

**MKUVE15-160-KGT/10-F-2SPU-N** [↗](#)

## Módulo lineal

Actuators with four-row linear recirculating bearing and guideway assembly, monorail guidance system and ball screw drive. With double spindle support, single nut and fixing slots in carriage

## Información técnica



## Variante de su producto actual

|                            |      |                        |
|----------------------------|------|------------------------|
| Size code                  | 15   |                        |
| Length of carriage         | 160  | 160 mm                 |
| Drive type                 | KGT  | Ball screw drive       |
| Spindle pitch              | 10   | 10 mm                  |
| Spindle nut design         | F    | Flange nut             |
| Additional carriage        | /    | No additional carriage |
| Spindle support            | 2SPU | Double spindle support |
| Attachment to the carriage | N    | T-Slots                |

## Medidas principales y datos de rendimiento

|                |        |                    |
|----------------|--------|--------------------|
| L              | 160 mm | Length of Carriage |
| H              | 85 mm  | Total Height       |
| B <sub>2</sub> | 65 mm  | Total Width        |



**Medidas de montaje**

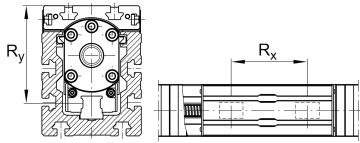
|          |          |                                |
|----------|----------|--------------------------------|
| B 1      | 63 mm    | Width of Carriage              |
| b 87     | 51 mm    |                                |
| d 85     | 10 mm    |                                |
| Tol d 85 | h6       | Tolerance                      |
| d 86     | 60 mm    |                                |
| Tol d 86 | h7       | Tolerance                      |
| G 87     | M6       | Thread                         |
| h 13     | 22 mm    |                                |
| h 14     | 44 mm    |                                |
| h 85     | 52,5 mm  |                                |
| h 87     | 51 mm    |                                |
| J B43    | 30 mm    |                                |
| j B8     | 40 mm    |                                |
| L 2 max  | 5.850 mm | Maximum length of Support Rail |
| L 85     | 23 mm    |                                |
| L 86     | 12,2 mm  |                                |
| L 88     | 38 mm    |                                |
| N B43    | 10 mm    |                                |
| N B85    | 3 mm     | Tolerance P9                   |
| N L43    | 15 mm    |                                |
| N L85    | 18 mm    | Length of Keyway               |
| N T85    | 1,8 mm   | Depth of Keyway                |
| t 87     | 13 mm    | Depth of Thread                |



### Medidas

|                 |       |                                   |
|-----------------|-------|-----------------------------------|
| B <sub>5</sub>  | 64 mm | Width of End Plates               |
| F <sub>BL</sub> | 1,2   | Effective length factor of bellow |
| H <sub>2</sub>  | 68 mm | Width of Support Rail             |
| H <sub>5</sub>  | 84 mm |                                   |
| L <sub>4</sub>  | 25 mm |                                   |
| L <sub>5</sub>  | 25 mm |                                   |



**Datos técnicos**

|                    |                          |  |
|--------------------|--------------------------|--|
| $R_x$              | 74,6 mm                  |  |
| $R_y$              | 64,9 mm                  |  |
| S                  | 10 mm                    | Safety Distance                                |
| $m_{LAW}$          | 1,16 kg                  | Mass of Carriage                               |
| $v_{max}$          | 0,63 m/s                 | Maximum Speed                                  |
| $a_{max}$          | 20 m/s <sup>2</sup>      | Maximum Acceleration                           |
| IC                 | 11.700 N                 | Load direction I: compressive load             |
| I C <sub>0</sub>   | 29.000 N                 | Load direction I: compressive load             |
| II C               | 11.700 N                 | Load direction II: tensile load                |
| II C <sub>0</sub>  | 29.000 N                 | Load direction II: tensile load                |
| III C              | 11.700 N                 | Load direction III: lateral load               |
| III C <sub>0</sub> | 29.000 N                 | Load direction III: lateral load               |
| $M_{0x\ per}$      | 245 Nm                   | Max. permissible static moment per Carriage    |
| $M_{0y\ per}$      | 500 Nm                   | Max. permissible static moment per Carriage    |
| $M_{0z\ per}$      | 600 Nm                   | Max. permissible static moment per Carriage    |
| $I_y$              | 96 cm <sup>4</sup>       | Geometrical moments of inertia of Support Rail |
| $I_z$              | 77 cm <sup>4</sup>       | Geometrical moments of inertia of Support Rail |
| $C_{a\ MU}$        | 15.400 N                 | Load capacity spindle nut dyn                  |
| $C_{0a\ MU}$       | 26.500 N                 | Load capacity spindle nut stat                 |
| $C_{a\ L}$         | 16.900 N                 | Load capacity fixed Spindle bearing dyn        |
| $C_{0a\ L}$        | 24.700 N                 | Load capacity fixed Spindle bearing stat       |
| $d_0$              | 16 mm                    | Spindle Diameter                               |
| P                  | 10 mm                    | Spindle Pitch                                  |
| $I_s$              | 0,321 kg*cm <sup>2</sup> | Mass moment of inertia of threaded Spindle     |
| 2SPU               | Ja                       | Double Spindle Support                         |



Ver detalles del producto en Medias

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### Información adicional

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ZKLN1242-2RS-PE Rolling Bearings

F Drive System

2 x KWVE15-B-S Carriage