ALPHA® ROBOTICS

CORELESS LINEAR ROBOT



ALXD

CORELESS LINEAR ROBOT

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

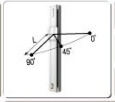


ALXD180-T 65.1

ALXD230-T 66.1

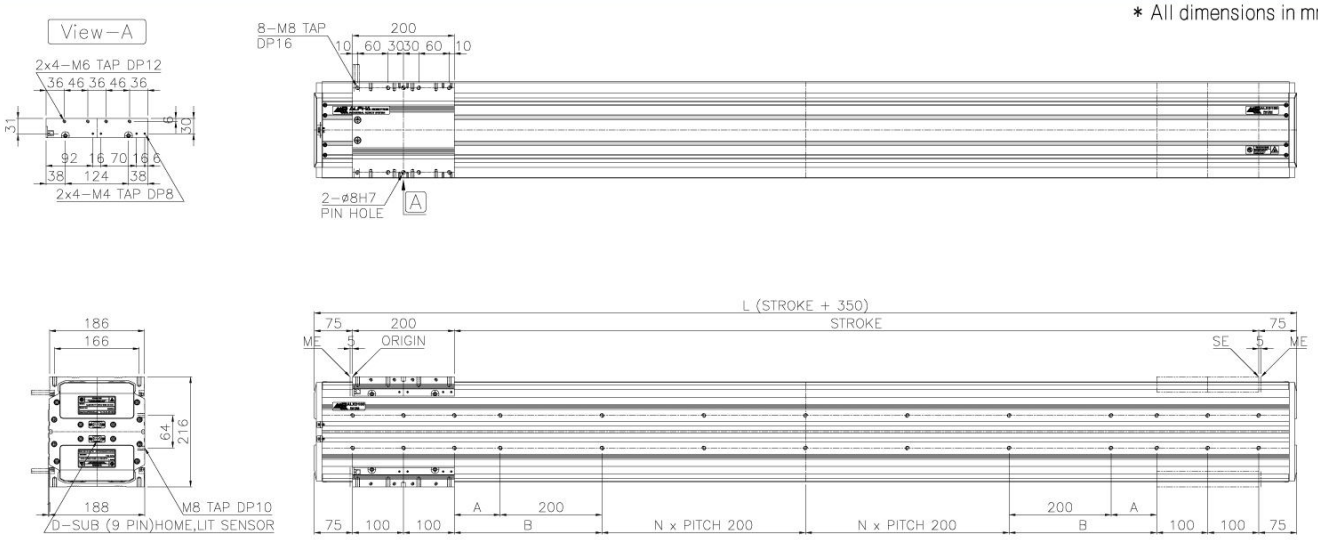
Model / Peak Force							
AXLD180-1T1 B014 140N	ALXD180-1T2 B014 140N	ALXD180-1T1 B028 280N	ALXD180-1T2 B028 280N	ALXD180-1T1 B042 420N	ALXD180-1T2 B042 420N		

Specification	Unit	Data
ALXD180-1T1-B014		ALXD180-2T1-B014
		
Rated Force	N	47
Peak Force	N	140
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 88
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	22	13	8	5
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°	732	1000	1000	1000
	Note4 Vertical Use 	0°	1000	1000	1000	1000
		45°	760	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	

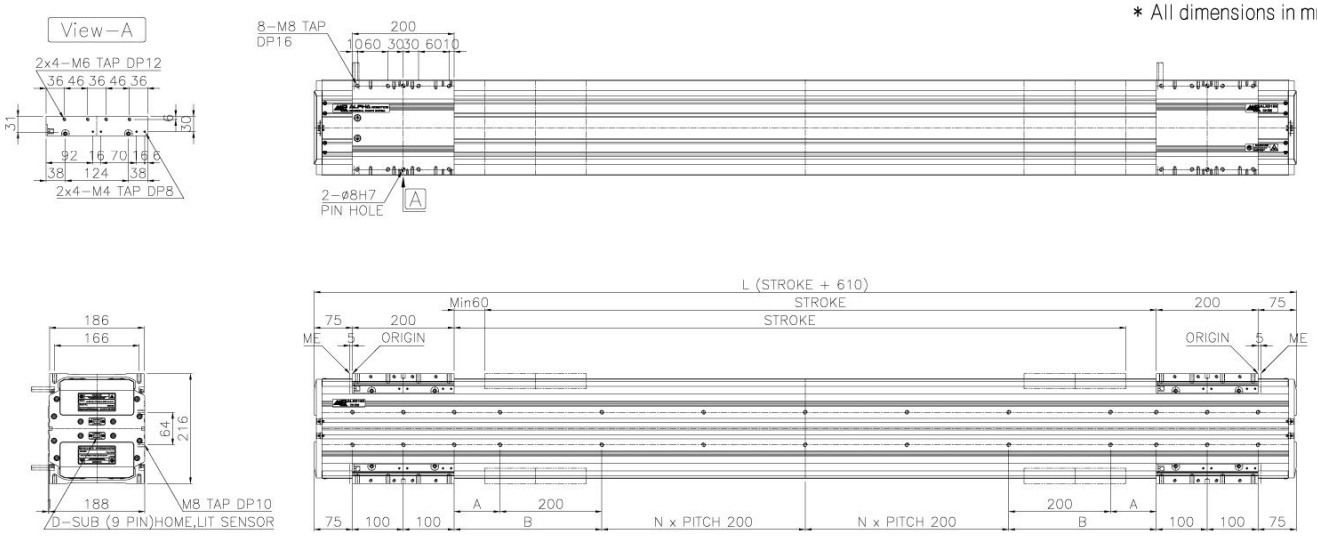
ALXD180-1T1

* All dimensions in mm



ALXD180-2T1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALXD180-1T1-B014	kgf	38.49	52.64	66.80	80.95	109.26	(2.83)
ALXD180-2T1-B014	kgf	55.41	69.57	83.72	97.87	126.18	(2.83)

CAUTION

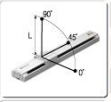
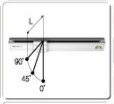
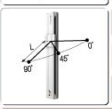
Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
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Apply 'B' value, in case of 'A' value is below of 80

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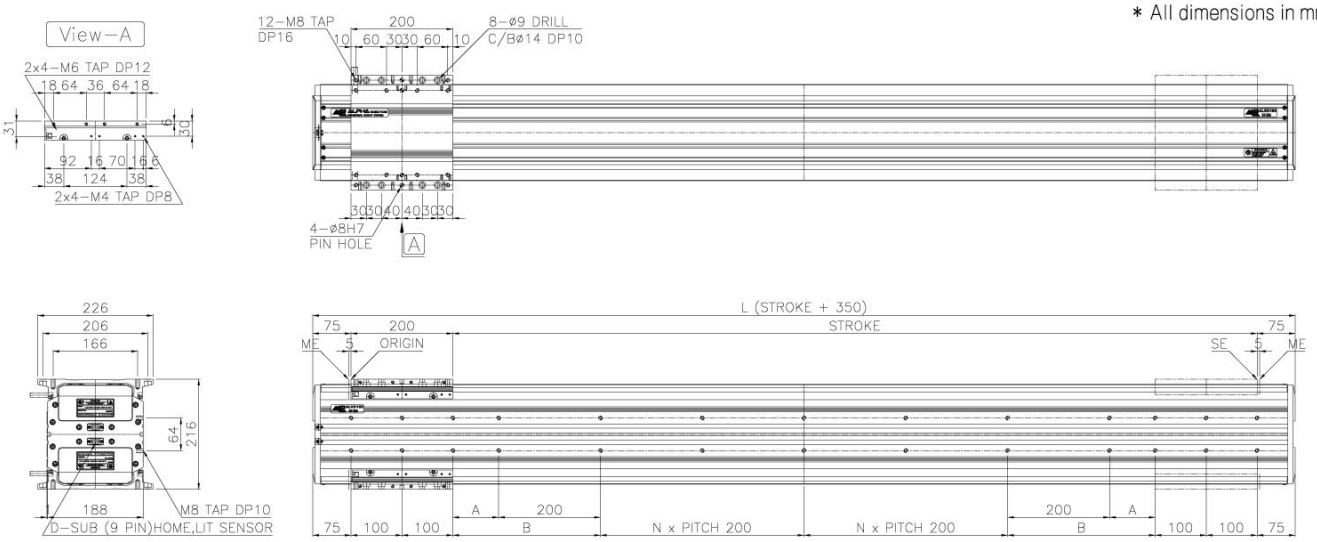
Model / Peak Force	ALXD180-1T1 B014 140N	ALXD180-1T2 B014 140N	ALXD180-1T1 B028 280N	ALXD180-1T2 B028 280N	ALXD180-1T1 B042 420N	ALXD180-1T2 B042 420N		

Specification	Unit	Data
ALXD180-1T2-B014		ALXD180-2T2-B014
		
Rated Force	N	47
Peak Force	N	140
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 88
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	22	13	8	5
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°	732	1000	1000	1000
	Note4 Vertical Use 	0°	1000	1000	1000	1000
		45°	760	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	

