

Specification sheet – Linear Ball bearing

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

Ewellix contact	Date
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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
<input type="radio"/> Replacement	<input type="radio"/> New design
	<input type="radio"/> Other

Application / Industry

<input type="radio"/> Factory automation	<input type="radio"/> Food and beverage	<input type="radio"/> Machine tools	Description
<input type="radio"/> Medical	<input type="radio"/> Semiconductor	<input type="radio"/> Other	

Export control and Ewellix policy (mandatory to mark)

<input type="radio"/> 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.
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Commercial information**General**

<input type="radio"/> One shot business	Quantity, pcs	Batch size, pcs	Start of supply, YYYY MM DD	Target price / each	Currency
<input type="radio"/> Yearly repeating business					

Application description

Product details

Product designation (if already known)

Range

- Compact range
 Standard range

Bearing type

- Linear ball bearing
 Linear plain bearing

Bearing design

- Closed design
 Open design (for supported shafts)

- Rigid (permissible shaft deflection without reduction $\pm 5'$ of arc)
 Self-aligning (permissible shaft deflection $\pm 30'$ of arc)

Needed accessories (for details see Ewellix publication Linear ball bearings and units)

Shaft

Designation

LJ ...

Length

mm

Shafting standard

ESSC ...

Housing

Designation

Single shaft block

Designation

LS ...

Tandem shaft block

Designation

LE ...

Linear ball bearings mounted as a complete system

System

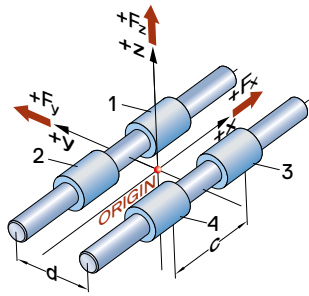
Designation

LZ ...

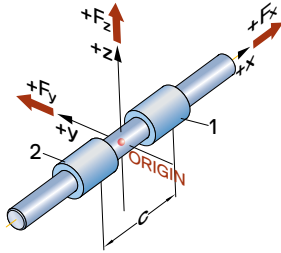
System with drive, e.g. ball screw

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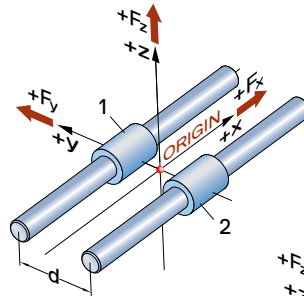
Input for dimensioning calculation



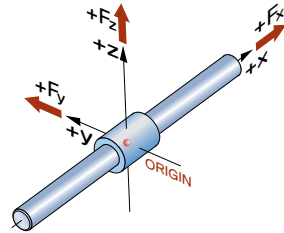
Config 24



Config 12



Config 22



Config 11

- No preference
- Other

If yes, please describe:

Moving direction (set coordinate system accordingly)

- Horizontal
- Vertical
- Other

Please specify:

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				Load phase 2				Load phase 3			
Stroke	mm			Stroke	mm			Stroke	mm		
Acceleration	mm/s ²			Acceleration	mm/s ²			Acceleration	mm/s ²		
Speed	m/s			Speed	m/s			Speed	m/s		
Force F _x	Lever arms in			Force F _x	Lever arms in			Force F _x	Lever arms in		
	x	y	z		x	y	z		x	y	z
	X				X				X		
Force F _y	x	y	z	Force F _y	x	y	z	Force F _y	x	y	z
		X				X				X	
Force F _z	x	y	z	Force F _z	x	y	z	Force F _z	x	y	z
			X				X				X