

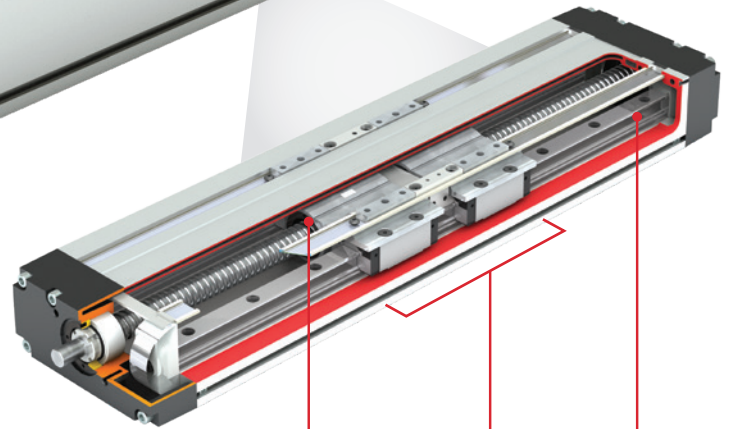
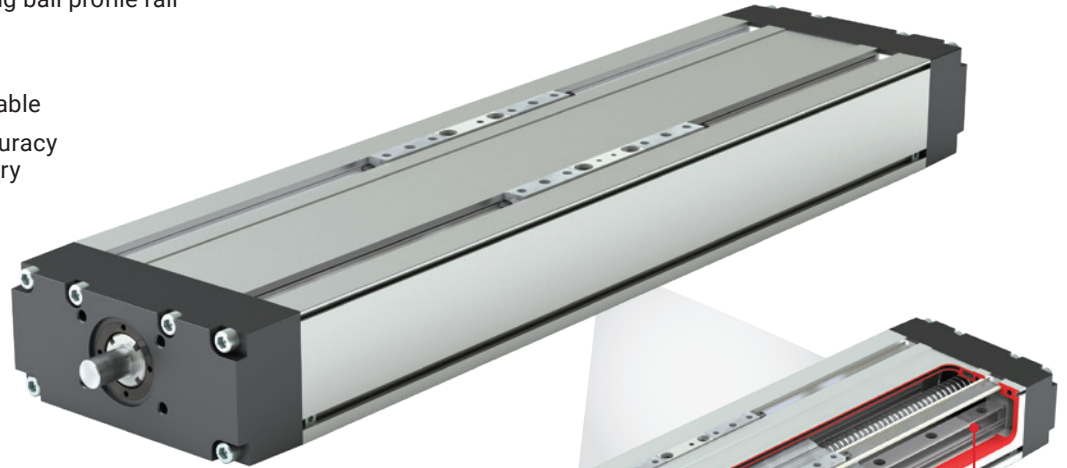
MUK SERIES

Screw Driven Linear Actuator



Features and 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 $\mu\text{m}/300\text{ mm}$) travel accuracy ball screw is standard, consult factory for other options
- Compact aluminum profile incorporates t-slots for easy sensor mounting



Ball screw driven

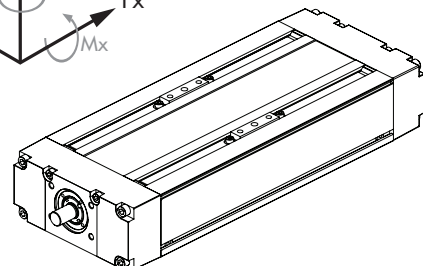
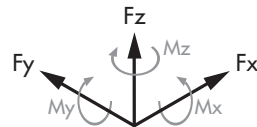
Dual carriage configuration shown, equipped with four profile rail bearing blocks

