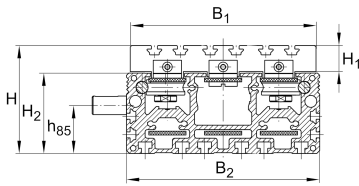
**MLFI200-500-3ZR-N** [↗](#)

Módulo lineal

Actuators with internal track roller guidance system and toothed belt drive. With triple toothed belt and fixing slots in carriage

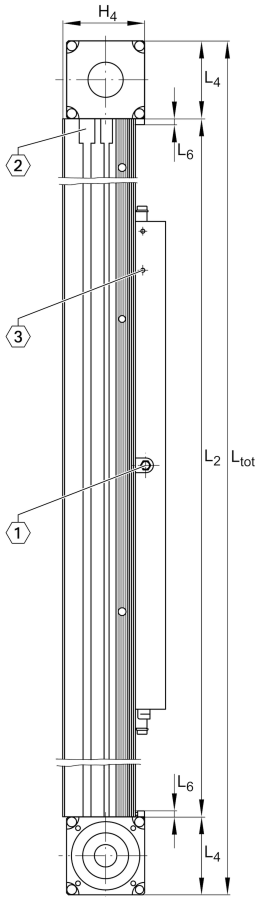
Información técnica

**Variante de su producto actual**

Size code	200	
Length of carriage	500	500 mm
Version	/	Standard
Ejecución	/	Basis
Drive type	(3)ZR	Toothed belt drive
Additional carriage	/	No additional carriage
Attachment to the carriage	N	T-Slots
Support rail design	/	One-piece

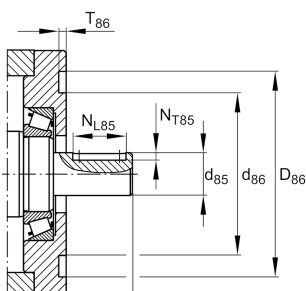
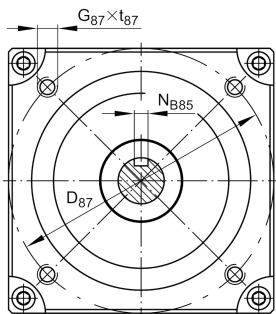
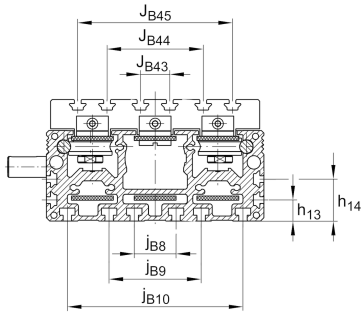
Medidas principales y datos de rendimiento

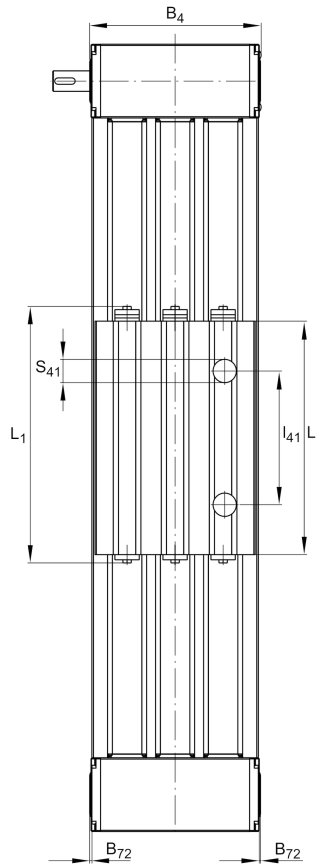
B ₂	260 mm	Total Width
H	145 mm	Altura
L	500 mm	Longitud



Medidas de montaje

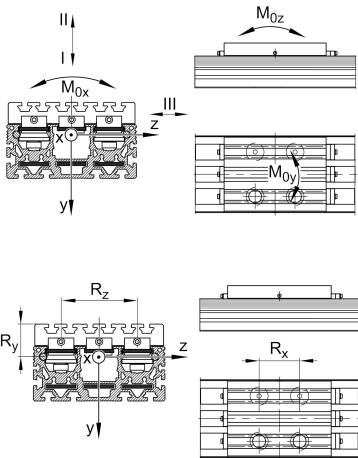
D 86	95 mm	
Tol D 86	G7	Tolerance
D 87	115 mm	Ø Bolt circle
d 85	32 mm	
Tol d 85	h7	Tolerance
L 88	60 mm	
d 86	76 mm	Ø Inner Fit
G 87	M8	Thread
h 85	63 mm	
J B43	35 mm	
J B44	115 mm	
J B45	185 mm	
J B8	50 mm	
j B9	110 mm	
j B10	210 mm	
l 41	344 mm	
N B85	10 mm	Width of Keyway
N L85	32 mm	Length of Keyway
N T85	5 mm	Depth of Keyway, Tolerance P9
T 86	4 mm	Depth Fit
Tol T 86 up	0,5 mm	Upper Tolerance
Tol T 86 low	0 mm	Lower Tolerance
t 87 max	15 mm	





Medidas

B_1	250 mm	Width of Carriage
B_4	263 mm	Width of Return Unit
B_{72}	2 mm	
H_1	35 mm	Height of Carriage
H_2	108 mm	Altura
H_4	120,5 mm	Height of Return Unit
h_{13}	25 mm	
h_{14}	50 mm	
L_1	540 mm	Longitud
$L_{2\ max}$	8.000 mm	Maximum length of Support Rail
L_4	115,5 mm	
L_6	6 mm	Length of Wiper Brushes
S_{41}	36,5 mm	
S	85 mm	Medida





Datos técnicos

m_{LAW}	16,5 kg	Mass of Carriage
v_{max}	8 m/s	Maximum Speed
a_{max}	40 m/s ²	Maximum Acceleration
R_x	344 mm	
R_y	56,3 mm	
R_z	155 mm	
I C	21.000 N	Load direction I: compressive load
I C ₀	9.400 N	Load direction I: compressive load
II C	21.000 N	Load direction II: tensile load
II C ₀	9.400 N	Load direction II: tensile load
III C	35.000 N	Load direction III: lateral load
III C ₀	19.500 N	Load direction III: lateral load
M _{0x per}	1.000 Nm	Max. permissible static moment per Carriage
M _{0y per}	3.360 Nm	Max. permissible static moment per Carriage
M _{0z per}	1.600 Nm	Max. permissible static moment per Carriage
I _y	7.069 cm ⁴	Geometrical moments of inertia of Support Rail
I _z	899 cm ⁴	Geometrical moments of inertia of Support Rail

Información adicional

207 Nm	Max. permissible drive torque
4 x LFR5204-16-2Z	Track Rollers
0,1 mm	Repeat Accuracy ±
230 mm	Feed (mm/rotation)
50AT10	Toothed Belt
0,945 kg/m	Mass of Toothed Belt
5.640 N	Permissible Toothed Belt operating force
35,2 kg*cm ²	Mass moment of inertia of Gears and Gearboxes



Rango de temperatura

T _{min}	0 °C	Minimum operating Temperatur
T _{max}	80 °C	Maximum operating Temperatur