

Appendix

PMI Ballscrews Request Form

Date :

Company :		Address :	
Tel :			
Fax :		Country :	
Machine Type :		Delivery Point :	
Application :		Desired Delivery Date :	Quantity :

1	Required Specifications			
	A. Thread Direction : ☐ L ☐ R Number Of Thread (1~4) :			
	B. Screw Nominal O.D. :		Lead :	Effective Turns :
	C. Thread Length :		Overall Length :	Accuracy Grade :
	D. Nut Type : ☐ Miniature Series ☐ End Deflector Series ☐ External Ball Circulation Series ☐ Internal Ball Circulation Series ☐ High Lead Series ☐ Heavy Load Series ☐ End Cap Series			
2	Load Condition			
	A. Stroke : mm		Max. Rotation Speed : r.p.m	Motor Specifications : kw
	B. Mounting Method : ☐ Vertical ☐ Horizontal ☐ Oblique		Declining Angle :	Mounting Span : mm
	C. Acceleration Time : s		Acceleration Speed : m/s ²	Rapid Feed Speed : m/min
	D. Life : ×10 ⁶ revs		km	hr
	E. Working Axial Load :			
	Rapid Feed :	kgf	Feed Speed : mm/min	Time : Ratio(%)
	Light Cutting :	kgf	Feed Speed : mm/min	Time : Ratio(%)
	Heavy Cutting :	kgf	Feed Speed : mm/min	Time : Ratio(%)
	F. Max. Axial Static Load : kgf			
	G. Table Weight : kg		Work Piece Weight : kg	
	H. Linear Guide Way : ☐ Ball Type ☐ Roller Type ☐ Box Way			
I. Mount Method : ☐ Fixed-Fixed ☐ Fixed-Supported ☐ Fixed-Free ☐ Supported-Supported				
3	Lead Accuracy, Axial Clearance, Preload and Stiffness			
	A. Specified Travel (T) : mm			
	B. Positioning Accuracy : mm(No Load)		Repeatability Accuracy : mm(No Load)	
	C. Preload :	kgf	(Preload Torque : kgf/cm)	
	D. Axial play : mm (No Load)			
	E. Nut Stiffness : kgf/μm			
4	Other Conditions			
	A. Lubrication Oil :		Grease :	Other :
	B. Ambient Temperature : ☐ °C ☐ °F			
C. Special Conditions :				

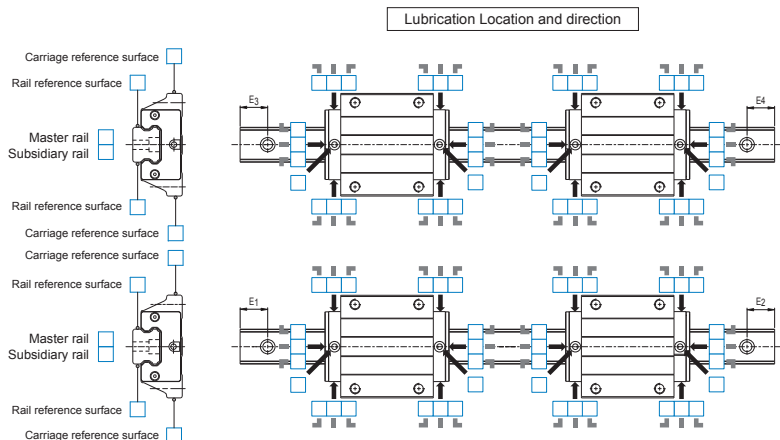
P.S. The specifications in this catalogue are subject to change without notification, For other special requirements, please contact us.

PMI Linear Guideway Request Form

Date :

Customer Name :		Address :					
Tel :							
Fax :		Machine Type :					
Contact Person :		Drawing No. :					
Installation Direction							☐ Others
	☐ H type	☐ R type	☐ V type	☐ K type	☐ T type	☐ RV type	
Carriage Type							
Size							
No. of Carriages	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ Others:						
Dust Protection	☐ No symbol ☐ UU ☐ SS ☐ ZZ ☐ DD ☐ KK ☐ LL ☐ RR						
Rail Protection	☐ No symbol ☐ CC ☐ MC ☐ MD						
Preload Grade	☐ FZ ☐ FC ☐ F0 ☐ F1 ☐ F2						
Rail Type	☐ Counter-bore (R type) ☐ Counter-bore (U type) ☐ Tapped hole (T type)						
Rail Length & Pitch	Length: E1: E2: E3: E4:						
Accuracy Grade	☐ N ☐ H ☐ P ☐ SP ☐ UP						
Rail per Axis	☐ 1 ☐ 2 ☐ 3 ☐ Others:						
Lubrication Type	☐ Grease ☐ Oil						
Lubrication Fitting	☐ Grease nipple (Code:) ☐ Oil piping joint (Code:)						
Full Code of Specification							
Required Quantity							

