ALPHA ROBOTICS

# CORELESS LINEAR ROBOT



# ALXS

## CORELESS LINEAR ROBOT

STD PRO GRAM mm mm/s kg CE




ALXS180-T 60.1

ALXS230-T 61.1

ALXS300-T 62.1

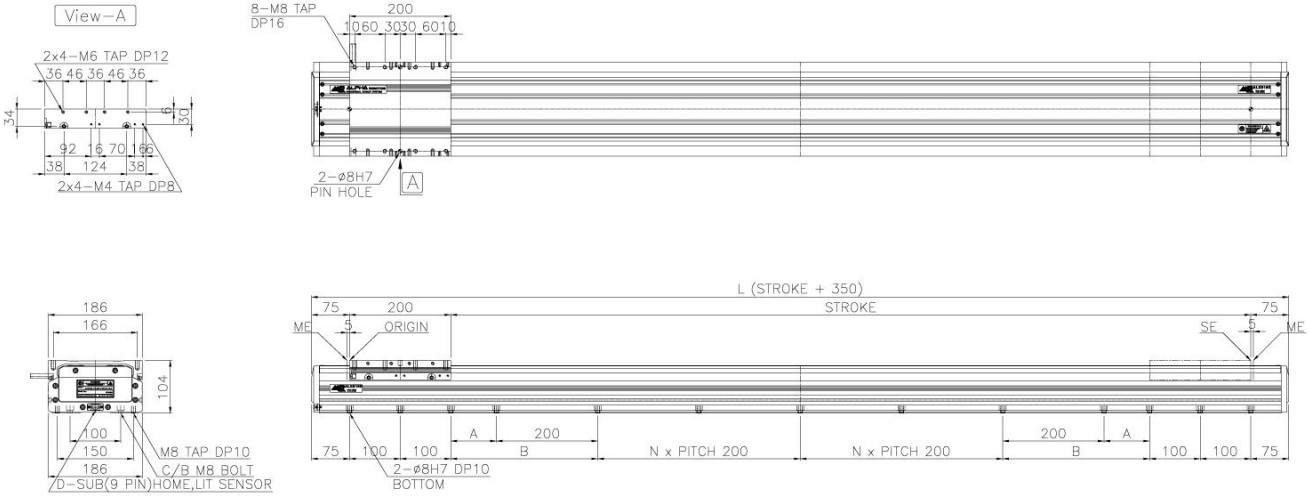
| Model / Peak Force | ALXS180-1T1 B014 140N | ALXS180-1T2 B014 140N | ALXS180-1T3 B014 140N | ALXS180-1T1 B028 280N | ALXS180-1T2 B028 280N | ALXS180-1T3 B028 280N | ALXS180-1T1 B042 420N | ALXS180-1T2 B042 420N | ALXS180-1T3 B042 420N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS180-1T1-B014 | | ALXS180-2T1-B014 |
| Rated Force | N | 47 |
| Peak Force | N | 140 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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<br>Waiting Time : 0 sec | | Life Time : 15000 hr<br>Stroke : 2000 mm | | |

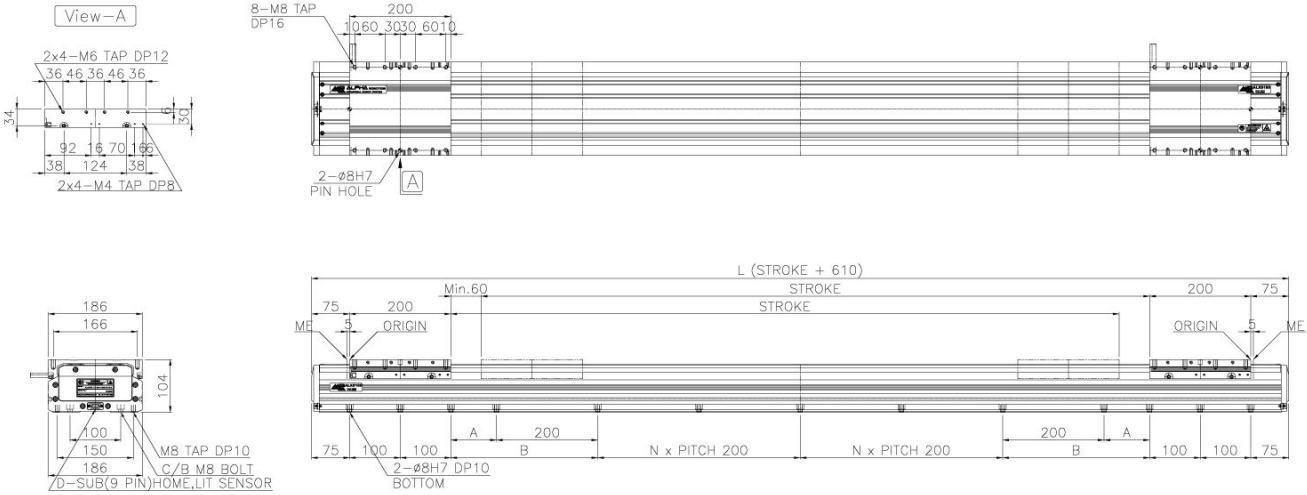
## ALXS180-1T1

* All dimensions in mm




## ALXS180-2T1

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS180-1T1-B014 | kgf | 30.65 | 44.80 | 58.96 | 73.11 | 101.42 | (2.83) |
| ALXS180-2T1-B014 | kgf | 42.73 | 56.89 | 71.04 | 85.19 | 113.50 | (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
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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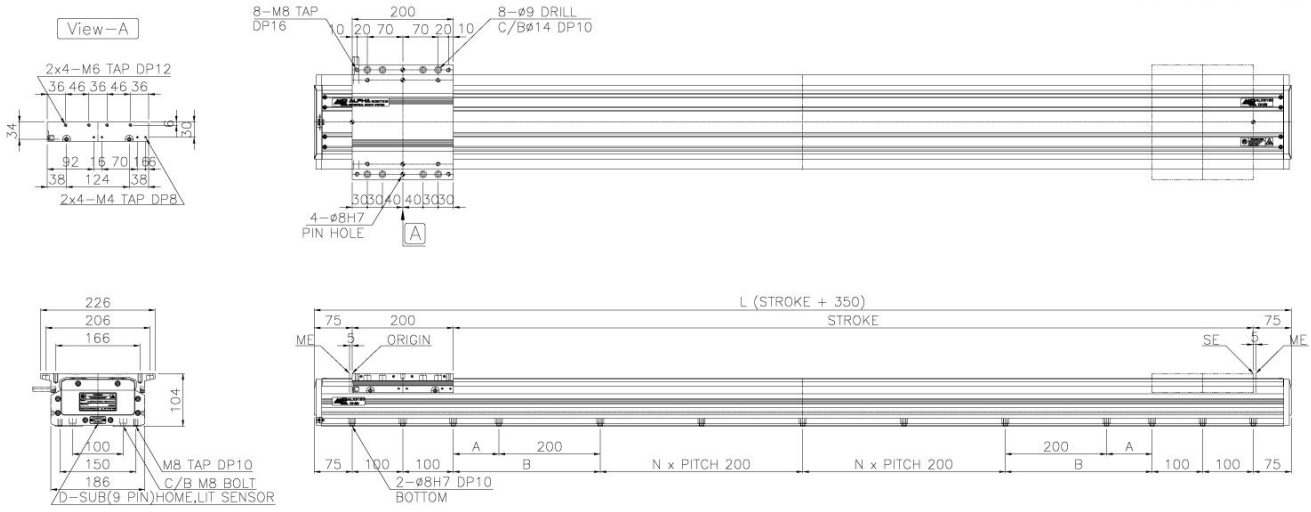
| Model / Peak Force | ALXS180-1T1 B014 140N | ALXS180-1T2 B014 140N | ALXS180-1T3 B014 140N | ALXS180-1T1 B028 280N | ALXS180-1T2 B028 280N | ALXS180-1T3 B028 280N | ALXS180-1T1 B042 420N | ALXS180-1T2 B042 420N | ALXS180-1T3 B042 420N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS180-1T2-B014 | | ALXS180-2T2-B014 |
|  | |  |
| Rated Force | N | 47 |
| Peak Force | N | 140 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | | |

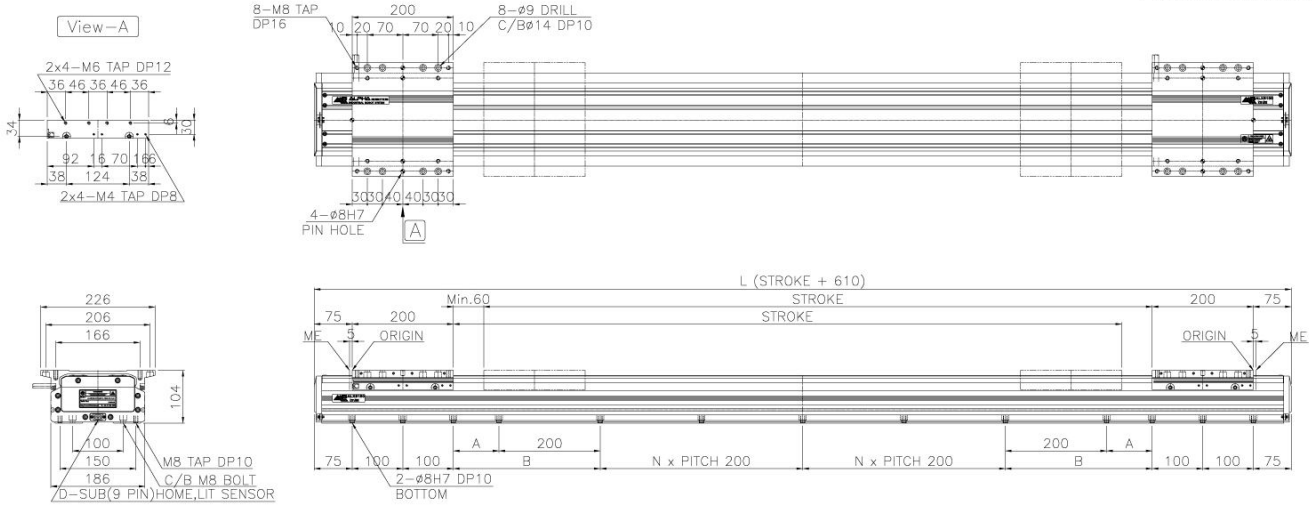
## ALXS180-1T2

* All dimensions in mm




## ALXS180-2T2

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS180-1T2-B014 | kgf | 30.65 | 44.80 | 58.96 | 73.11 | 101.42 | (2.83) |
| ALXS180-2T2-B014 | kgf | 42.73 | 56.89 | 71.04 | 85.19 | 113.50 | (2.83) |

CAUTION

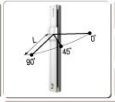
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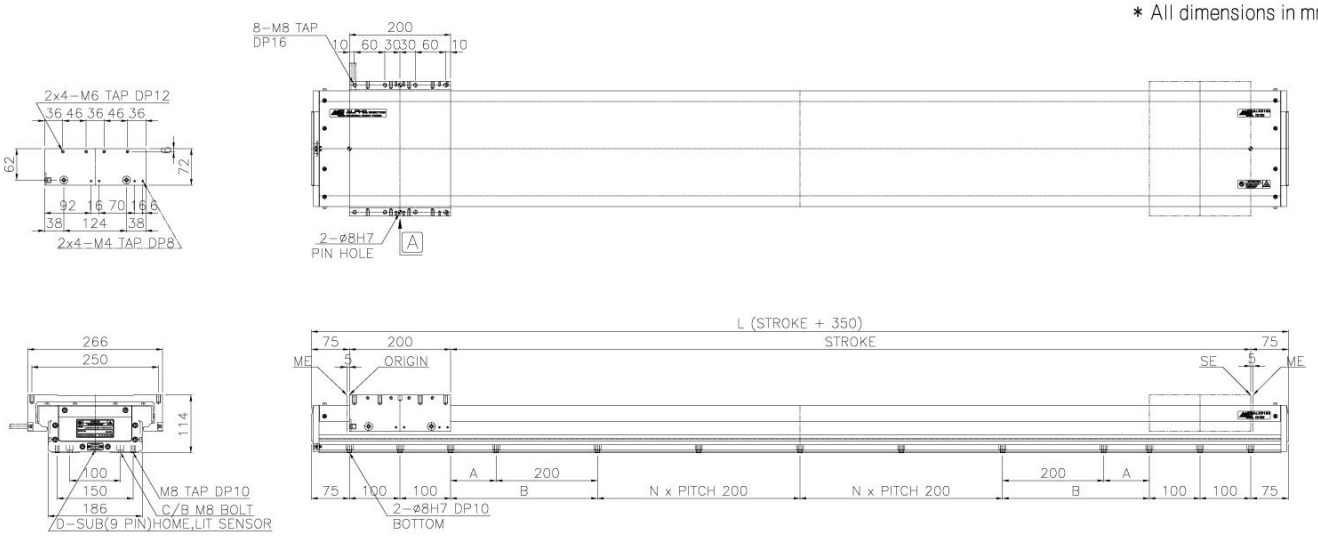
| Model / Peak Force | ALXS180-1T1 B014 140N | ALXS180-1T2 B014 140N | ALXS180-1T3 B014 140N | ALXS180-1T1 B028 280N | ALXS180-1T2 B028 280N | ALXS180-1T3 B028 280N | ALXS180-1T1 B042 420N | ALXS180-1T2 B042 420N | ALXS180-1T3 B042 420N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS180-1T3-B014 | | ALXS180-2T3-B014 |
|  | |  |
| Rated Force | N | 47 |
| Peak Force | N | 140 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | 20 | 10 | 6 | 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° | 832 | 1000 | 1000 | 1000 |
| | Note4 Vertical Use |  | 0° | 1000 | 1000 | 1000 | 1000 |
| | | | 45° | 860 | 1000 | 1000 | 1000 |
| | | | 90° | 1000 | 1000 | 1000 | 1000 |
| Note5 | Estimated Condition | | Max Speed : 2000 mm/sec<br>Waiting Time : 0 sec | | Life Time : 15000 hr<br>Stroke : 2000 mm | | |

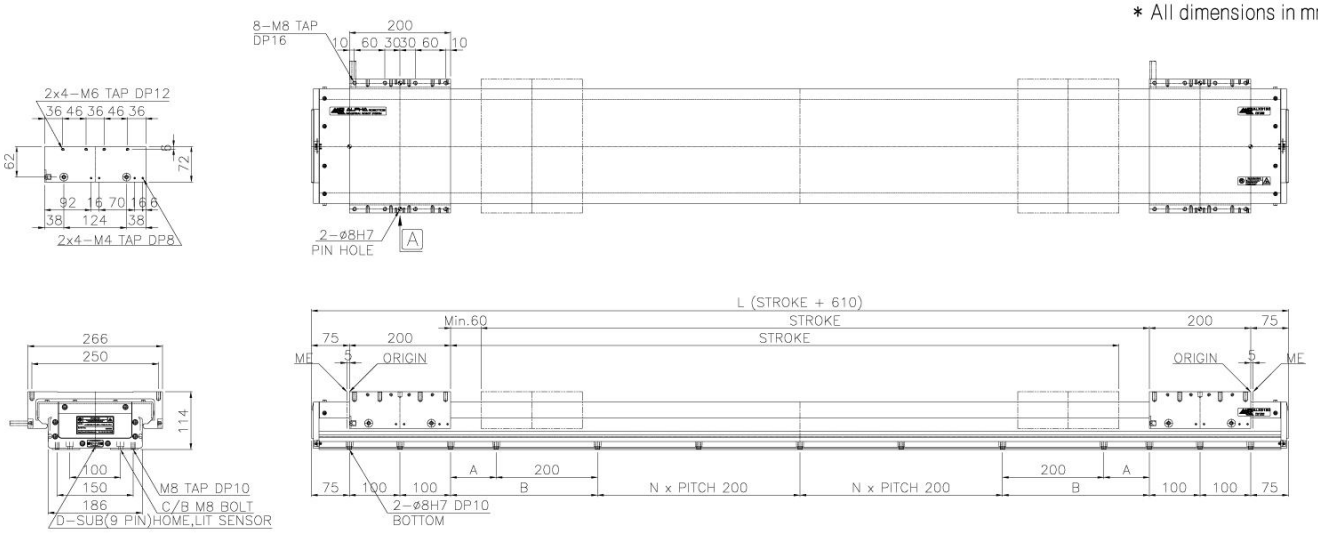
## ALXS180-1T3

* All dimensions in mm




## ALXS180-2T3

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS180-1T3-B014 | kgf | 34.51 | 48.93 | 63.35 | 77.76 | 106.59 | (2.88) |
| ALXS180-2T3-B014 | kgf | 49.61 | 63.77 | 77.92 | 92.07 | 120.38 | (2.83) |

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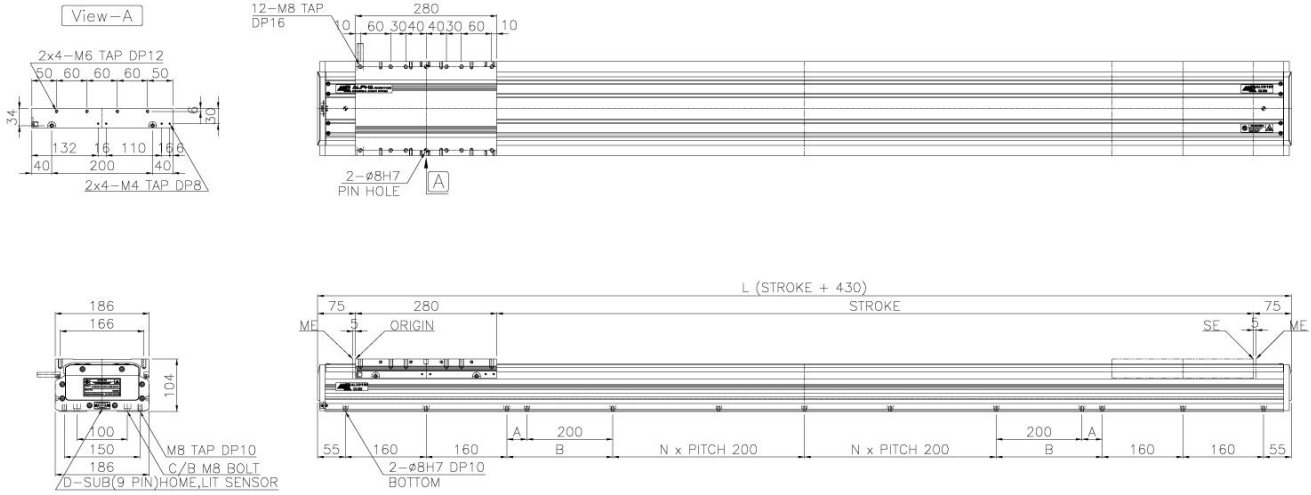
| Model / Peak Force | ALXS180-1T1 B014 140N | ALXS180-1T2 B014 140N | ALXS180-1T3 B014 140N | ALXS180-1T1 B028 280N | ALXS180-1T2 B028 280N | ALXS180-1T3 B028 280N | ALXS180-1T1 B042 420N | ALXS180-1T2 B042 420N | ALXS180-1T3 B042 420N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS180-1T1-B028 | | ALXS180-2T1-B028 |
|  | |  |
| Rated Force | N | 93 |
| Peak Force | N | 280 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 |
| Note5 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<br>Waiting Time : 0 sec | | Life Time : 15000 hr<br>Stroke : 2000 mm | | |

