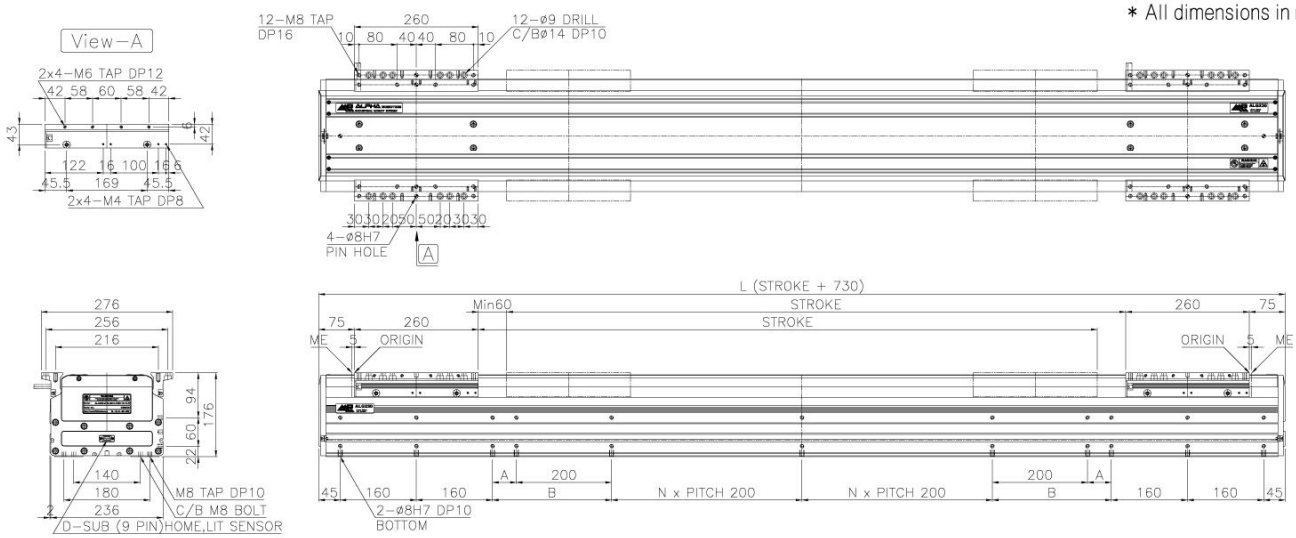
ALG230-1H2

* All dimensions in mm



ALG230-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1H2-A044	kgf	49.92	70.04	90.16	110.27	150.51	(4.02)
ALG230-2H2-A044	kgf	73.52	93.64	113.75	133.87	174.10	(4.02)

CAUTION

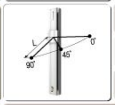
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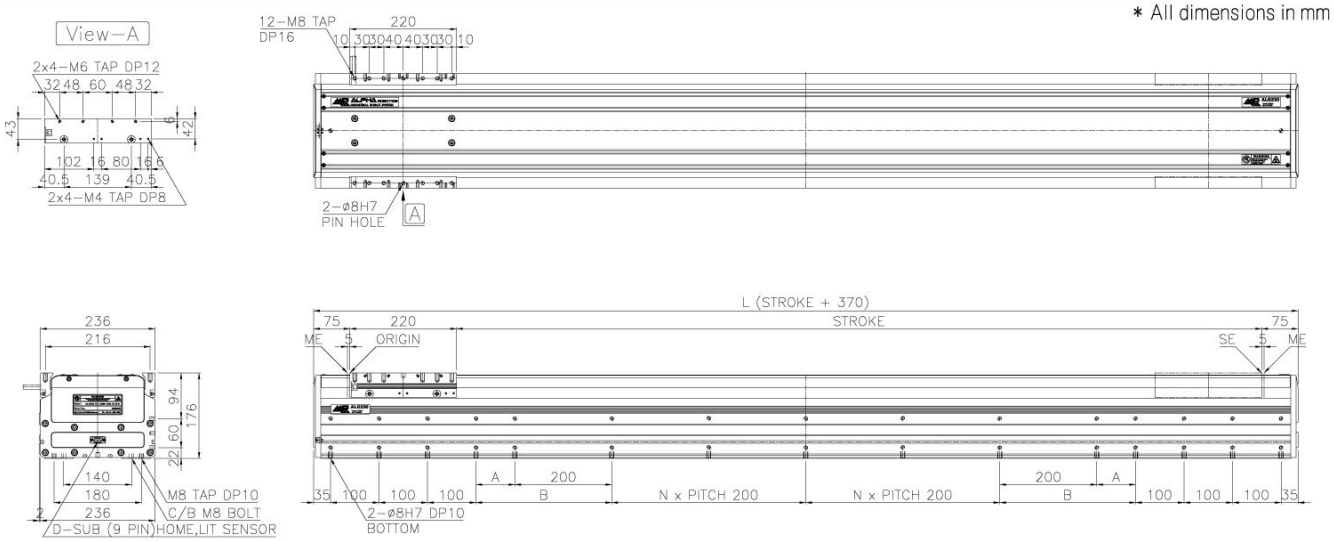
Model / Peak Force	ALG230-1H1 A022 220N	ALG230-1H2 A022 220N	ALG230-1H1 A044 440N	ALG230-1H2 A044 440N	ALG230-1H1 A060 600N	ALG230-1H2 A060 600N	ALG230-1H1 A120 1200N	ALG230-1H2 A120 1200N

