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

General information

Customer				Contact		
Company				Contact name		
Address 1				Job title		
Address 2				Department		
Post code / Zip	City		State	Phone (including count	ry code)	Mobile (including country code)
Country				Mail		
Project title						
Reason for reque					1	Description (
O Replacemen	Current product / b	rand	O New desig	n	○ Other	Description
Application / Ind	ustry					
○ Factory auto	omation	\bigcirc Food and bey	/erage	O Machine too	ls	Description
O Medical		○ Semiconduc	tor		○ Othe	r
Export control ar	nd Ewellix policy	(mandatory to mark	e)			
	tion is not subsi			l defence and/or n	uclear (also not v	vith details of the function).
Commercial	information	ı				

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

Application description

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Stroke	Shaft length	Center distance l	petween o	Short part dimen	nsions	Guiding system					
		bearings, c	shafts, d	Length	Width	Maximum height					
mm	mm	mm	mm	mm	mm mm	mm					
						O No constraints					
Required service	e life distance or tin	ne (fill in all fields)		Required static s	afetv (in accorda	nce to your business and application)					
Distance	Total time	Period of one cycle	Stroke of one cycle								
km	h	s	mm								
Maximum speed	1)	Maximum acceler	ation ¹⁾	Rigidity of guidin	ng system	Running accuracy of guiding systen					
						Parallelism in height					
	m/s		m/s²		N/µm	μm					
¹⁾ Here the maxim	um values. Enter loa	ad phase specific va	lues in table			Parallelism in sideward direction					
"External loads	and load phases"			O No specific	requirements	μm					
Environment				<u> </u>	,						
Presence of dust, dirt	or fluids		Requirements on friction	on	Preferred sealing varia	int					
O Clean enviro	onment, e.g. labor	ratory	O Lowest poss	sible friction	O With shields	3					
O Standard in	dustrial environm	ent	O Standard fri	ction	O With 1 doub	le lip seal (-LS)					
O Dirty enviro	nment, e.g. millin	g machine	○ No requirem	ient	 With 2 doub Additional s 	ble lip seals (-2LS) ealinα					
O Humid or co	prrosive environm	ent	Preferred material								
If yes, please describe:	:		○ No preference (standard)								
			O Stainless steel balls and raceways (/HV6)								
			O Stainless steel shaft								
			O Chrome plat	ed shaft							

Temperature [°C]

Minimum	Operating	Maximum

O Shock loads or vibrations If yes, please describe:

Lubricant

0	Standard pre	-lubrication by Ewellix, as stated in the catalogue.
0	Other	Please specify

Sketch of the application (or attach a drawing)

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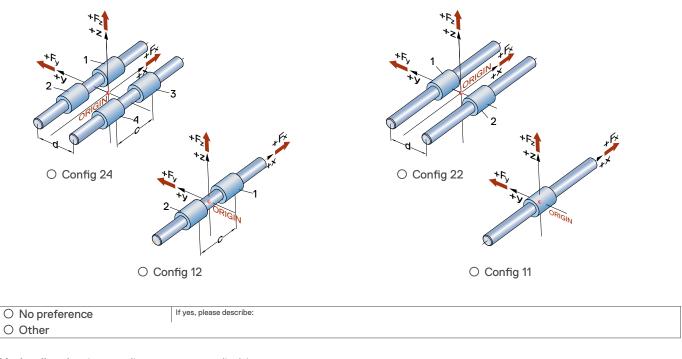
Product det	ails					
Product designat	t ion (if already kr	nown)				
Range		Bearing type		Bearing design		
O Compact ra	nge	O Linear ball b	pearing	O Closed design		
O Standard ra	nge	O Linear plain	bearing	O Open design (for su	pported shafts)	
				L		
O Rigid (permi	ssible shaft de	flection without re	duction ±5' of arc	;)		
		shaft deflection ±3		/		
Needed accessor	ies (for details s	ee Ewellix publicatio	n l inear ball bearing	s and units)		
⊖ Shaft	Designation		Length	Shafting standard	O Housing	esignation
	LJ		mm	ESSC		
O Single	Designation		O Tandem	Designation		
shaft block	LS		shaft block	LE		
			L]	
incor ball boarin	as mounted as	a complete system				
	ys mounted as a	a complete system				

O System	Designation	O System with drive,
	LZ	e.g. ball screw

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Input for dimensioning calculation



Moving direction (set coordinate system accordingly)

O Horizontal			
O 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 phas	se 1			Load pha	se 2			Load pha	se 3		
Stroke			mm	Stroke			mm	Stroke			mm
Accelerati	on		mm/s ²	Accelerat	on		mm/s ²	Accelerat	ion		mm/s²
Speed		·	m/s	Speed			m/s	Speed			m/s
	Lever arms	in			Lever arms	in			Lever arms	sin	
Force F _x	×	У	z	Force F _x	×	У	z	Force F _x	×	У	z
Force F _v	×		Z	Force Fy	×	y	Z	Force Fy	×	y	Z
Force Fz	×	У	z	Force Fz	×	У	z	Force Fz	×	У	z