

Ewellix Inch linear ball bearings



Ewellix linear ball bearings, housings, units and accessories are mechanical components for constructing simply designed, economic linear guides for a wide variety of applications.

The Ewellix linear bearing series offers distinct advantages over other solutions currently available in the market. Superior technology, quality, product range, reliability, service life, cost-effectiveness—combined with Ewellix consulting and services—optimize the users' solutions for linear guidance systems.

Typical Applications

- Packaging machines
- Automatic handling systems
- Paper processing machines
- Printing presses
- Medical technology
- Machinery for the food industry

Features

LUXD/LUXF housed Inch units

- Corrosion resistant raceway inserts
- Optimized raceway geometry
- Self-aligning feature for smooth operation
- Corrosion-resistant version available
- Closed or open versions

Benefits

- Lower weight enables higher accelerations
- Life expectancy exceeds DIN 636
- High level of protection against contamination
- Compensation of shaft misalignment
- Ideal choice for food industry and medical engineering applications
- Maintenance-free for the life of the product
- Enables operation with shaft support
- Inch "L" class shafting ¼" – 2"

Linear bearing interchange

Contact Ewellix for LSR interchanges and availability.

EWELLIX designation	THOMSON designation
Inch standard	
LBXR 4 or LBXR 4 G	A-4812
LBXR 6 or LBXR 6 G	A-61014
LBXR 8 or LBXR 8 G	A-81420
LBXR 10 or LBXR 10 G	A-101824
LBXR 12 or LBXR 12 G	A-122026
LBXR 16 or LBXR 16 G	A-162536
LBXR 20 or LBXR 20 G	A-203242
LBXR 24 or LBXR 24 G	A-243848
LBXR 32 or LBXR 32 G	A-324864
LBXR 40	A-406080
LBXR 48	A-487296
LBXR 64	A-6496128
Adjustable type	
LBXR 8 G/AJ	ADJ-81420
LBXR 10 G/AJ	ADJ-101824
LBXR 12 G/AJ	ADJ-122026
LBXR 16 G/AJ	ADJ-162536
LBXR 20 G/AJ	ADJ-203242
LBXR 24 G/AJ	ADJ-243848
LBXR 32 G/AJ	ADJ-324864
Open type	
LBXT 8 G	OPN-81420
LBXT 10 G	OPN-101824
LBXT 12 G	OPN-122026
LBXT 16 G	OPN-162536
LBXT 20 G	OPN-203242
LBXT 24 G	OPN-243848
LBXT 32 G	OPN-324864
Self-aligning type	
Closed type	
LBXD 4	SUPER-4
LBXD 6	SUPER-6
LBXD 8	SUPER-8
LBXD 10	SUPER-10
LBXD 12	SUPER-12
LBXD 16	SUPER-16
LBXD 20	SUPER-20
LBXD 24	SUPER-24
LBXD 32	SUPER-32
Open type	
LBXF 8	SUPER-8-OPN
LBXF 10	SUPER-10-OPN
LBXF 12	SUPER-12-OPN
LBXF 16	SUPER-16-OPN
LBXF 20	SUPER-20-OPN
LBXF 24	SUPER-24-OPN
LBXF 32	SUPER-32-OPN
LBXF 8-2LS	SUPER-8-OPN-DD
LBXF 10-2LS	SUPER-10-OPN-DD
LBXF 12-2LS	SUPER-12-OPN-DD
LBXF 16-2LS	SUPER-16-OPN-DD