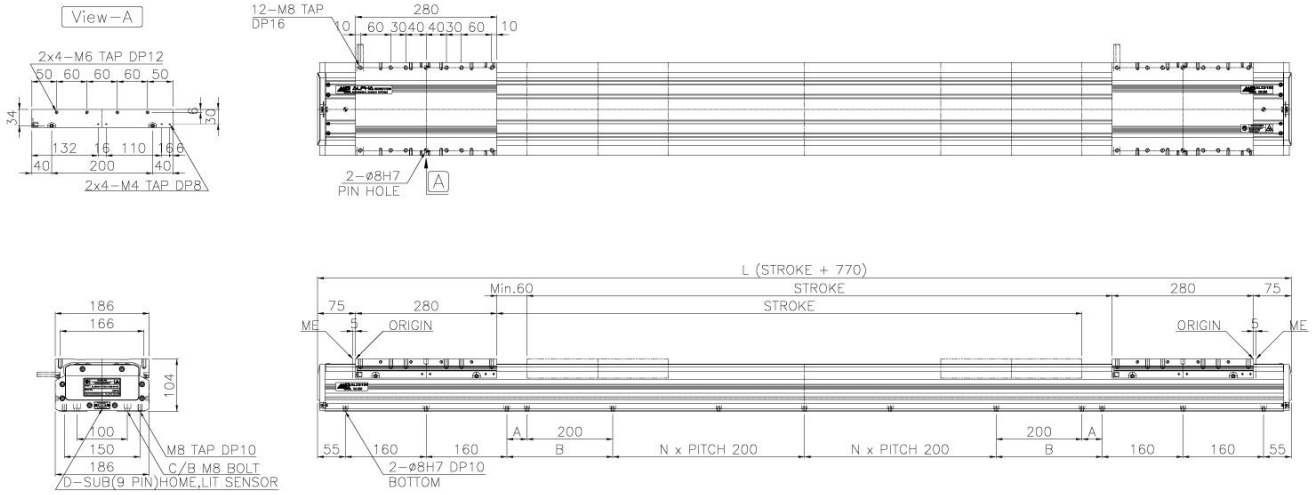
## ALXS180-1T1

* All dimensions in mm




## ALXS180-2T1

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS180-1T1-B028 | kgf | 34.29 | 48.44 | 62.59 | 76.75 | 105.06 | (2.83) |
| ALXS180-2T1-B028 | kgf | 50.00 | 64.15 | 78.31 | 92.46 | 120.77 | (2.83) |

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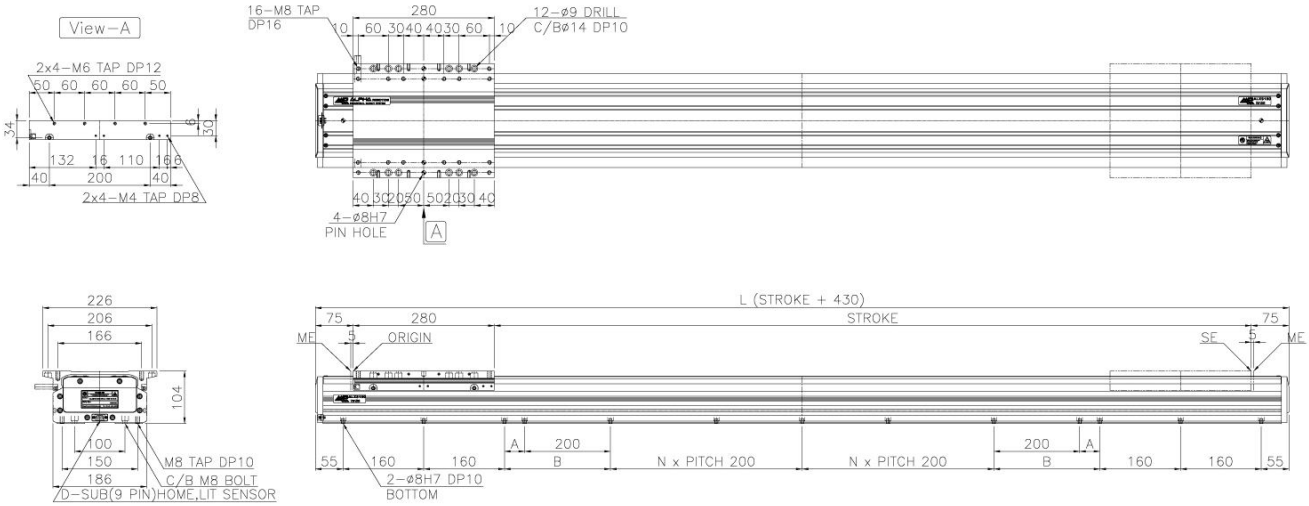
| Model / Peak Force | ALXS180-1T1 B014 140N | ALXS180-1T2 B014 140N | ALXS180-1T3 B014 140N | ALXS180-1T1 B028 280N | ALXS180-1T2 B028 280N | ALXS180-1T3 B028 280N | ALXS180-1T1 B042 420N | ALXS180-1T2 B042 420N | ALXS180-1T3 B042 420N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS180-1T2-B028 | | ALXS180-2T2-B028 |
|  | |  |
| Rated Force | N | 93 |
| Peak Force | N | 280 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | | |

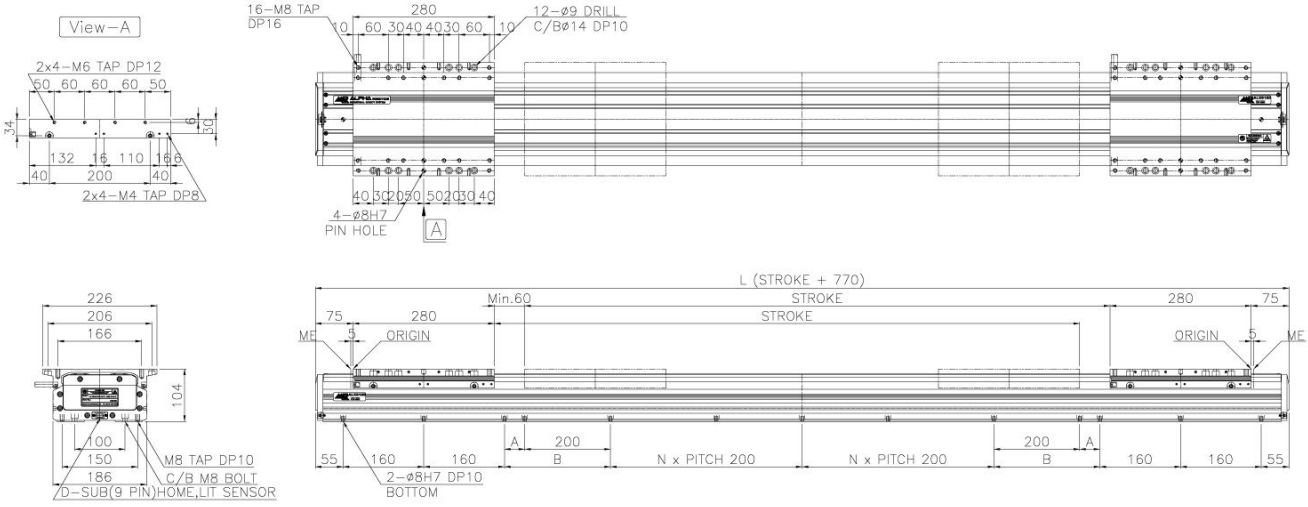
## ALXS180-1T2

* All dimensions in mm




## ALXS180-2T2

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS180-1T2-B028 | kgf | 34.29 | 48.44 | 62.59 | 76.75 | 105.06 | (2.83) |
| ALXS180-2T2-B028 | kgf | 50.00 | 64.15 | 78.31 | 92.46 | 120.77 | (2.83) |

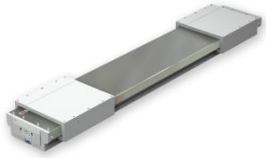
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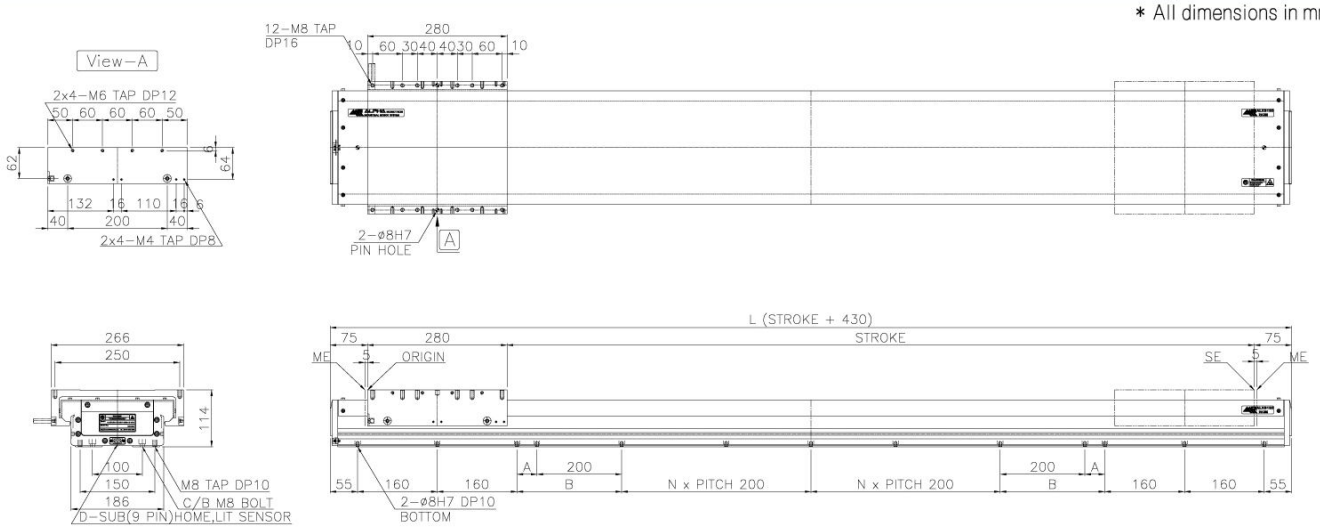
| Model / Peak Force | ALXS180-1T1 B014 140N | ALXS180-1T2 B014 140N | ALXS180-1T3 B014 140N | ALXS180-1T1 B028 280N | ALXS180-1T2 B028 280N | ALXS180-1T3 B028 280N | ALXS180-1T1 B042 420N | ALXS180-1T2 B042 420N | ALXS180-1T3 B042 420N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS180-1T3-B028 | | ALXS180-2T3-B028 |
|  | |  |
| Rated Force | N | 93 |
| Peak Force | N | 280 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | 50 | 29 | 19 | 11 |
| Allowable Overhang Distance - mm | Horizontal Use | 0° | 585 | 995 | 1000 | 1000 |
| | | 45° | 575 | 960 | 1000 | 1000 |
| | | 90° | 1000 | 1000 | 1000 | 1000 |
| | Wall Installation Use | 0° | 975 | 1000 | 1000 | 1000 |
| | | 45° | 640 | 1000 | 1000 | 1000 |
| | | 90° | 386 | 654 | 955 | 1000 |
| | Note4 Vertical Use | 0° | 1000 | 1000 | 1000 | 1000 |
| | | 45° | 550 | 880 | 1000 | 1000 |
| | | 90° | 1000 | 1000 | 1000 | 1000 |
| Note5 | Estimated Condition | Max Speed : 2000 mm/sec<br>Waiting Time : 0 sec | | Life Time : 15000 hr<br>Stroke : 2000 mm | | |

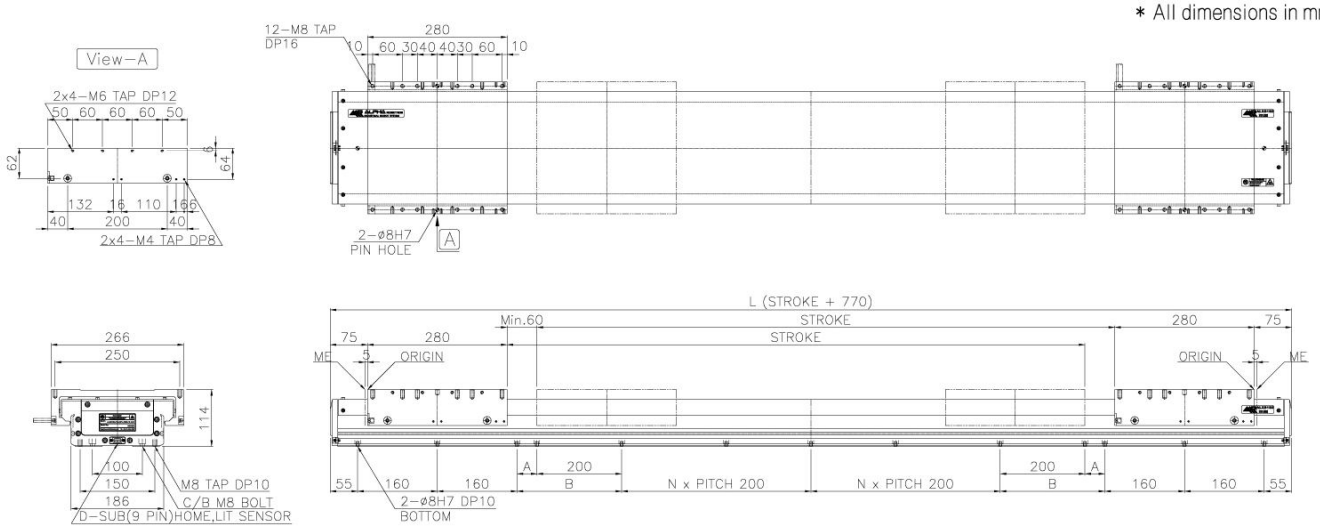
## ALXS180-1T3

* All dimensions in mm




## ALXS180-2T3

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS180-1T3-B028 | kgf | 39.56 | 53.98 | 68.39 | 82.81 | 111.64 | (2.88) |
| ALXS180-2T3-B028 | kgf | 59.62 | 73.77 | 87.93 | 102.08 | 130.39 | (2.83) |

CAUTION

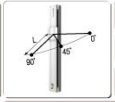
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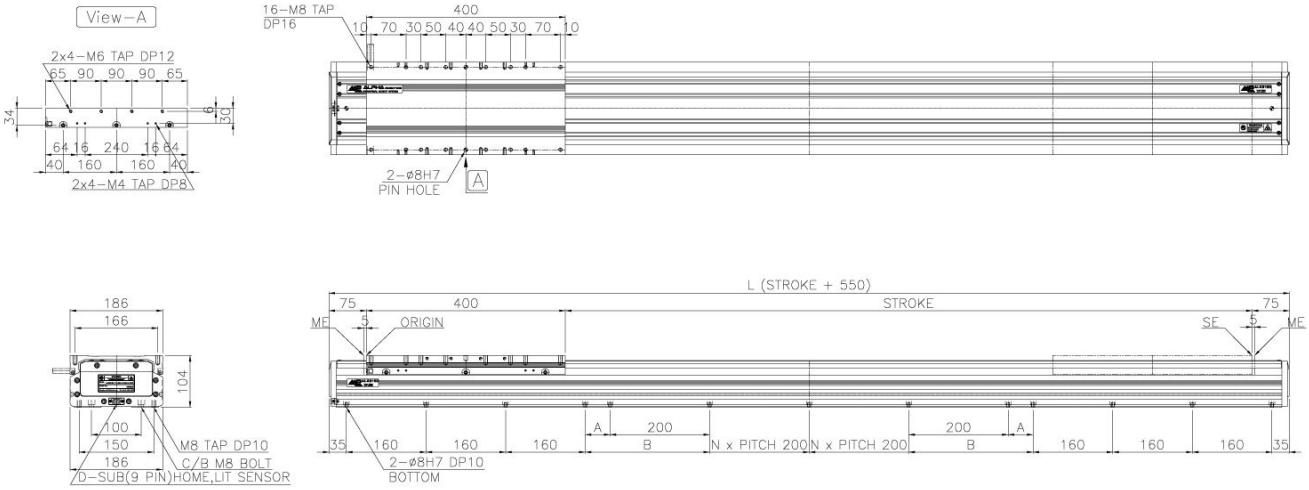
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|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS180-1T1-B042 | | ALXS180-2T1-B042 |
|  | |  |
| Rated Force | N | 140 |
| Peak Force | N | 420 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| Max. Load | kgf | Note3 100 |
| LM Guide | - | NO 20, 2Rail 6Block |

| 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 Life Time : 15000 hr<br>Waiting Time : 0 sec Stroke : 2000 mm | | | | |

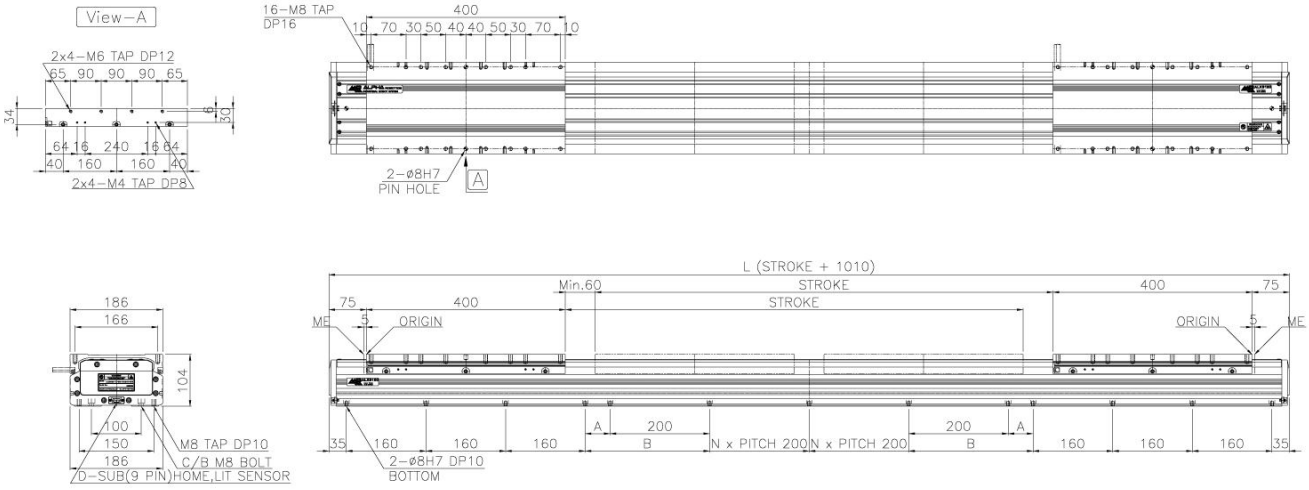
## ALXS180-1T1

* All dimensions in mm




## ALXS180-2T1

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS180-1T1-B042 | kgf | 40.30 | 54.46 | 68.61 | 82.77 | 111.07 | (2.83) |
| ALXS180-2T1-B042 | kgf | 62.03 | 76.19 | 90.34 | 104.50 | 132.81 | (2.83) |

CAUTION

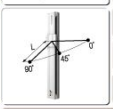
Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

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.