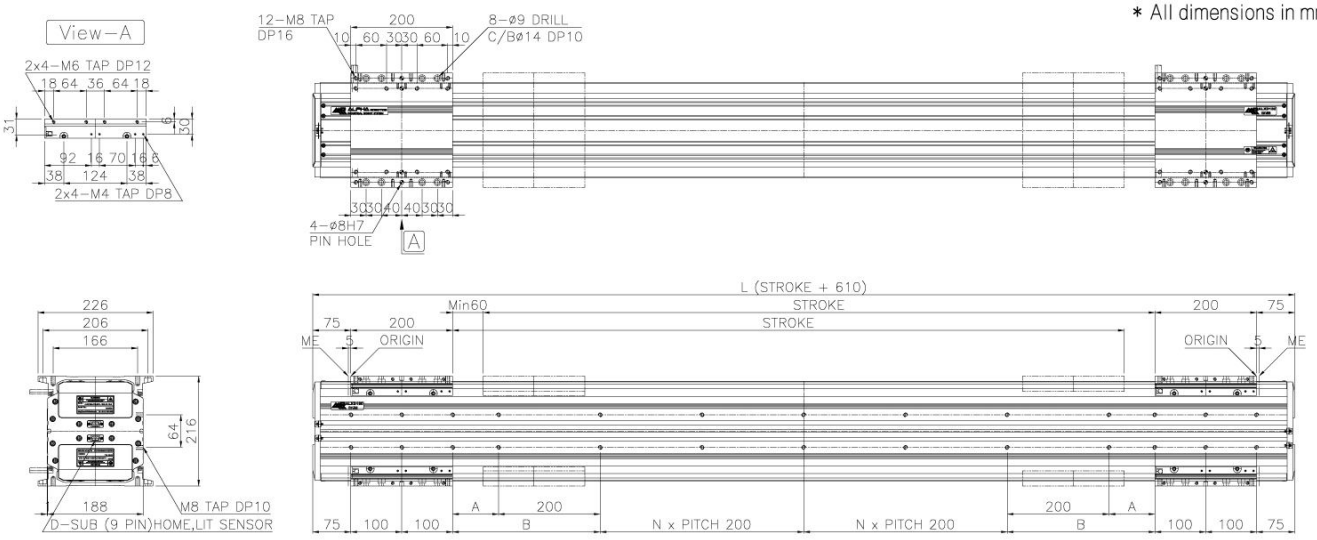
ALXD180-1T2

* All dimensions in mm



ALXD180-2T2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALXD180-1T2-B014	kgf	38.49	52.64	66.80	80.95	109.26	(2.83)
ALXD180-2T2-B014	kgf	55.41	69.57	83.72	97.87	126.18	(2.83)

CAUTION

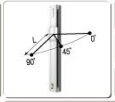
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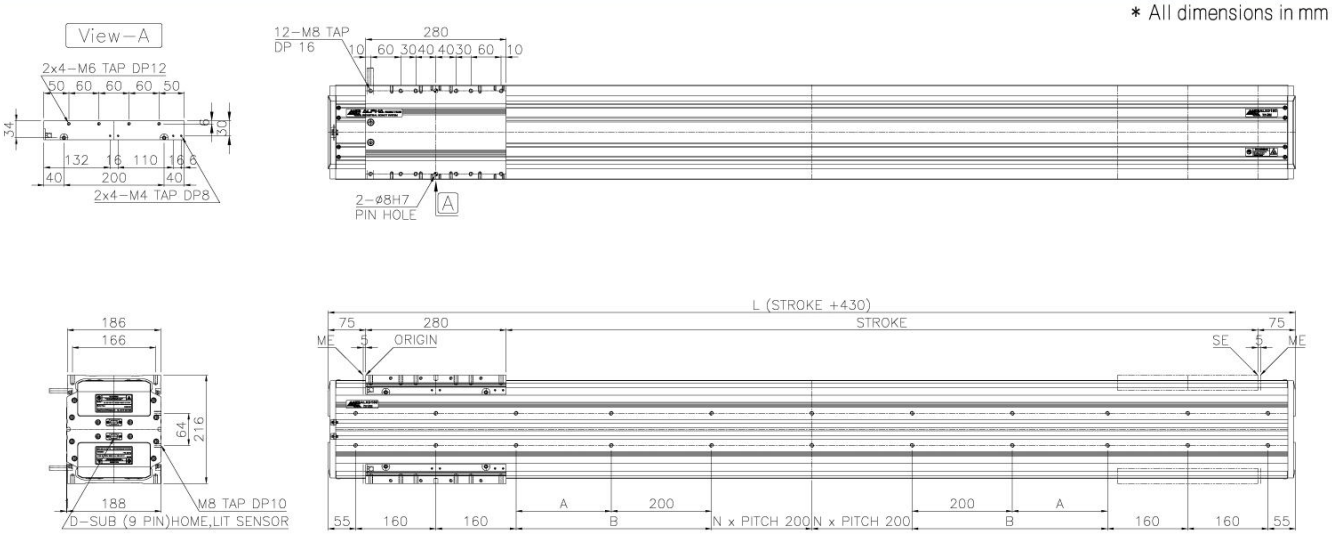
Model / Peak Force							
	ALXD180-1T1 B014 140N	ALXD180-1T2 B014 140N	**ALXD180-1T1 B028 280N**	AXD180-1T2 B028 280N	ALXD180-1T1 B042 420N	ALXD180-1T2 B042 420N	

Specification	Unit	Data
ALXD180-1T1-B028 		**ALXD180-2T1-B028** 
Rated Force	N	93
Peak Force	N	280
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	54	32	23	15
Allowable Overhang Distance - mm	Horizontal Use 	0°	545	880	1000	1000
		45°	535	850	1000	1000
		90°	1000	1000	1000	1000
	Wall Installation Use 	0°	915	1000	1000	1000
		45°	600	956	1000	1000
		90°	363	578	795	1000
	Note4 Vertical Use 	0°	1000	1000	1000	1000
		45°	510	775	1000	1000
		90°	1000	1000	1000	1000
Note5	Estimated Condition	Max Speed : 2000 mm/sec Life Time : 15000 hr Waiting Time : 0 sec Stroke : 2000 mm				

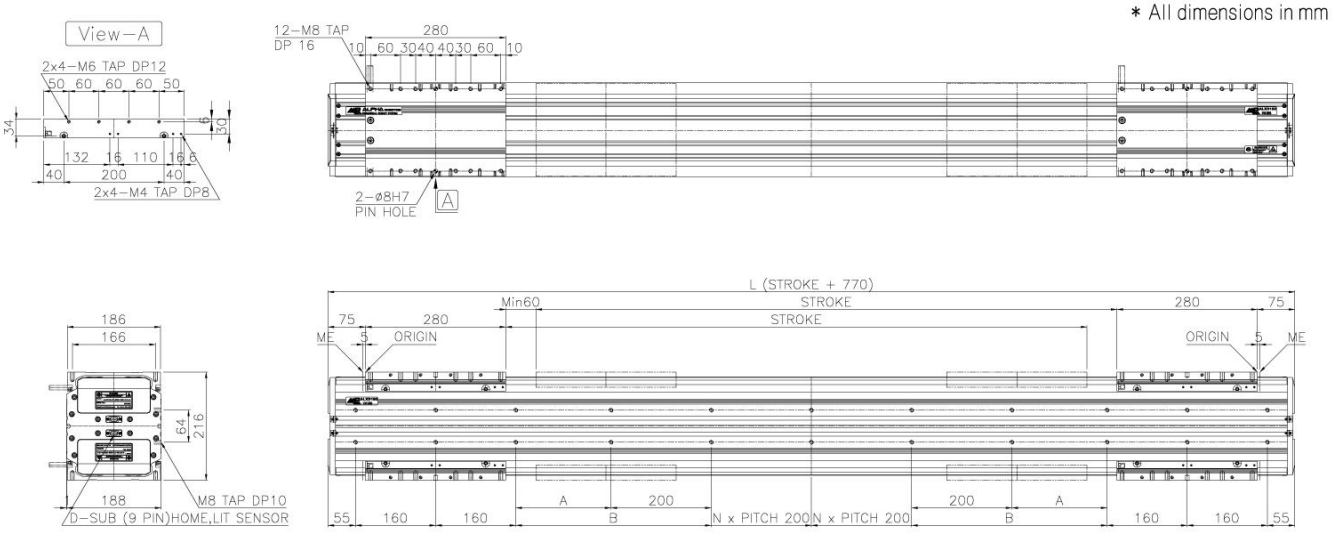
ALXD180-1T1

* All dimensions in mm



ALXD180-2T1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALXD180-1T1-B028	kgf	43.50	57.65	71.80	85.96	114.27	(2.83)
ALXD180-2T1-B028	kgf	65.42	79.57	93.73	107.88	136.19	(2.83)

