

# Links

## Bearing Embedded

■ Features: Bearing integrated links to support rotations.

RoHS10

Type		Material		Surface Treatment		Accessory	
Single Bearing	Double Bearing	Links	Bearing	Links	Bearing	Retaining Ring	Set Screw
LNBB	LNBWB	S45C Equivalent	Steel	Black Oxide	Spring Steel	-	-
LNBM	LNBWM	SUS304	Stainless Steel	Electroless Nickel Plating	SUS304	SUS304	SUS304
-	LNBWS	SUS304	Stainless Steel	-	-	-	-

\* Double Bearing Type has no set screw.

Section View A-A

Single Bearing Type

Double Bearing Type

• T Dimension Tolerance  
T 10-16 19  
-0.3-0 -0.33-0

Bearing Accuracy: JIS B 1514 Class 0 For details, see P.1-2239

### Single Bearing Type

Part Number	Type	d1	EH7 Selection	L 1mm Increment	W	T	ℓ	F	C	Tightening Screw M	Bearing No.	D1H7	Tolerance	dh	B
LNBB	5	3 4 5 6 8	20~150	20	10	L+22	10	5	3	When EH7 is	605ZZ	14	+0.018	10	5
LNBM	6	3 4 5 6 8 10	25~150	20	10	L+25	12	5	3	3 ~ 6, M3	606ZZ	17	0	13	6
	8	3 4 5 6 8 10 12 13 14 15 16	30~150	29	12	L+32	14	8	3	8 ~ 16, M4	608ZZ	22	+0.021	18	7
	10	3 4 5 6 8 10 12 13 14 15 16 18	35~200	34	16	L+36	17	8	3	18 ~ 25, M6	6000ZZ	26	0	22	8
	12	3 4 5 6 8 10 12 13 14 15 16 18 20	40~200	36	16	L+40	18	8	3		6001ZZ	28	0	24	8
	15	3 4 5 6 8 10 12 13 14 15 16 18 20 25	45~300	40	19	L+44	20	10	3		6002ZZ	32	+0.025	28	9
	20	3 4 5 6 8 10 12 13 14 15 16 18 20 25	55~300	50	19	L+56	26	10	3		6004ZZ	42	0	36	12
	25	3 4 5 6 8 10 12 13 14 15 16 18 20 25	55~300	56	19	L+63	29	10	3		6005ZZ	47	0	41	12

### Double Bearing Type

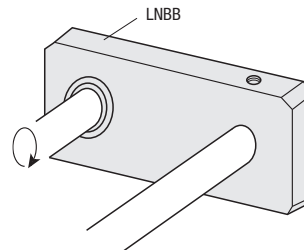
Part Number	Type	d1	d2 Selection	L 1mm Increment	W	T	ℓ	F	C	d1/d2 Dimensions	Bearing No.
LNBWB	5	5	20~150	20	10	L+20	10	5	3	5	605ZZ
LNBWM	6	5 6	25~150	20	10	L+24	12	5	3	6	606ZZ
LNBWS	8	5 6 8	30~150	29	12	L+28	14	8	3	8	608ZZ
	10	5 6 8 10	30~150	34	16	L+34	17	8	3	10	6000ZZ
	12	5 6 8 10 12	35~200	36	16	L+36	18	8	3	12	6001ZZ
	15	5 6 8 10 12 15	40~200	40	19	L+40	20	10	3	15	6002ZZ
	20	5 6 8 10 12 15 20	45~300	50	19	L+52	26	10	3	20	6004ZZ
	25	5 6 8 10 12 15 20 25	55~300	56	19	L+58	29	10	3	25	6005ZZ

Ordering Example: Part Number - E - d2 - L  
LNBB12 - 16 - 5 - 150  
LNBWS10 - 5 - 150

d1	Unit Price				
	LNBB	LNBM	LNBWB	LNBWM	LNBWS
5	Min. L - 100	L101 - Max. L	Min. L - 100	L101 - Max. L	Min. L - 100
6					
8					
10					
12					
15					
20					
25					



\* Fixes the shaft by the set screw side, and supports rotations by the bearing side.



# Links

## Oil Free Bushings Press Fit

■ Features: Links with embedded oil free bushings to prevent abrasions by rotating.