Specification	Unit	Data
ALG230-1H1-A060		ALG230-2H1-A060
		
Rated Force	N	280
Peak Force	N	600
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
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		

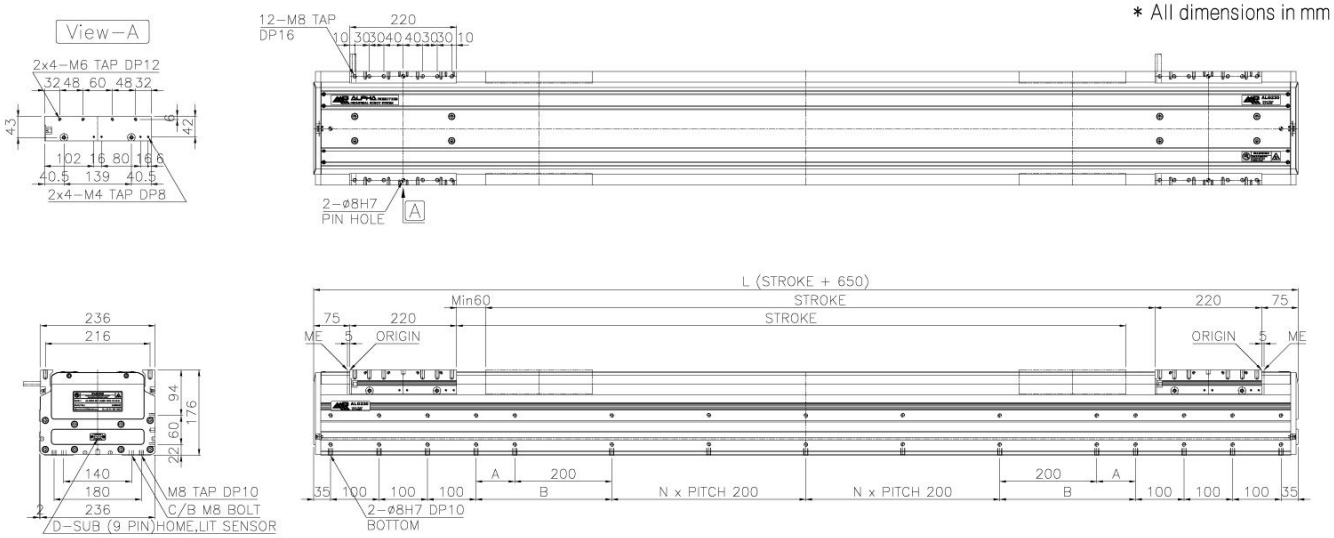
ALG230-1H1

* All dimensions in mm



ALG230-2H1

* All dimensions in mm



Model / Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1H1-A060	kgf	51.26	72.98	94.71	116.44	159.89	(4.35)
ALG230-2H1-A060	kgf	74.41	96.14	117.87	139.59	183.05	(4.35)