Incorporates two parallel 20 mm recirculating ball profile rail guideways

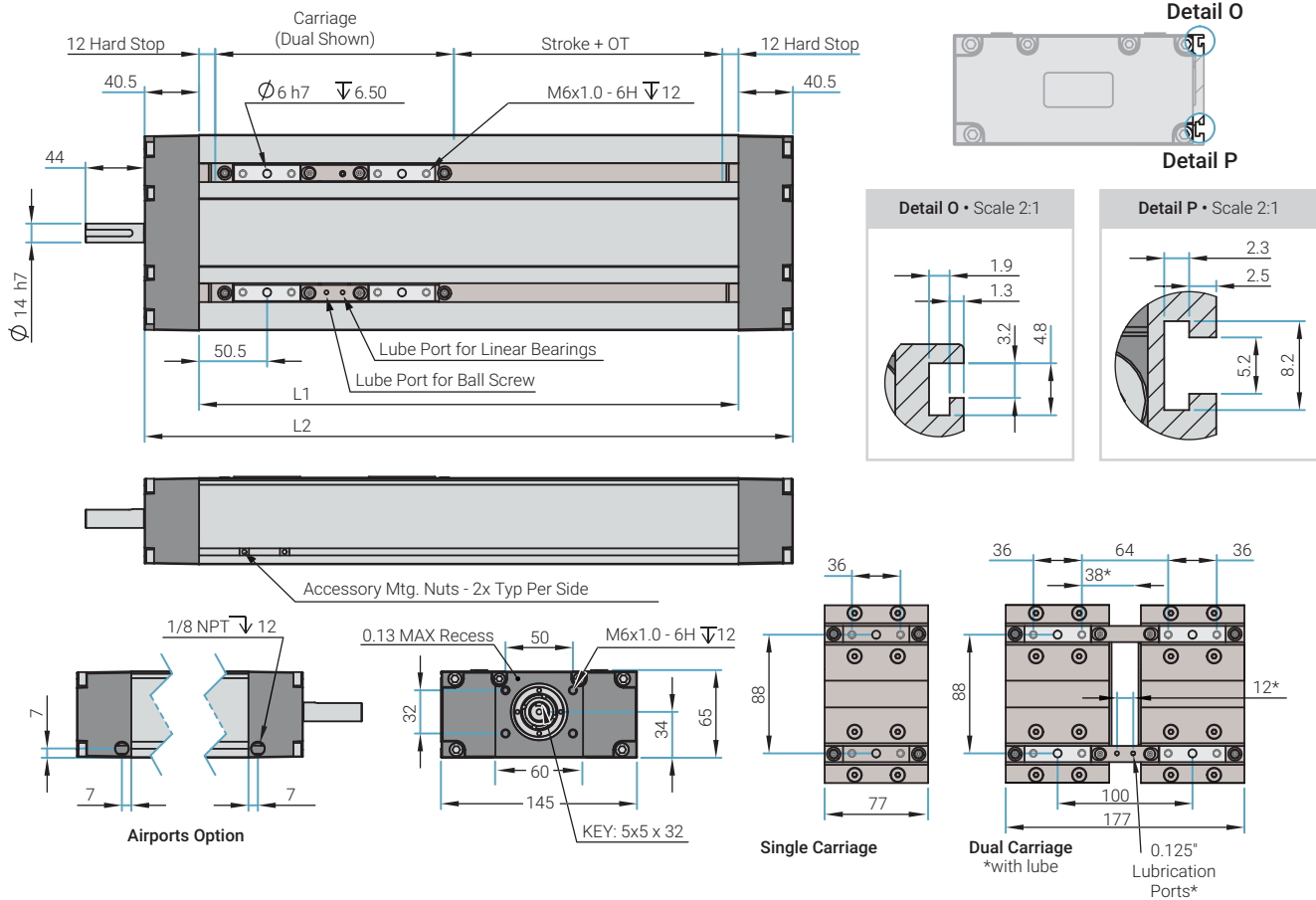
Technical Data			
Size		MUK65-1	MUK65-2
		Single Carriage	Dual Carriage
Carriages		1	2
Max Body Length	mm	1750*	1750*
Min Body Length	mm	150	250
Lead	mm	5 10 20	5 10 20
Screw Diameter	mm	20	20
Base Weight	kg	2.2	2.8
Add per 100 mm	kg	1.01	1.01
Inertia Moment	lx cm ⁴	90	90
	ly cm ⁴	687	687
Max Load	fx 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

* Contact factory for lengths between 750–1750 mm. Consultations available for lengths longer than 1750 mm.

Note: The moments and loads above are maximum values. For further information, contact PBC Linear. Class 7 (52 $\mu\text{m}/300\text{ mm}$) travel accuracy ball screw is standard.



Dimensional information



Dimensions	Single Carriage	Dual Carriage
L1 (Body Length)	Stroke + 77 + 24 ¹ + 40 ²	Stroke + 177 + 24 ¹ + 40 ²
L2	Body Length + 81	

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

Ordering Information

MUK	65	-	0500	-	20	05	-	1	-	R	A	-	A
Series	Size		Body Length		Screw Diameter	Screw Pitch		Carriages		Screw Type	Shaft Version		Air Ports
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		0 = None A = Airport

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Call **1-800-962-8979** for Technical and Application Information

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. LITMUK-003 r9 (02-2020)