

## Linear tables with closed shaft guidance system, without drive LTE25-160-A-1 (Series LTE..-A-OA-1)

with shaft support block type A, with bellows

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all the guidelines in these overview pages. Further information is given on many products under the menu item "Description". You can also order comprehensive information via the Catalogue ordering system ([https://www.schaeffler.de/content.schaeffler.de/en/news\\_media/index.jsp](https://www.schaeffler.de/content.schaeffler.de/en/news_media/index.jsp)) or by telephone on +49 (91 32) 82 - 28 97.

B <sub>1</sub>	160 mm
H	58 mm
L	160 mm
<p>Length calculation:  <math>L_{tot} = \text{total stroke} * FBL + L + 2 * L3 + BB</math>            Total stroke (GH) = effective stroke + 2 x S (mm)            ATTENTION: The allowance S designates a safety range suitable for the particular application.            Observe:            - The maximum possible support rail length L<sub>tot</sub> of the actuator.</p>	
1)	Lubrication nipple to DIN 3405-A M6.
2)	Filling openings.
3)	Switching tag connectors on carriage.
B <sub>3A</sub>	160 mm

BB	21 mm	
D3	13,5 mm	
D7	25 mm	Tolerance for diameter: h7
FBL	1,34	
G43	M10	
H1	56 mm	
h1	28 mm	
H3A	56 mm	
h3A	30 mm	
jB3	132 mm	
jB43	140 mm	
jL3	12,5 mm	
JL43	140 mm	
K43	M8	
L3	25 mm	
L <sub>tot</sub>	2000 mm	Appropriate maximum total length of linear tables LTE taking account of deflection.
R <sub>x</sub>	88,6 mm	
R <sub>z</sub>	88 mm	
S	0 mm	

S <sub>3</sub>	20 mm	
T <sub>3</sub>	15,5 mm	
t <sub>43</sub>	22 mm	
m <sub>LAW</sub>	3,5 kg	
m <sub>BOL</sub>	$L_{tot} * 0,0077 + 4,9$ kg	
		<p>Total mass calculation:  <math>m_{tot} = m_{LAW} + m_{BOL} + m_1 + m_2 + m_3</math>                      - Insert given masses.                      - Unavailable masses = 0.</p>
v <sub>max</sub>	5 m/s	
a <sub>max</sub>	50 m/s <sup>2</sup>	
	(0)-(+80) °C	Operating temperature
	KB25-P	Linear ball bearings
C	7390 N	<p>Load direction I: minimum compressive load                      The deflection of the shafts must be taken into consideration.                      Design of linear ball bearing guidance systems: see                      Catalogue WF1.</p>
C <sub>0</sub>	8880 N	<p>Load direction I: minimum compressive load                      The deflection of the shafts must be taken into consideration.                      Design of linear ball bearing guidance systems: see                      Catalogue WF1.</p>
C	7390 N	<p>Load direction II: minimum tensile load                      The deflection of the shafts must be taken into consideration.</p>

		Design of linear ball bearing guidance systems: see Catalogue WF1.
Co	8880 N	Load direction II: minimum tensile load The deflection of the shafts must be taken into consideration. Design of linear ball bearing guidance systems: see Catalogue WF1.
C	7390 N	Load direction II: minimum lateral load The deflection of the shafts must be taken into consideration. Design of linear ball bearing guidance systems: see Catalogue WF1.
Co	8880 N	Load direction II: minimum lateral load The deflection of the shafts must be taken into consideration. Design of linear ball bearing guidance systems: see Catalogue WF1.
M0x per	390 Nm	Permissible static moment rating (per carriage) These values apply if load is evenly distributed over all four linear ball bearings. Values are individual loads. If combined loads are present, these must be reduced. For design criteria of the linear guidance system, see Catalogue WF1.
M0y per	340 Nm	Permissible static moment rating (per carriage) These values apply if load is evenly distributed over all four linear ball bearings. Values are individual loads. If combined loads are present, these must be reduced. For design criteria of the linear guidance system, see Catalogue WF1.
M0z per	280 Nm	Permissible static moment rating (per carriage) These values apply if load is evenly distributed over all four linear ball bearings. Values are individual loads. If combined loads are present, these must be reduced. For design criteria of the linear guidance system, see Catalogue

WF1.