CAUTION

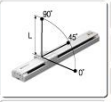
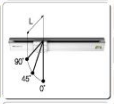
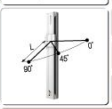
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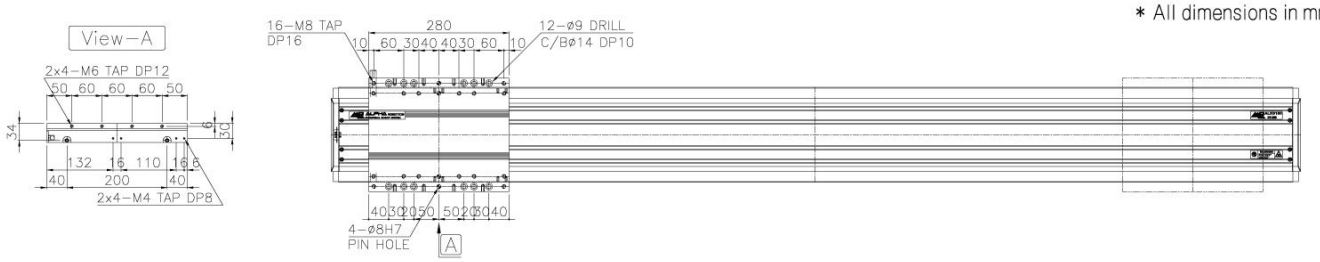
Model / Peak Force	ALXD180-1T1 B014 140N	ALXD180-1T2 B014 140N	ALXD180-1T1 B028 280N	ALXD180-1T2 B028 280N	ALXD180-1T1 B042 420N	ALXD180-1T2 B042 420N		

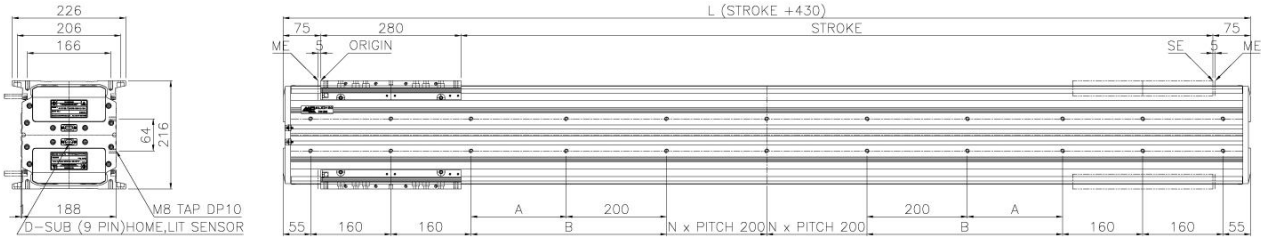
Specification	Unit	Data
ALXD180-1T2-B028		ALXD180-2T2-B028
		
Rated Force	N	93
Peak Force	N	280
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2000
Max. Load	kgf	Note3 100
LM Guide	-	NO 20, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	54	32	23	15
Allowable Overhang Distance - mm	Horizontal Use 	0°	545	880	1000	1000
		45°	535	850	1000	1000
		90°	1000	1000	1000	1000
	Wall Installation Use 	0°	915	1000	1000	1000
		45°	600	956	1000	1000
		90°	363	578	795	1000
	Note4 Vertical Use 	0°	1000	1000	1000	1000
		45°	510	775	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		

ALXD180-1T2

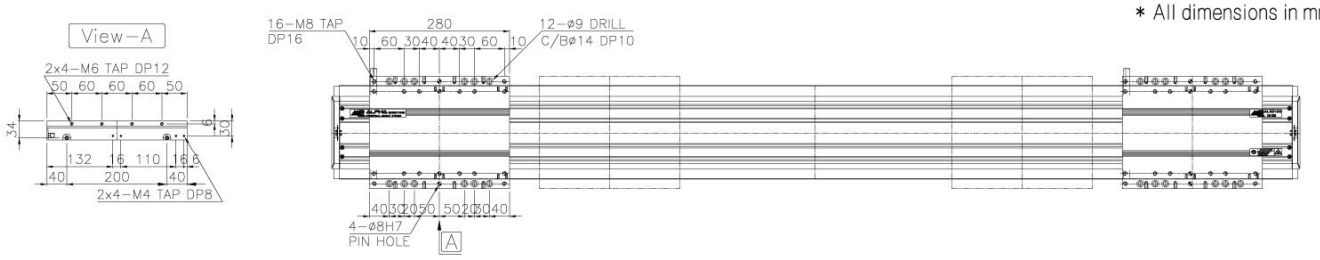
* All dimensions in mm

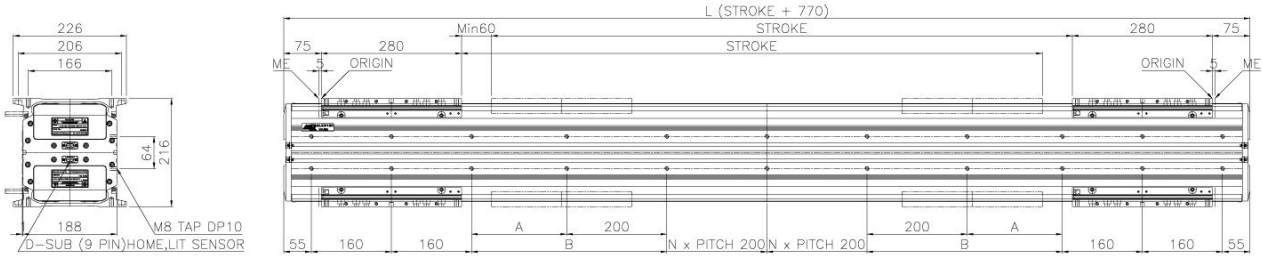




ALXD180-2T2

* All dimensions in mm





Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALXD180-1T2-B028	kgf	43.50	57.65	71.80	85.96	114.27	(2.83)
ALXD180-2T2-B028	kgf	65.42	79.57	93.73	107.88	136.19	(2.83)

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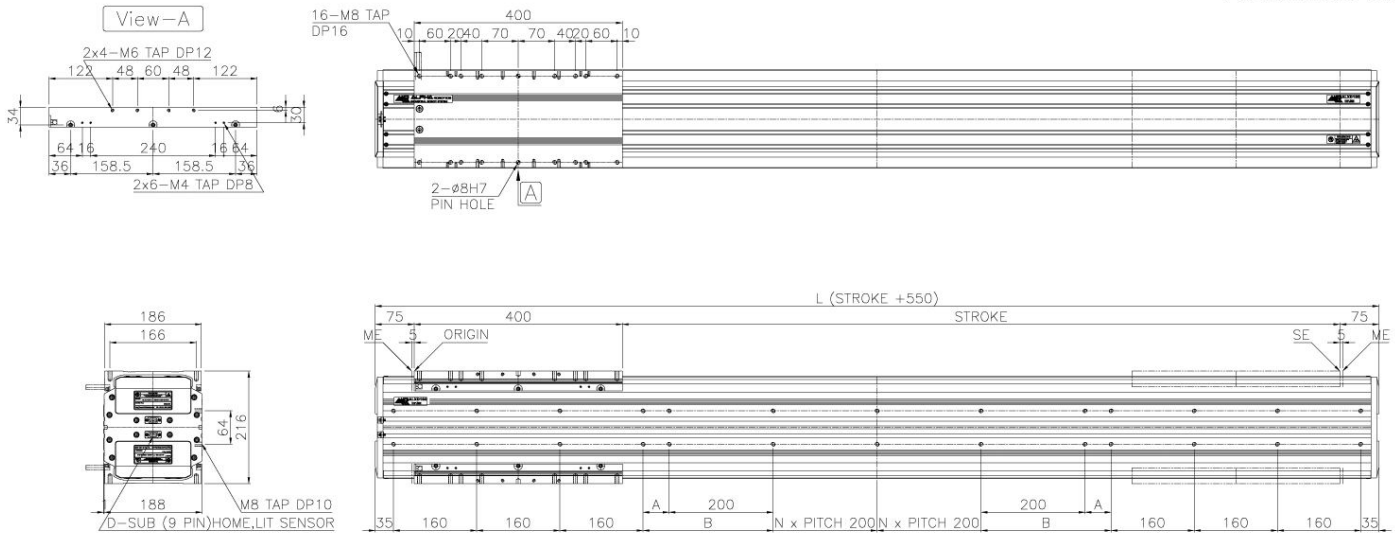
Model / Peak Force	ALXD180-1T1 B014 140N	ALXD180-1T2 B014 140N	ALXD180-1T1 B028 280N	ALXD180-1T2 B028 280N	ALXD180-1T1 B042 420N	ALXD180-1T2 B042 420N

