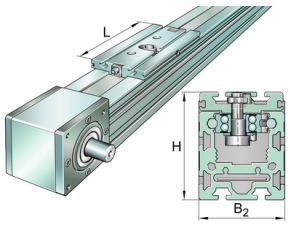
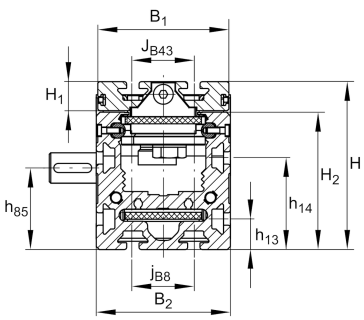


MLFI50-250-C-LN-ZR-W2-N-FA517.2

Módulo lineal

Actuators with internal track roller guidance system and toothed belt drive.Low Noise design with support rail in three segments, with second, driven carriage and fixing slots in carriage

Información técnica

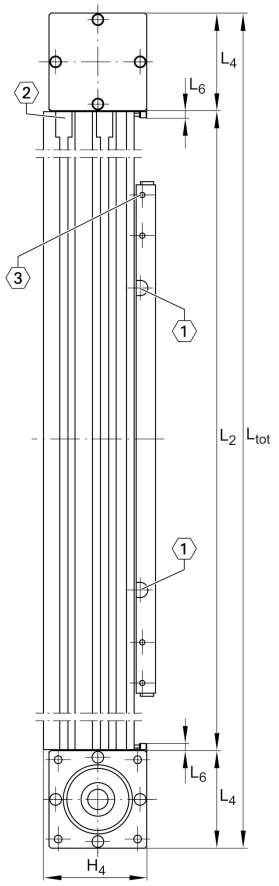


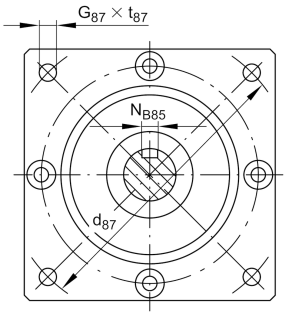
Variante de su producto actual

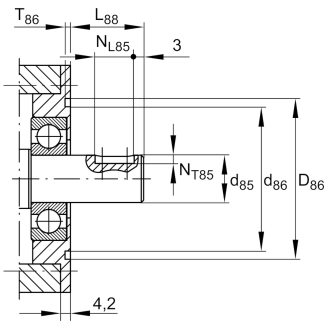
Size code	50	
Length of carriage	250	250 mm
Version	C	
Ejecución	LN	Low-Noise
Drive type	(3)ZR	Toothed belt drive
Additional carriage	W2	Second, driven carriage
Attachment to the carriage	N	T-Slots
Support rail design	FA517.2	Three-Piece