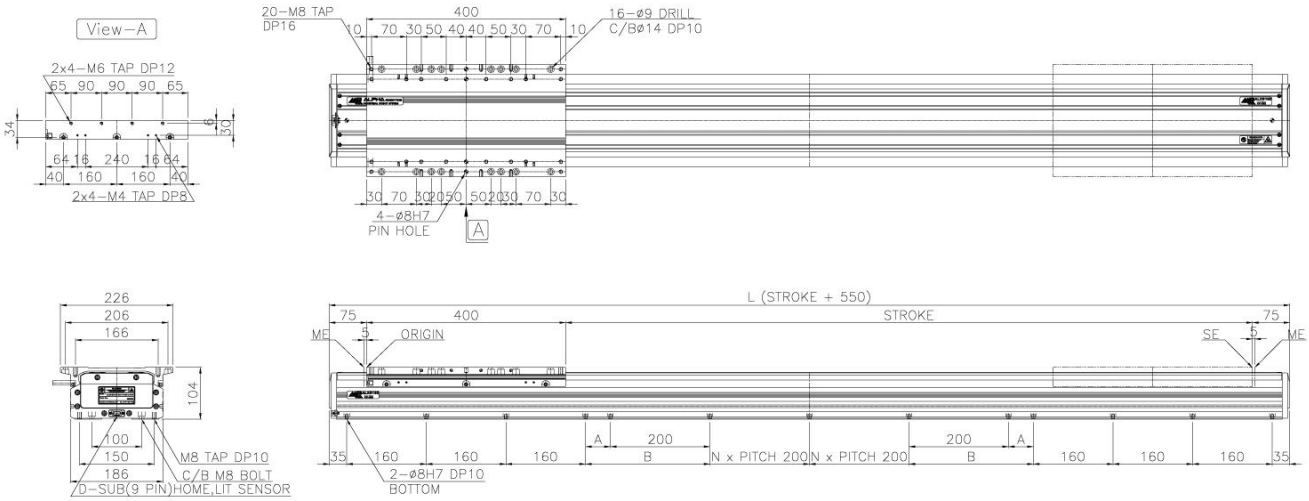
| Model Peak Force | ALXS180-1T1 B014 140N | ALXS180-1T2 B014 140N | ALXS180-1T3 B014 140N | ALXS180-1T1 B028 280N | ALXS180-1T2 B028 280N | ALXS180-1T3 B028 280N | ALXS180-1T1 B042 420N | ALXS180-1T2 B042 420N | ALXS180-1T3 B042 420N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS180-1T2-B042 | | ALXS180-2T2-B042 |
|  | |  |
| Rated Force | N | 140 |
| Peak Force | N | 420 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| Max. Load | kgf | Note3 100 |
| LM Guide | - | NO 20, 2Rail 6Block |

| 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<br>Waiting Time : 0 sec | | Life Time : 15000 hr<br>Stroke : 2000 mm | | |

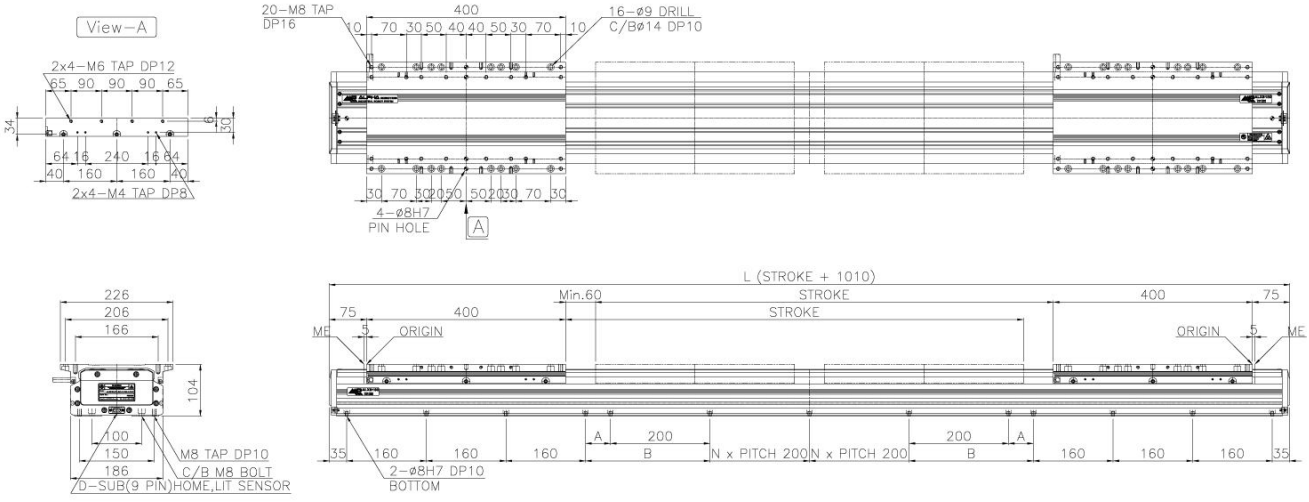
## ALXS180-1T2

* All dimensions in mm




## ALXS180-2T2

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS180-1T2-B042 | kgf | 40.30 | 54.46 | 68.61 | 82.77 | 111.07 | (2.83) |
| ALXS180-2T2-B042 | kgf | 62.03 | 76.19 | 90.34 | 104.50 | 132.81 | (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
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.

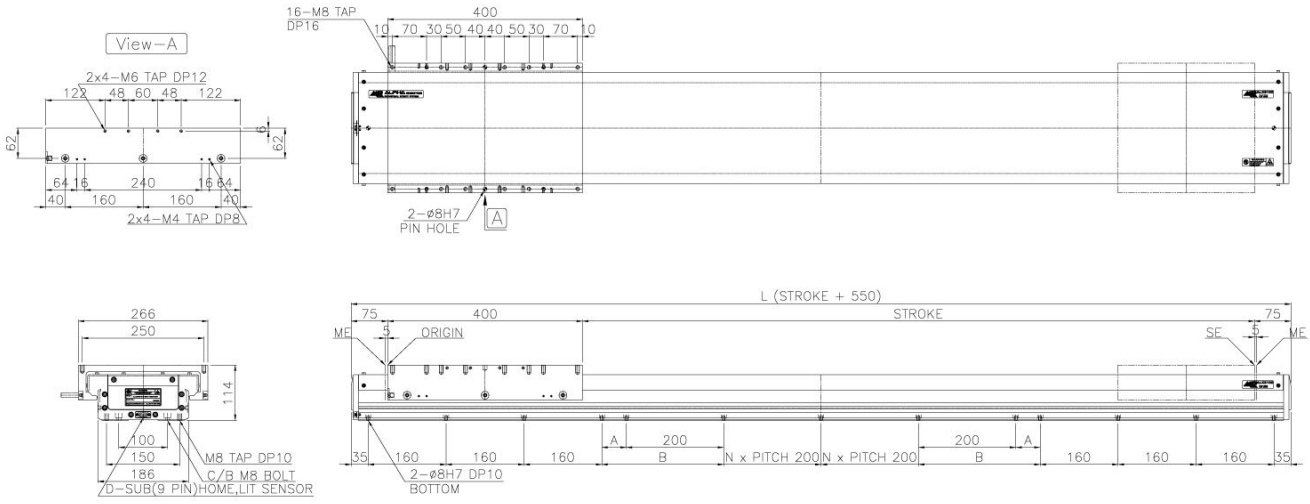
| Model / Peak Force | ALXS180-1T1 B014 140N | ALXS180-1T2 B014 140N | ALXS180-1T3 B014 140N | ALXS180-1T1 B028 280N | ALXS180-1T2 B028 280N | ALXS180-1T3 B028 280N | ALXS180-1T1 B042 420N | ALXS180-1T2 B042 420N | ALXS180-1T3 B042 420N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS180-1T3-B042 | | ALXS180-2T3-B042 |
| Rated Force | N | 140 |
| Peak Force | N | 420 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| Max. Load | kgf | Note3 100 |
| LM Guide | - | NO 20, 2Rail 6Block |

| Specification | | Unit | Data | | | |
|---|---|---|---|---|---|---|
| Acceleration | | G | 0.3 | 0.5 | 0.7 | 1.0 |
| Load | | kgf | 76 | 44 | 29 | 17 |
| Allowable Overhang Distance - mm | Horizontal Use | 0° | 405 | 690 | 1000 | 1000 |
| | | 45° | 400 | 680 | 990 | 1000 |
| | | 90° | 1000 | 1000 | 1000 | 1000 |
| | Wall Installation Use | 0° | 1000 | 1000 | 1000 | 1000 |
| | | 45° | 425 | 723 | 1000 | 1000 |
| | | 90° | 300 | 504 | 745 | 1000 |
| | Note4 Vertical Use | 0° | 1000 | 1000 | 1000 | 1000 |
| | | 45° | 570 | 910 | 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 | | |

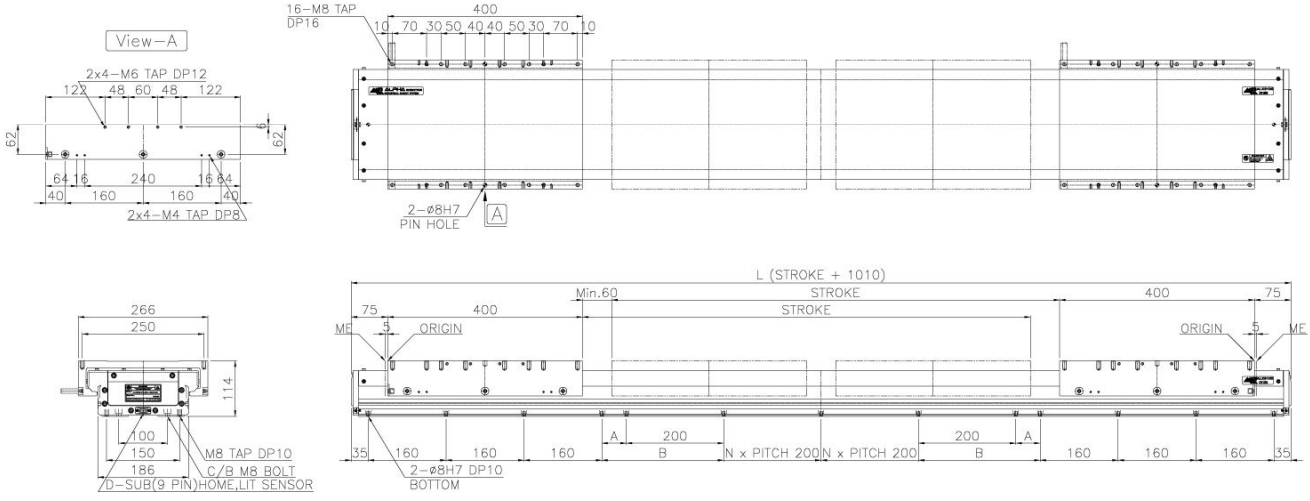
## ALXS180-1T3

* All dimensions in mm




## ALXS180-2T3

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS180-1T3-B042 | kgf | 47.71 | 62.13 | 76.54 | 90.96 | 119.79 | (2.88) |
| ALXS180-2T3-B042 | kgf | 75.79 | 89.95 | 104.10 | 118.26 | 146.57 | (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
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.

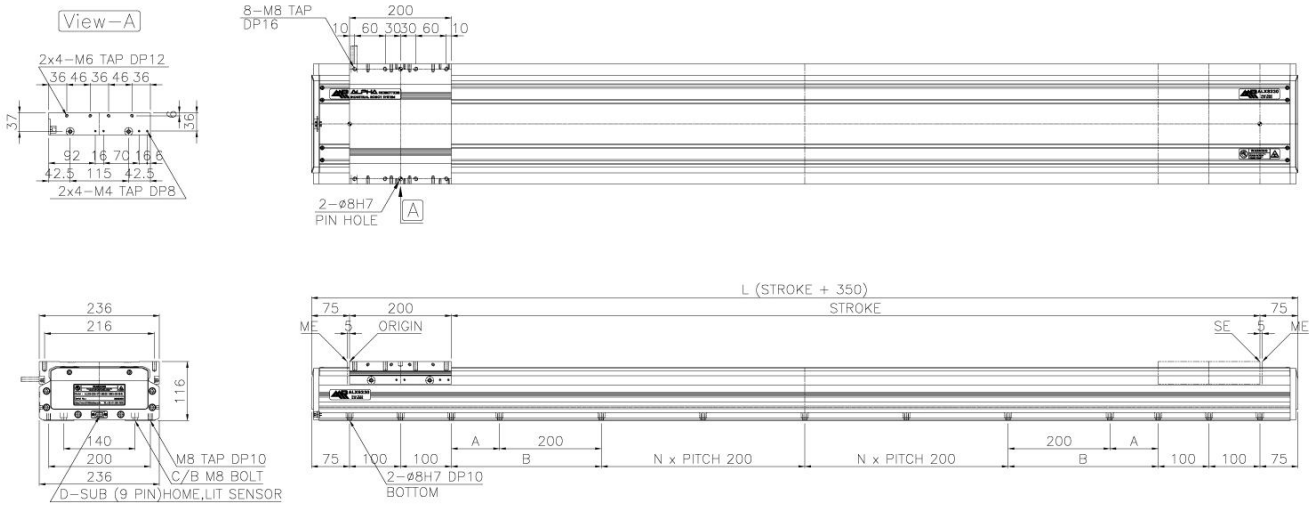
| Model / Peak Force | ALXS230-1T1 B022 220N | ALXS230-1T2 B022 220N | ALXS230-1T3 B022 220N | ALXS230-1T1 B044 440N | ALXS230-1T2 B044 440N | ALXS230-1T3 B044 440N | ALXS230-1T1 B066 660N | ALXS230-1T2 B066 660N | ALXS230-1T3 B066 660N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS230-1T1-B022 | | ALXS230-2T1-B022 |
|  | |  |
| Rated Force | N | 73 |
| Peak Force | N | 220 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 Waiting Time : 0 sec | | Life Time : 15000 hr Stroke : 2000 mm | | |

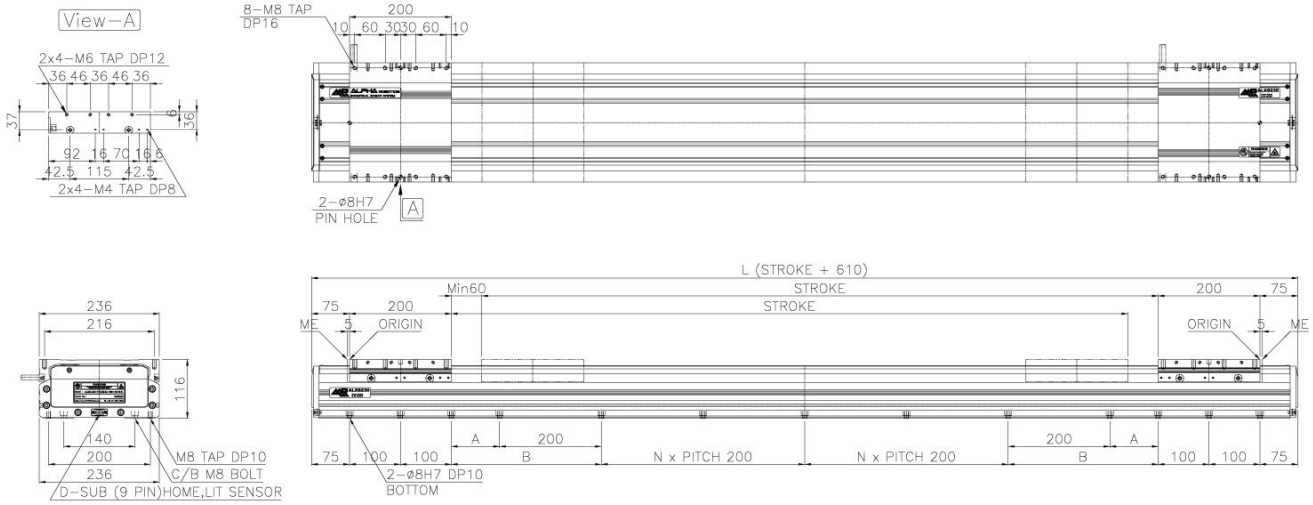
## ALXS230-1T1

* All dimensions in mm




## ALXS230-2T1

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS230-1T1-B022 | kgf | 40.54 | 58.69 | 76.83 | 94.98 | 131.27 | (3.63) |
| ALXS230-2T1-B022 | kgf | 56.91 | 75.06 | 93.21 | 111.36 | 147.65 | (3.63) |

CAUTION

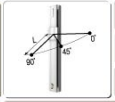
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ME : Mechanical End
SE : Stroke End

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.

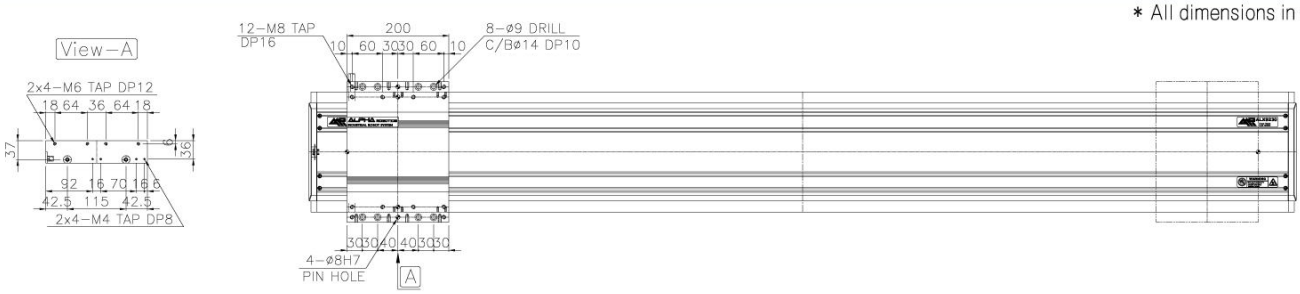
| Model / Peak Force | ALXS230-1T1 B022 220N | ALXS230-1T2 B022 220N | ALXS230-1T3 B022 220N | ALXS230-1T1 B044 440N | ALXS230-1T2 B044 440N | ALXS230-1T3 B044 440N | ALXS230-1T1 B066 660N | ALXS230-1T2 B066 660N | ALXS230-1T3 B066 660N |
|---|---|---|---|---|---|---|---|---|---|

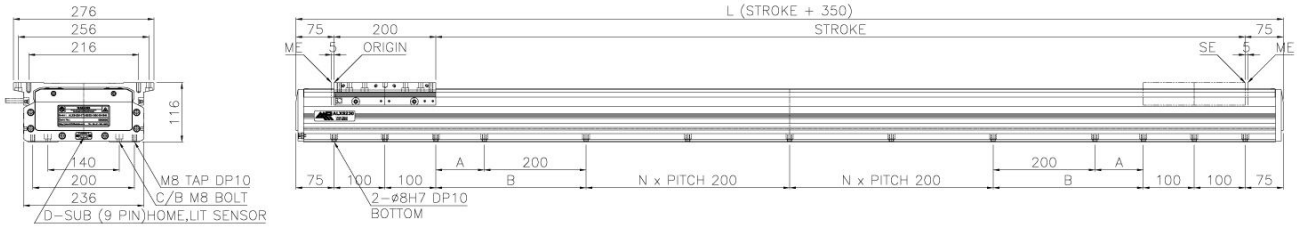
| Specification | Unit | Data |
|---|---|---|
| ALXS230-1T2-B022 | | ALXS230-2T2-B022 |
|  | |  |
| Rated Force | N | 73 |
| Peak Force | N | 220 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| Max. Load | kgf | Note3 140 |
| LM Guide | - | NO 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<br>Waiting Time : 0 sec | | Life Time : 15000 hr<br>Stroke : 2000 mm | |

## ALXS230-1T2

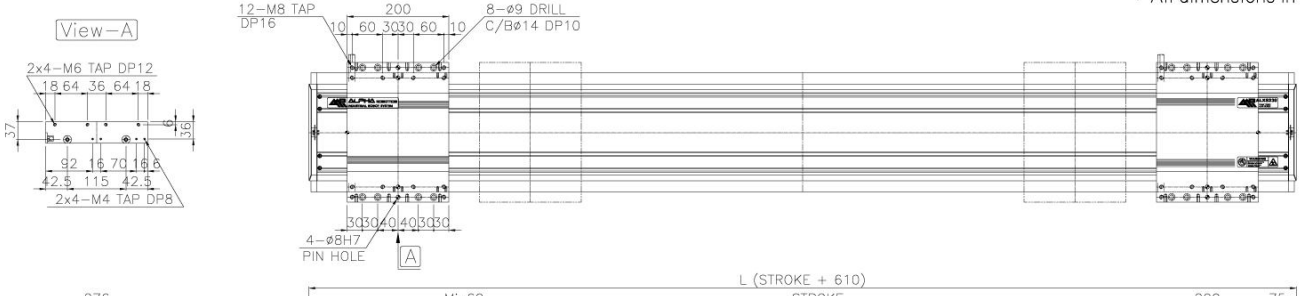
* All dimensions in mm

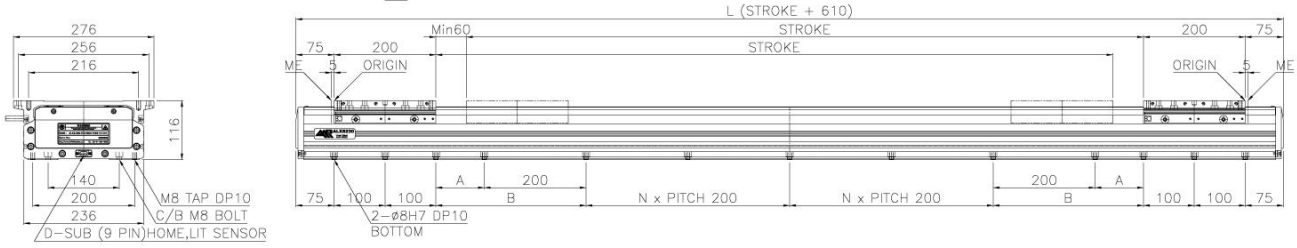



## ALXS230-2T2

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS230-1T2-B022 | kgf | 40.54 | 58.69 | 76.83 | 94.98 | 131.27 | (3.63) |
| ALXS230-2T2-B022 | kgf | 56.91 | 75.06 | 93.21 | 111.36 | 147.65 | (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

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.