Specification	Unit	Data
ALXD180-1T1-B042		ALXD180-2T1-B042
		
Rated Force	N	140
Peak Force	N	420
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	81	49	34	22
Allowable Overhang Distance - mm	Horizontal Use	0°	375	610	850	1000
		45°	375	600	830	1000
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	955	1000	1000	1000
		45°	400	645	900	1000
		90°	282	455	628	954
	Note4 Vertical Use	0°	1000	1000	1000	1000
		45°	535	810	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		

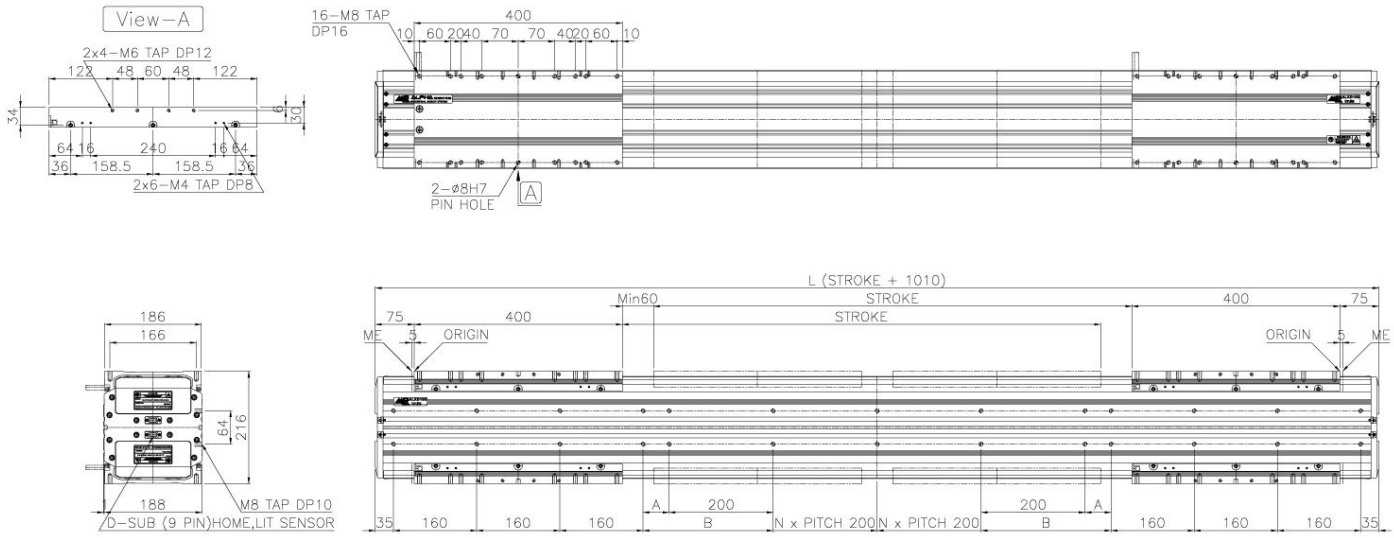
ALXD180-1T1

* All dimensions in mm



ALXD180-2T1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALXD180-1T1-B042	kgf	52.13	66.29	80.44	94.60	122.90	(2.83)
ALXD180-2T1-B042	kgf	82.69	96.85	111.00	125.16	153.47	(2.83)

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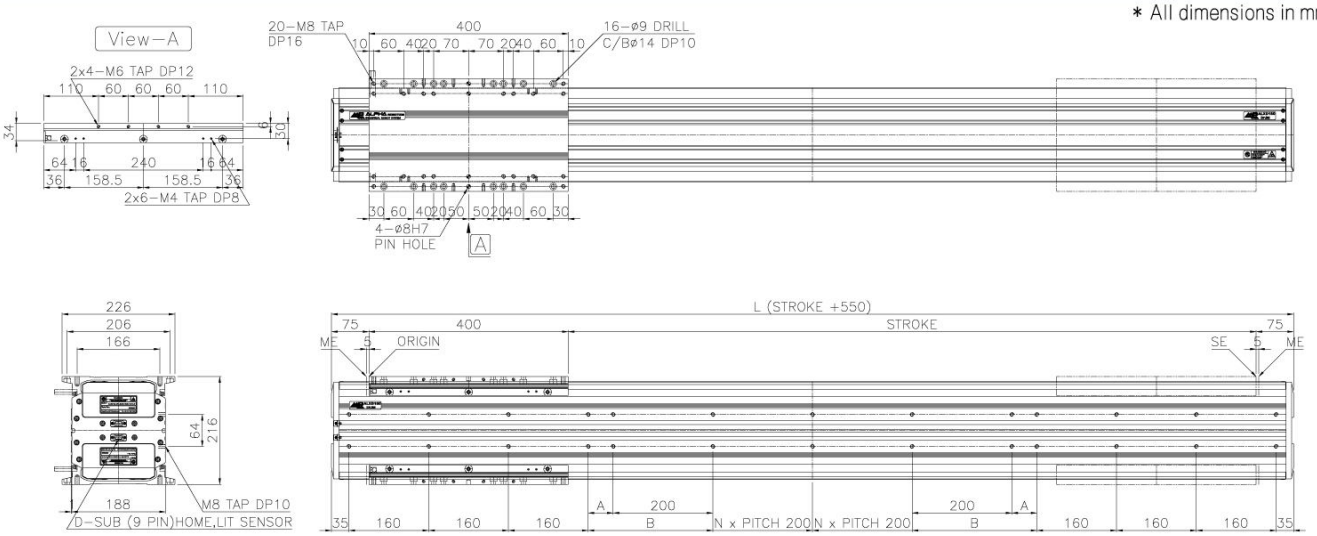
Model / Peak Force	ALXD180-1T1 B014 140N	ALXD180-1T2 B014 140N	ALXD180-1T1 B028 280N	ALXD180-1T2 B028 280N	ALXD180-1T1 B042 420N	ALXD180-1T2 B042 420N

Specification	Unit	Data
ALXD180-1T2-B042		ALXD180-2T2-B042
		
Rated Force	N	140
Peak Force	N	420
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	81	49	34	22
Allowable Overhang Distance - mm	Horizontal Use	0°	375	610	850	1000
		45°	375	600	830	1000
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	955	1000	1000	1000
		45°	400	645	900	1000
		90°	282	455	628	954
	Note4 Vertical Use	0°	1000	1000	1000	1000
		45°	535	810	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		

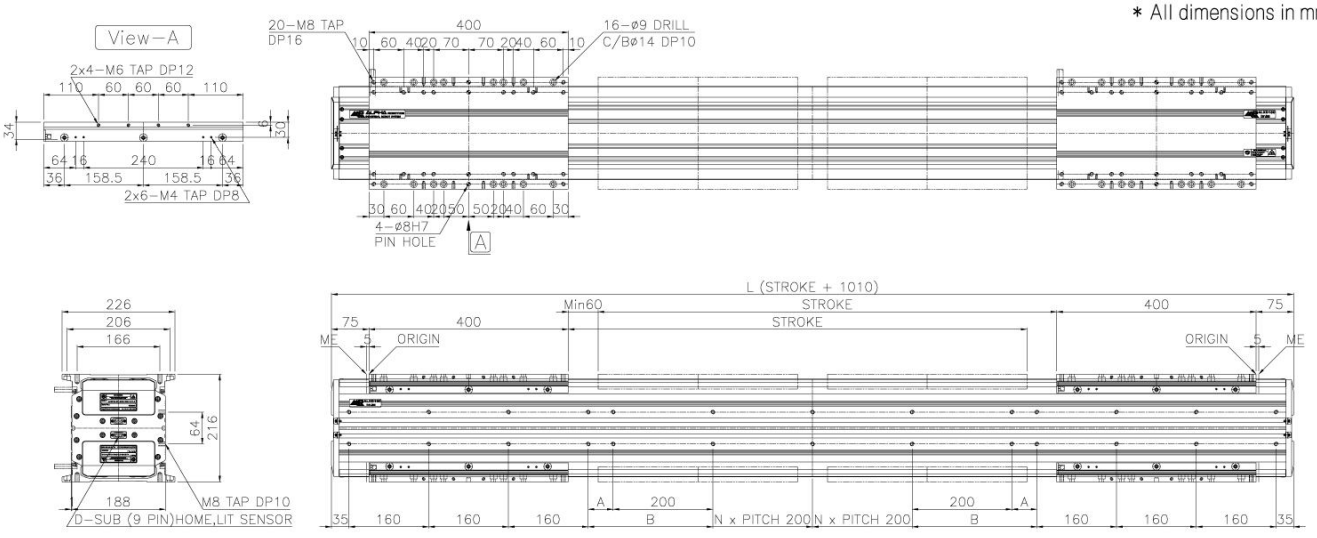
ALXD180-1T2

* All dimensions in mm



ALXD180-2T2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALXD180-1T2-B042	kgf	52.13	66.29	80.44	94.60	122.90	(2.83)
ALXD180-2T2-B042	kgf	82.69	96.85	111.00	125.16	153.47	(2.83)