Medidas principales y datos de rendimiento

B_2	88 mm	Total Width
H	110 mm	Altura
L	250 mm	Longitud
≈m	10 kg/m	Peso

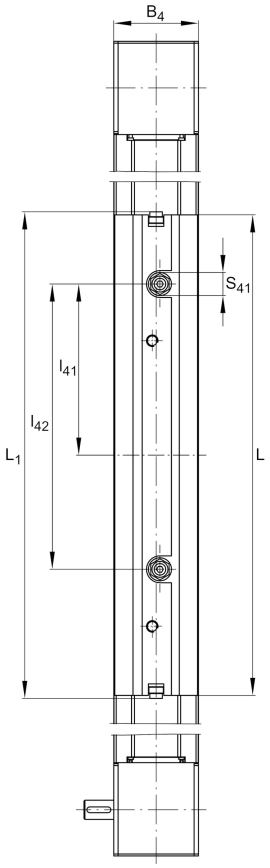


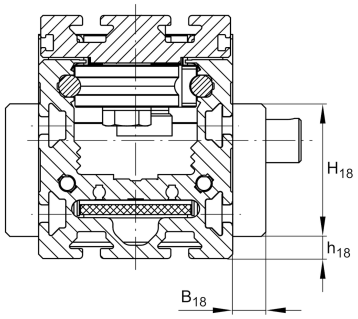




Medidas de montaje

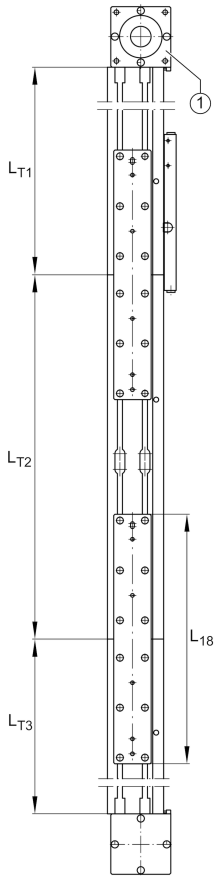
D 86	68 mm	
Tol D 86	G7	Tolerance
D 87	110 mm	Ø Bolt circle
d 85	20 mm	
Tol d 85	h7	Tolerance
L 88	31 mm	
d 86	61 mm	Ø Inner Fit
G 87	M6	Thread
h 85	53,4 mm	
J B43	40 mm	
J B8	40 mm	
l 41	58,8 mm	
l 42	81,5 mm	
N B85	6 mm	Width of Keyway
Tol N B85	P9	Tolerance
N L85	25 mm	Length of Keyway
N T85	3,5 mm	Depth of Keyway, Tolerance P9
T 86	2,3 mm	Depth Fit
Tol T 86 up	0,3 mm	Upper Tolerance
Tol T 86 low	0 mm	Lower Tolerance
t 87 max	24 mm	

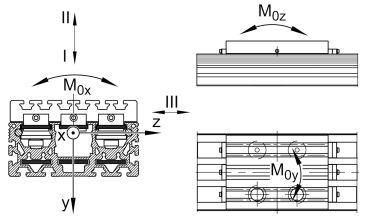


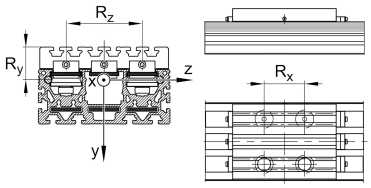


Medidas

B_1	86 mm	Width of Carriage
$B_{4\ max}$	89,2 mm	
B_{18}	15 mm	
H_1	19 mm	Height of Carriage
H_2	90 mm	Altura
H_4	101,4 mm	Height of Return Unit
H_{18}	60 mm	
h_{13}	20 mm	
h_{14}	60 mm	
h_{18}	10 mm	
L_1	260 mm	Longitud
$L_{2\ max}$	24.000 mm	Maximum length of Support Rail
L_4	97 mm	
L_6	6 mm	Length of Wiper Brushes
L_{18}	400 mm	
$L_{Tn\ min}$	500 mm	Support Rail in Segments length min
$L_{Tn\ max}$	8.000 mm	Support Rail in Segments length max
S_{41}	28 mm	
S	85 mm	Medida







Datos técnicos

m_{LAW}	2,27 kg	Mass of Carriage
m_1	2,78 kg	Mass of Connecting Plates of Profiles
m_3	2,27 kg	Mass of additional Carriage
v_{max}	8 m/s	Maximum Speed
a_{max}	40 m/s2	Maximum Acceleration
R_x	82,3 mm	
R_y	32 mm	
R_z	8,5 mm	
I C	11.400 N	Load direction I: compressive load
$I C_0$	5.200 N	Load direction I: compressive load
II C	11.400 N	Load direction II: tensile load
$II C_0$	3.520 N	Load direction II: tensile load
III C	16.800 N	Load direction III: lateral load
$III C_0$	10.000 N	Load direction III: lateral load
$M_{0x\ per}$	164 Nm	Max. permissible static moment per Carriage
$M_{0y\ per}$	400 Nm	Max. permissible static moment per Carriage
$M_{0z\ per}$	200 Nm	Max. permissible static moment per Carriage
I_y	300 cm4	Geometrical moments of inertia of Support Rail
I_z	198 cm4	Geometrical moments of inertia of Support Rail

Información adicional

	68,8 Nm	Max. permissible drive torque
	4 x LFR5201-10-2Z	Track Rollers
	0,1 mm	Repeat Accurancy ±
	200 mm	Feed (mm/rotation)
	50BATK10	Toothed Belt
	0,3 kg/m	Mass of Toothed Belt
	1.880 N	Permissible Toothed Belt operating force
	5 kg*cm2	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