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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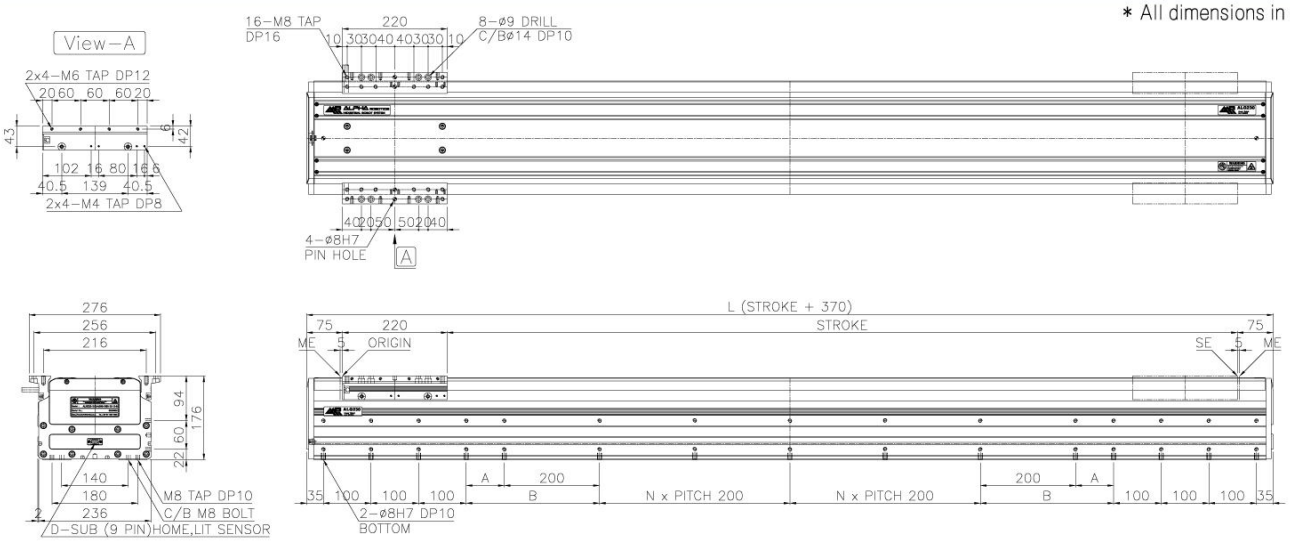
Model / Peak Force	ALG230-1H1 A022 220N	ALG230-1H2 A022 220N	ALG230-1H1 A044 440N	ALG230-1H2 A044 440N	ALG230-1H1 A060 600N	ALG230-1H2 A060 600N	ALG230-1H1 A120 1200N	ALG230-1H2 A120 1200N

Specification	Unit	Data
ALG230-1H2-A060		ALG230-2H2-A060
		
Rated Force	N	280
Peak Force	N	600
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	3000
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		