CAUTION

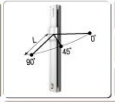
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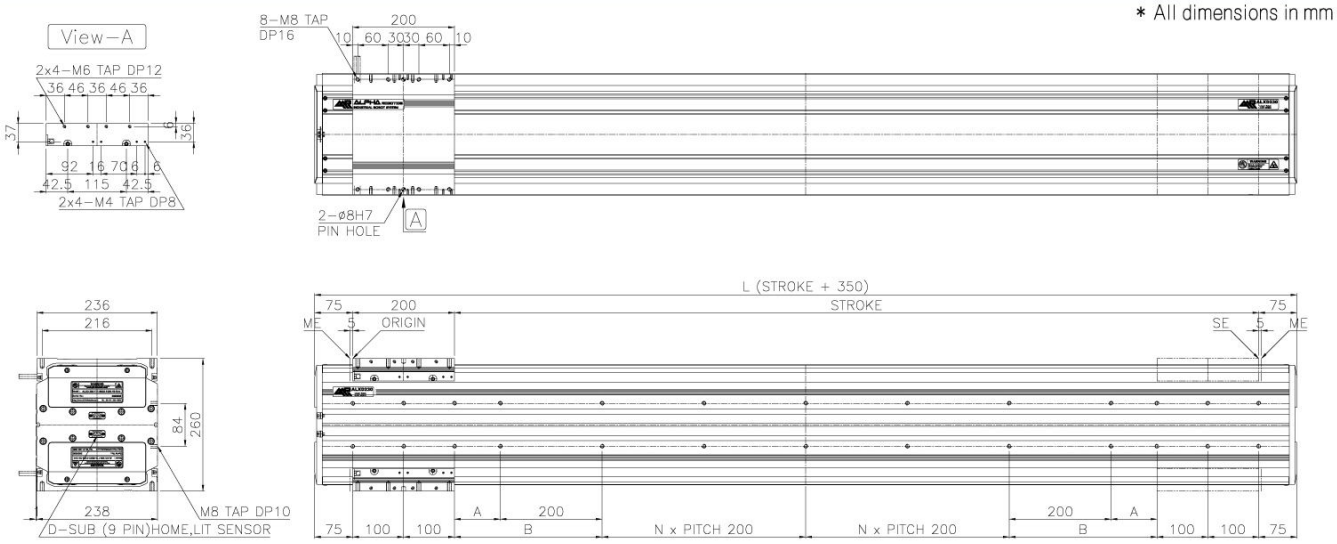
Model / Peak Force	ALXD230-1T1 B022 220N	ALXD230-1T2 B022 220N	ALXD230-1T1 B044 440N	ALXD230-1T2 B044 440N	ALXD230-1T1 B066 660N	ALXD230-1T2 B066 660N		

Specification	Unit	Data
ALXD230-1T1-B022		ALXD230-2T1-B022
		
Rated Force	N	73
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 140
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	36	21	14	8
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°	1140	1200	1200	1200
		45°	1200	1200	1200	1200
		90°	675	1078	1200	1200
	Note4 Vertical Use 	0°	1200	1200	1200	1200
		45°	600	950	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			

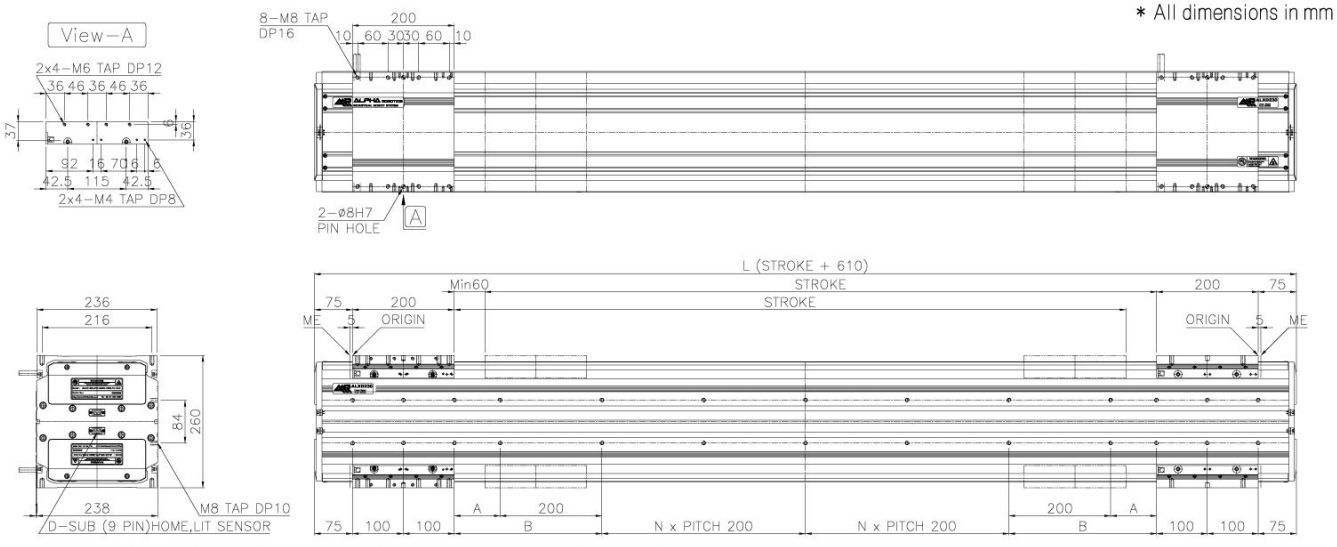
ALXD230-1T1

* All dimensions in mm



ALXD230-2T1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALXD230-1T1-B022	kgf	51.68	69.83	87.97	106.12	142.41	(3.63)
ALXD230-2T1-B022	kgf	74.99	93.14	111.29	129.44	165.73	(3.63)

CAUTION

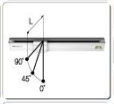
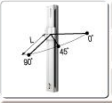
Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

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

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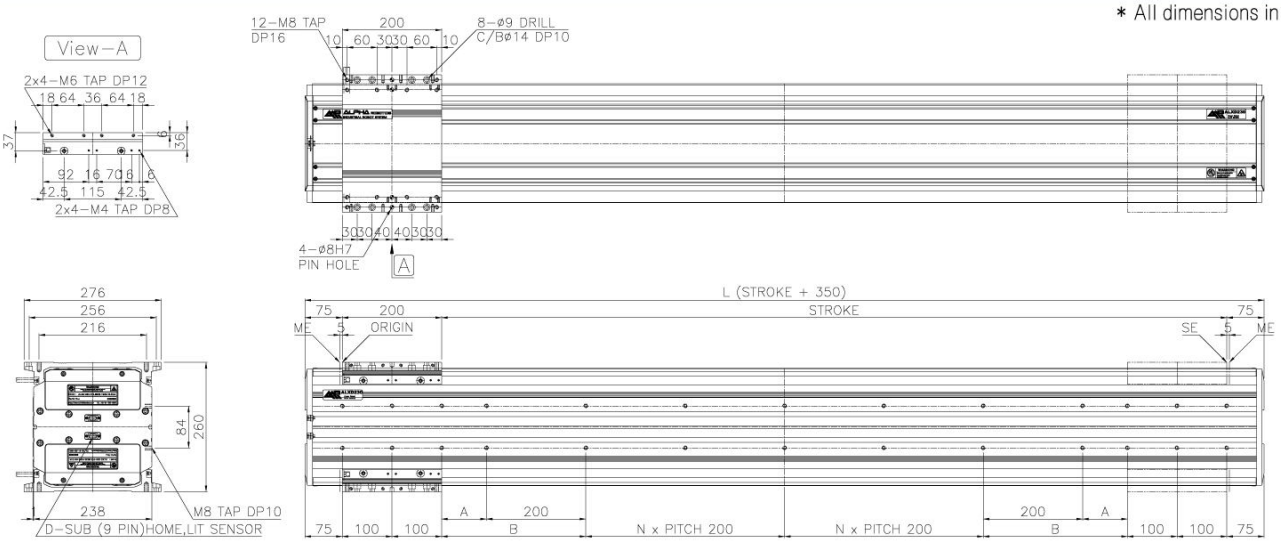
Model / Peak Force	ALXD230-1T1 B022 220N	ALXD230-1T2 B022 220N	ALXD230-1T1 B044 440N	ALXD230-1T2 B044 440N	ALXD230-1T1 B066 660N	ALXD230-1T2 B066 660N		

Specification	Unit	Data
ALXD230-1T2-B022		ALXD230-2T2-B022
		
Rated Force	N	73
Peak Force	N	220
Resolution	㎛	Note1 0.1 ~ 40
Max. Speed	mm/sec	Note2 2500
Max. Stroke	mm	2500
Max. Load	kgf	Note3 140
LM Guide	-	NO 25, 2Rail 4Block

