



LBCA - **12** - **S**

Linear Bearing Series

- LBCA** - One Precision linear bearing (closed - all steel)
- LBOA** - One Precision linear bearing (open - all steel)

Nominal Diameter

- 4** - 0.250 inch diameter
- 6** - 0.375 inch diameter
- 8** - 0.500 inch diameter
- 10** - 0.625 inch diameter
- 12** - 0.750 inch diameter
- 16** - 1.000 inch diameter
- 20** - 1.250 inch diameter
- 24** - 1.500 inch diameter
- 32** - 2.000 inch diameter

Wiper Seals

- No seals
- S** - Seals at both ends

Specifications: LBCA & LBOA Linear Bearings

Operating Temperature	0° F to + 600° F (without seals)		0° F to + 185° F (with seals)		
Maximum Speed	10 ft/second				
Bearing Seals (optional)	Internal Wiper Seals on both ends, Plastic Bearing Retainer				
Matching Shaft	Class S (SS series), hardened & ground shafting (see pages 38 - 39)				
Housing Tolerances C = clearance	LBCA (closed style)			LBOA (open style)	
	Nominal Shaft Diameter (inches)	Recommended Housing Bore		Nominal Shaft Diameter (inches)	Recommended Housing Bore before adjustment (inches)
	Normal Fit (inches)	Press Fit (inches)	Bearing and Shaft Fit-up (inches)		
	0.250	.5005 / .5000	.4995 / .4990	.0015C / .0005C	
	0.375	.6255 / .6250	.6245 / .6240	.0015C / .0005C	
	0.500	.8755 / .8750	.8745 / .8740	.0015C / .0005C	0.500
	0.625	1.1255 / 1.1250	1.1245 / 1.1240	.0015C / .0005C	0.625
	0.750	1.2505 / 1.2500	1.2495 / 1.2490	.0015C / .0005C	0.750
	1.000	1.5630 / 1.5625	1.5620 / 1.5615	.0015C / .0005C	1.000
	1.250	2.0010 / 2.0000	1.9993 / 1.9983	.0015C / .0004C	1.250
	1.500	2.3760 / 2.3750	2.3743 / 2.3733	.0016C / .0005C	1.500
	2.000	3.0010 / 3.0000	2.9992 / 2.9982	.0020C / .0005C	2.000