

**LTE50-280-B-3240-M-0** **Mesa lineal**

Linear tables with closed shaft guidance system and ball screw drive, with shaft support block type B, without bellows, with single nut

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

|                    |     |                  |
|--------------------|-----|------------------|
| Size code          | 50  |                  |
| Length of carriage | 280 | 280 mm           |
| Version            | B   |                  |
| Drive type         | KGT | Ball screw drive |
| Spindle pitch      | 40  | 40 mm            |
| Spindle diameter   | 32  | 32mm             |
| Spindle nut design | M   | Cylinder nut     |
| Bellow             | 0   | No               |

**Medidas principales y datos de rendimiento**

|     |        |                    |
|-----|--------|--------------------|
| B 1 | 280 mm | Total Width        |
| L   | 280 mm | Length of Carriage |



**Medidas de montaje**

|       |        |                               |
|-------|--------|-------------------------------|
| B 4B  | 280 mm | Width of Shaft Support Blocks |
| b 87  | 62 mm  | Tolerance $\pm 0,2$           |
| d 85  | 16 mm  | Tolerance h7                  |
| d 86  | 72 mm  | Tolerance g7                  |
| G 3   | M16    | Thread                        |
| G 43  | M16    | Thread                        |
| G 87  | M8x18  | Thread                        |
| h 85  | 52 mm  |                               |
| h 87  | 62 mm  | Tolerance $\pm 0,2$           |
| J B43 | 250 mm |                               |
| J L43 | 250 mm |                               |
| j B4  | 240 mm |                               |
| j L3  | 15 mm  |                               |
| K 43  | M12    | Thread                        |
| L 85  | 23 mm  |                               |
| L 86  | 9 mm   |                               |
| L 88  | 46 mm  |                               |
| S 3   | 26 mm  |                               |
| T 3   | 21 mm  |                               |
| t 43  | 34 mm  | Depth of Thread               |



### Medidas

|      |       |  |
|------|-------|--|
| H 1  | 96 mm | Height of Carriage                                 |
| H 4B | 88 mm | Height of Shaft Support Blocks                     |
| H 5B | 88 mm | Height of Shaft Support Blocks                     |
| h 1  | 48 mm |  |
| h 4B | 44 mm |  |
| h 5B | 44 mm |  |
| L 4  | 42 mm | Length of Shaft Support Block with Drive System    |
| L 5  | 30 mm | Length of Shaft Support Block without drive System |
| D 7  | 50 mm | Ø Shaft, Tolerance h7                              |



### Datos técnicos

|                     |                     |   |
|---------------------|---------------------|---|
| R <sub>x</sub>      | 163 mm              |   |
| R <sub>z</sub>      | 152 mm              |   |
| S                   | 40 mm               | Safety Distance                             |
| m <sub>LAW</sub>    | 16,5 kg             | Mass of Carriage                            |
| v <sub>max</sub>    | 2 m/s               | Maximum Speed                               |
| a <sub>max</sub>    | 20 m/s <sup>2</sup> | Maximum Acceleration                        |
| C <sub>I</sub>      | 22.950 N            | Load direction I: compressive load          |
| C <sub>0I</sub>     | 25.200 N            | Load direction I: compressive load          |
| C <sub>II</sub>     | 22.950 N            | Load direction II: tensile load             |
| C <sub>0II</sub>    | 25.200 N            | Load direction II: tensile load             |
| C <sub>III</sub>    | 22.950 N            | Load direction III: lateral load            |
| C <sub>0III</sub>   | 25.200 N            | Load direction III: lateral load            |
| M <sub>0x per</sub> | 1.904 Nm            | Max. permissible static moment per Carriage |
| M <sub>0y per</sub> | 1.736 Nm            | Max. permissible static moment per Carriage |
| M <sub>0z per</sub> | 1.510 Nm            | Max. permissible static moment per Carriage |
| d <sub>0</sub>      | 32 mm               | Spindle Diameter                            |
| P                   | 40 mm               | Spindle Pitch                               |
| C                   | 14.900 N            | Load capacity Spindle Nut dyn               |
| C <sub>0</sub>      | 32.400 N            | Load capacity Spindle Nut stat              |
| C <sub>a</sub>      | 26.000 N            | Load capacity fixed Spindle bearing dyn     |
| C <sub>0a</sub>     | 47.000 N            | Load capacity fixed Spindle bearing stat    |

### Información adicional

|                         |  |
|-------------------------|--|
| 50 Nm                   | Max. permissible drive torque              |
| KB50-P                  | Linear Ball Bearings                       |
| ZKLN2052-2RS-PE         | Rolling Bearings (locating bearing)        |
| 0,05 mm                 | Repeat accuracy ±                          |
| 6,43 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