EWELLIX designation	THOMSON designation
Stainless steel type with resin retainer	
Closed type	
LBXR 4 G/HV6	A-4812-SS
LBXR 6 G/HV6	A-61014-SS
LBXR 8 G/HV6	A-81420-SS
LBXR 10 G/HV6	A-101824-SS
LBXR 12 G/HV6	A-122026-SS
LBXR 16 G/HV6	A-162536-SS
Adjustable type	
LBXR 8 G/AJHV6	ADJ-81420-SS
LBXR 10 G/AJHV6	ADJ-101824-SS
LBXR 12 G/AJHV6	ADJ-122026-SS
LBXR 16 G/AJHV6	ADJ-162536-SS
Open type	
LBXT 8 G/HV6	OPN-81420-SS
LBXT 10 G/HV6	OPN-101824-SS
LBXT 12 G/HV6	OPN-122026-SS
LBXT 16 G/HV6	OPN-162536-SS
Inch series self-aligning units	
Block type	
LUXD 4-2LS	SPB-4
LUXD 6-2LS	SPB-6
LUXD 8-2LS	SPB-8
LUXD 10-2LS	SPB-10
LUXD 12-2LS	SPB-12
LUXD 16-2LS	SPB-16
LUXD 20-2LS	SPB-20
LUXD 24-2LS	SPB-24
LUXD 32-2LS	SPB-32
Adjustable type	
LUXD 4-2LS/AJ	SPB-4-ADJ
LUXD 6-2LS/AJ	SPB-6-ADJ
LUXD 8-2LS/AJ	SPB-8-ADJ
LUXD 10-2LS/AJ	SPB-10-ADJ
LUXD 12-2LS/AJ	SPB-12-ADJ
LUXD 16-2LS/AJ	SPB-16-ADJ
LUXD 20-2LS/AJ	SPB-20-ADJ
LUXD 24-2LS/AJ	SPB-24-ADJ
LUXD 32-2LS/AJ	SPB-32-ADJ
Open type	
LUXF 8-2LS	SPB-8-OPN
LUXF 10-2LS	SPB-10-OPN
LUXF 12-2LS	SPB-12-OPN
LUXF 16-2LS	SPB-16-OPN
LUXF 20-2LS	SPB-20-OPN
LUXF 24-2LS	SPB-24-OPN
LUXF 32-2LS	SPB-32-OPN

EWELLIX designation	THOMSON designation
Inch series self-aligning double wide units	
Block type	
LTXD 4-2LS	TWN-4
LTXD 6-2LS	TWN-6
LTXD 8-2LS	TWN-8
LTXD 10-2LS	TWN-10
LTXD 12-2LS	TWN-12
LTXD 16-2LS	TWN-16
LTXD 20-2LS	TWN-20
LTXD 24-2LS	TWN-24
Adjustable type	
LTXD 4-2LS/AJ	TWN-4-ADJ
LTXD 6-2LS/AJ	TWN-6-ADJ
LTXD 8-2LS/AJ	TWN-8-ADJ
LTXD 10-2LS/AJ	TWN-10-ADJ
LTXD 12-2LS/AJ	TWN-12-ADJ
LTXD 16-2LS/AJ	TWN-16-ADJ
LTXD 20-2LS/AJ	TWN-20-ADJ
LTXD 24-2LS/AJ	TWN-24-ADJ
Open type	
LTXF 8-2LS	TWN-8-OPN
LTXF 10-2LS	TWN-10-OPN
LTXF 12-2LS	TWN-12-OPN
LTXF 16-2LS	TWN-16-OPN
LTXF 20-2LS	TWN-20-OPN
LTXF 24-2LS	TWN-24-OPN
End support blocks	
LSXS 4	SB-4
LSXS 6	SB-6
LSXS 8	SB-8
LSXS 10	SB-10
LSXS 12	SB-12
LSXS 16	SB-16
LSXS 20	SB-20
LSXS 24	SB-24
LSXS 32	SB-32
Shaft support - predrilled	
LSXB 8	SR 8-PD
LSXB 10	SR 10-PD
LSXB 12	SR 12-PD
LSXB 16	SR 16-PD
LSXB 20	SR 20-PD
LSXB 24	SR 24-PD
LSXB 32	SR 32-PD
Shaft support - not drilled	
LSXC 8	SR8
LSXC 10	SR10
LSXC 12	SR12
LSXC 16	SR16
LSXC 20	SR20
LSXC 24	SR24
LSXC 32	SR32

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Not all the linear bearings we offer are shown in this table. Please check catalog for all available sizes/options.

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