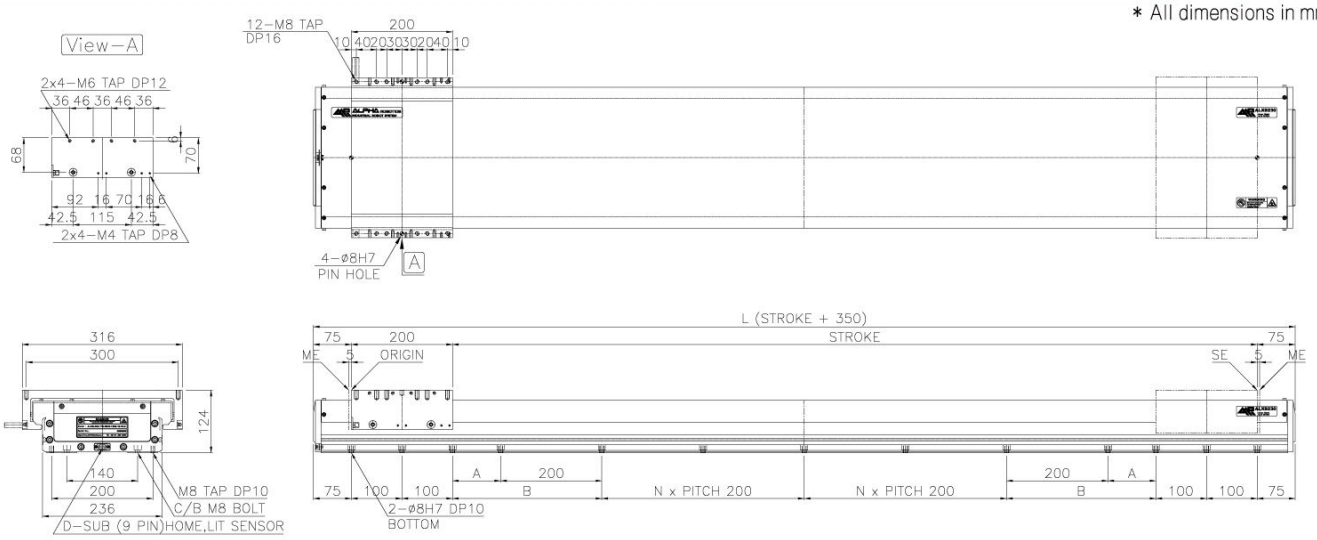
| Model / Peak Force | ALXS230-1T1 B022 220N | ALXS230-1T2 B022 220N | ALXS230-1T3 B022 220N | ALXS230-1T1 B044 440N | ALXS230-1T2 B044 440N | ALXS230-1T3 B044 440N | ALXS230-1T1 B066 660N | ALXS230-1T2 B066 660N | ALXS230-1T3 B066 660N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS230-1T3-B022 | | ALXS230-2T3-B022 |
|  | |  |
| Rated Force | N | 73 |
| Peak Force | N | 220 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | 34 | 19 | 12 | 7 |
| 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° | 710 | 1168 | 1200 | 1200 |
| | Note4 Vertical Use | 0° | 1200 | 1200 | 1200 | 1200 |
| | | 45° | 630 | 1030 | 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 | | |

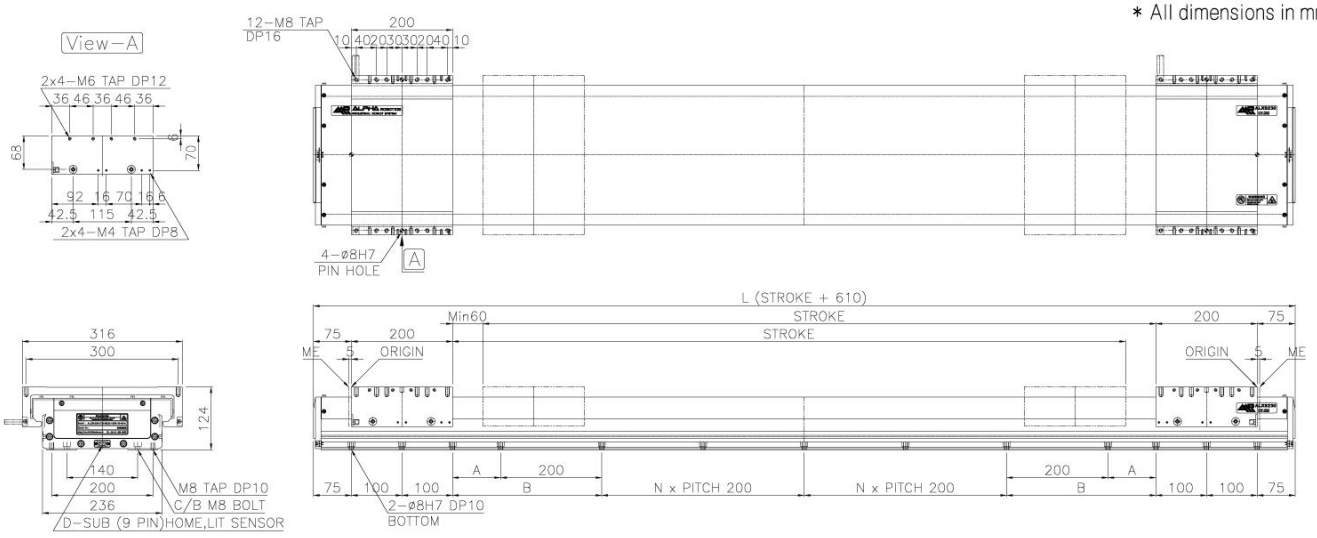
## ALXS230-1T3

* All dimensions in mm




## ALXS230-2T3

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS230-1T3-B022 | kgf | 43.11 | 61.53 | 79.96 | 98.38 | 135.23 | (3.69) |
| ALXS230-2T3-B022 | kgf | 61.75 | 80.17 | 98.60 | 117.02 | 153.87 | (3.69) |

CAUTION

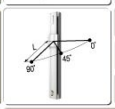
Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
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Apply 'B' value, in case of 'A' value is below of 80

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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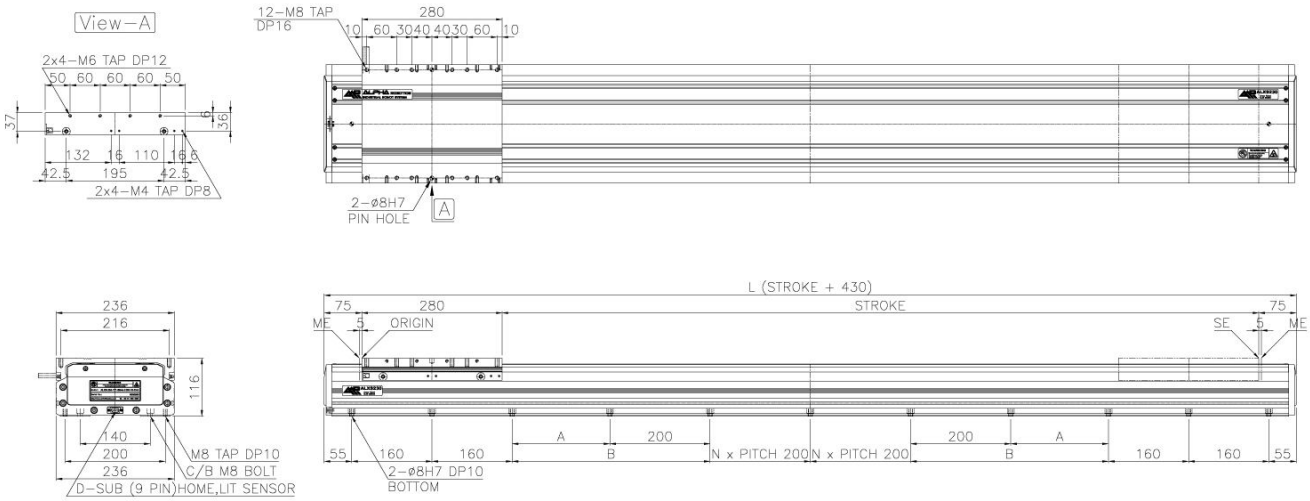
| Model / Peak Force | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | ALXS230-1T1 B022 220N | ALXS230-1T2 B022 220N | ALXS230-1T3 B022 220N | **ALXS230-1T1 B044 440N** | ALXS230-1T2 B044 440N | ALXS230-1T3 B044 440N | ALXS230-1T1 B066 660N | ALXS230-1T2 B066 660N | ALXS230-1T3 B066 660N |

| Specification | Unit | Data |
|---|---|---|
| ALXS230-1T1-B044  | | ALXS230-2T1-B044  |
| Rated Force | N | 147 |
| Peak Force | N | 440 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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<br>Waiting Time : 0 sec Stroke : 2000 mm | | | |

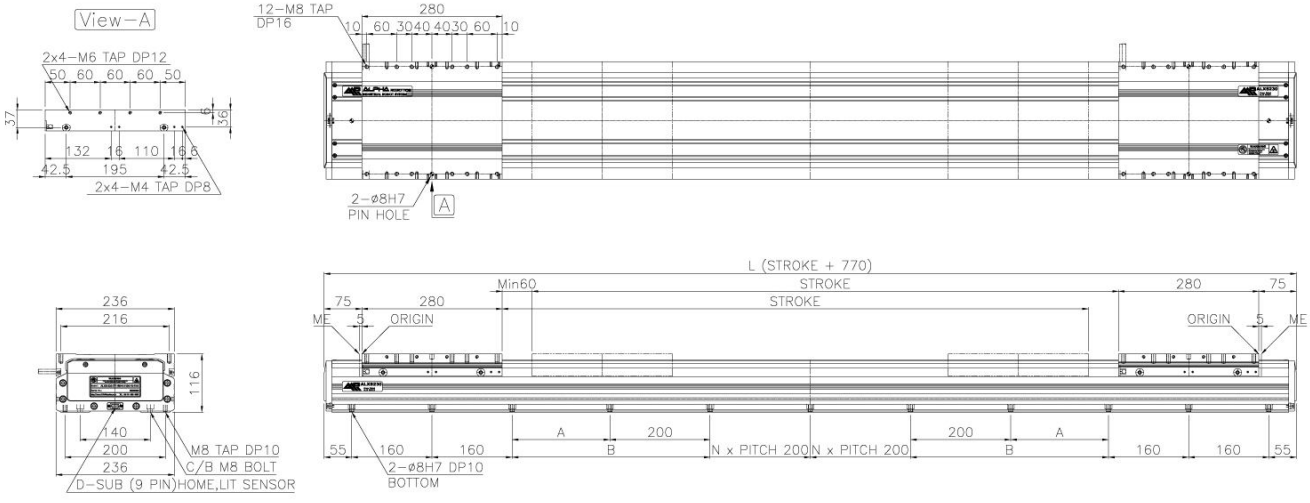
## ALXS230-1T1

* All dimensions in mm




## ALXS230-2T1

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS230-1T1-B044 | kgf | 45.41 | 63.56 | 81.71 | 99.85 | 136.15 | (3.63) |
| ALXS230-2T1-B044 | kgf | 66.66 | 84.81 | 102.96 | 121.10 | 157.40 | (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

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.
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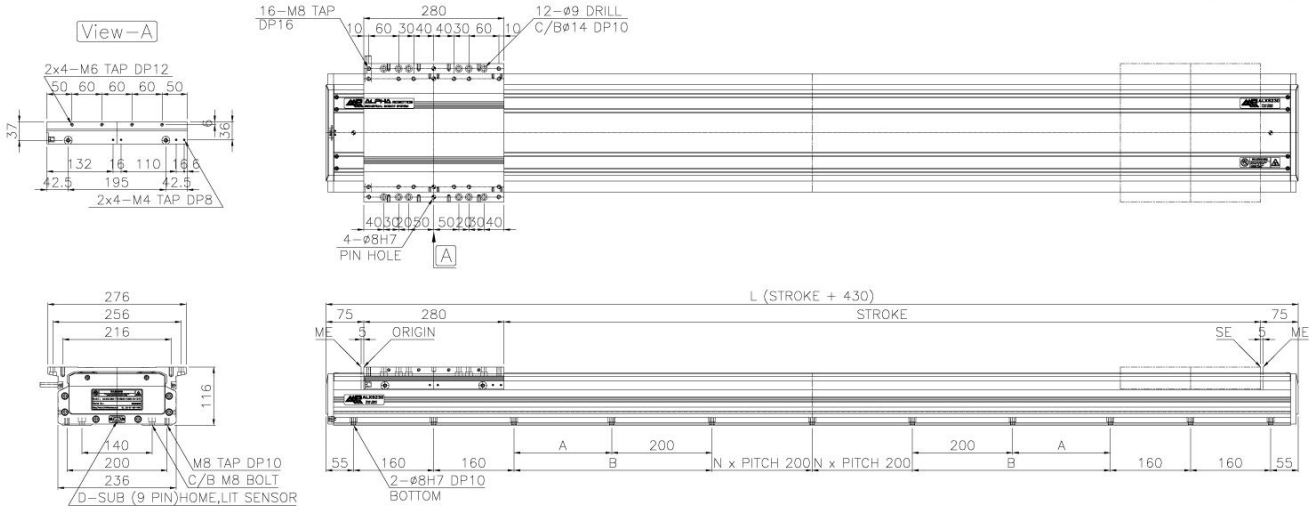
| Model Peak Force | ALXS230-1T1 B022 220N | ALXS230-1T2 B022 220N | ALXS230-1T3 B022 220N | ALXS230-1T1 B044 440N | ALXS230-1T2 B044 440N | ALXS230-1T3 B044 440N | ALXS230-1T1 B066 660N | ALXS230-1T2 B066 660N | ALXS230-1T3 B066 660N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS230-1T2-B044 | | ALXS230-2T2-B044 |
|  | |  |
| Rated Force | N | 147 |
| Peak Force | N | 440 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | | |

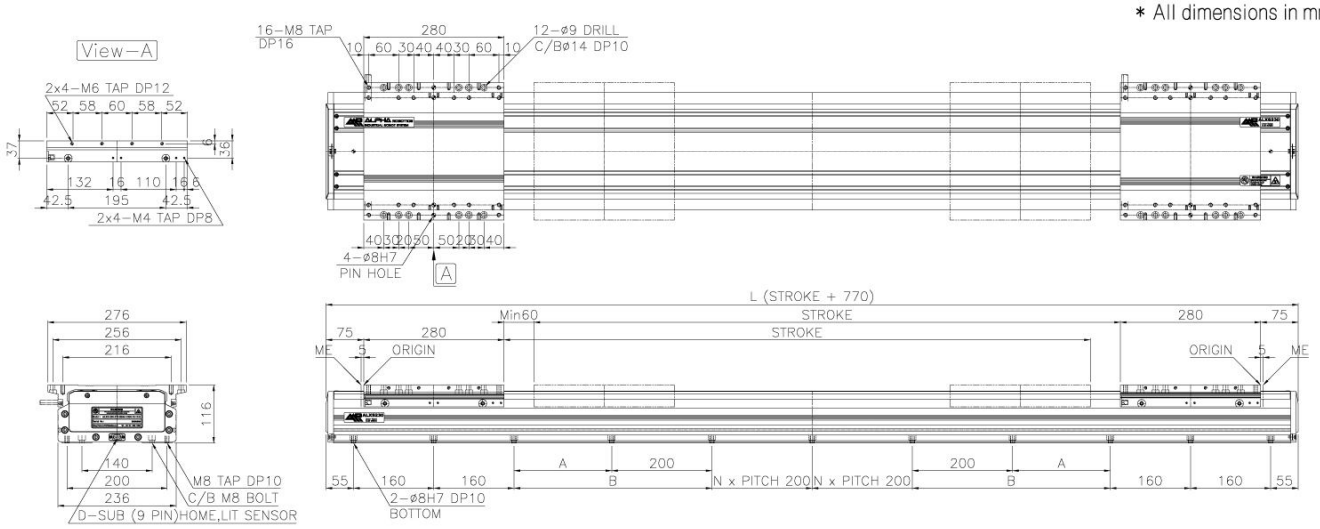
## ALXS230-1T2

* All dimensions in mm




## ALXS230-2T2

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS230-1T2-B044 | kgf | 45.41 | 63.56 | 81.71 | 99.85 | 136.15 | (3.63) |
| ALXS230-2T2-B044 | kgf | 66.66 | 84.81 | 102.96 | 121.10 | 157.40 | (3.63) |

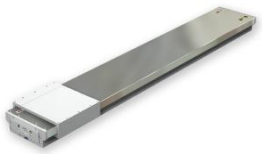
CAUTION

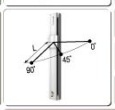
Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

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

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.

