PRODUCT DATASHEET

ES-LM-C04-S008-V017

Precision Linear Motion Assembly

Ball Screw Linear Module | Ball Screw Linear Module Platform 04 Series

Product Overview

Precision Linear Motion Assembly with working Stroke 420 mm, overall Length 611 mm and module Mass 5.5 kg.

Key Specifications

PARAMETER	VALUE	UNIT
Working Stroke	420	mm
Overall Length	611	mm
Module Mass	5.5	kg
Configured Motor Power	100	W
Motor Mounting Style	External Direct Coupling	
Mounting Hole Count	10	

Technical Specifications

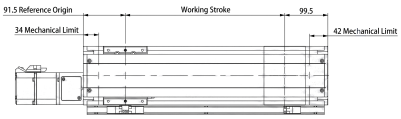
PARAMETER	SPECIFICATION	UNIT
MECHANICAL		
Working Stroke	420	mm
Overall Length	611	mm
Module Mass	5.5	kg
INTEGRATION		
Mounting Hole Count	10	
CONFIGURATION		
Motor Mounting Style	External Direct Coupling	
Configured Motor Power	100	W

Dimensional & Integration Overview

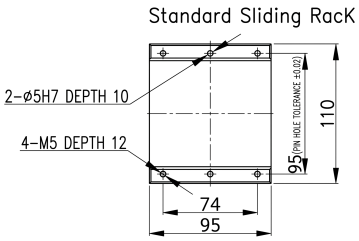
Mechanical Overview

PARAMETER	VALUE	UNIT
Working Stroke	420	mm
Overall Length	611	mm
Module Mass	5.5	kg
Mounting Hole Count	10	
Motor Mounting Style	External Direct Coupling	

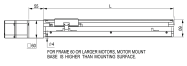
Dimensional Drawings



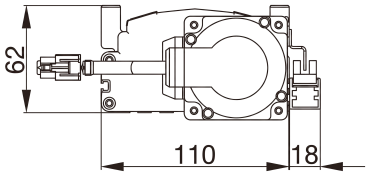
Mechanical View 1



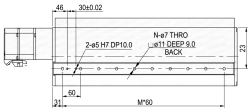
Mechanical View 2



Mechanical View 3



Mechanical View 4



Mechanical View 5

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Working stroke	Not specified
	End clearance distance	99.5 mm
	Left mechanical limit	34 mm
	Right mechanical limit	42 mm
Mechanical View 2	Dowel pin holes	2 holes, φ5H7, depth 10 mm
	Mounting threaded holes	4 holes, M5 threaded, depth 12 mm
	Pin hole positional tolerance	±0.02 mm
	Total height	110 mm
	Inner width	74 mm
	Total width	95 mm
Mechanical View 3	Mounting surface offset	55 mm
	Overall length L	Variable dimension L
	Motor mounting frame size	□60 mm
	Mounting hole diameter	Φ4 mm
	Height dimension	60 mm
Mechanical View 4	Overall Height	62 mm
	Overall Length	110 mm
	Right End Extension Length	18 mm

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 5	Edge to first mounting hole center distance	46
	Mounting hole pitch	30±0.02
	Number and diameter of through holes	N-φ7 THRO
	Counterbore diameter and depth	φ11 DEEP 9.0
	Number, diameter, tolerance and depth of locating holes	2-φ5 H7 DP10.0
	Height dimension	23
	View identifier	BACK
	Hole diameter	φ9
	Overall length (reference dimension)	M*60
	End face to hole center distance	31

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01 Specifications are subject to change without notice. Verify the current product configuration before final design release.

02 2D drawings, CAD files and integration documentation are controlled documents and are supplied separately on request.