Specification		Unit	Data			
Acceleration		G	0.3	0.5	0.7	1.0
Load		kgf	36	21	14	8
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°	1140	1200	1200	1200
		45°	1200	1200	1200	1200
		90°	675	1078	1200	1200
	Note4 Vertical Use 	0°	1200	1200	1200	1200
		45°	600	950	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			

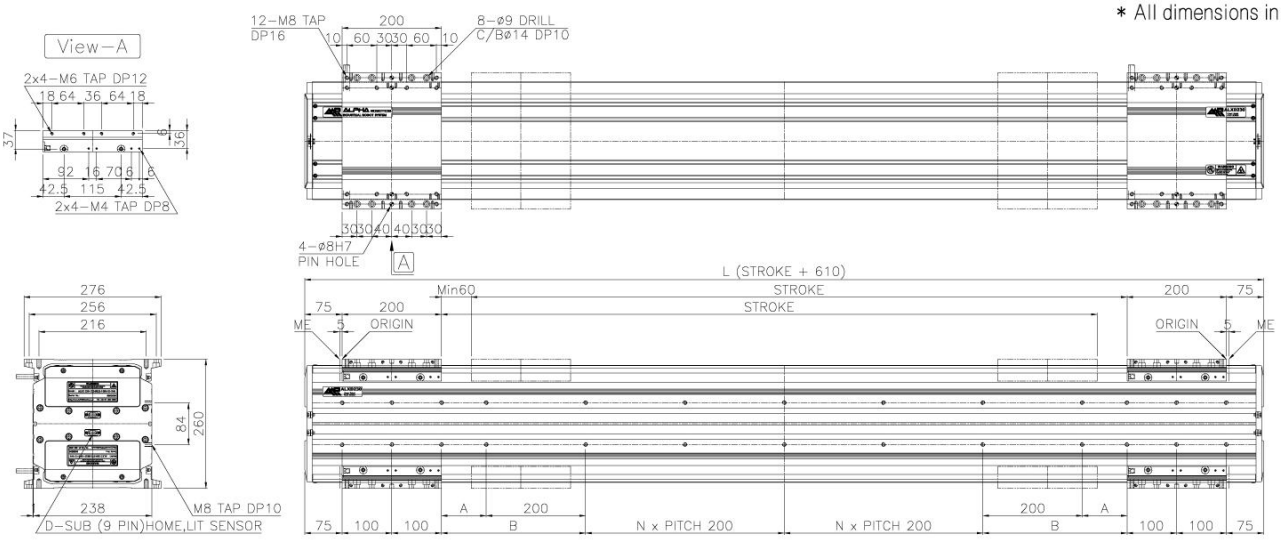
ALXD230-1T2

* All dimensions in mm



ALXD230-2T2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALXD230-1T2-B022	kgf	51.68	69.83	87.97	106.12	142.41	(3.63)
ALXD230-2T2-B022	kgf	74.99	93.14	111.29	129.44	165.73	(3.63)

CAUTION

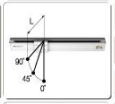
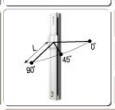
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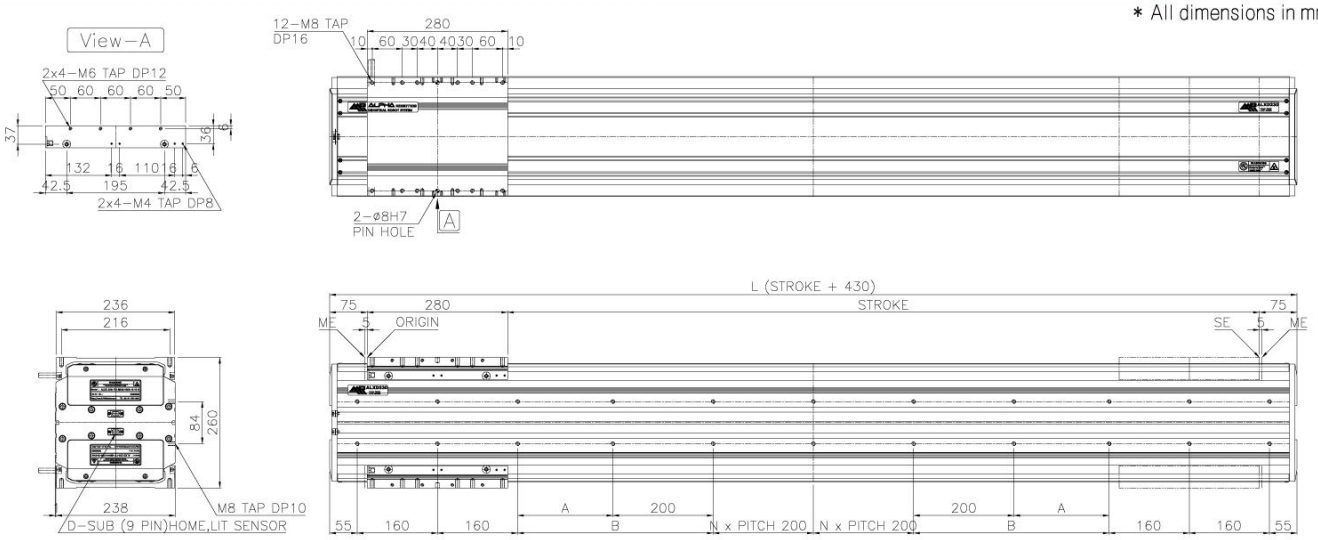
Model / Peak Force							
	ALXD230-1T1 B022 220N	ALXD230-1T2 B022 220N	**ALXD230-1T1 B044 440N**	ALXD230-1T2 B044 440N	ALXD230-1T1 B066 660N	ALXD230-1T2 B066 660N	

Specification	Unit	Data
ALXD230-1T1-B044		**ALXD230-2T1-B044**
		
Rated Force	N	147
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	86	52	36	24
Allowable Overhang Distance - mm	Horizontal Use 	0°	610	970	1200	1200
		45°	590	920	1200	1200
		90°	1200	1200	1200	1200
	Wall Installation Use 	0°	755	1189	1200	1200
		45°	695	1102	1200	1200
		90°	360	574	785	1156
	Note4 Vertical Use 	0°	850	1200	1200	1200
		45°	425	645	860	1200
		90°	855	1200	1200	1200
Note5	Estimated Condition	Max Speed : 2000 mm/sec Life Time : 15000 hr Waiting Time : 0 sec Stroke : 2000 mm				

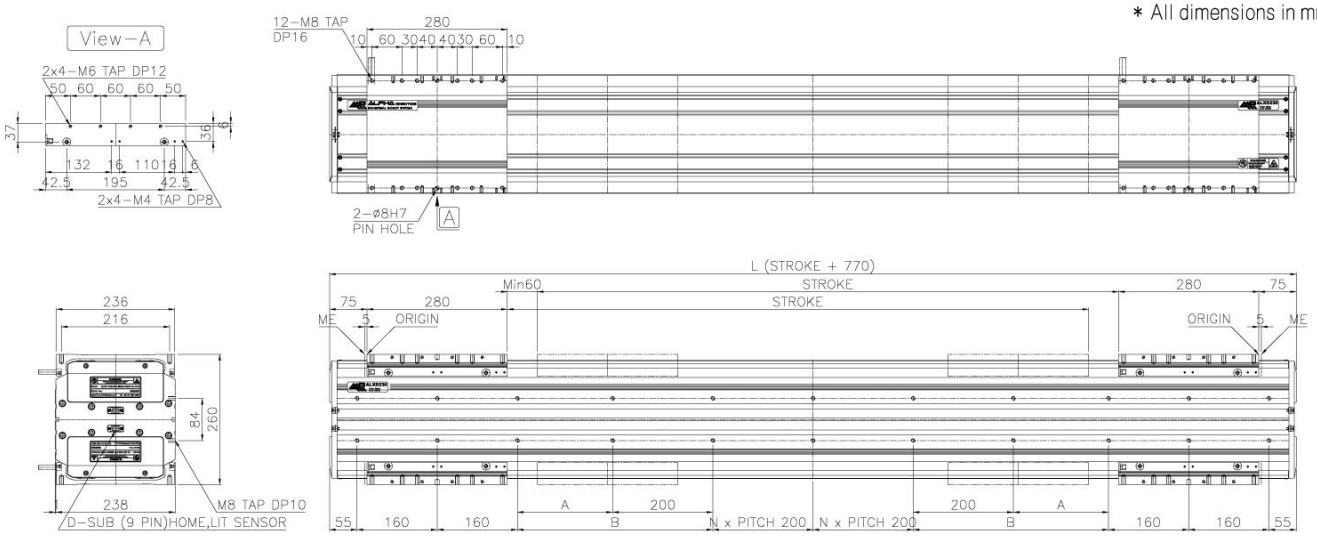
ALXD230-1T1

* All dimensions in mm



ALXD230-2T1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALXD230-1T1-B044	kgf	58.52	76.67	94.82	112.96	149.26	(3.63)
ALXD230-2T1-B044	kgf	88.68	106.83	124.98	143.12	179.42	(3.63)