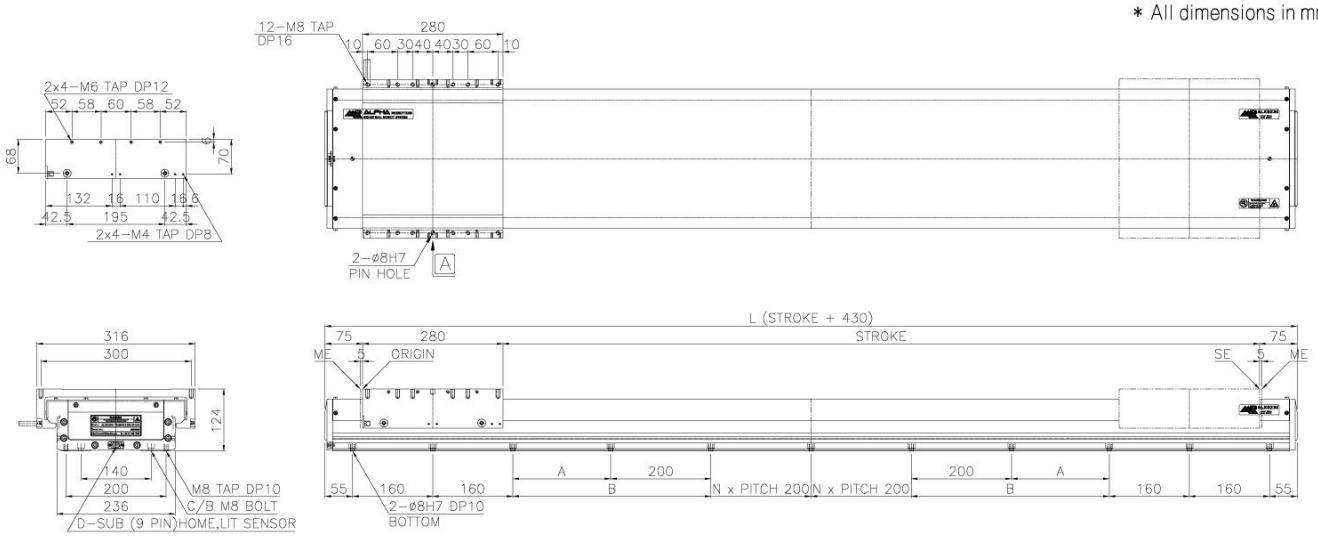
| Model / Peak Force | ALXS230-1T1 B022 220N | ALXS230-1T2 B022 220N | ALXS230-1T3 B022 220N | ALXS230-1T1 B044 440N | ALXS230-1T2 B044 440N | ALXS230-1T3 B044 440N | ALXS230-1T1 B066 660N | ALXS230-1T2 B066 660N | ALXS230-1T3 B066 660N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS230-1T3-B044 | | ALXS230-2T3-B044 |
|  | |  |
| Rated Force | N | 147 |
| Peak Force | N | 440 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | 82 | 48 | 32 | 20 |
| Allowable Overhang Distance - mm | Horizontal Use  | 0° | 640 | 1060 | 1200 | 1200 |
| | | 45° | 620 | 1000 | 1200 | 1200 |
| | | 90° | 1200 | 1200 | 1200 | 1200 |
| | Wall Installation Use  | 0° | 790 | 1200 | 1200 | 1200 |
| | | 45° | 725 | 1187 | 1200 | 1200 |
| | | 90° | 380 | 621 | 880 | 1200 |
| | Note4 Vertical Use  | 0° | 900 | 1200 | 1200 | 1200 |
| | | 45° | 450 | 700 | 970 | 1200 |
| | | 90° | 900 | 1200 | 1200 | 1200 |
| Note5 | Estimated Condition | Max Speed : 2000 mm/sec Waiting Time : 0 sec | | Life Time : 15000 hr Stroke : 2000 mm | | |

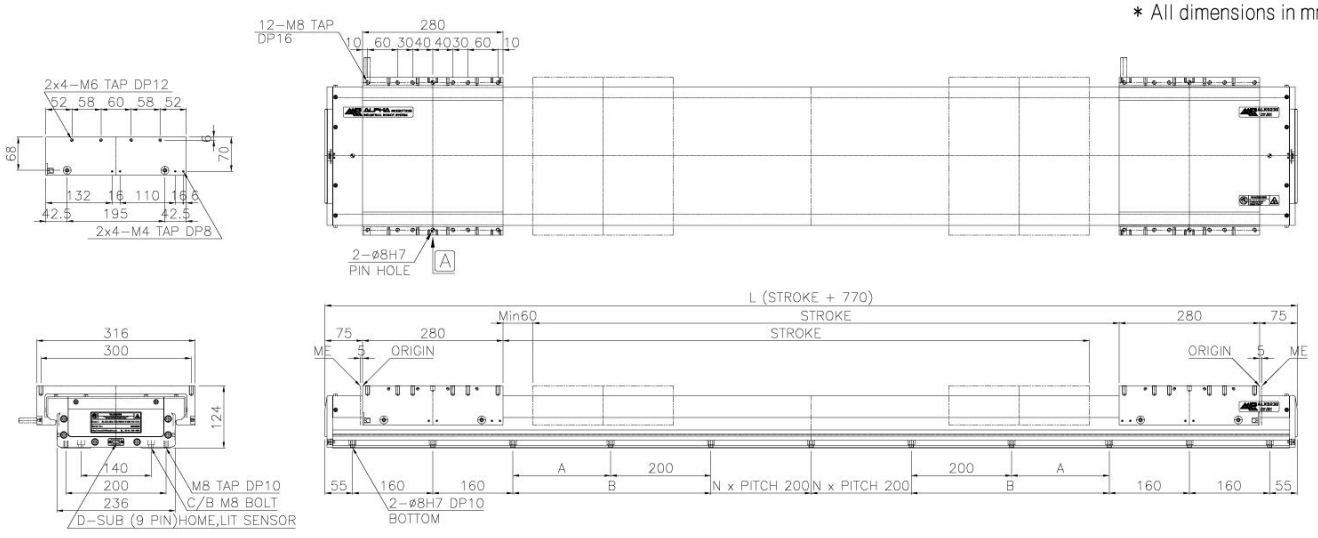
## ALXS230-1T3

* All dimensions in mm




## ALXS230-2T3

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS230-1T3-B044 | kgf | 51.12 | 69.54 | 87.97 | 106.39 | 143.24 | (3.69) |
| ALXS230-2T3-B044 | kgf | 77.77 | 96.19 | 114.62 | 133.04 | 169.89 | (3.69) |

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.

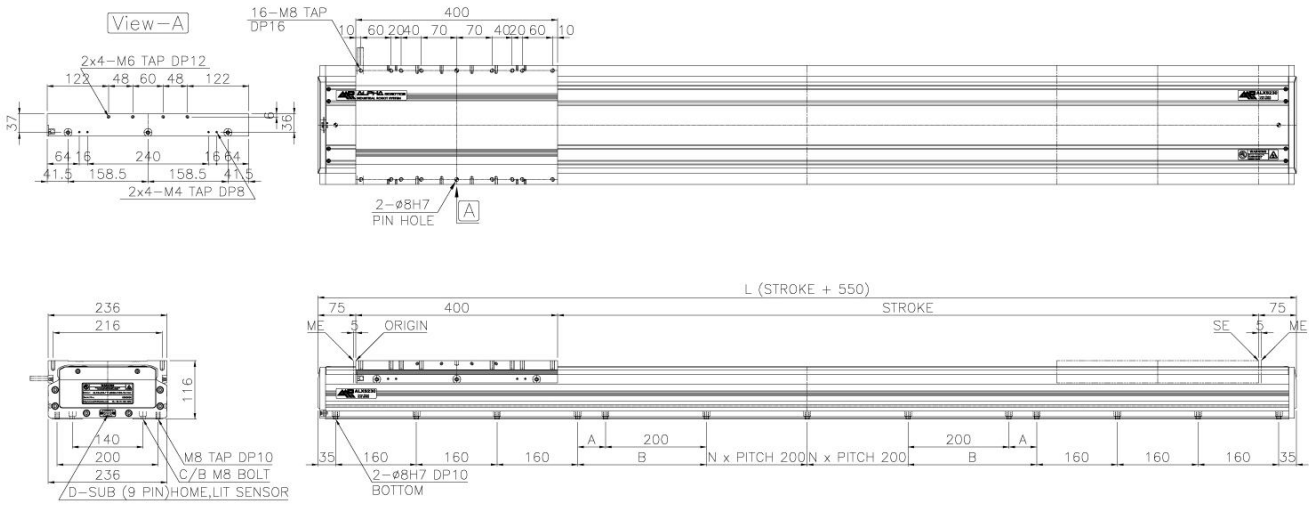
| Model / Peak Force | ALXS230-1T1 B022 220N | ALXS230-1T2 B022 220N | ALXS230-1T3 B022 220N | ALXS230-1T1 B044 440N | ALXS230-1T2 B044 440N | ALXS230-1T3 B044 440N | ALXS230-1T1 B066 660N | ALXS230-1T2 B066 660N | ALXS230-1T3 B066 660N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS230-1T1-B066 | | ALXS230-2T1-B066 |
|  | |  |
| Rated Force | N | 220 |
| Peak Force | N | 660 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | | |

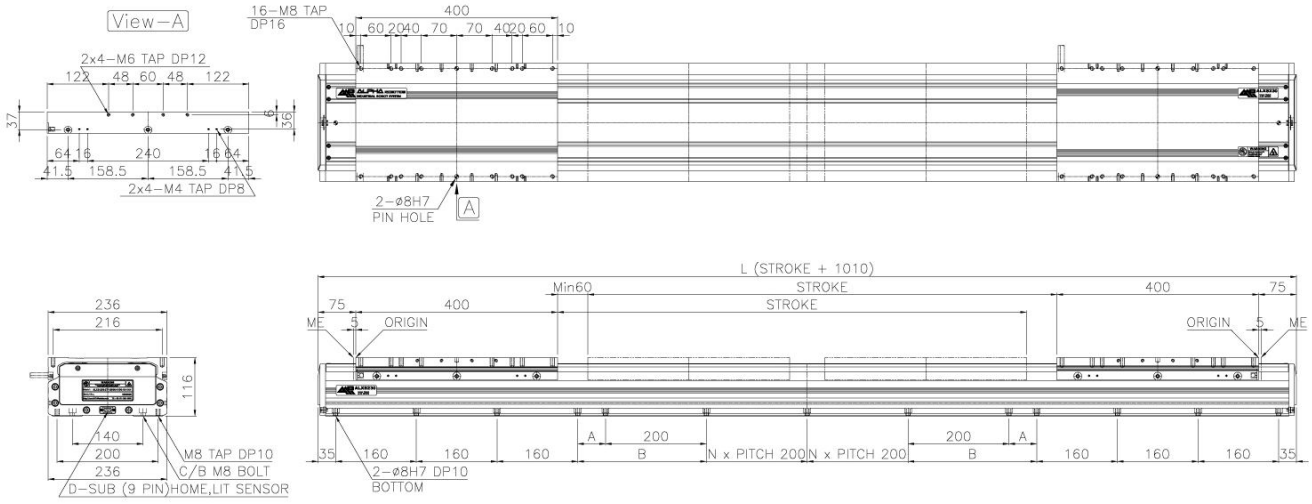
## ALXS230-1T1

* All dimensions in mm




## ALXS230-2T1

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS230-1T1-B066 | kgf | 53.64 | 71.78 | 89.93 | 108.08 | 144.37 | (3.63) |
| ALXS230-2T1-B066 | kgf | 83.11 | 101.26 | 119.41 | 137.55 | 173.85 | (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

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.

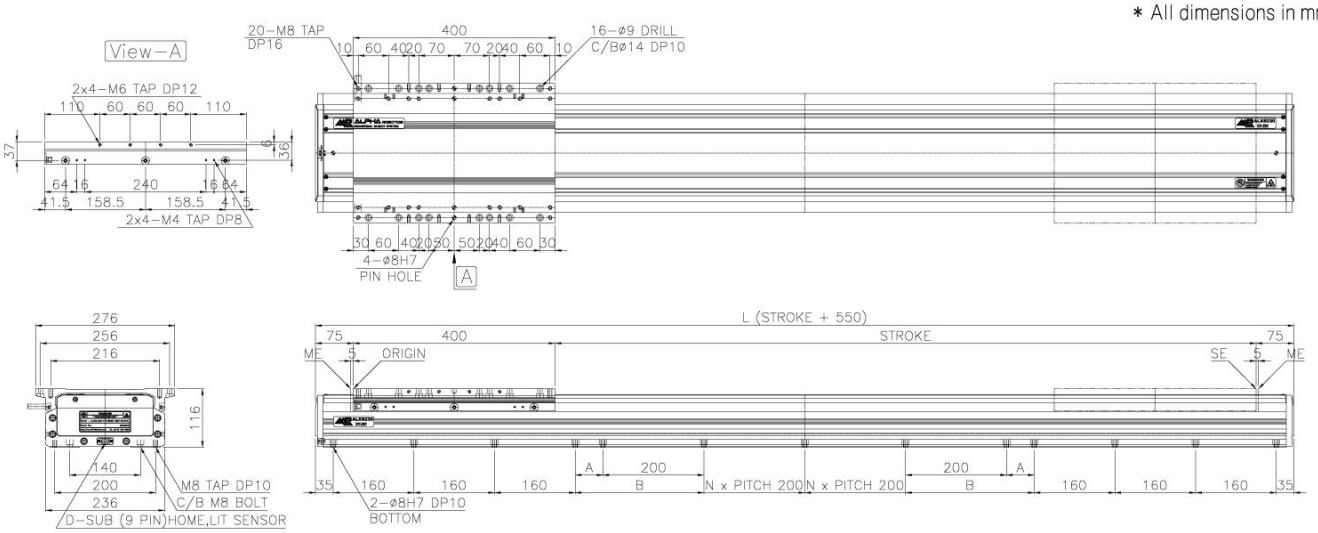
| Model / Peak Force | ALXS230-1T1 B022 220N | ALXS230-1T2 B022 220N | ALXS230-1T3 B022 220N | ALXS230-1T1 B044 440N | ALXS230-1T2 B044 440N | ALXS230-1T3 B044 440N | ALXS230-1T1 B066 660N | ALXS230-1T2 B066 660N | ALXS230-1T3 B066 660N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS230-1T2-B066 | | ALXS230-2T2-B066 |
|  | |  |
| Rated Force | N | 220 |
| Peak Force | N | 660 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | | |

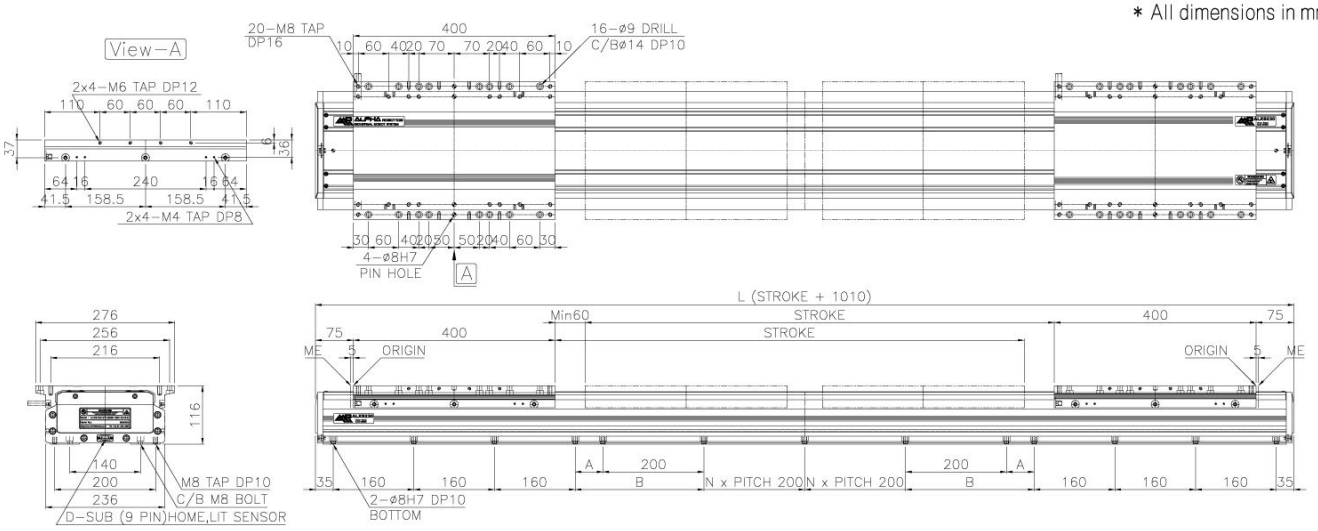
## ALXS230-1T2

* All dimensions in mm




## ALXS230-2T2

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS230-1T2-B066 | kgf | 53.64 | 71.78 | 89.93 | 108.08 | 144.37 | (3.63) |
| ALXS230-2T2-B066 | kgf | 83.11 | 101.26 | 119.41 | 137.55 | 173.85 | (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

NOTE1 It is differed by the drive specification, the maximum speed and using conditions.
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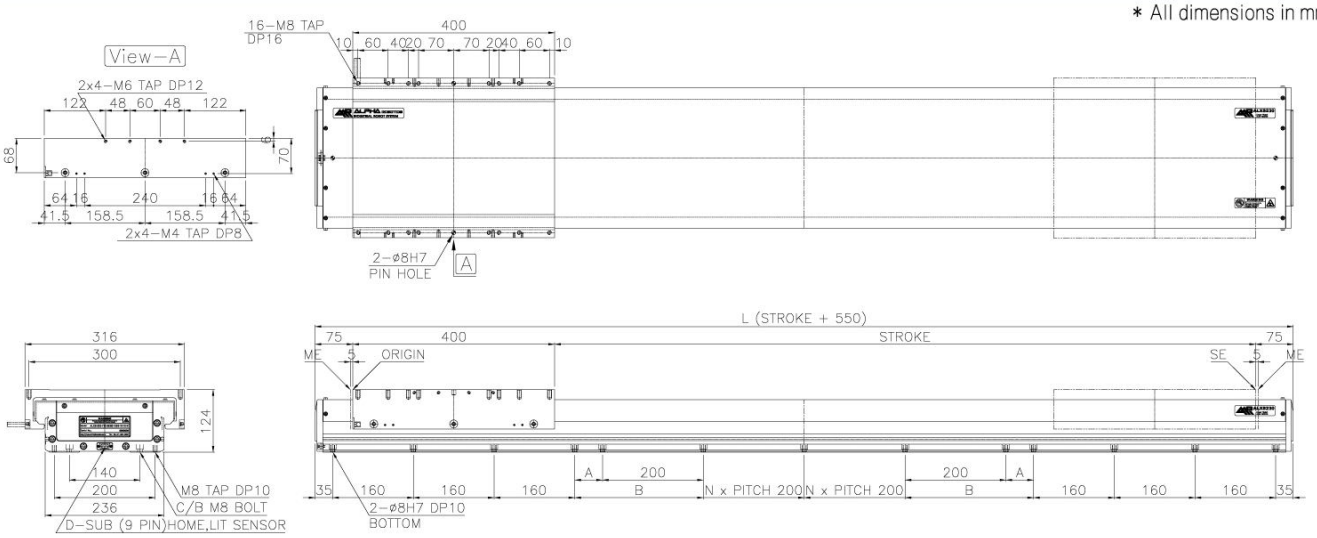
| Model / Peak Force | ALXS230-1T1 B022 220N | ALXS230-1T2 B022 220N | ALXS230-1T3 B022 220N | ALXS230-1T1 B044 440N | ALXS230-1T2 B044 440N | ALXS230-1T3 B044 440N | ALXS230-1T1 B066 660N | ALXS230-1T2 B066 660N | ALXS230-1T3 B066 660N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS230-1T3-B066 | | ALXS230-2T3-B066 |
|  | |  |
| Rated Force | N | 220 |
| Peak Force | N | 660 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | 123 | 72 | 49 | 30 |
| Allowable Overhang Distance - mm | Horizontal Use | 0° | 445 | 740 | 1060 | 1200 |
| | | 45° | 435 | 720 | 1010 | 1200 |
| | | 90° | 1200 | 1200 | 1200 | 1200 |
| | Wall Installation Use | 0° | 735 | 1198 | 1200 | 1200 |
| | | 45° | 488 | 810 | 1154 | 1200 |
| | | 90° | 295 | 485 | 685 | 1092 |
| | Note4 Vertical Use | 0° | 840 | 1200 | 1200 | 1200 |
| | | 45° | 420 | 650 | 900 | 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 | | |

