

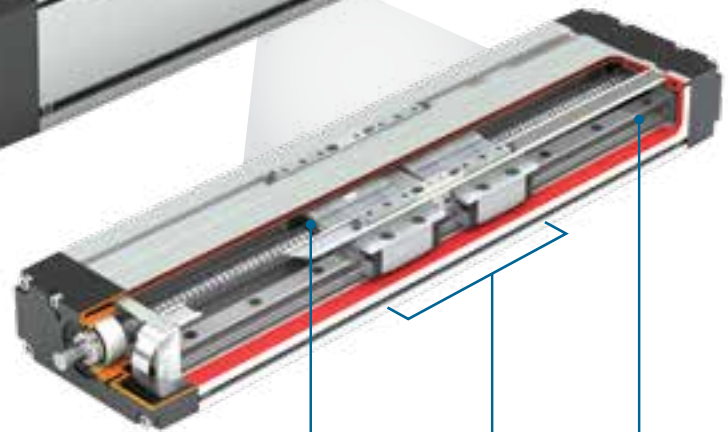
# MUK Series

## SCREW DRIVEN LINEAR ACTUATOR



### FEATURES & BENEFITS

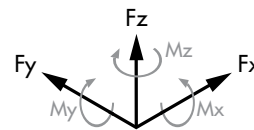
- Incorporates two 20 mm recirculating ball profile rail guideways
- Load capabilities up to 11200 N
- Single or dual carriage options available
- Class 7 (52 µm/300 mm ) travel accuracy ball screw is standard, consult factory for other options
- Compact aluminum profile incorporates t-slots for easy sensor mounting



Ball screw driven

Dual carriage configuration shown, equipped with four profile rail bearing blocks

