

**LTE30-180-B-2005-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	30	
Length of carriage	180	180 mm
Version	B	
Drive type	KGT	Ball screw drive
Spindle pitch	05	5 mm
Spindle diameter	20	20mm
Spindle nut design	M	Cylinder nut
Bellow	1	Yes

**Medidas principales y datos de rendimiento**

B 1	180 mm	Total Width
L	180 mm	Length of Carriage



### Medidas de montaje

B 4B	180 mm	Width of Shaft Support Blocks
b 87	68 mm	Tolerance $\pm 0,2$
d 85	10 mm	Tolerance h7
d 86	60 mm	Tolerance g7
G 3	M12	Thread
G 43	M12	Thread
G 87	M6x15	Thread
h 85	35 mm	
h 87	44 mm	Tolerance $\pm 0,2$
J B43	158 mm	
J L43	158 mm	
j B4	150 mm	
j L3	12,5 mm	
K 43	M10	Thread
L 85	18 mm	
L 86	9 mm	
L 88	36,5 mm	
S 3	20 mm	
T 3	15,5 mm	
t 43	26 mm	Depth of Thread



### Medidas

B B	21 mm	Length of Bellows Fastener
F <sub>BL</sub>	1,27	Effective length factor of bellow
H <sub>1</sub>	64 mm	Height of Carriage
H <sub>4B</sub>	58 mm	Height of Shaft Support Blocks
H <sub>5B</sub>	58 mm	Height of Shaft Support Blocks
h <sub>1</sub>	32 mm	
h <sub>4B</sub>	29 mm	
h <sub>5B</sub>	29 mm	
L <sub>4</sub>	38 mm	Length of Shaft Support Block with Drive System
L <sub>5</sub>	25 mm	Length of Shaft Support Block without drive System
D <sub>7</sub>	30 mm	Ø Shaft, Tolerance h7



### Datos técnicos

R <sub>x</sub>	98,6 mm	
R <sub>z</sub>	96 mm	
S	5 mm	Safety Distance
m <sub>LAW</sub>	5,04 kg	Mass of Carriage
v <sub>max</sub>	0,29 m/s	Maximum Speed
a <sub>max</sub>	20 m/s <sup>2</sup>	Maximum Acceleration
C <sub>I</sub>	9.500 N	Load direction I: compressive load
C <sub>0I</sub>	11.400 N	Load direction I: compressive load
C <sub>II</sub>	9.500 N	Load direction II: tensile load
C <sub>0II</sub>	11.400 N	Load direction II: tensile load
C <sub>III</sub>	9.500 N	Load direction III: lateral load
C <sub>0III</sub>	11.400 N	Load direction III: lateral load
M <sub>0x per</sub>	540 Nm	Max. permissible static moment per Carriage
M <sub>0y per</sub>	503 Nm	Max. permissible static moment per Carriage
M <sub>0z per</sub>	393 Nm	Max. permissible static moment per Carriage
d <sub>0</sub>	20 mm	Spindle Diameter
P	5 mm	Spindle Pitch
C	10.500 N	Load capacity Spindle Nut dyn
C <sub>0</sub>	16.600 N	Load capacity Spindle Nut stat
C <sub>a</sub>	17.900 N	Load capacity fixed Spindle bearing dyn
C <sub>0a</sub>	28.000 N	Load capacity fixed Spindle bearing stat

### Información adicional

17 Nm	Max. permissible drive torque
KB30-P	Linear Ball Bearings
ZKLN1545-2RS-PE	Rolling Bearings (locating bearing)
0,05 mm	Repeat accuracy ±
0,846 kg*cm <sup>2</sup>	Mass moment of inertia of threaded Spindle



### Rango de temperatura

---

0 °C

Minimum operating Temperatur

80 °C

Maximum operating Temperatur