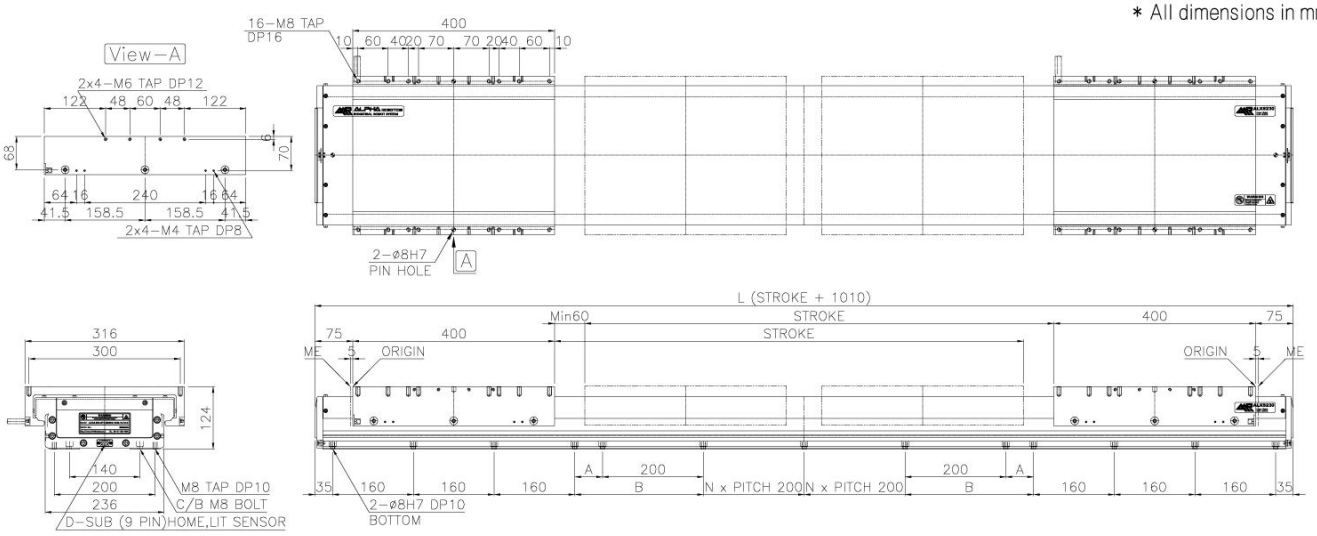
## ALXS230-1T3

* All dimensions in mm




## ALXS230-2T3

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS230-1T3-B066 | kgf | 61.64 | 80.06 | 98.49 | 116.91 | 153.76 | (3.69) |
| ALXS230-2T3-B066 | kgf | 97.99 | 116.14 | 134.29 | 152.43 | 188.73 | (3.63) |

CAUTION

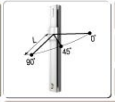
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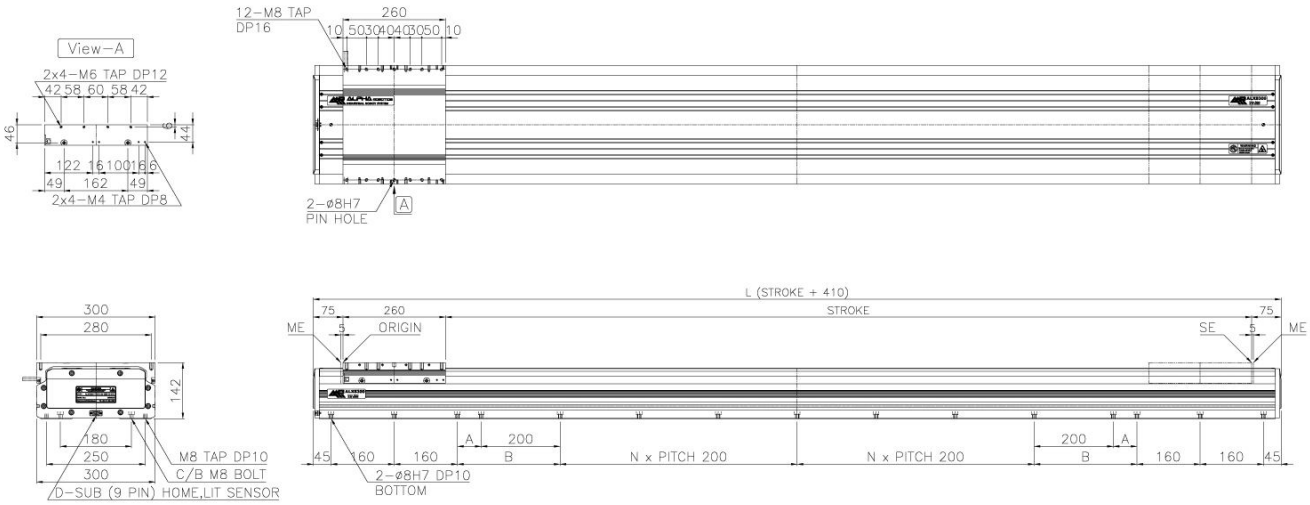
| Model / Peak Force | ALXS300-1T1 B130 1300N | ALXS300-1T2 B130 1300N | ALXS300-1T3 B130 1300N | ALXS300-1T1 B220 2200N | ALXS300-1T2 B220 2200N | ALXS300-1T3 B220 2200N | ALXS300-1T1 B300 3000N | ALXS300-1T2 B300 3000N | ALXS300-1T3 B300 3000N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS300-1T1-B130 | | ALXS300-2T1-B130 |
|  | |  |
| Rated Force | N | 325 |
| Peak Force | N | 1300 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | 173 | 124 | 86 |
| Allowable Overhang Distance - mm | Horizontal Use |  | 0° | 360 | 385 | 510 | 700 |
| | | | 45° | 330 | 340 | 430 | 535 |
| | | | 90° | 1260 | 1000 | 1090 | 1210 |
| | Wall Installation Use |  | 0° | 265 | 291 | 395 | 570 |
| | | | 45° | 440 | 465 | 610 | 825 |
| | | | 90° | 165 | 180 | 241 | 340 |
| | Note4 Vertical Use |  | 0° | 323 | 345 | 450 | 615 |
| | | | 45° | 162 | 174 | 225 | 307 |
| | | | 90° | 323 | 345 | 450 | 615 |
| Note5 | Estimated Condition | | Max Speed : 2000 mm/sec<br>Waiting Time : 0 sec | | Life Time : 15000 hr<br>Stroke : 2000 mm | | |

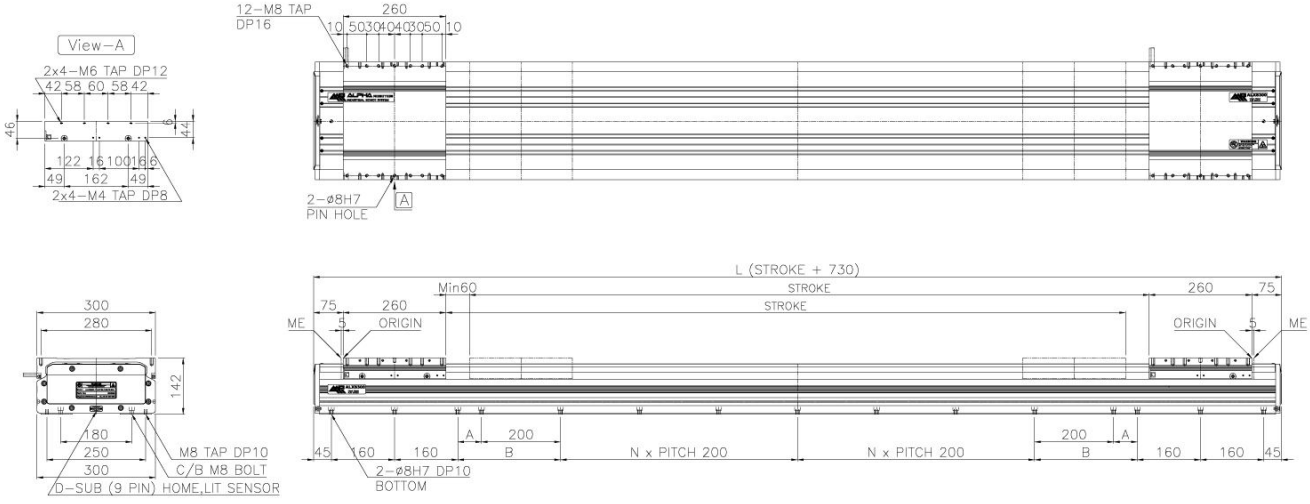
## ALXS300-1T1

* All dimensions in mm




## ALXS300-2T1

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS300-1T1-B130 | kgf | 75.77 | 111.37 | 146.97 | 182.57 | 253.76 | (7.12) |
| ALXS300-2T1-B130 | kgf | 106.38 | 141.98 | 177.58 | 213.18 | 284.37 | (7.12) |

CAUTION

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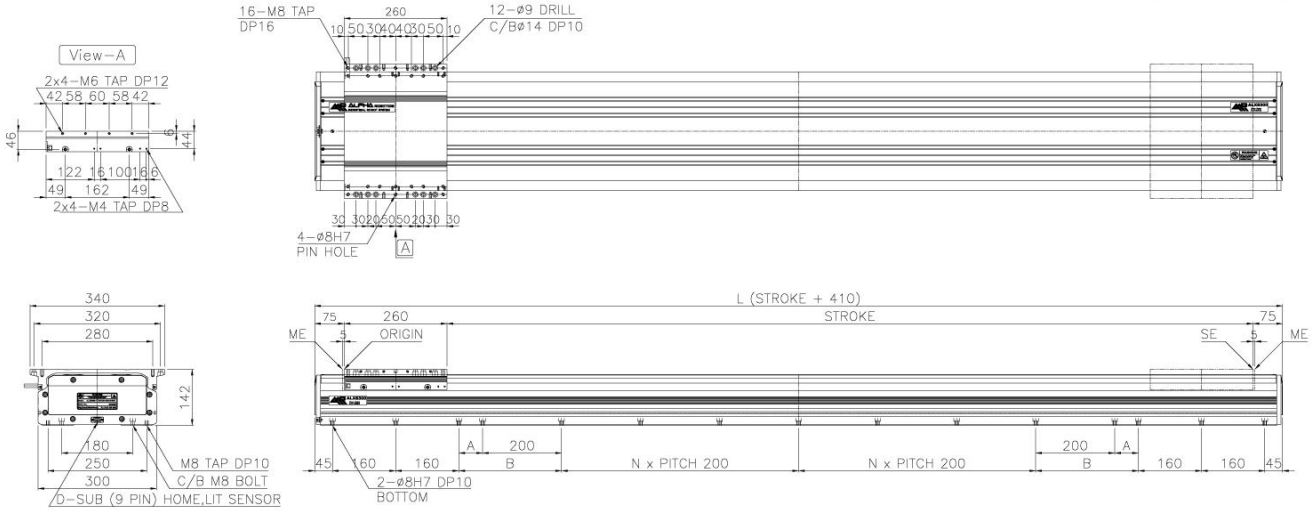
| Model Peak Force | ALXS300-1T1 B130 1300N | ALXS300-1T2 B130 1300N | ALXS300-1T3 B130 1300N | ALXS300-1T1 B220 2200N | ALXS300-1T2 B220 2200N | ALXS300-1T3 B220 2200N | ALXS300-1T1 B300 3000N | ALXS300-1T2 B300 3000N | ALXS300-1T3 B300 3000N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS300-1T2-B130 | | ALXS300-2T2-B130 |
|  | |  |
| Rated Force | N | 325 |
| Peak Force | N | 1300 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | 173 | 124 | 86 |
| Allowable Overhang Distance - mm | Horizontal Use | 0° | 360 | 385 | 510 | 700 |
| | | 45° | 330 | 340 | 430 | 535 |
| | | 90° | 1260 | 1000 | 1090 | 1210 |
| | Wall Installation Use | 0° | 265 | 291 | 395 | 570 |
| | | 45° | 440 | 465 | 610 | 825 |
| | | 90° | 165 | 180 | 241 | 340 |
| | Note4 Vertical Use | 0° | 323 | 345 | 450 | 615 |
| | | 45° | 162 | 174 | 225 | 307 |
| | | 90° | 323 | 345 | 450 | 615 |
| Note5 | Estimated Condition | Max Speed : 2000 mm/sec Waiting Time : 0 sec | | Life Time : 15000 hr Stroke : 2000 mm | | |

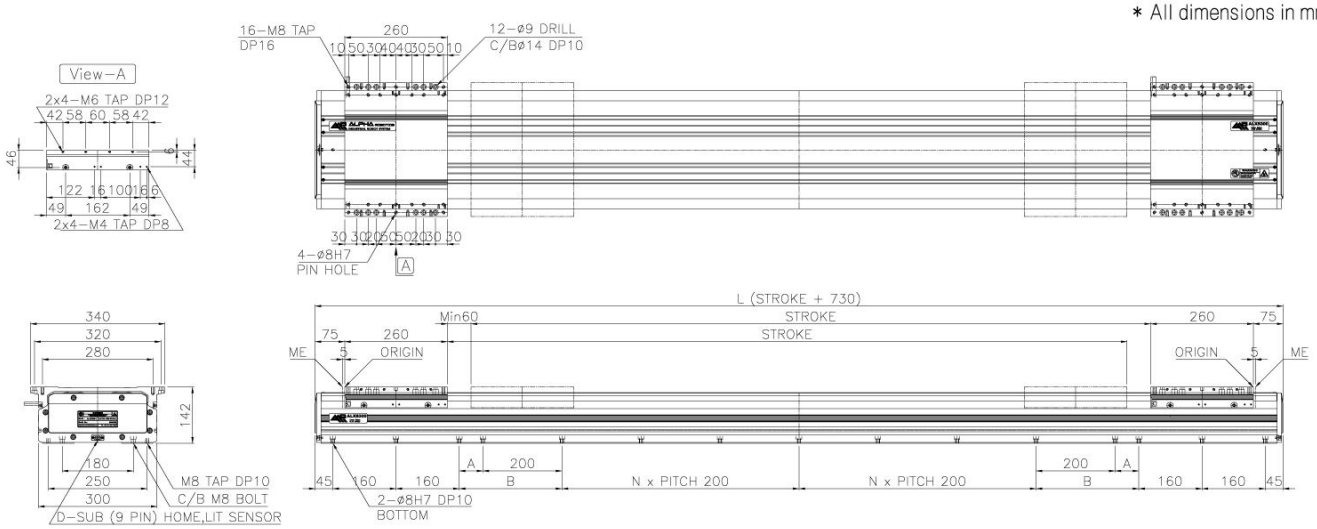
## ALXS300-1T2

* All dimensions in mm




## ALXS300-2T2

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS300-1T2-B130 | kgf | 75.77 | 111.37 | 146.97 | 182.57 | 253.76 | (7.12) |
| ALXS300-2T2-B130 | kgf | 106.38 | 141.98 | 177.58 | 213.18 | 284.37 | (7.12) |

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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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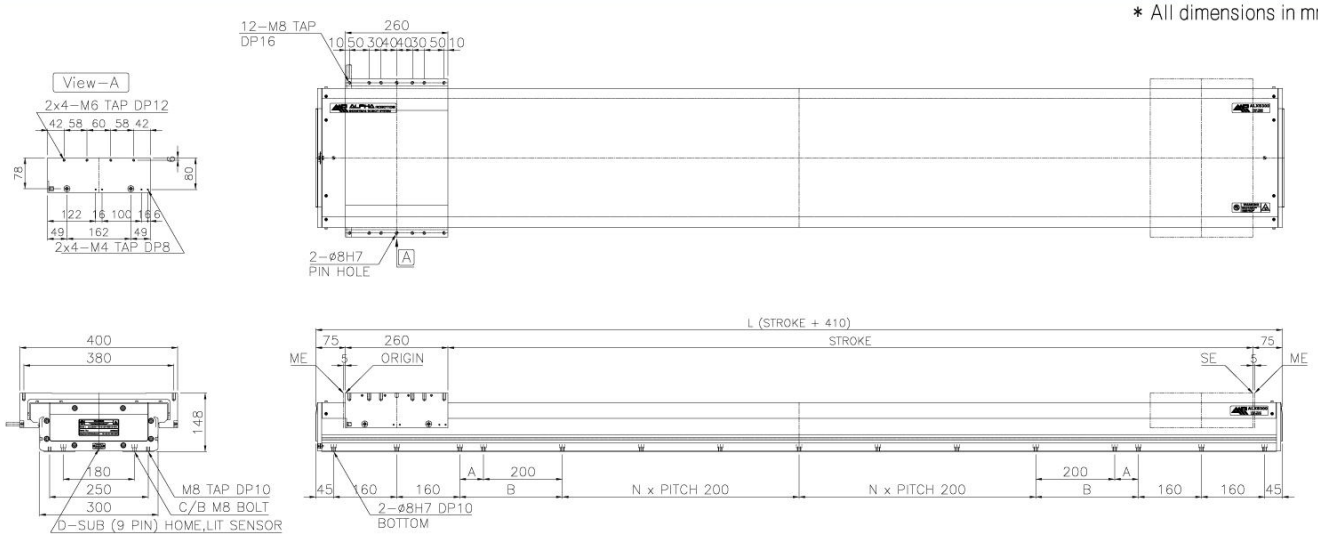
| Model / Peak Force | ALXS300-1T1 B130 1300N | ALXS300-1T2 B130 1300N | ALXS300-1T3 B130 1300N | ALXS300-1T1 B220 2200N | ALXS300-1T2 B220 2200N | ALXS300-1T3 B220 2200N | ALXS300-1T1 B300 3000N | ALXS300-1T2 B300 3000N | ALXS300-1T3 B300 3000N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS300-1T3-B130 | | ALXS300-2T3-B130 |
|  | |  |
| Rated Force | N | 325 |
| Peak Force | N | 1300 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | 171 | 122 | 84 |
| Allowable Overhang Distance - mm | Horizontal Use | 0° | 360 | 390 | 520 | 710 |
| | | 45° | 330 | 340 | 435 | 550 |
| | | 90° | 1260 | 1010 | 1100 | 1250 |
| | Wall Installation Use | 0° | 265 | 295 | 401 | 580 |
| | | 45° | 440 | 470 | 620 | 850 |
| | | 90° | 165 | 182 | 245 | 345 |
| | Note4 Vertical Use | 0° | 320 | 350 | 455 | 630 |
| | | 45° | 160 | 175 | 228 | 315 |
| | | 90° | 320 | 350 | 455 | 630 |
| Note5 | Estimated Condition | Max Speed : 2000 mm/sec<br>Waiting Time : 0 sec | | Life Time : 15000 hr<br>Stroke : 2000 mm | | |

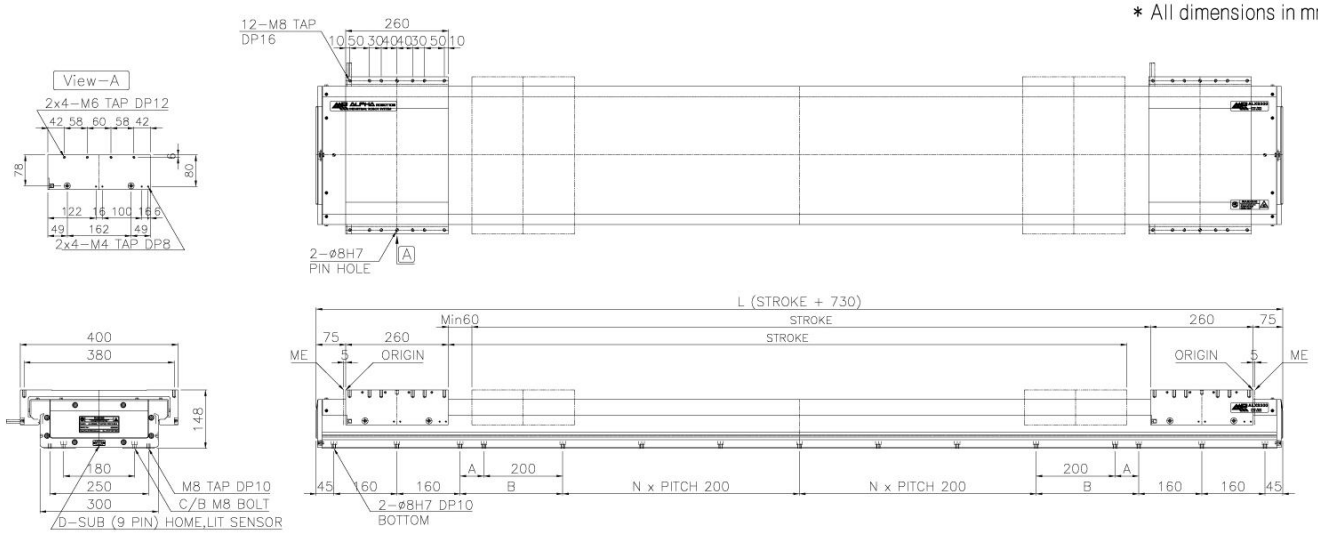
## ALXS300-1T3

* All dimensions in mm




## ALXS300-2T3

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS300-1T3-B130 | kgf | 78.43 | 114.03 | 149.63 | 185.23 | 256.42 | (7.12) |
| ALXS300-2T3-B130 | kgf | 111.70 | 147.30 | 182.90 | 218.09 | 289.69 | (7.12) |

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.