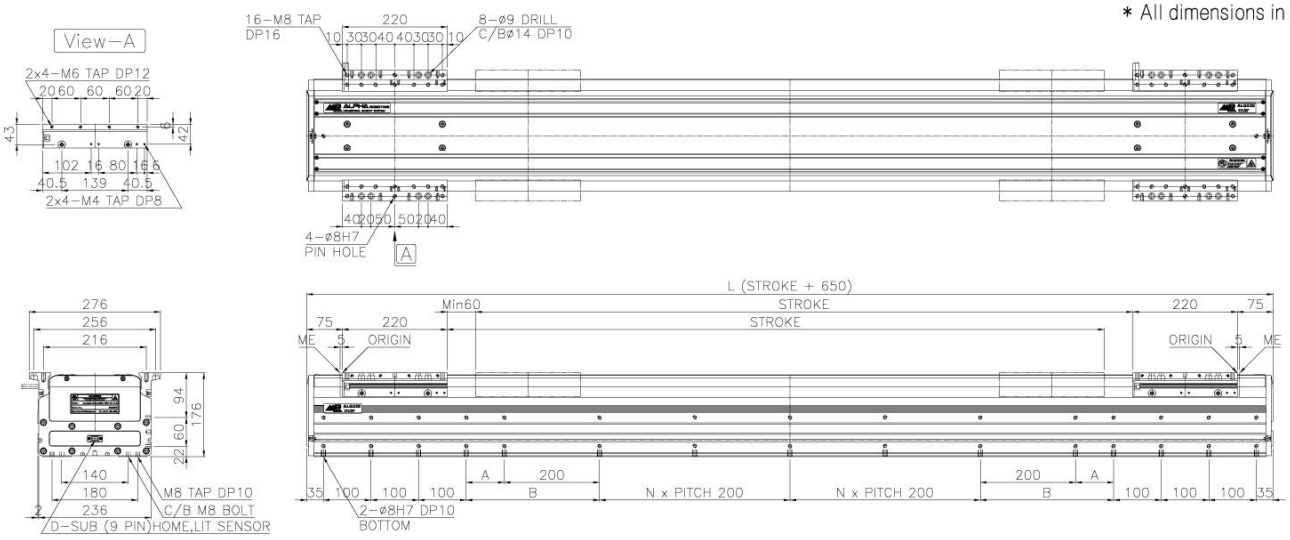
ALG230-1H2

* All dimensions in mm



ALG230-2H2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1H2-A060	kgf	51.26	72.98	94.71	116.44	159.89	(4.35)
ALG230-2H2-A060	kgf	74.41	96.14	117.87	139.59	183.05	(4.35)

CAUTION

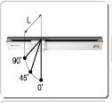
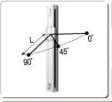
Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

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.

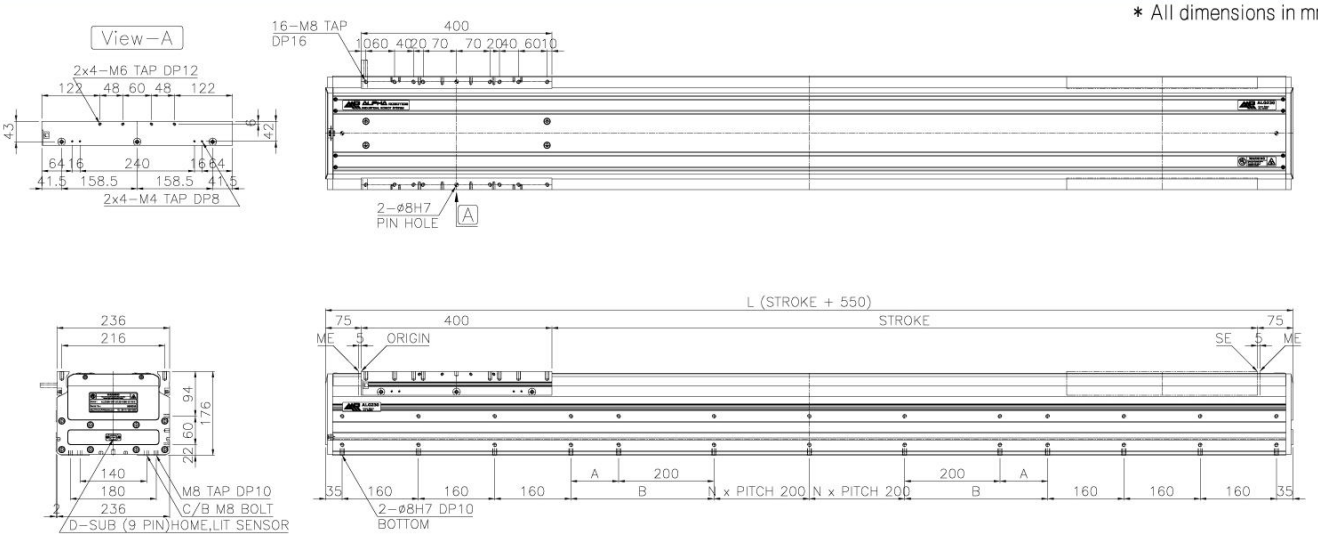
Model / Peak Force	ALG230-1H1 A022 220N	ALG230-1H2 A022 220N	ALG230-1H1 A044 440N	ALG230-1H2 A044 440N	ALG230-1H1 A060 600N	ALG230-1H2 A060 600N	ALG230-1H1 A120 1200N	ALG230-1H2 A120 1200N