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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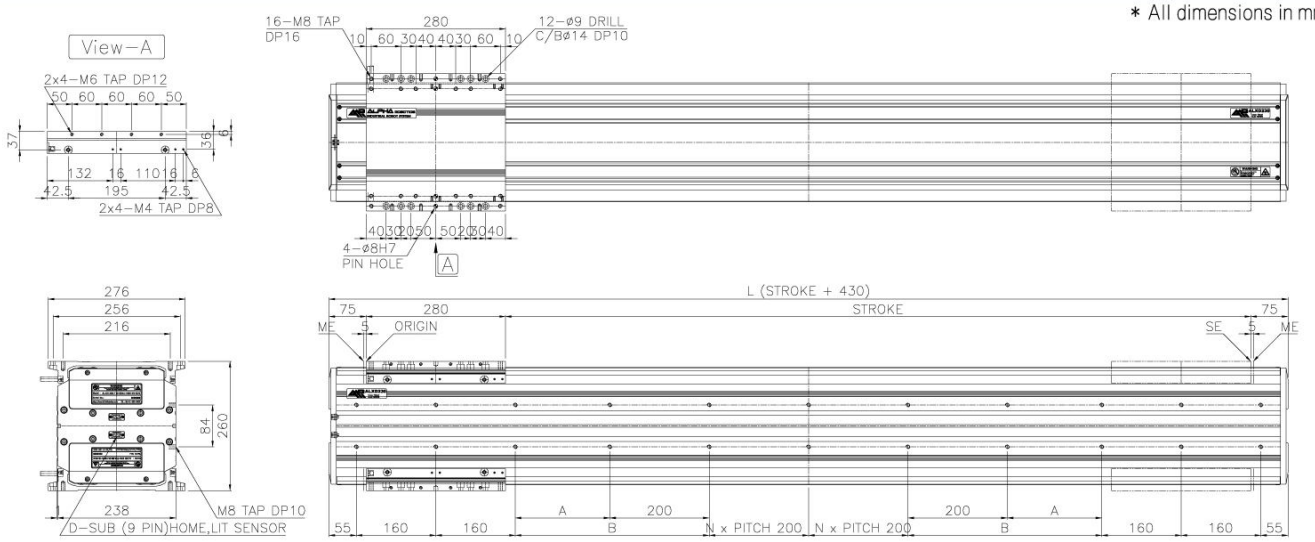
Model / Peak Force	ALXD230-1T1 B022 220N	ALXD230-1T2 B022 220N	ALXD230-1T1 B044 440N	ALXD230-1T2 B044 440N	ALXD230-1T1 B066 660N	ALXD230-1T2 B066 660N

Specification	Unit	Data
ALXD230-1T2-B044		ALXD230-2T2-B044
		
Rated Force	N	147
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	86	52	36	24
Allowable Overhang Distance - mm	Horizontal Use	0°	610	970	1200	1200
		45°	590	920	1200	1200
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	755	1189	1200	1200
		45°	695	1102	1200	1200
		90°	360	574	785	1156
	Note4 Vertical Use	0°	850	1200	1200	1200
		45°	425	645	860	1200
		90°	855	1200	1200	1200
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

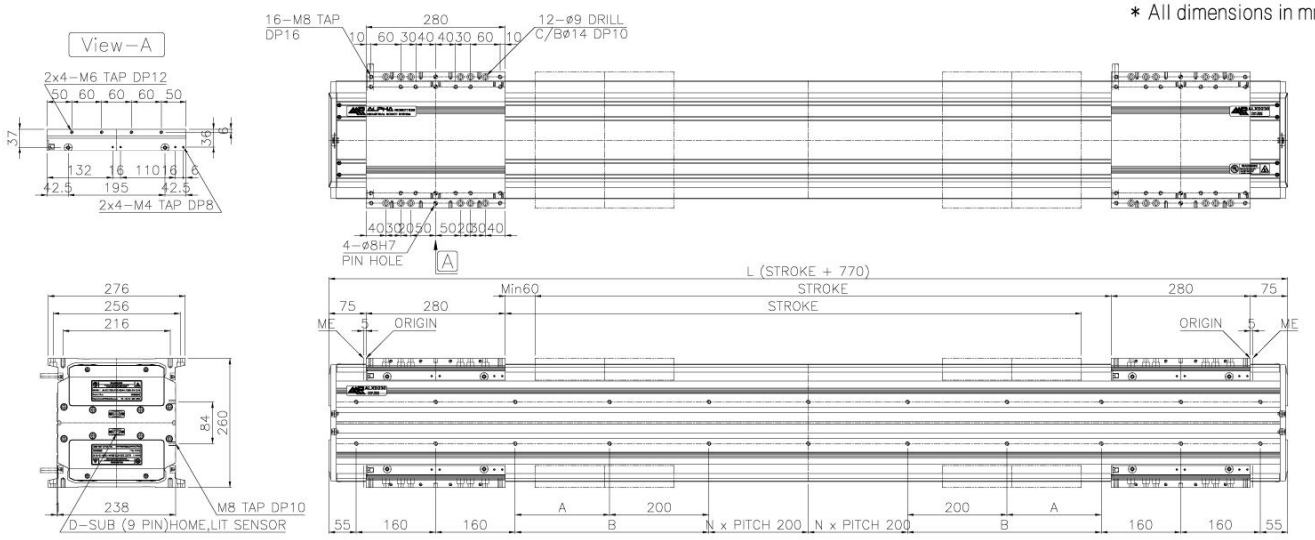
ALXD230-1T2

* All dimensions in mm



ALXD230-2T2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALXD230-1T2-B044	kgf	58.52	76.67	94.82	112.96	149.26	(3.63)
ALXD230-2T2-B044	kgf	88.68	106.83	124.98	143.12	179.42	(3.63)

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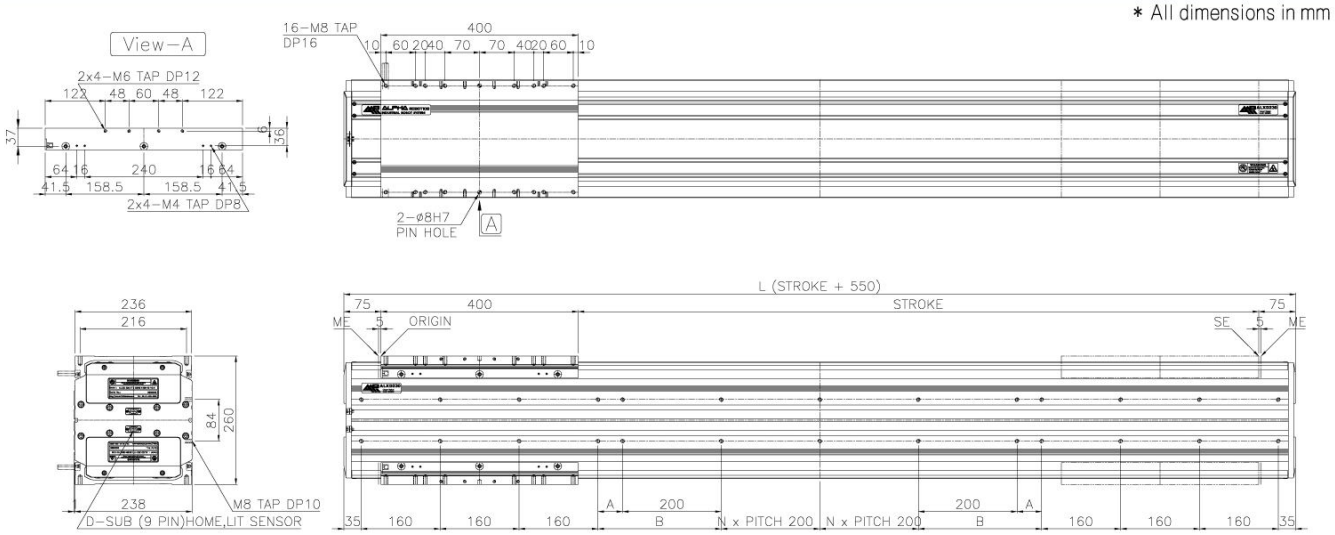
Model / Peak Force	ALXD230-1T1 B022 220N	ALXD230-1T2 B022 220N	ALXD230-1T1 B044 440N	ALXD230-1T2 B044 440N	ALXD230-1T1 B066 660N	ALXD230-1T2 B066 660N		

Specification	Unit	Data
ALXD230-1T1-B066		ALXD230-2T1-B066
		
Rated Force	N	220
Peak Force	N	660
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	129	78	55	36
Allowable Overhang Distance - mm	Horizontal Use	0°	430	700	970	1200
		45°	425	680	935	1200
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	810	1200	1200	1200
		45°	470	755	1054	1200
		90°	300	475	658	975
	Note4 Vertical Use	0°	920	1200	1200	1200
		45°	460	690	920	1200
		90°	920	1200	1200	1200
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

