

**LTE16-100-B-1204-M-1** **Mesa lineal**

Linear tables with closed shaft guidance system and ball screw drive, with shaft support block type B, with bellows, with single nut

**Información técnica****Variante de su producto actual**

Size code	16	indicación de tamaño
Length of carriage	100	100 mm
Version	B	
Drive type	KGT	Ball screw drive
Spindle pitch	04	4 mm
Spindle diameter	12	12mm
Spindle nut design	M	Cylinder nut
Bellow	1	Yes

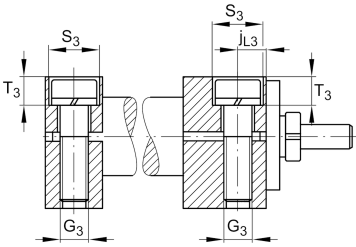
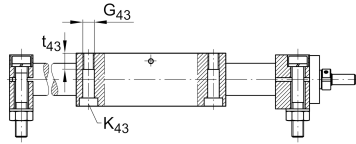
**Medidas principales y datos de rendimiento**

B 1	100 mm	Total Width
L	100 mm	Length of Carriage



**Medidas de montaje**

B 4B	100 mm	Width of Shaft Support Blocks
b 87	44 mm	Tolerance $\pm 0,2$
d 74	38 mm	
d 85	5 mm	Tolerance h7
d 86	24 mm	Tolerance g7
G 3	M8	Thread
G 43	M6	Thread
G 87	M5x12	Thread
h 85	20 mm	
h 87	22 mm	Tolerance $\pm 0,2$
J B43	88 mm	
J L43	88 mm	
j B4	82 mm	
j L3	9 mm	
K 43	M5	Thread
L 85	12 mm	
L 86	1,5 mm	
L 88	28,5 mm	
S 3	15 mm	
T 3	8 mm	
t 43	13 mm	Depth of Thread



### Medidas

B <sub>B</sub>	20 mm	Length of Bellows Fastener
F <sub>BL</sub>	1,5	Effective length factor of bellow
H <sub>1</sub>	36 mm	Height of Carriage
H <sub>4B</sub>	32 mm	Height of Shaft Support Blocks
H <sub>5B</sub>	32 mm	Height of Shaft Support Blocks
h <sub>1</sub>	18 mm	
h <sub>4B</sub>	16 mm	
h <sub>5B</sub>	16 mm	
L <sub>4</sub>	24 mm	Length of Shaft Support Block with Drive System
L <sub>5</sub>	18 mm	Length of Shaft Support Block without drive System
L <sub>74</sub>	6,5 mm	
D <sub>7</sub>	16 mm	Ø Shaft, Tolerance h7



### Datos técnicos

R <sub>x</sub>	55,6 mm	
R <sub>z</sub>	54 mm	
S	4 mm	Safety Distance
m <sub>LAW</sub>	0,86 kg	Mass of Carriage
v <sub>max</sub>	0,3 m/s	Maximum Speed
a <sub>max</sub>	20 m/s <sup>2</sup>	Maximum Acceleration
C <sub>I</sub>	1.870 N	Load direction I: compressive load
C <sub>0I</sub>	2.120 N	Load direction I: compressive load
C <sub>II</sub>	1.870 N	Load direction II: tensile load
C <sub>0II</sub>	2.120 N	Load direction II: tensile load
C <sub>III</sub>	1.870 N	Load direction III: lateral load
C <sub>0III</sub>	2.120 N	Load direction III: lateral load
M <sub>0x per</sub>	57 Nm	Max. permissible static moment per Carriage
M <sub>0y per</sub>	48 Nm	Max. permissible static moment per Carriage
M <sub>0z per</sub>	45 Nm	Max. permissible static moment per Carriage
d <sub>0</sub>	12 mm	Spindle Diameter
P	4 mm	Spindle Pitch
C	4.900 N	Load capacity Spindle Nut dyn
C <sub>0</sub>	6.600 N	Load capacity Spindle Nut stat
C <sub>a</sub>	6.900 N	Load capacity fixed Spindle bearing dyn
C <sub>0a</sub>	8.500 N	Load capacity fixed Spindle bearing stat

### Información adicional

1,5 Nm	Max. permissible drive torque
KB16-P	Linear Ball Bearings
ZKLN0624-2RS-PE	Rolling Bearings (locating bearing)
0,05 mm	Repeat accuracy ±
0,11 kg*cm <sup>2</sup>	Mass moment of inertia of threaded Spindle



### Rango de temperatura

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0 °C

Minimum operating Temperatur

80 °C

Maximum operating Temperatur