Specification	Unit	Data
ALG230-1H1-A120		ALG230-2H1-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 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	

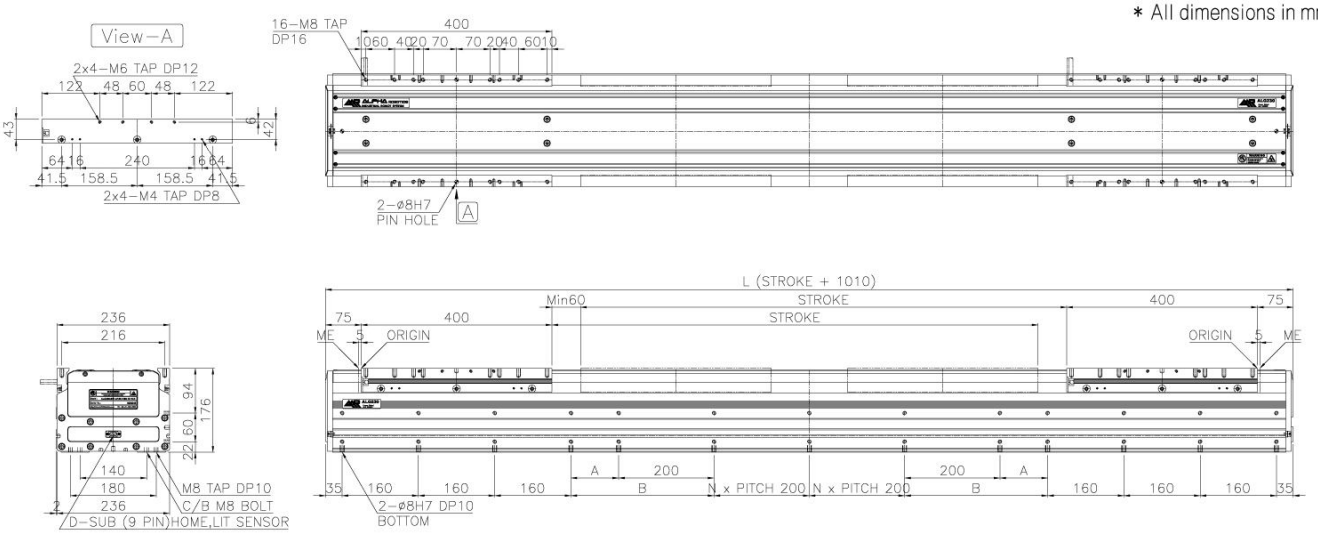
ALG230-1H1

* All dimensions in mm



ALG230-2H1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1H1-A120	kgf	61.66	83.39	105.12	126.85	170.30	(4.35)
ALG230-2H1-A120	kgf	95.23	116.96	138.68	160.41	203.87	(4.35)

CAUTION

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ME : Mechanical End
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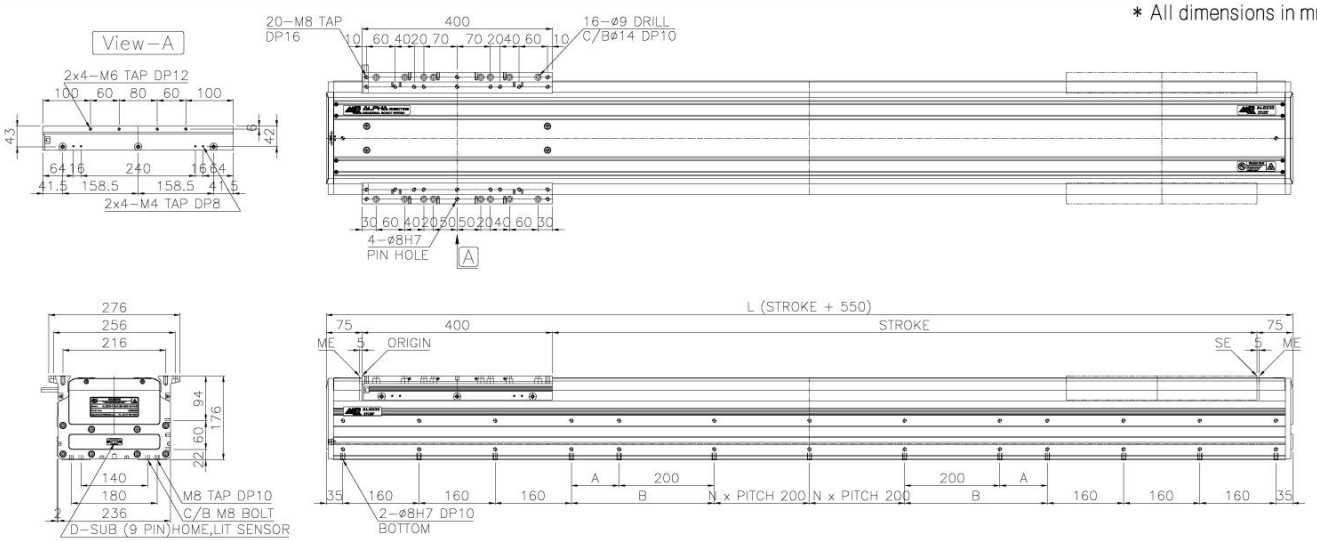
Model / Peak Force	ALG230-1H1 A022 220N	ALG230-1H2 A022 220N	ALG230-1H1 A044 440N	ALG230-1H2 A044 440N	ALG230-1H1 A060 600N	ALG230-1H2 A060 600N	ALG230-1H1 A120 1200N	ALG230-1H2 A120 1200N