Reference surface & Lubrication Location



Nonspecified cases followed by PMI standards. For other special requirements, please contact us. The specifications in this catalogue are subject to change without notification.

Service Life Calculation of *PMI* Linear Guideway

Date :

Company :	Address :
Tel :	
Fax :	Machine Type :
Contact Person :	Others :

Velocity:

V= m/sec

Acceleration time:

T1= sec

T2= sec

T3= sec

Stroke length:

Ls= mm

Number of reciprocations per minute:

N= min⁻¹

Thrust point:

A1= mm

A2= mm

Carriage span:

L1= mm

Rail span:

L2= mm

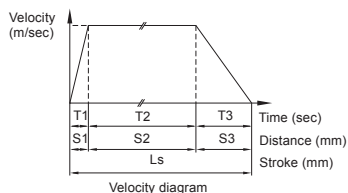
Mass:

m= kg

Gravity point:

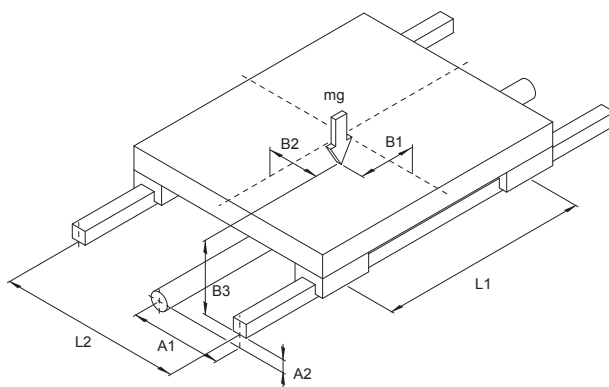
B1= mm B3= mm

B2= mm



working condition

Horizontal application



Service Life Calculation of *PMI* Linear Guideway

Date :

Company :	Address :
Tel :	
Fax :	Machine Type :
Contact Person :	Others :

Velocity:

V= m/sec

Acceleration time:

T1= sec

T2= sec

T3= sec

Stroke length:

Ls= mm

Number of reciprocations per minute:

N= min⁻¹

Thrust point:

A1= mm

A2= mm

Carriage span:

L1= mm

Rail span:

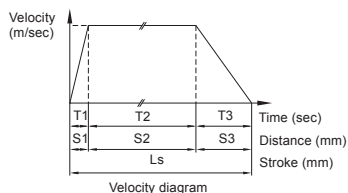
L2= mm

Mass:

m= kg

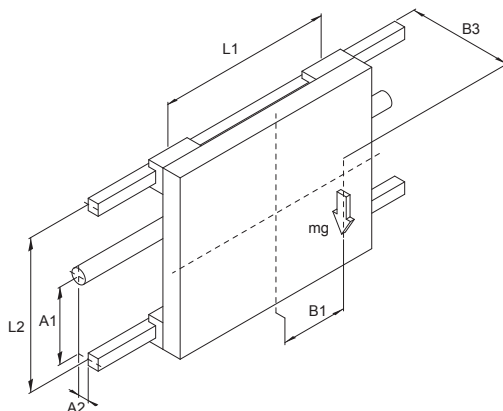
Gravity point:

B1= mm B3= mm



working condition

Wall installation application



Service Life Calculation of *PMI* Linear Guideway

Date :

Company :	Address :
Tel :	
Fax :	Machine Type :
Contact Person :	Others :

Velocity:

V= m/sec

Acceleration time:

T1= sec

T2= sec

T3= sec

Stroke length:

Ls= mm

Number of reciprocations
per minute:

N= min⁻¹

Thrust point:

A1= mm

A2= mm

Carriage span:

L1= mm

Rail span:

L2= mm

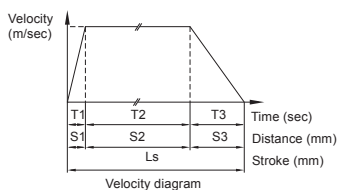
Mass:

m= kg

Gravity point:

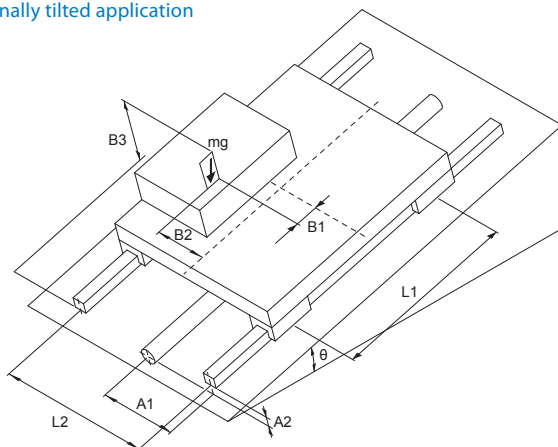
B1= mm B3= mm

B2= mm θ = Degree



working condition

Longitudinally tilted application



Service Life Calculation of *PMI* Linear Guideway

Date :

Company :	Address :
Tel :	
Fax :	Machine Type :
Contact Person :	Others :

working condition

Velocity:

V= m/sec

Acceleration time:

T1= sec

T2= sec

T3= sec

Stroke length:

Ls= mm

Number of reciprocations
per minute:

N= min⁻¹

Thrust point:

A1= mm

A2= mm

Carriage span:

L1= mm

Rail span:

L2= mm

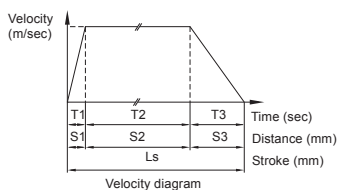
Mass:

m= kg

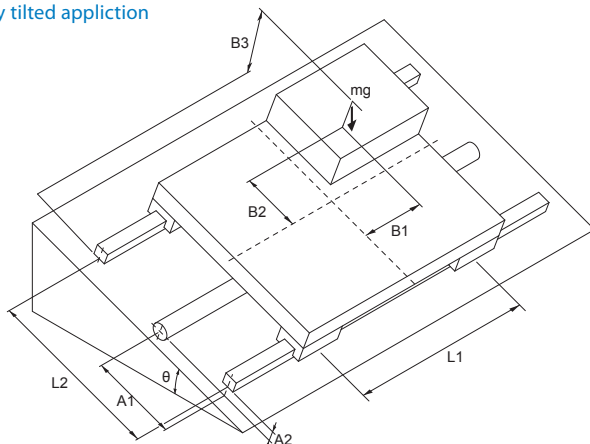
Gravity point:

B1= mm B3= mm

B2= mm θ = Degree



Laterally tilted application



Service Life Calculation of *PMI* Linear Guideway

Date :

Company :	Address :
Tel :	
Fax :	Machine Type :
Contact Person :	Others :

Velocity:

V= m/sec

Acceleration time:

T1= sec

T2= sec

T3= sec

Stroke length:

Ls= mm

Number of reciprocations
per minute:

N= min⁻¹

Thrust point:

A1= mm

A2= mm

Carriage span:

L1= mm

Rail span:

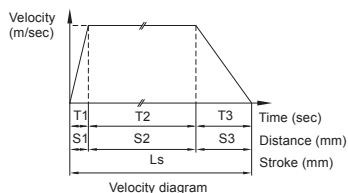
L2= mm

Mass:

m= kg

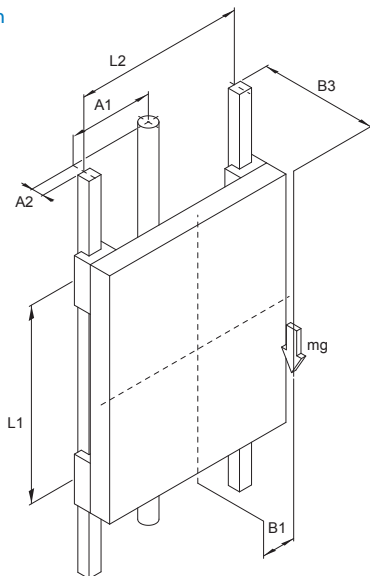
Gravity point:

B1= mm B3= mm



working condition

Vertical application



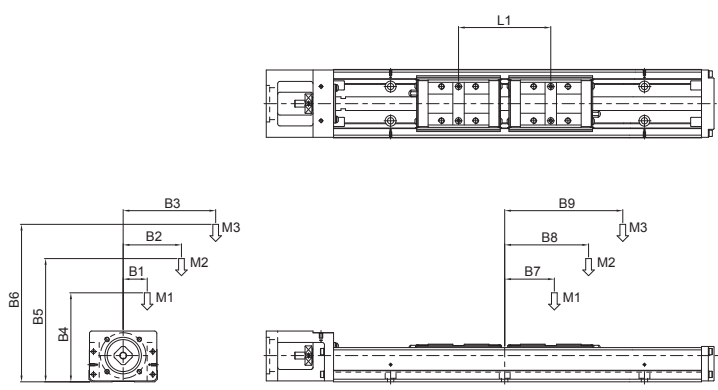
Service Life Calculation of *PMI* Actuator

Date :

Company :	Address :
Tel :	
Fax :	Machine Type :
Contact Person :	Others :

working condition	Preselection actuator specification:	Velocity: V= m/sec	Gravity point: B1= mm B5= mm B2= mm B6= mm B3= mm B7= mm B4= mm B8= mm B9= mm
	Carriage span: L1= mm	Acceleration time: T1= sec T2= sec T3= sec	Velocity diagram
	Mass and load: M1= kg M2= kg M3= kg	Acceleration/Deceleration: a= m/sec²	
	Stroke: LS= mm	Number of reciprocations per minute N= 1/min	

Horizontal application



Service Life Calculation of *PMI* Actuator

Date :

Company :	Address :
Tel :	
Fax :	Machine Type :
Contact Person :	Others :

Preselection actuator specification:

Carriage span:

L1= mm

Mass and load:

M1= kg

M2= kg

M3= kg

Stroke:

LS= mm

Velocity:

V= m/sec

Acceleration time:

T1= sec

T2= sec

T3= sec

Acceleration/Deceleration:

a= m/sec²

Number of reciprocations per minute

N= 1/min

Gravity point:

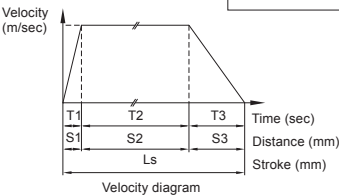
B1= mm B5= mm

B2= mm B6= mm

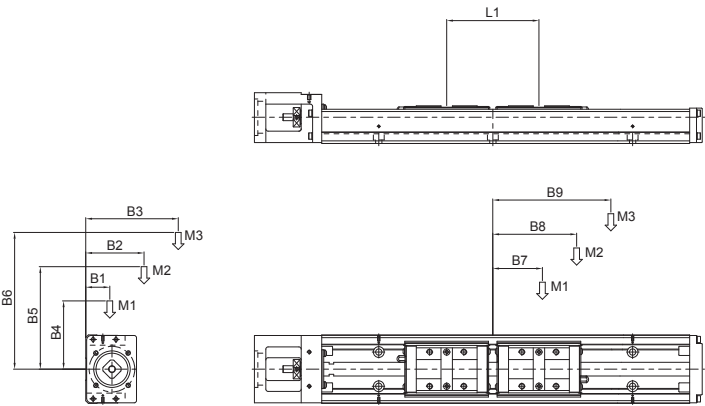
B3= mm B7= mm

B4= mm B8= mm

B9= mm



Wall installation application



Service Life Calculation of *PMI* Actuator

Date :

Company :	Address :
Tel :	
Fax :	Machine Type :
Contact Person :	Others :

Preselection actuator specification:

Carriage span:

L1= mm

Mass and load:

M1= kg

M2= kg

M3= kg

Stroke:

LS= mm

Velocity:

V= m/sec

Acceleration time:

T1= sec

T2= sec

T3= sec

Acceleration/Deceleration:

a= m/sec²

Number of reciprocations per minute

N= 1/min

Gravity point:

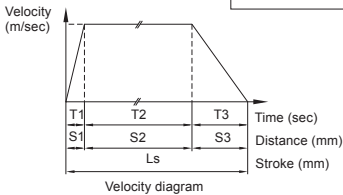
B1= mm B5= mm

B2= mm B6= mm

B3= mm B7= mm

B4= mm B8= mm

B9= mm



Vertical application