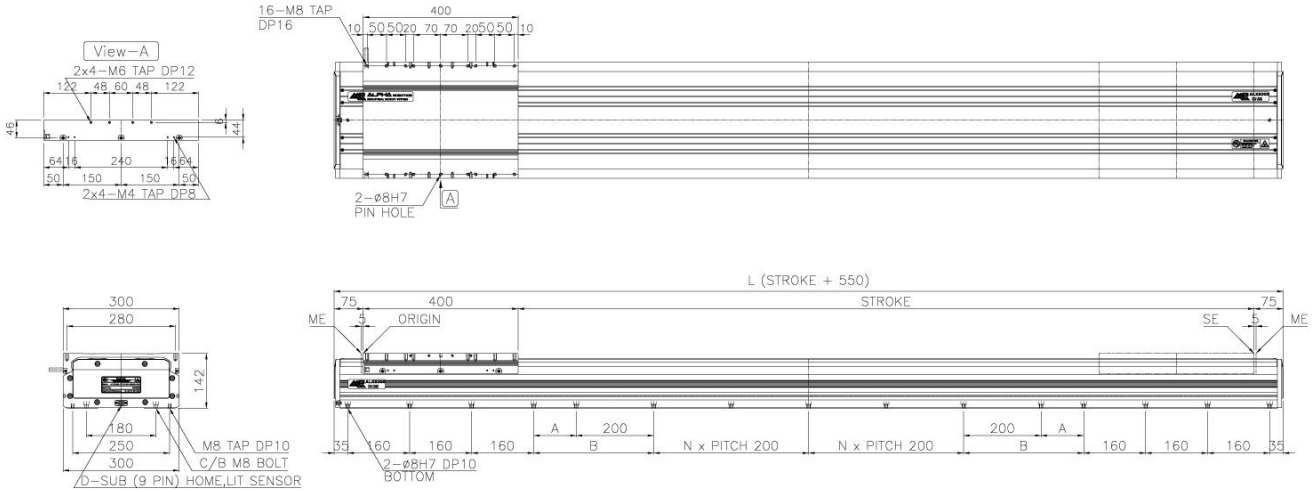
| Model / Peak Force | ALXS300-1T1 B130 1300N | ALXS300-1T2 B130 1300N | ALXS300-1T3 B130 1300N | ALXS300-1T1 B220 2200N | ALXS300-1T2 B220 2200N | ALXS300-1T3 B220 2200N | ALXS300-1T1 B300 3000N | ALXS300-1T2 B300 3000N | ALXS300-1T3 B300 3000N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS300-1T1-B220 | | ALXS300-2T1-B220 |
|  | |  |
| Rated Force | N | 550 |
| Peak Force | N | 2200 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | 200 | 147 |
| Allowable Overhang Distance - mm | Horizontal Use | 0° | 470 | 430 | 410 | 565 |
| | | 45° | 455 | 415 | 390 | 520 |
| | | 90° | 1500 | 1500 | 1500 | 1500 |
| | Wall Installation Use | 0° | 695 | 628 | 591 | 801 |
| | | 45° | 520 | 480 | 458 | 625 |
| | | 90° | 295 | 272 | 258 | 352 |
| | Note4 Vertical Use | 0° | 790 | 720 | 680 | 890 |
| | | 45° | 395 | 360 | 340 | 445 |
| | | 90° | 790 | 720 | 680 | 890 |
| Note5 | Estimated Condition | Max Speed : 2000 mm/sec Waiting Time : 0 sec | | Life Time : 15000 hr Stroke : 2000 mm | | |

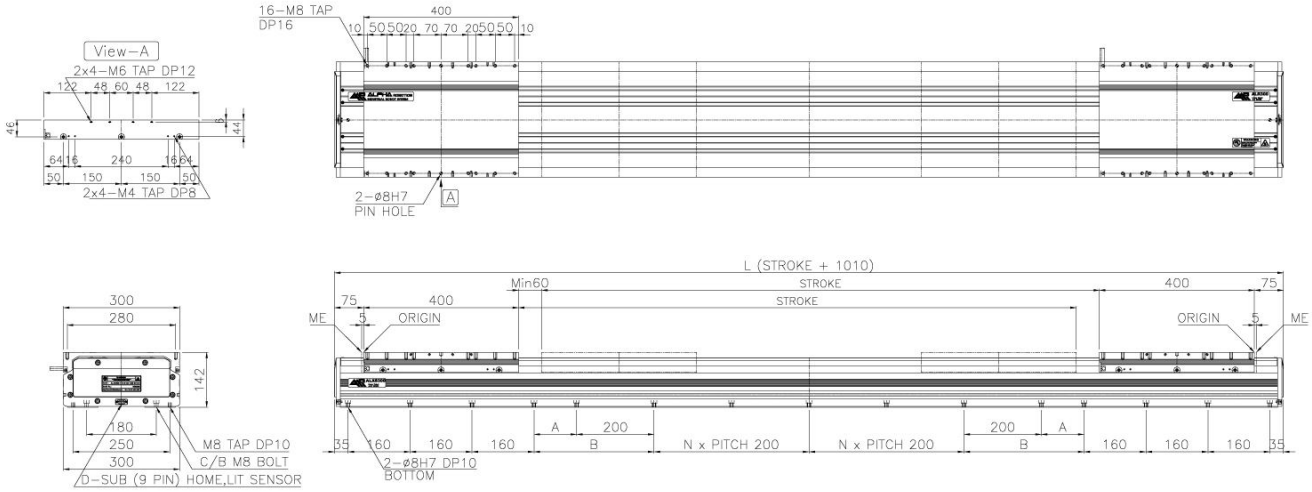
## ALXS300-1T1

* All dimensions in mm




## ALXS300-2T1

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS300-1T1-B220 | kgf | 98.25 | 133.85 | 169.45 | 205.04 | 276.24 | (7.12) |
| ALXS300-2T1-B220 | kgf | 151.34 | 186.94 | 222.54 | 258.14 | 329.33 | (7.12) |

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.

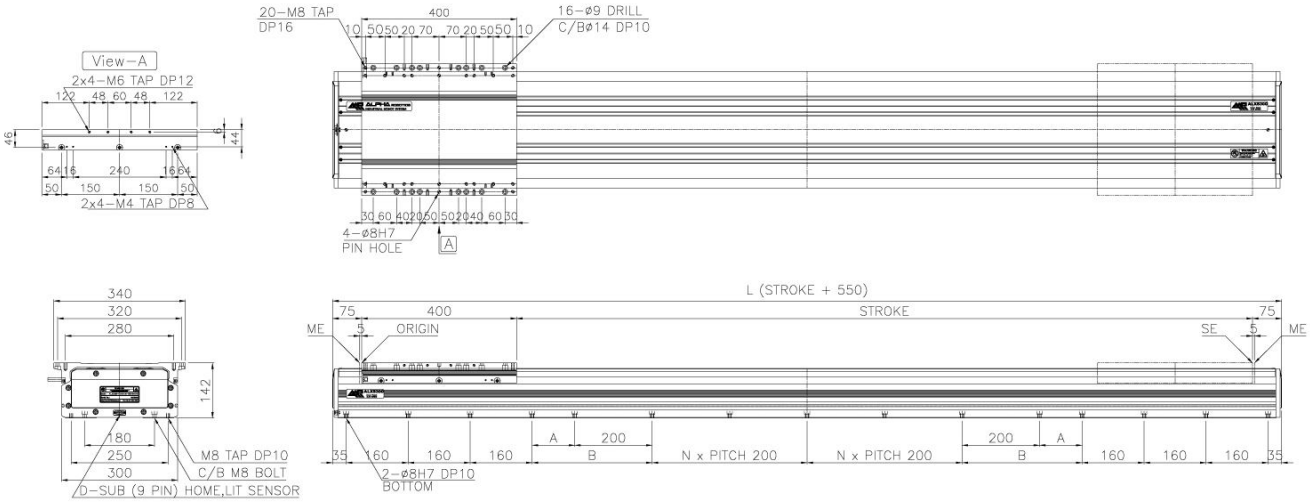
| Model / Peak Force | ALXS300-1T1 B130 1300N | ALXS300-1T2 B130 1300N | ALXS300-1T3 B130 1300N | ALXS300-1T1 B220 2200N | ALXS300-1T2 B220 2200N | ALXS300-1T3 B220 2200N | ALXS300-1T1 B300 3000N | ALXS300-1T2 B300 3000N | ALXS300-1T3 B300 3000N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS300-1T2-B220 | | ALXS300-2T2-B220 |
|  | |  |
| Rated Force | N | 550 |
| Peak Force | N | 2200 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | 200 | 147 |
| Allowable Overhang Distance - mm | Horizontal Use | 0° | 470 | 430 | 410 | 565 |
| | | 45° | 455 | 415 | 390 | 520 |
| | | 90° | 1500 | 1500 | 1500 | 1500 |
| | Wall Installation Use | 0° | 695 | 628 | 591 | 801 |
| | | 45° | 520 | 480 | 458 | 625 |
| | | 90° | 295 | 272 | 258 | 352 |
| | Note4 Vertical Use | 0° | 790 | 720 | 680 | 890 |
| | | 45° | 395 | 360 | 340 | 445 |
| | | 90° | 790 | 720 | 680 | 890 |
| Note5 | Estimated Condition | Max Speed : 2000 mm/sec Life Time : 15000 hr<br>Waiting Time : 0 sec Stroke : 2000 mm | | | | |

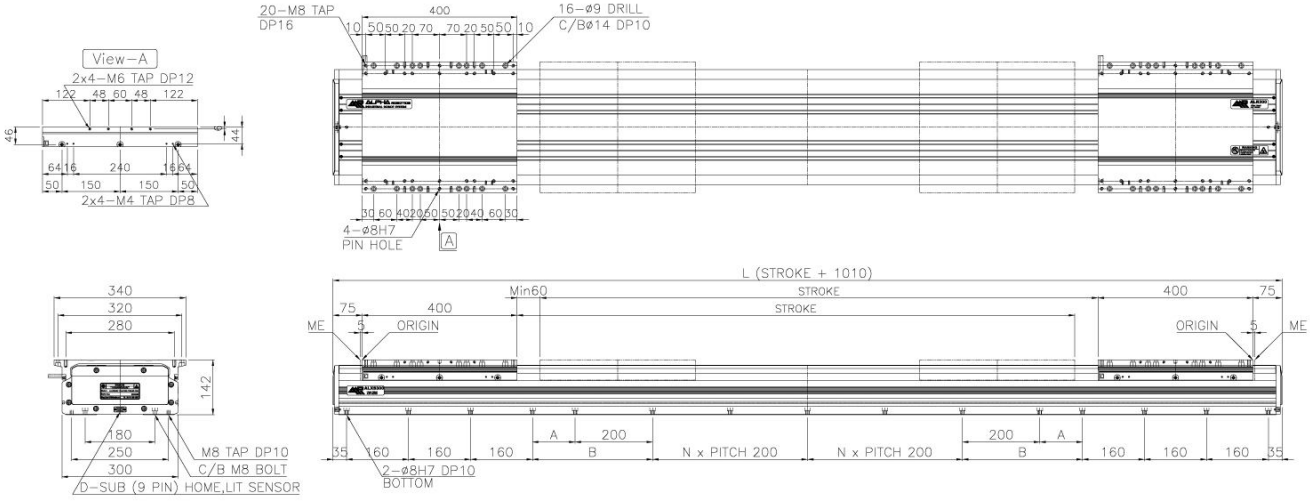
## ALXS300-1T2

* All dimensions in mm




## ALXS300-2T2

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS300-1T2-B220 | kgf | 98.25 | 133.85 | 169.45 | 205.04 | 276.24 | (7.12) |
| ALXS300-2T2-B220 | kgf | 151.34 | 186.94 | 222.54 | 258.14 | 329.33 | (7.12) |

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.

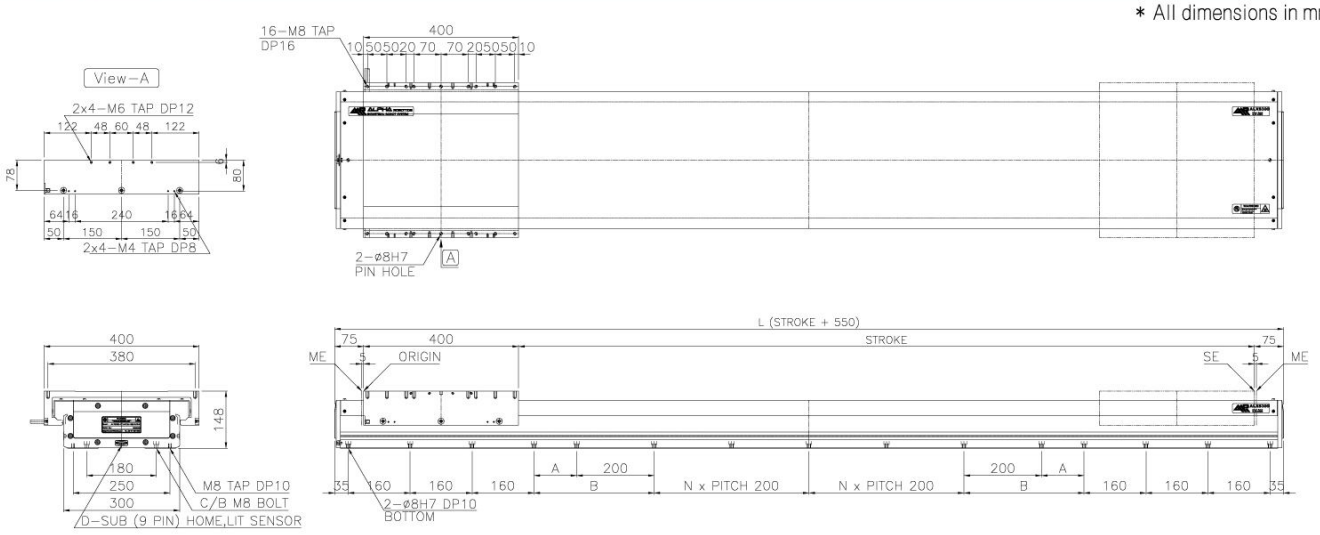
| Model / Peak Force | ALXS300-1T1 B130 1300N | ALXS300-1T2 B130 1300N | ALXS300-1T3 B130 1300N | ALXS300-1T1 B220 2200N | ALXS300-1T2 B220 2200N | ALXS300-1T3 B220 2200N | ALXS300-1T1 B300 3000N | ALXS300-1T2 B300 3000N | ALXS300-1T3 B300 3000N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS300-1T3-B220 | | ALXS300-2T3-B220 |
| Rated Force | N | 550 |
| Peak Force | N | 2200 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | 200 | 138 |
| Allowable Overhang Distance - mm | Horizontal Use | 0° | 465 | 425 | 410 | 600 |
| | | 45° | 455 | 410 | 385 | 555 |
| | | 90° | 1500 | 1500 | 1500 | 1500 |
| | Wall Installation Use | 0° | 679 | 618 | 584 | 850 |
| | | 45° | 515 | 470 | 450 | 665 |
| | | 90° | 295 | 268 | 254 | 372 |
| | Note4 Vertical Use | 0° | 790 | 720 | 680 | 940 |
| | | 45° | 395 | 360 | 340 | 470 |
| | | 90° | 790 | 720 | 680 | 940 |
| Note5 | Estimated Condition | Max Speed : 2000 mm/sec Waiting Time : 0 sec | | Life Time : 15000 hr Stroke : 2000 mm | | |

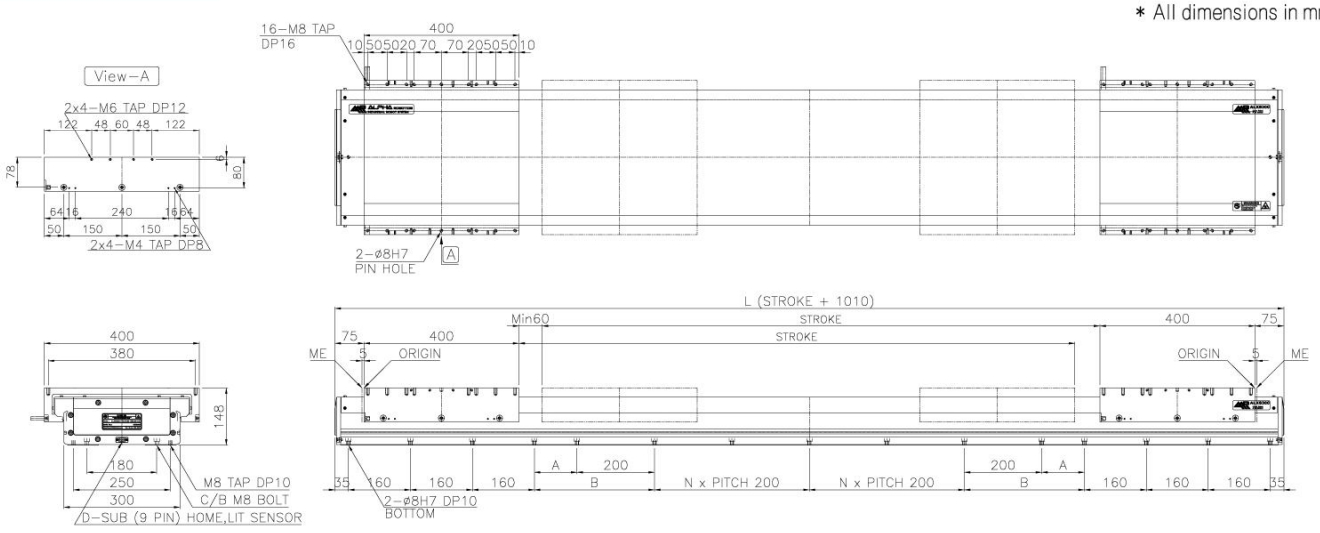
## ALXS300-1T3

* All dimensions in mm




## ALXS300-2T3

* All dimensions in mm




| Model / Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS300-1T3-B220 | kgf | 109.66 | 145.26 | 180.86 | 216.45 | 287.65 | (7.12) |
| ALXS300-2T3-B220 | kgf | 174.16 | 209.76 | 245.36 | 280.96 | 352.15 | (7.12) |

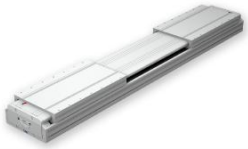
CAUTION

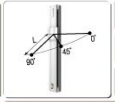
Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME.
ME : Mechanical End
SE : Stroke End

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.