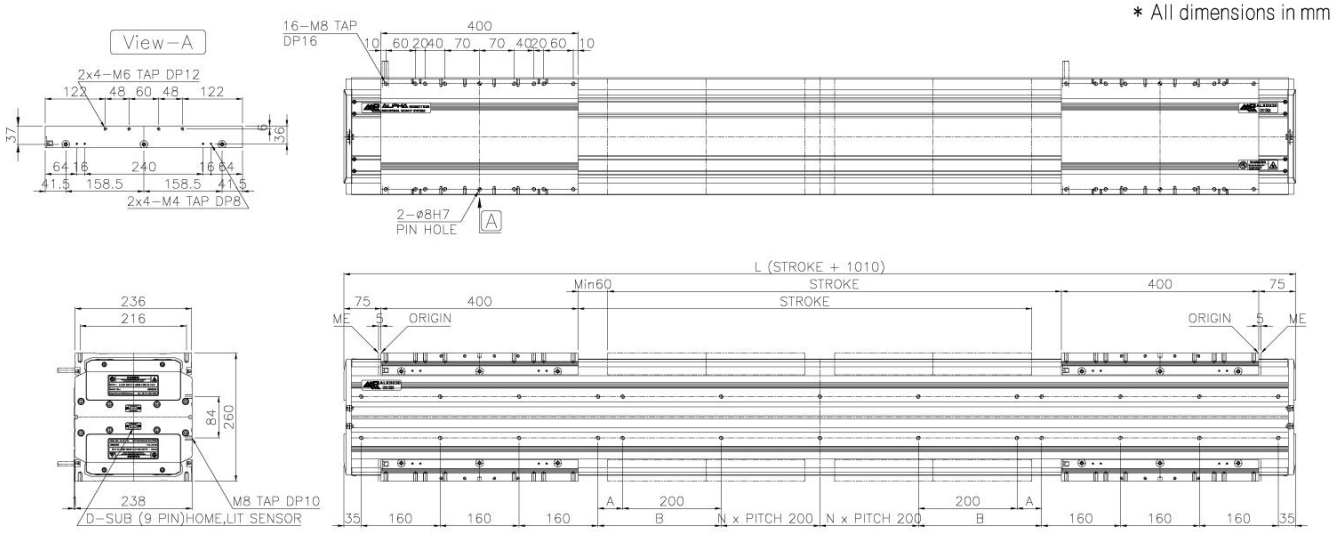
ALXD230-1T1

* All dimensions in mm



ALXD230-2T1

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALXD230-1T1-B066	kgf	70.62	88.76	106.91	125.06	161.35	(3.63)
ALXD230-2T1-B066	kgf	112.87	131.02	149.17	167.31	203.61	(3.63)

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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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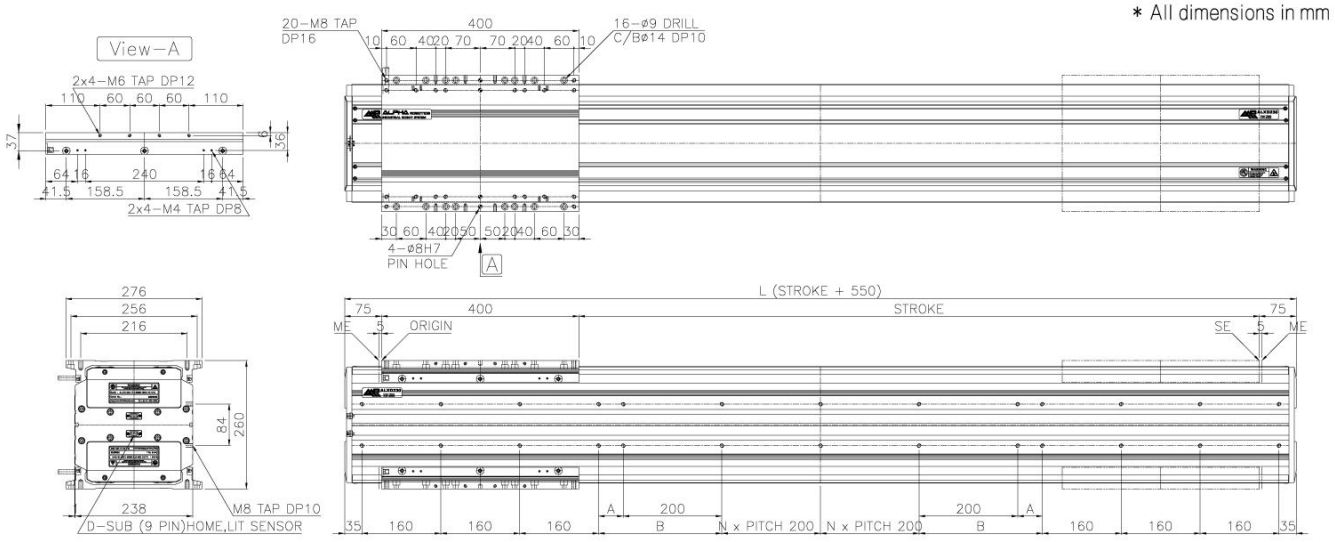
Model / Peak Force	ALXD230-1T1 B022 220N	ALXD230-1T2 B022 220N	ALXD230-1T1 B044 440N	ALXD230-1T2 B044 440N	ALXD230-1T1 B066 660N	ALXD230-1T2 B066 660N

Specification	Unit	Data
ALXD230-1T2-B066		ALXD230-2T2-B066
		
Rated Force	N	220
Peak Force	N	660
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	129	78	55	36
Allowable Overhang Distance - mm	Horizontal Use	0°	430	700	970	1200
		45°	425	680	935	1200
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	810	1200	1200	1200
		45°	470	755	1054	1200
		90°	300	475	658	975
	Note4 Vertical Use	0°	920	1200	1200	1200
		45°	460	690	920	1200
		90°	920	1200	1200	1200
Note5	Estimated Condition	Max Speed : 2000 mm/sec Waiting Time : 0 sec		Life Time : 15000 hr Stroke : 2000 mm		

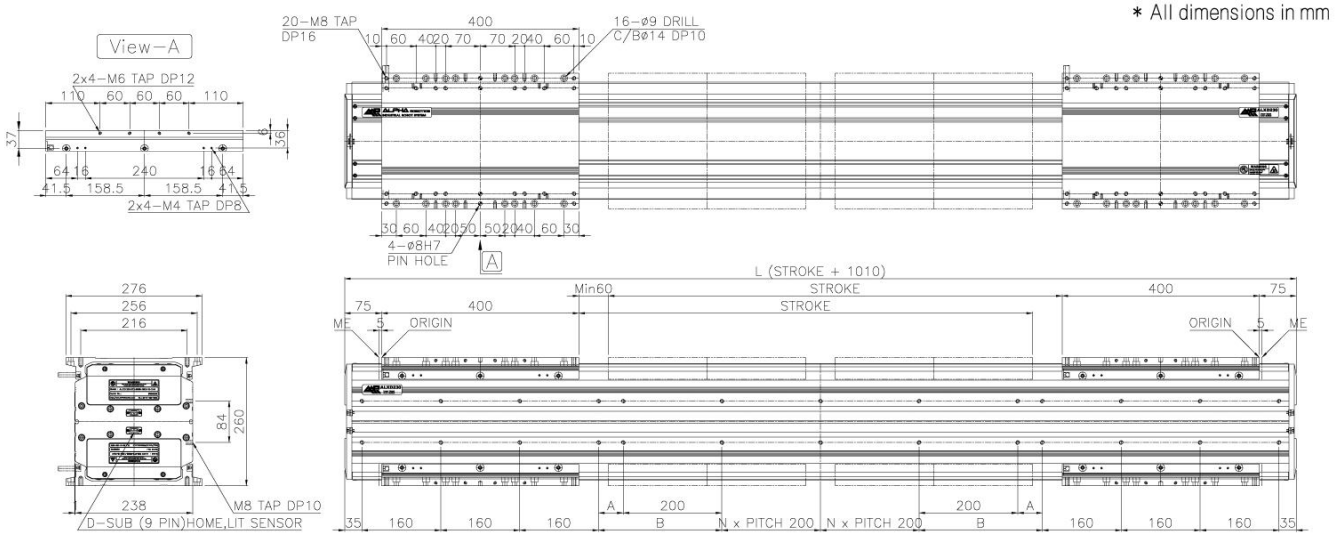
ALXD230-1T2

* All dimensions in mm



ALXD230-2T2

* All dimensions in mm



Model \ Stroke	Units	500	1000	1500	2000	3000	Offset(100)
ALXD230-1T2-B066	kgf	70.62	88.76	106.91	125.06	161.35	(3.63)
ALXD230-2T2-B066	kgf	112.87	131.02	149.17	167.31	203.61	(3.63)

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