Specification sheet – Profile rail guide LLT

EWELLIX
MAKERS IN MOTION

Please complete the form with all available information and send it to your Ewellix representative or authorized distributor for product selection.

Ewellix contact	Date

General information

Customer

Company		
Address 1		
Address 2		
Post code / Zip	City	State
Country		

Contact

Contact name	
Job title	
Department	
Phone (including country code)	Mobile (including country code)
Mail	

Project title

Reason for request

Current product / brand		Description
○ Replacement	○ New design	○ Other

Application / Industry

			Description
○ Factory automation	○ Food and beverage	○ Machine tools	
○ Medical	○ Semiconductor	○ Other	

Export control and Ewellix policy (mandatory to mark)

○ The application is not subsidiary or part of industry of national defence and/or nuclear (also not with details of the function). The application is civil.

Commercial information

General

	Quantity, pcs	Batch size, pcs	Start of supply, YYYY MM DD	Target price / each	Currency
○ One shot business ○ Yearly repeating business					

Applications description

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Stroke
mm

Rail length
mm

Center distance between
carriages, c: mm
rails, d: mm

or Short part dimensions
Length: mm
Width: mm

Guiding system
Maximum height: mm
○ No constraints

Required service life distance or time (fill in all fields)

Distance	Total time	Period of one cycle	Stroke of one cycle
km	h	s	mm

Required static safety (in accordance to your business and application)

Maximum speed [1)]
m/s

Maximum acceleration [1)]
m/s²

1) Here the maximum values. Enter load phase specific values in table "External loads and load phases"

Rigidity of guiding system
N/µm
○ No specific requirements

Running accuracy of guiding system
Parallelism in height: µm
Parallelism in sideward direction: µm

Environment

Presence of dust, dirt or fluids
- ○ Clean environment, e.g. laboratory
- ○ Standard industrial environment
- ○ Dirty environment, e.g. milling machine

Requirements on friction
- ○ Lowest possible friction
- ○ Standard friction
- ○ No requirement

Preferred sealing version
- ○ Low friction shield (S0)
- ○ Standard sealing
- ○ Scraper plate (S1)
- ○ Additional front seal (S7)
- ○ Seal kit (S3)
- ○ Bellow

○ Humid or corrosive environment
If yes, please describe:

Preferred material
- ○ No preference (standard)
- ○ Coated steel

Temperature [°C]

Minimum	Operating	Maximum

○ Shock loads or vibrations
If yes, please describe:

Lubricant

● Standard prelubrication by Ewellix , as stated in the catalogue.

● Other
Please specify:

Sketch of the application (or attach a drawing)

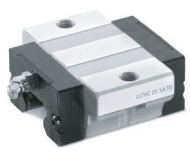
Product details

Product designation (if already known)

Carriage type

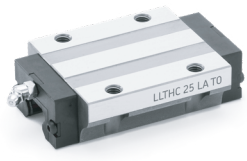
○ LLTHC-R

○ LLTHC-LR

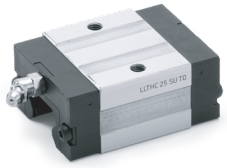


○ LLTHC-SA

○ LLTHC-A



○ LLTHC-LA

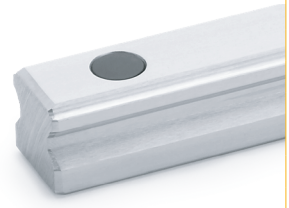


○ LLTHC-SU

○ LLTHC-U

○ LLTHC-LU

Rail type



○ LLTHR

○ LLTHR-D4

○ LLTHR-D6

Preload class

○ T0 (Zero preload)	○ T1 (Light preload 2% C)	○ T2 (Medium preload 8% C)

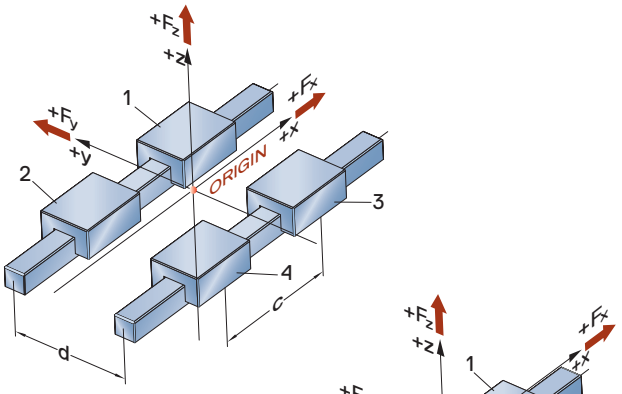
Precision class

○ P5 (Standard)	○ P3 (Medium)	○ P1 (High)

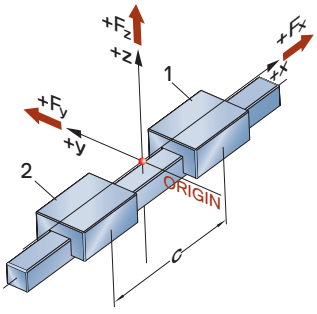
Needed accessories (for details see Exellix publication Profile rail guides LLT)

- ☐ Adapter plate (LLTHZ PL)
- ☐ Lubrication connector (LLTHZ VN UA)
- ☐ Lube element (LLTHZ S6)
- ☐ Assembly tool for metal plugs (LLTHZ D6)

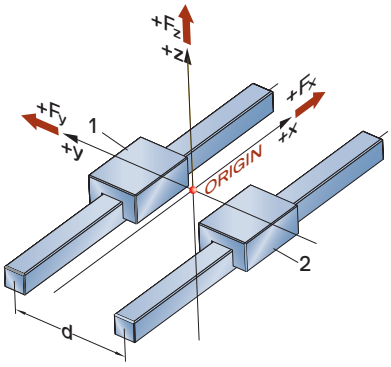
Input for dimensioning calculation



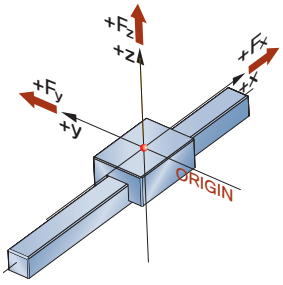
Config 24



Config 12



Config 22



Config 11

○ No preference ○ Other	If yes, please describe:

Moving direction (set coordinate system accordingly)

○ Horizontal	○ Vertical	○ Other

External loads and load phases

Forces in N, Lever arms in mm measured from defined origin (see graphics above). If the application has more than 3 load phases, please copy this page.

Load phase 1	
Stroke	mm
Acceleration	mm/s²
Speed	m/s

Lever arms in

Force F_x		y	z
	X		

Force F_y	x	y	z
		X	

Force F_z	x	y	z
			X

Load phase 2	
Stroke	mm
Acceleration	mm/s²
Speed	m/s

Force F_x	x	y	z
	X		

Force F_y	x	y	z
		X	

Force F_z	x	y	z
			X

Load phase 3	
Stroke	mm
Acceleration	mm/s²
Speed	m/s

Force F_x	x	y	z
	X		

Force F_y	x	y	z
		X	

Force F_z	x	y	z
			X