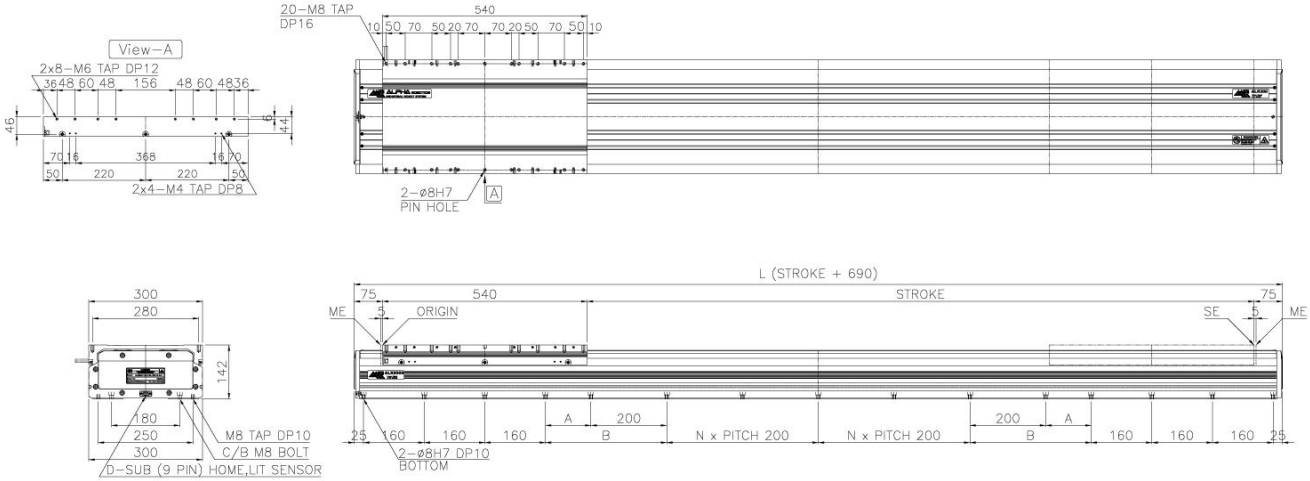
| Model / Peak Force | ALXS300-1T1 B130 1300N | ALXS300-1T2 B130 1300N | ALXS300-1T3 B130 1300N | ALXS300-1T1 B220 2200N | ALXS300-1T2 B220 2200N | ALXS300-1T3 B220 2200N | ALXS300-1T1 B300 3000N | ALXS300-1T2 B300 3000N | ALXS300-1T3 B300 3000N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS300-1T1-B300 | | ALXS300-2T1-B300 |
|  | |  |
| Rated Force | N | 750 |
| Peak Force | N | 3000 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | 200 | 200 |
| Allowable Overhang Distance - mm | Horizontal Use  | 0° | 470 | 430 | 415 | 395 |
| | | 45° | 460 | 420 | 395 | 370 |
| | | 90° | 1500 | 1500 | 1500 | 1500 |
| | Wall Installation Use  | 0° | 735 | 665 | 625 | 585 |
| | | 45° | 520 | 480 | 456 | 435 |
| | | 90° | 305 | 280 | 264 | 250 |
| | Note4 Vertical Use  | 0° | 840 | 770 | 730 | 680 |
| | | 45° | 420 | 385 | 365 | 340 |
| | | 90° | 845 | 770 | 730 | 680 |
| Note5 | Estimated Condition | | Max Speed : 2000 mm/sec<br>Waiting Time : 0 sec | | Life Time : 15000 hr<br>Stroke : 2000 mm | |

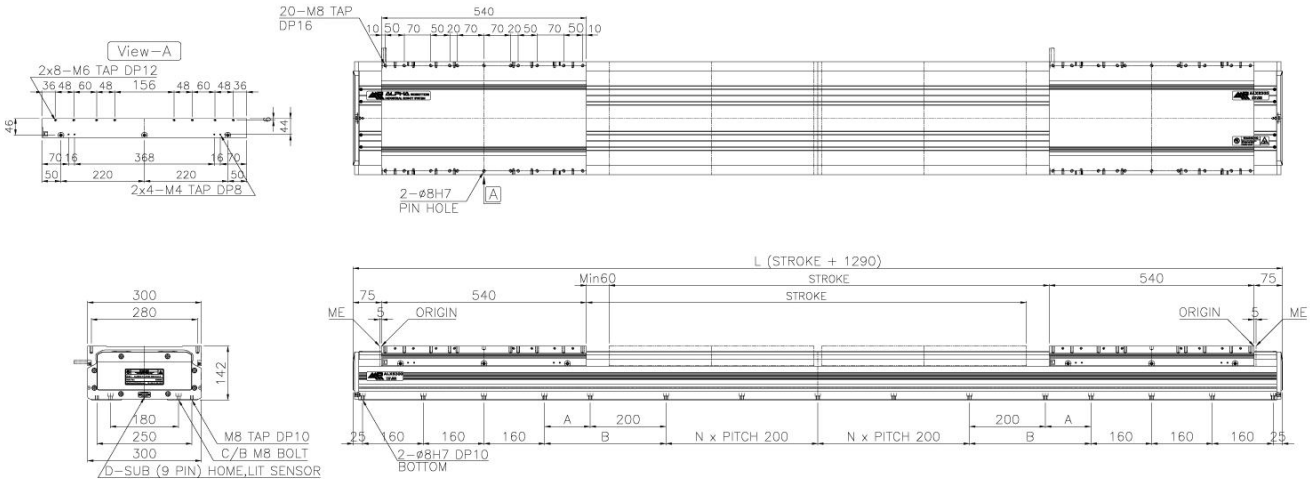
## ALXS300-1T1

* All dimensions in mm




## ALXS300-2T1

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS300-1T1-B300 | kgf | 113.29 | 148.89 | 184.48 | 220.08 | 291.28 | (7.12) |
| ALXS300-2T1-B300 | kgf | 188.53 | 224.13 | 259.73 | 295.33 | 366.53 | (7.12) |

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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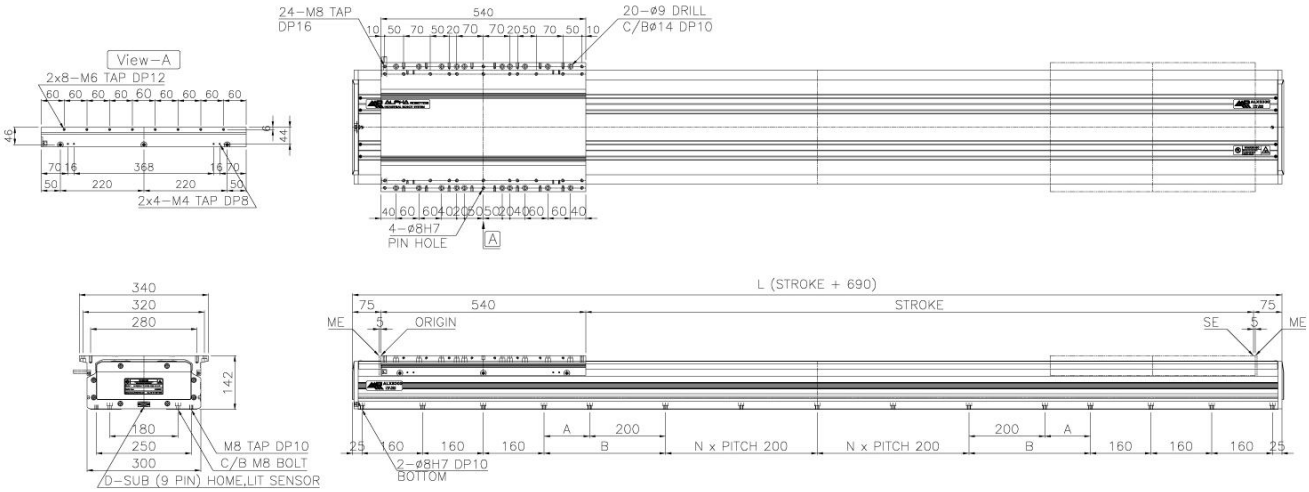
| Model Peak Force | ALXS300-1T1 B130 1300N | ALXS300-1T2 B130 1300N | ALXS300-1T3 B130 1300N | ALXS300-1T1 B220 2200N | ALXS300-1T2 B220 2200N | ALXS300-1T3 B220 2200N | ALXS300-1T1 B300 3000N | ALXS300-1T2 B300 3000N | ALXS300-1T3 B300 3000N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS300-1T2-B300 | | ALXS300-2T2-B300 |
|  | |  |
| Rated Force | N | 750 |
| Peak Force | N | 3000 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | 200 | 200 |
| Allowable Overhang Distance - mm | Horizontal Use | 0° | 470 | 430 | 415 | 395 |
| | | 45° | 460 | 420 | 395 | 370 |
| | | 90° | 1500 | 1500 | 1500 | 1500 |
| | Wall Installation Use | 0° | 735 | 665 | 625 | 585 |
| | | 45° | 520 | 480 | 456 | 435 |
| | | 90° | 305 | 280 | 264 | 250 |
| | Note4 Vertical Use | 0° | 840 | 770 | 730 | 680 |
| | | 45° | 420 | 385 | 365 | 340 |
| | | 90° | 845 | 770 | 730 | 680 |
| Note5 | Estimated Condition | Max Speed : 2000 mm/sec Waiting Time : 0 sec | | Life Time : 15000 hr Stroke : 2000 mm | | |

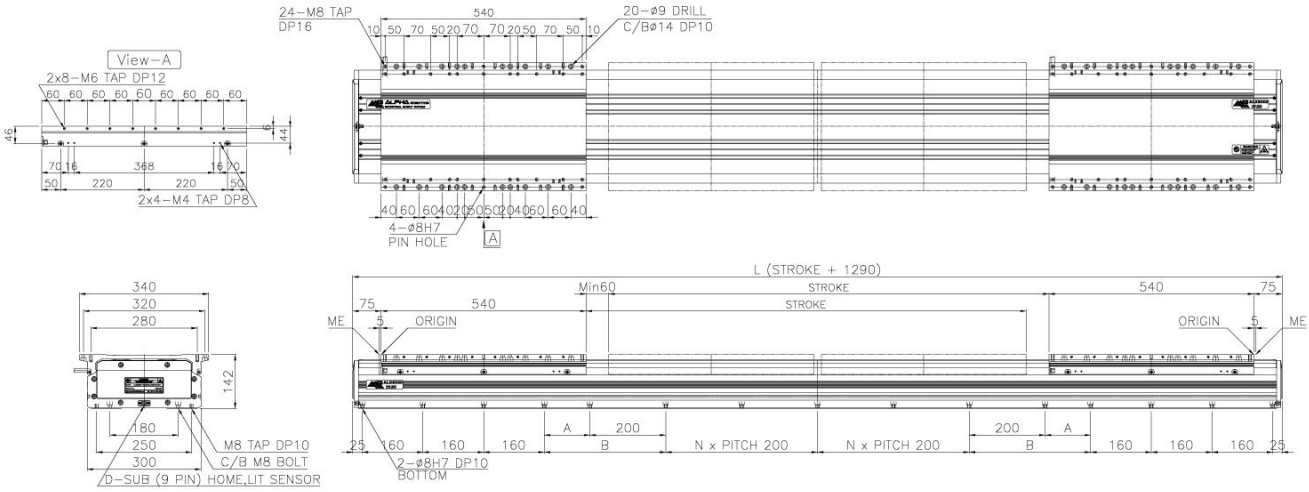
## ALXS300-1T2

* All dimensions in mm




## ALXS300-2T2

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS300-1T2-B300 | kgf | 113.29 | 148.89 | 184.48 | 220.08 | 291.28 | (7.12) |
| ALXS300-2T2-B300 | kgf | 188.53 | 224.13 | 259.73 | 295.33 | 366.53 | (7.12) |

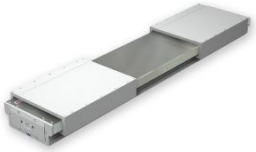
CAUTION

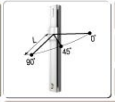
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SE : Stroke End

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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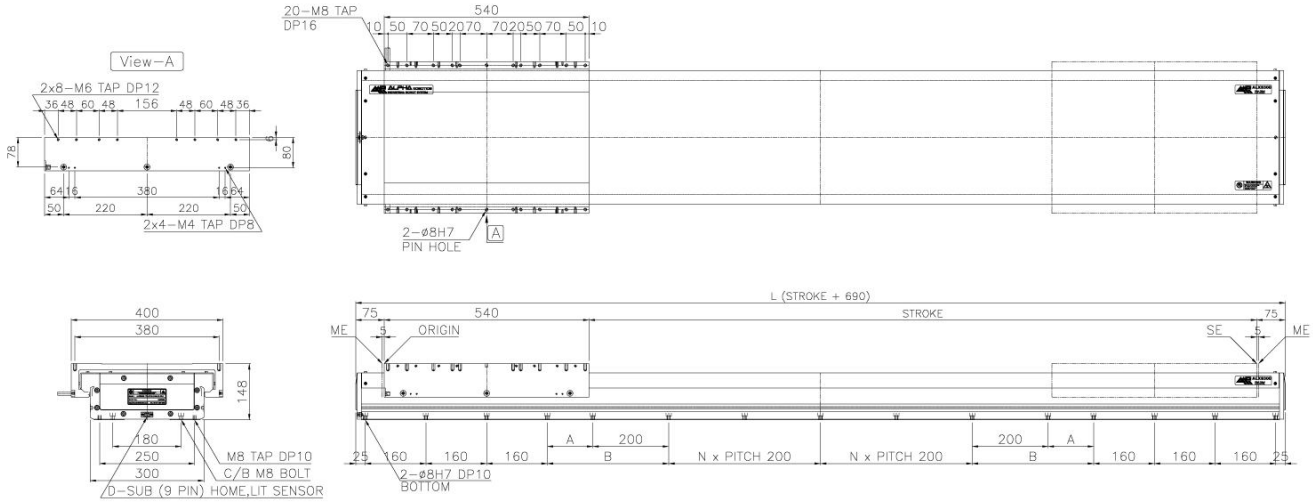
| Model / Peak Force | ALXS300-1T1 B130 1300N | ALXS300-1T2 B130 1300N | ALXS300-1T3 B130 1300N | ALXS300-1T1 B220 2200N | ALXS300-1T2 B220 2200N | ALXS300-1T3 B220 2200N | ALXS300-1T1 B300 3000N | ALXS300-1T2 B300 3000N | ALXS300-1T3 B300 3000N |
|---|---|---|---|---|---|---|---|---|---|

| Specification | Unit | Data |
|---|---|---|
| ALXS300-1T3-B300 | | ALXS300-2T3-B300 |
|  | |  |
| Rated Force | N | 750 |
| Peak Force | N | 3000 |
| Resolution | ㎛ | Note1 0.1 ~ 40 |
| Max. Speed | mm/sec | Note2 2500 |
| Max. Stroke | mm | 20000 |
| 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 | 200 | 193 |
| Allowable Overhang Distance - mm | Horizontal Use  | 0° | 460 | 425 | 405 | 410 |
| | | 45° | 450 | 410 | 385 | 380 |
| | | 90° | 1500 | 1500 | 1500 | 1330 |
| | Wall Installation Use  | 0° | 670 | 610 | 578 | 578 |
| | | 45° | 510 | 465 | 445 | 450 |
| | | 90° | 290 | 265 | 251 | 253 |
| | Note4 Vertical Use  | 0° | 790 | 720 | 680 | 670 |
| | | 45° | 395 | 360 | 340 | 335 |
| | | 90° | 790 | 720 | 680 | 670 |
| Note5 | Estimated Condition | Max Speed : 2000 mm/sec<br>Waiting Time : 0 sec | | Life Time : 15000 hr<br>Stroke : 2000 mm | | |

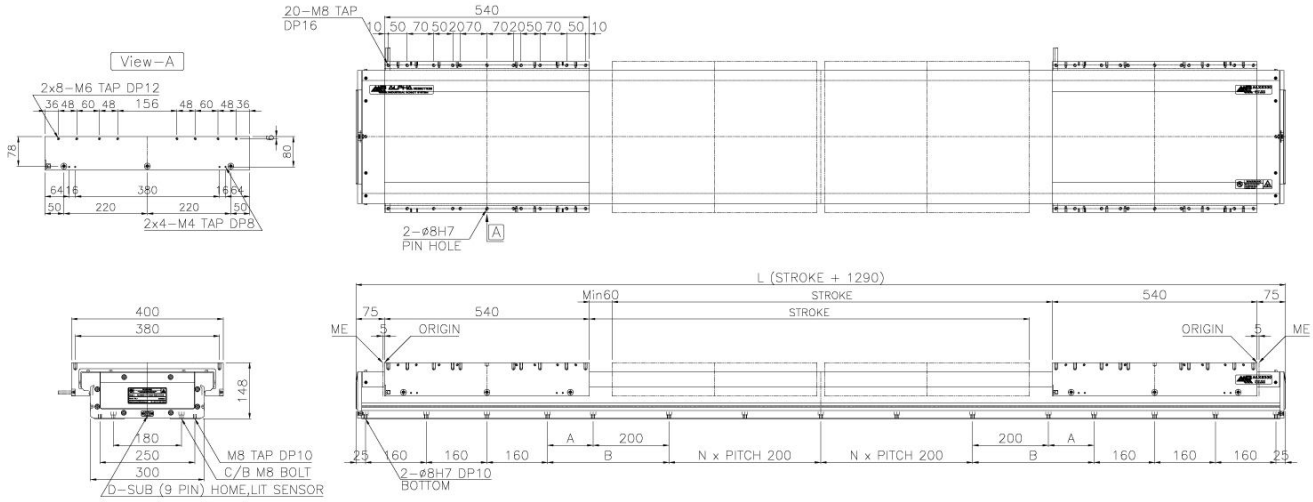
## ALXS300-1T3

* All dimensions in mm




## ALXS300-2T3

* All dimensions in mm




| Model \ Stroke | Units | 500 | 1000 | 1500 | 2000 | 3000 | Offset(100) |
|---|---|---|---|---|---|---|---|
| ALXS300-1T3-B300 | kgf | 128.70 | 164.30 | 199.89 | 235.49 | 306.69 | (7.12) |
| ALXS300-2T3-B300 | kgf | 219.35 | 254.95 | 290.55 | 326.15 | 397.35 | (7.12) |

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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