Incorporates two parallel 20 mm recirculating ball profile rail guideways

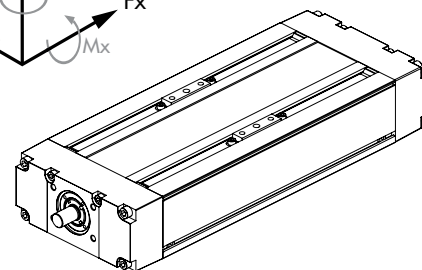


### TECHNICAL DATA

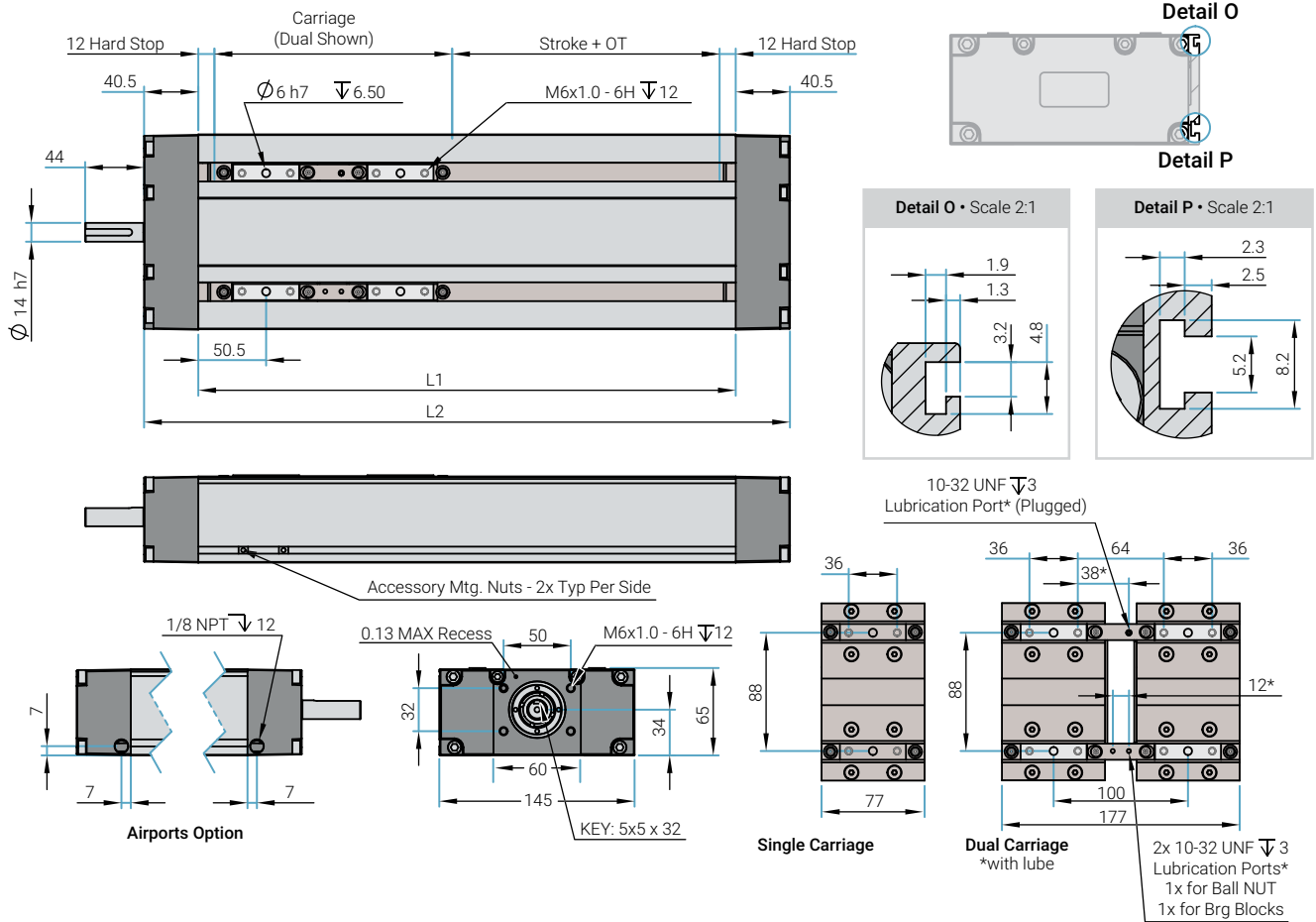
SIZE		MUK65-1			MUK65-2			
		SINGLE CARRIAGE			DUAL CARRIAGE			
Carriages		1			2			
Max Body Length	mm	1750*			1750*			
Min Body Length	mm	150			250			
Pitch	mm	5	10	20	5	10	20	
Screw Diameter	mm	20			20			
Base Weight	kg	2.2			2.8			
Add per 100 mm	kg	1.01			1.01			
Inertia Moment	lx	cm <sup>4</sup>			90			
	ly	cm <sup>4</sup>			687			
Max Load	fx	n	3597	2996	1798	3597	2996	1798
	fy	n	8500			11200		
	fz	n	8500			11200		
Max Moments	mx	nm	550			950		
	my	nm	330			1150		
	mz	nm	330			1150		

\* Consult factory for longer stroke

**Note:** The moments and loads above are maximum values. For further information, contact PBC Linear. Class 7 (52 µm/300 mm ) travel accuracy ball screw is standard.



# DIMENSIONAL INFORMATION



DIMENSION	SINGLE CARRIAGE	DUAL CARRIAGE
L1 (Body Length)	Stroke + 77 + 24 <sup>1</sup> + 40 <sup>2</sup>	Stroke + 177 + 24 <sup>1</sup> + 40 <sup>2</sup>
L2	Body Length + 81	

1 = 24 mm hard stop (12 mm each end)  
 2 = 40 mm recommended over travel

# ORDERING INFORMATION

<b>MUK</b>	<b>65</b>	<b>-</b>	<b>0500</b>	<b>-</b>	<b>20</b>	<b>-</b>	<b>05</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>R</b>	<b>-</b>	<b>A</b>	<b>-</b>	<b>A</b>
<b>SERIES</b>	<b>SIZE</b>		<b>BODY LENGTH</b>		<b>SCREW DIAMETER</b>		<b>SCREW PITCH</b>		<b>CARRIAGES</b>		<b>SCREW TYPE</b>		<b>SHAFT VERSION</b>		<b>AIR PORTS</b>
MUK	65 x 145		MAX 1750 mm		020 mm		05 = 5 mm 10 = 10 mm 20 = 20 mm		1 = Single 2 = Dual 3 = Dual + Lube Ports		Rolled Screw with Ball Recirculating		A = Without Key Shaft B = With Key Shaft		O = None A = Airport

Product information and 2D/3D CAD drawings available for download at [www.pbclinear.com](http://www.pbclinear.com)  
 For technical & application information call **1-800-962-8979**.

The data and specifications in this publication have been carefully compiled and are believed to be accurate and correct. However, it is the responsibility of the user to determine and ensure the suitability of PBC Linear® products for a specific application. PBC Linear only obligation will be to repair or replace without charge, any defective components if returned promptly. No liability is assumed beyond such replacement. Specifications are subject to change without notice.

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