Type		Material		Surface Treatment		Accessory	
Single Bushing	Double Bushing	Links	Bushing	Links	Bushing	Retaining Ring	Set Screw
-	LNMBW	S45C Equivalent	Oil Free Bushing	Black Oxide	-	Hex Socket Set Screw (SUS304)	-
-	LNMBM	SUS304	Oil Free Bushing	Electroless Nickel Plating	-	-	-
-	LNMS	SUS304	Oil Free Bushing	-	-	-	-
-	LNMSW	SUS304	Oil Free Bushing	-	-	-	-

\* Double Bearing Type has no set screw.

Section View A-A

Single Bushing Type

Double Bushing Type

\* The housing diameter of press fit part of oil free bushing is finished by tolerance H7.

Part Number	Type	D1	D2 Selection	L 1mm Increment	T	W	ℓ	F	C	Tightening Screw M
LNMS	3	3 4	10~150	5	13	L+10	5	3	3	M3
	4	3 4	10~150	5	13	L+10	5	3	3	M3
	5	3 4 5	10~150	5	16	L+12	6	3	3	M3
	6	3 4 5 6	10~150	5	16	L+12	6	3	3	M3
	8	4 5 6 8	10~150	5	16	L+12	6	3	3	M3
	10	5 6 8	15~200	5	16	L+12	6	3	3	M3
	12	6 8	15~200	5	16	L+12	6	3	3	M3
	13	6 8 10 12 13	20~200	5	16	L+12	6	3	3	M3
	14	8 10 12 13 15	20~200	5	16	L+12	6	3	3	M3
	15	8 10 12 13 15	20~200	5	16	L+12	6	3	3	M3
	16	8 10 12 13 15	20~200	5	16	L+12	6	3	3	M3
	18	10 12 13 15 16 18	35~200	5	16	L+12	6	3	3	M3
	20	10 12 13 15 16 18 20	35~300	5	16	L+12	6	3	3	M3
	25	12 13 15 16 18 20 25	35~300	5	16	L+12	6	3	3	M3
LNMBW	3	3	10~150	5	13	L+10	5	3	3	M3
LNMBM	4	3 4	10~150	5	13	L+10	5	3	3	M3
LNMSW	5	3 4 5	10~150	5	16	L+12	6	3	3	M3
	6	3 4 5 6	10~150	5	16	L+12	6	3	3	M3
	8	4 5 6 8	15~150	5	16	L+12	6	3	3	M3
	10	5 6 8 10	15~150	5	16	L+12	6	3	3	M3
	12	6 8 10 12	20~200	5	16	L+12	6	3	3	M3
	13	6 8 10 12 13	20~200	5	16	L+12	6	3	3	M3
	15	8 10 12 13 15	20~200	5	16	L+12	6	3	3	M3
	16	8 10 12 13 15	20~200	5	16	L+12	6	3	3	M3
	18	10 12 13 15 16 18	35~200	5	16	L+12	6	3	3	M3
	20	10 12 13 15 16 18 20	35~300	5	16	L+12	6	3	3	M3
	25	12 13 15 16 18 20 25	35~300	5	16	L+12	6	3	3	M3

Ordering Example: Part Number - D2 - L  
LNMS10 - 6 - 70

D1	Unit Price			
	LNMS	LNMBW	LNMBM	LNMSW
3	Min. L - 100	L101 - Max. L	Min. L - 100	L101 - Max. L
4				
5				
6				
8				
10				
12				
13				
14				
15				
16				
18				
20				
25				

### Oil Free Bushing

Single Bushing Type	Oil Free Bushing	Double Bushing Type	Oil Free Bushing (2 pcs.)
D1	D2	d (I.D.)	L (Overall Length)
3, 4, 5, 6	3 3 4	3 3 4	3 3 4
	4 4 4	4 4 4	4 4 4
	5 5 4	5 5 4	5 5 4
	6 6 4	6 6 4	6 6 4
	4 4 5	4 4 5	4 4 5
	5 5 5	5 5 5	5 5 5
	6 6 5	6 6 5	6 6 5
	8 8 5	8 8 5	8 8 5
	6 6 8	6 6 8	6 6 8
	8 8 8	8 8 8	8 8 8
	10 10 8	10 10 8	10 10 8
	12 12 8	12 12 8	12 12 8
	13 13 8	13 13 8	13 13 8
	15 15 8	15 15 8	15 15 8
	10 10 10	10 10 10	10 10 10
	12 12 10	12 12 10	12 12 10
	13 13 10	13 13 10	13 13 10
	15 15 10	15 15 10	15 15 10
	16 16 10	16 16 10	16 16 10
	18 18 10	18 18 10	18 18 10
	20 20 10	20 20 10	20 20 10
	25 25 10	25 25 10	25 25 10