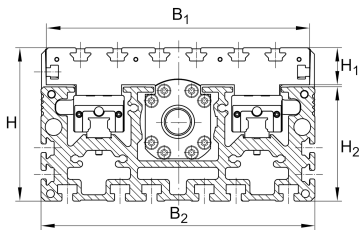


**MDKUBE15-240-KGT/5-FM-N** [↗](#)

Módulo lineal

Tandem actuators with four-row linear recirculating bearing and guideway assembly, monorail guidance system and ball screw drive. Basic design, one driven carriage with double nut and fixing slots in carriage

Información técnica

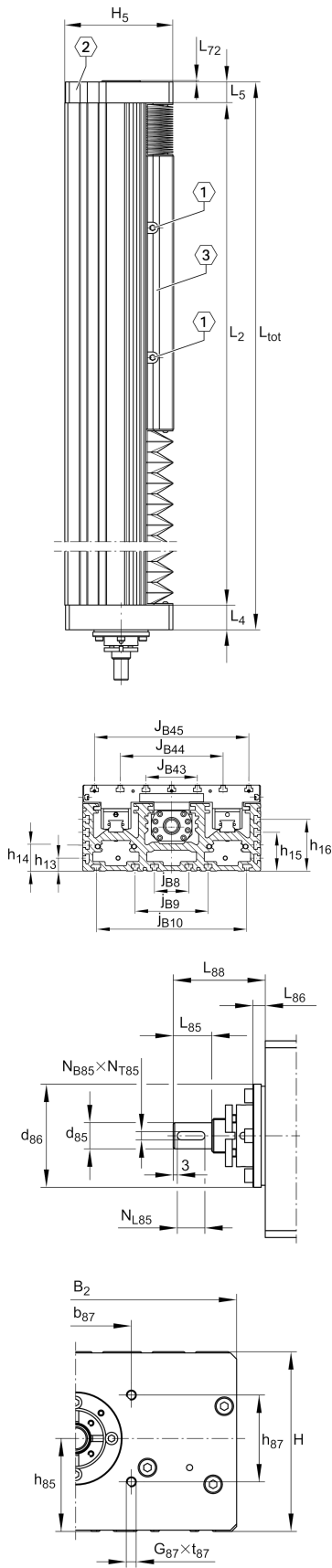


Variante de su producto actual

| | | |
|----------------------------|-----|---------------------------|
| Size code | 15 | |
| Length of carriage | 240 | 240 mm |
| Drive type | KGT | Ball screw drive |
| Spindle pitch | 05 | 5 mm |
| Spindle nut design | FM | Flange nut & cylinder nut |
| Additional carriage | / | No additional carriage |
| Spindle support | / | None |
| Attachment to the carriage | N | T-Slots |

Medidas principales y datos de rendimiento

| | | |
|----------------|--------|--------------------|
| L | 240 mm | Length of Carriage |
| H | 105 mm | Total Height |
| B ₂ | 180 mm | Total Width |



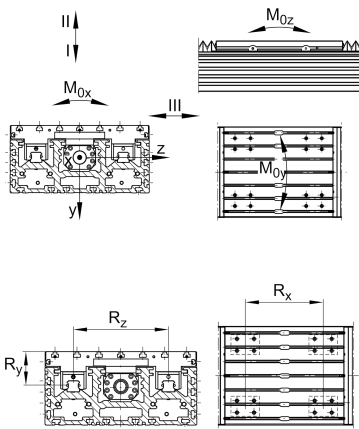
Medidas de montaje

| | | |
|----------|----------|--------------------------------|
| B 1 | 176 mm | Width of Carriage |
| b 87 | 68 mm | |
| d 85 | 13 mm | |
| Tol d 85 | h6 | Tolerance |
| d 86 | 60 mm | |
| Tol d 86 | h7 | Tolerance |
| G 87 | M6 | Thread |
| h 13 | 25 mm | |
| h 14 | 45 mm | |
| h 85 | 60,5 mm | |
| h 87 | 46 mm | |
| J B43 | 80 mm | |
| J B44 | 130 mm | |
| j B8 | 70 mm | |
| j B9 | 140 mm | |
| L 2 max | 5.850 mm | Maximum length of Support Rail |
| L 85 | 23 mm | |
| L 86 | 8 mm | |
| L 88 | 42 mm | |
| N B43 | 14 mm | |
| N B85 | 5 mm | Tolerance P9 |
| N L43 | 20 mm | |
| N L85 | 18 mm | Length of Keyway |
| N T85 | 3,5 mm | Depth of Keyway |
| t 87 | 15 mm | Depth of Thread |



Medidas

| | | |
|----------|----------|-----------------------------------|
| B_5 | 179 mm | Width of End Plates |
| F_{BL} | 1,15 | Effective length factor of bellow |
| H_1 | 29,3 mm | Height of Carriage |
| H_2 | 74,5 mm | Width of Support Rail |
| H_5 | 103,5 mm | |
| L_4 | 28 mm | |
| L_5 | 28 mm | |
| I_{41} | 20 mm | |
| I_{42} | 26 mm | |
| S_{41} | 10 mm | |





Datos técnicos

| | | |
|--------------------|--------------------------|--|
| R_x | 174 mm | |
| R_y | 56,5 mm | |
| R_z | 104 mm | |
| S | 5 mm | Safety Distance |
| m_{LAW} | 4,61 kg | Mass of Carriage |
| v_{max} | 0,29 m/s | Maximum Speed |
| a_{max} | 10 m/s ² | Maximum Acceleration |
| IC | 19.000 N | Load direction I: compressive load |
| I C ₀ | 58.000 N | Load direction I: compressive load |
| II C | 19.000 N | Load direction II: tensile load |
| II C ₀ | 58.000 N | Load direction II: tensile load |
| III C | 19.000 N | Load direction III: lateral load |
| III C ₀ | 58.000 N | Load direction III: lateral load |
| $M_{0x\ per}$ | 2.700 Nm | Max. permissible static moment per Carriage |
| $M_{0y\ per}$ | 2.950 Nm | Max. permissible static moment per Carriage |
| $M_{0z\ per}$ | 3.450 Nm | Max. permissible static moment per Carriage |
| I_y | 1.636 cm ⁴ | Geometrical moments of inertia of Support Rail |
| I_z | 200 cm ⁴ | Geometrical moments of inertia of Support Rail |
| $C_{a\ MU}$ | 10.500 N | Load capacity spindle nut dyn |
| $C_{0a\ MU}$ | 16.600 N | Load capacity spindle nut stat |
| $C_{a\ L}$ | 17.900 N | Load capacity fixed Spindle bearing dyn |
| $C_{0a\ L}$ | 28.000 N | Load capacity fixed Spindle bearing stat |
| d_0 | 20 mm | Spindle Diameter |
| P | 5 mm | Spindle Pitch |
| I_s | 0,846 kg*cm ² | Mass moment of inertia of threaded Spindle |



Ver detalles del producto en Medias

11.11.2025, 18:04:59 UTC

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Información adicional

| | |
|-----------------|------------------|
| ZKLF1560-2RS-PE | Rolling Bearings |
|-----------------|------------------|

| | |
|----|--------------|
| FM | Drive System |
|----|--------------|

| | |
|--------------|----------|
| 4xKWVE15-B-H | Carriage |
|--------------|----------|