Specification	Unit	Data
ALG230-1H2-A120		ALG230-2H2-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 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
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		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		

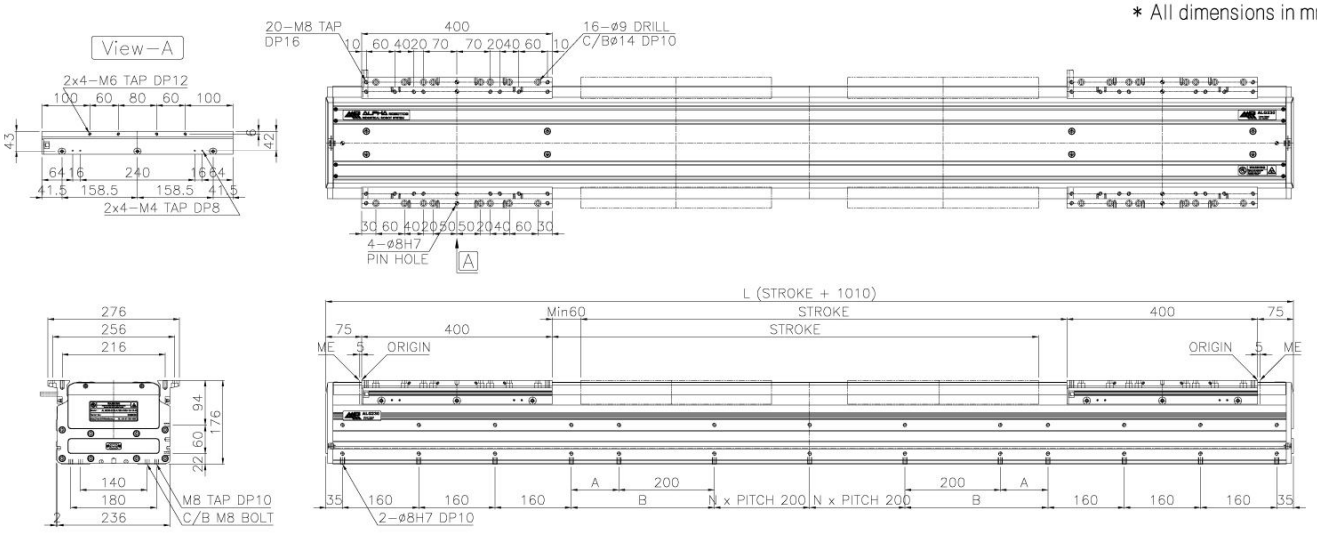
ALG230-1H2

* All dimensions in mm



ALG230-2H2

* All dimensions in mm



Model / Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALG230-1H2-A120	kgf	61.66	83.39	105.12	126.85	170.30	(4.35)
ALG230-2H2-A120	kgf	95.23	116.96	138.68	160.41	203.87	(4.35)

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