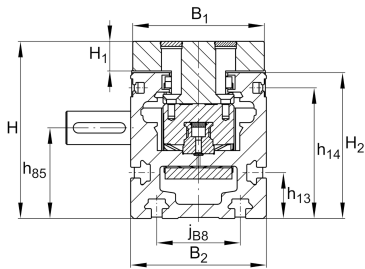
**MKUVE15-400-ZR** [↗](#)

Módulo lineal

Actuators with four-row linear recirculating ball bearing and guideway assembly, monorail guidance system and toothed belt drive. Basic carriage, one driven carriage

Información técnica



Variante de su producto actual

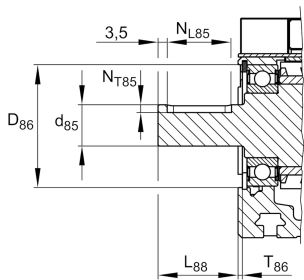
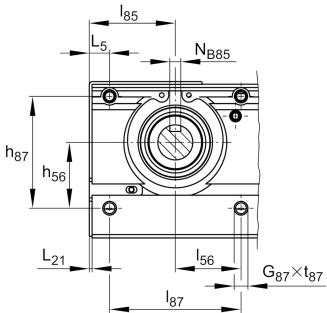
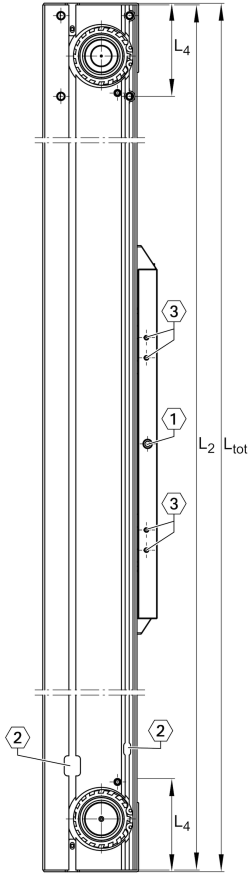
| | | |
|----------------------------|-------|------------------------|
| Size code | 15 | |
| Length of carriage | 400 | 400 mm |
| Ejecución | / | Basis |
| Drive type | (3)ZR | Toothed belt drive |
| Additional carriage | / | No additional carriage |
| Attachment to the carriage | / | Threaded holes |

n.r.

/ Support Rail Design

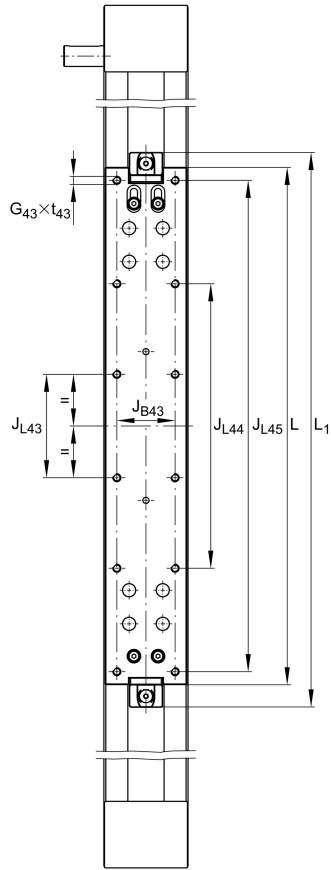
Medidas principales y datos de rendimiento

| | | |
|----------------|--------|--------------------|
| B ₂ | 65 mm | Total Width |
| H | 85 mm | Total Height |
| L | 400 mm | Length of Carriage |



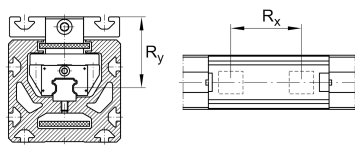
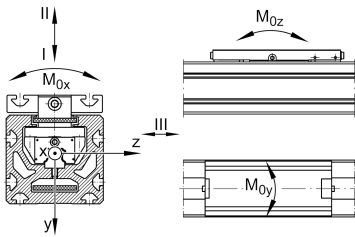
Medidas de montaje

| | | |
|----------|----------|--------------------------------|
| B 1 | 63 mm | Width of Carriage |
| D 86 | 47 mm | |
| Tol D 86 | +0,03 | Tolerance |
| d 85 | 16 mm | Tolerance h7 |
| G 43 | M6 | |
| G 87 | M6 | |
| h 13 | 22 mm | |
| h 14 | 62,7 mm | |
| h 56 | 30 mm | |
| h 87 | 51 mm | Tolerance ±0,2 |
| J B43 | 45 mm | |
| J L43 | 80 mm | |
| J L44 | 220 mm | |
| J L45 | 380 mm | |
| j B8 | 40 mm | |
| L 2 max | 6.000 mm | Maximum length of Support Rail |
| L 88 | 31 mm | |
| N B85 | 5 mm | Tolerance P9 |
| N L85 | 25 mm | Length of Keyway |
| N T85 | 3 mm | Depth of Keyway |
| t 43 max | 14 mm | Depth of Thread |
| t 87 max | 12 mm | Depth of Thread |



Medidas

| | | |
|-----------------|---------|------------------------|
| H ₁ | 14,2 mm | Height of Carriage |
| H ₂ | 70 mm | Height of Support Rail |
| h ₈₅ | 43,5 mm | |
| L ₁ | 438 mm | |
| L ₄ | 77,5 mm | Length of Return Unit |
| L ₅ | 9,3 mm | |
| L ₂₁ | 1 mm | |
| l ₈₅ | 39,3 mm | |
| l ₈₇ | 60 mm | Tolerance ±0,2 |
| T ₈₆ | 1,6 mm | Depth Fit |





Datos técnicos

| | | |
|--------------------|---------------------|--|
| R_x | 280 mm | |
| R_y | 44 mm | |
| S | 85 mm | Safety Distance |
| m_{LAW} | 3,2 kg | |
| v_{max} | 5 m/s | Maximum Speed |
| a_{max} | 30 m/s ² | Maximum Acceleration |
| I C | 11.700 N | Load direction I: compressive load |
| I C ₀ | 29.000 N | Load direction I: compressive load |
| II C | 11.700 N | Load direction II: tensile load |
| II C ₀ | 29.000 N | Load direction II: tensile load |
| III C | 11.700 N | Load direction III: lateral load |
| III C ₀ | 29.000 N | Load direction III: lateral load |
| $M_{Ox\ per}$ | 300 Nm | Max. permissible static moment per Carriage |
| $M_{Oy\ per}$ | 2.600 Nm | Max. permissible static moment per Carriage |
| $M_{Oz\ per}$ | 3.100 Nm | Max. permissible static moment per Carriage |
| I_y | 84 cm ⁴ | Geometrical moments of inertia of Support Rail |
| I_z | 107 cm ⁴ | Geometrical moments of inertia of Support Rail |

Información adicional

| | |
|------------------------|--|
| 32 Nm | Max. permissible drive torque |
| 2xKWVE15-B-S | Carriage |
| 0,1 mm | Repeat Accuracy ± |
| 144 mm | Feed (mm/rotation) |
| W-8-PU-32-STD | Toothed Belt |
| 0,36 kg/m | Mass of Toothed Belt |
| 1.400 N | Permissible Toothed Belt operating force |
| 1,3 kg*cm ² | Mass moment of inertia of Gears |



Rango de temperatura

| | | |
|-----|-------|------------------------------|
| max | 80 °C | Maximum operating Temperatur |
| min | 0 °C | Minimum operating Temperatur |