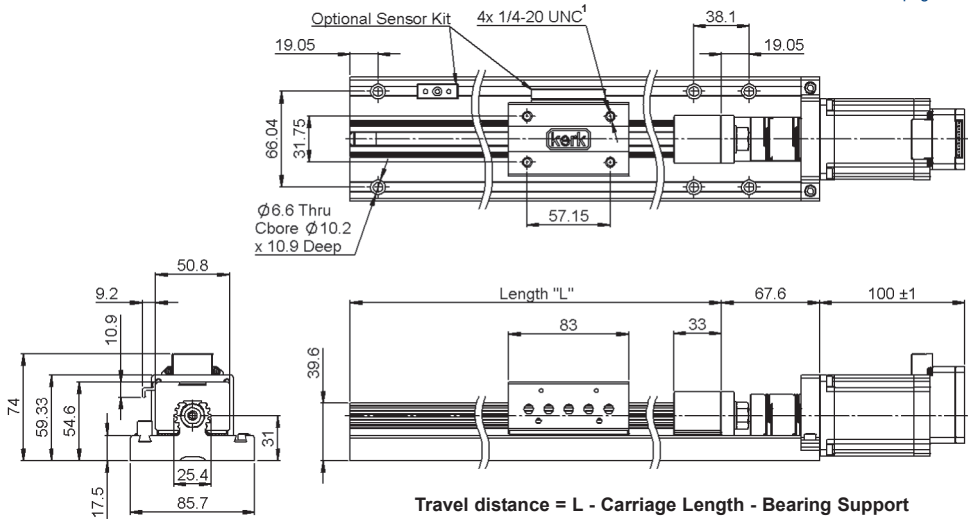




All dimensions in mm unless otherwise stated

Associated Products
Hardware: page 13-1



Travel distance = L - Carriage Length - Bearing Support

Length Tolerances	
< L4	± 0.1
4 < L ≤ 16	± 0.15
16 < L ≤ 63	± 0.2
63 < L ≤ 250	± 0.3

Part number selection table

Example Part No. <u>RCMS23L-M08-C-1-18</u>						
Basic Part Number	Screw Lead mm (Inch)	Motor Interface ²	No. Carriages ³	Linear Resolution (Default) mm	Max Drag Torque Nm	Standard Guide Lengths "L" (Inch)
RCMS23L-M08	8.0	C (Computer)	1	0.0080	0.04	18 24
RCMS23L-0100	(0.100)			0.00254	0.04	12 18 24 36
RCMS23L-0200	(0.200)	P (Pulse)	2	0.00508	0.04	12 18 24 36
RCMS23L-0500	(0.500)			0.0127	0.05	12 18 24 36
RCMS23L-1000	(1.000)			0.0254	0.06	12 18 24 36

¹ Metric mounting configuration available, please enquire

² For explanation of -C and -P type interfaces, see pages 2-2 and T2-2

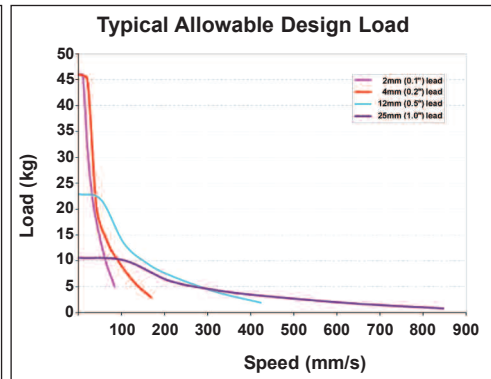
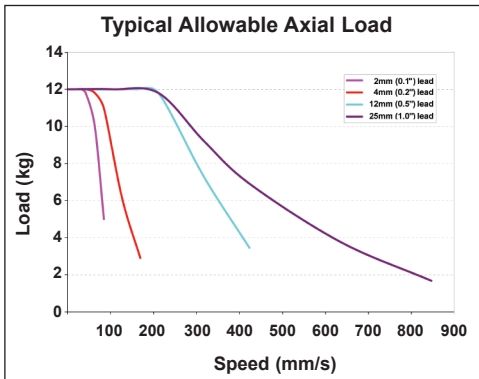
³ Carriage information:

- 1 = 1 driven carriage
- 2 = 1 driven and 1 passive carriage
- 3 = 1 driven and 2 passive carriages



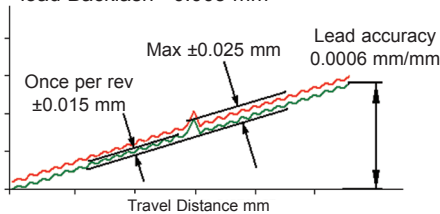
Technical information

Basic Part Number	Life @ ¼ Design Load mm	Torque to Move Carriage Design Load Nm/kg	Carriage Design Load kg	Max Linear Speed mm/sec	Axial Load kg	Screw Inertia kgm ² /m	Carriage Roll Angle Deg.
RCMS23L-M08	254x10 ⁶	0.038	46	267	14	3.9x10 ⁻⁵	1
RCMS23L-0100		0.020		85			
RCMS23L-0200		0.031		169			
RCMS23L-0500		0.047		423			
RCMS23L-1000		0.101		847			



Typical RCMS Accuracy Graph

Based on 0.500 inch lead with a 3 kg load Backlash <0.003 mm



? Technical support

- Products overview - see [page 2-19](#) and [2-2](#)
- Technical information - see [pages T2-1 to T2-8](#)

i Product options

- Special carriage, rail, screw or metric mounting configurations
- Higher accuracy leadscrew
- Left Hand (LH) or Left/Right (L/R) thread
- Metric leads and guide lengths
- Alternative guide lengths
- Sensor kits, add -S to the end of the part number e.g. [RCMS17L-M04-C-1-18-S](#)