**MLFI25-500-ZR-W2-N**

## Módulo lineal

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

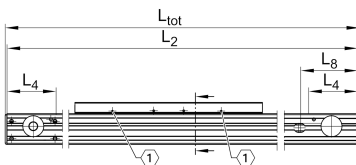
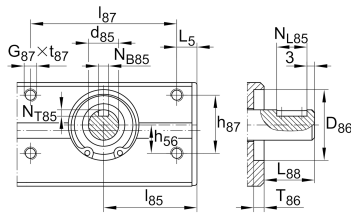
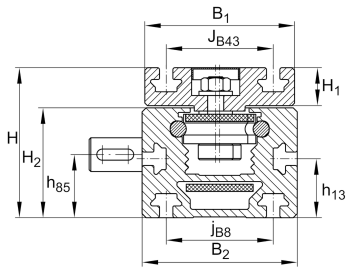
## Información técnica

## Variante de su producto actual

Size code	25	
Length of carriage	500	500 mm
Version	/	Standard
Ejecución	/	Basis
Drive type	(3)ZR	Toothed belt drive
Additional carriage	W2	Second, driven carriage
Attachment to the carriage	N	T-Slots
Support rail design	/	One-piece

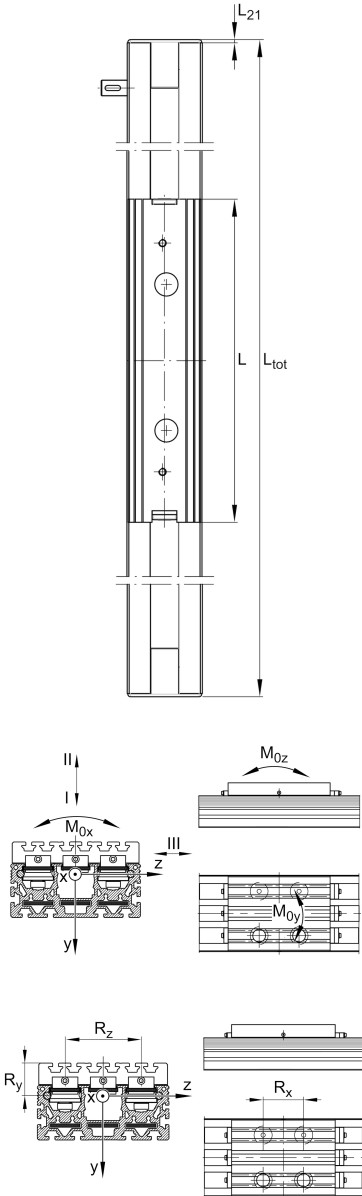
## Medidas principales y datos de rendimiento

B <sub>2</sub>	58 mm	Total Width
H	56 mm	Altura
L	500 mm	Longitud





**Medidas de montaje**



D 86	28 mm	
Tol D 86	H7	Tolerance
d 85	12 mm	
L 88	20,5 mm	
G 87	M5	Thread
h 56	11,5 mm	
h 85	24,2 mm	
h 87	23 mm	Tolerance ±0,2
J B43	40 mm	
J B8	40 mm	
L 8	76 mm	
l 85	37,5 mm	
l 87	58 mm	
N B85	4 mm	Width of Keyway
Tol N B85	P9	Tolerance
N L85	12 mm	Length of Keyway
N T85	2,5 mm	Depth of Keyway, Tolerance P9
T 86	3,7 mm	Depth Fit
Tol T 86 up	0,2 mm	Upper Tolerance
Tol T 86 low	0 mm	Lower Tolerance
t 87 max	10 mm	



### Medidas

B 1	56 mm	Width of Carriage
H 1	14,2 mm	Height of Carriage
H 2	41 mm	Altura
h 13	22 mm	
L 2 max	4.000 mm	Maximum length of Support Rail
L 4	65 mm	
L 5	8,5 mm	Length of Shaft Support Block without drive System
L 21	2,5 mm	
S	40 mm	Medida



### Datos técnicos

$m_{LAW}$	1,2 kg	Mass of Carriage
$m_3$	1,7 kg	Mass of additional Carriage
$v_{max}$	4 m/s	Maximum Speed
$a_{max}$	20 m/s <sup>2</sup>	Maximum Acceleration
$R_x$	363 mm	
$R_y$	22,7 mm	
$R_z$	3 mm	
I C	3.400 N	Load direction I: compressive load
I C <sub>0</sub>	2.050 N	Load direction I: compressive load
II C	3.400 N	Load direction II: tensile load
II C <sub>0</sub>	2.050 N	Load direction II: tensile load
III C	7.000 N	Load direction III: lateral load
III C <sub>0</sub>	4.150 N	Load direction III: lateral load
M <sub>0x per</sub>	32 Nm	Max. permissible static moment per Carriage
M <sub>0y per</sub>	825 Nm	Max. permissible static moment per Carriage
M <sub>0z per</sub>	390 Nm	Max. permissible static moment per Carriage
I <sub>y</sub>	46 cm <sup>4</sup>	Geometrical moments of inertia of Support Rail
I <sub>z</sub>	17 cm <sup>4</sup>	Geometrical moments of inertia of Support Rail

### Información adicional

	5,6 Nm	Max. permissible drive torque
	4 x LFR50/8-6-2Z	Track Rollers
	0,1 mm	Repeat Accuracy ±
	85 mm	Feed (mm/rotation)
	25AT5	Toothed Belt
	0,082 kg/m	Mass of Toothed Belt
	420 N	Permissible Toothed Belt operating force
	0,1 kg*cm <sup>2</sup>	Mass moment of inertia of Gears and Gearboxes



### Rango de temperatura

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T<sub>min</sub>            0 °C            Minimum operating Temperatur

T<sub>max</sub>            80 °C            Maximum operating Temperatur