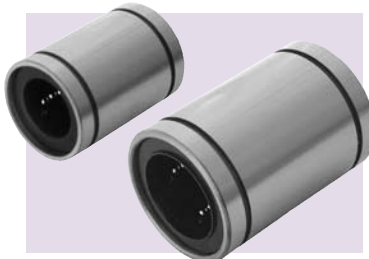
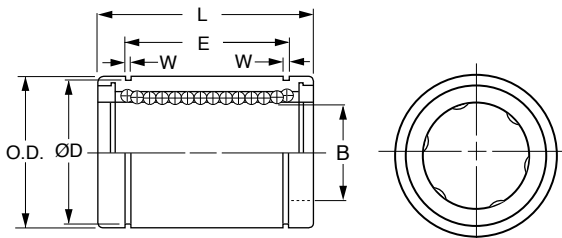




Linear Ball Bearings – Closed Type

Stock Drive Products/Sterling Instrument ■ Phone: 516-328-3300 ■ Fax: 516-326-8827

- LOW FRICTION COEFFICIENT
- HIGH POSITIONING ACCURACY
- HIGH LOAD CAPACITY
- QUIET MOVEMENT
- LONG TRAVEL LIFE



MATERIAL: Sleeve and Balls – AISI 52100 Steel
Retainer – Duracon M90

Catalog Number	Ball Circuit	B* Bore	O.D. [□]	L ^Δ Length	E [§] Groove Distance	W Groove Width	D Groove	Load Capacity	
								Dynamic lbf	Static lbf
S99LBC-025075 <input type="checkbox"/>	4	.2500	.5000	.750	.511	.0390	.4687	46	60
S99LBC-038063 <input type="checkbox"/>		.3750	.6250	.875	.636		.5880	51	71
S99LBC-050088 <input type="checkbox"/>	4	.5000	.8750	1.250	.963	.0459	.8209	115	176
S99LBC-063113 <input type="checkbox"/>		.6250	1.1250	1.500	1.104	.0559	1.0590	174	265
S99LBC-075125 <input type="checkbox"/>	5	.7500	1.2500	1.625	1.166	.0559	1.1760	194	308
S99LBC-100156 <input type="checkbox"/>	6	1.0000	1.5625	2.250	1.755	.0679	1.4687	220	353
S99LBC-125200 <input type="checkbox"/>	6	1.2500	2.0000	2.625	2.005	.0679	1.8859	353	616
S99LBC-150238 <input type="checkbox"/>		1.5000	2.3750	3.000	2.412	.0859	2.2389	490	904

NOTE: To order bearings with no seals, use catalog numbers as they are. To order bearings with seals at both ends, add "S" to the end of catalog number.

BEARING TOLERANCES

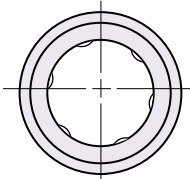
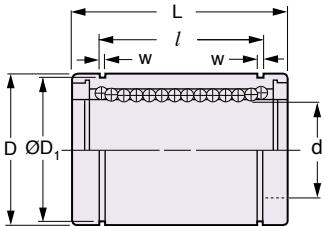
* B Tolerance:	.2500, .3750, .5000 & .6250	+0.000 / -.00025
	.7500 & 1.0000	+0.000 / -.00030
	1.2500 & 1.5000	+0.000 / -.00035
□ O.D. Tolerance:	.5000	+0.000 / -.00045
	.6250, .8750 & 1.1250	+0.000 / -.00050
	1.2500 & 1.5625	+0.000 / -.00065
	2.0000 & 2.3750	+0.000 / -.00075
Δ L Tolerance:	.750, .875, 1.250, 1.500 & 1.625	+0.000 / -.0008
	2.250, 2.625 & 3.000	+0.000 / -.012
§ E Tolerance:	.511, .636, .963, 1.104 & 1.166	+0.000 / -.0008
	1.755, 2.005 & 2.412	+0.000 / -.012



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MATERIAL: Sleeve and Balls – AISI 52100 Steel
Retainer – Duracon M90

Catalog Number	Ball Circuit	d* Bore	D** O.D.	L Δ Length	l ^s Groove Distance	w Groove Width	D ₁ Groove	Load Capacity	
								Dynamic N	Static N
<input type="checkbox"/> S99LBCM003010 <input type="checkbox"/>	4	3	7	10	—	—	—	69	105
<input type="checkbox"/> S99LBCM004012 <input type="checkbox"/>		4	8	12	—	—	—	88	127
<input type="checkbox"/> S99LBCM005022 <input type="checkbox"/>		5	12	22	14.5	1.1	11.5	206	265
<input type="checkbox"/> S99LBCM008025 <input type="checkbox"/>	4	8	16	25	16.5	1.1	15.2	265	402
<input type="checkbox"/> S99LBCM010029 <input type="checkbox"/>		10	19	29	22	1.3	18	372	549
<input type="checkbox"/> S99LBCM012032 <input type="checkbox"/>		12	22	32	22.9	1.3	21	510	784
<input type="checkbox"/> S99LBCM016036 <input type="checkbox"/>	4	16	26	36	24.9	1.3	24.9	578	892
<input type="checkbox"/> S99LBCM020045 <input type="checkbox"/>	5	20	32	45	31.5	1.6	30.3	862	1370
<input type="checkbox"/> S99LBCM025058 <input type="checkbox"/>	6	25	40	58	44.1	1.85	37.5	980	1570
<input type="checkbox"/> S99LBCM030068 <input type="checkbox"/>	6	30	47	68	52.1	1.85	44.5	1570	2740
<input type="checkbox"/> S99LBCM040080 <input type="checkbox"/>		40	62	80	60.6	2.15	59	2160	4020
<input type="checkbox"/> S99LBCM050100 <input type="checkbox"/>		50	75	100	77.6	2.65	72	3820	7940
<input type="checkbox"/> S99LBCM060125 <input type="checkbox"/>		60	90	125	101.7	3.15	86.5	4700	9800

NOTE: To order bearings with no seals, use catalog numbers as they are. To order bearings with seals at both ends, add "S" to the end of catalog number.

These part numbers are not available with seals.

BEARING TOLERANCES

*d Tolerance:	3, 4, 5, 8 10 & 12 mm	+0.008 / 0
	16 & 20 mm	+0.009 / -0.001
	25 & 30 mm	+0.011 / -0.001
	40, 50 & 60 mm	+0.013 / -0.002
**D Tolerance:	7, 8, 12 & 16 mm	0 / -0.008
	19, 22 & 26 mm	0 / -0.009
	32, 40 & 47 mm	0 / -0.011
	62 & 75 mm	0 / -0.013
	90 mm	0 / -0.015
Δ L Tolerance:	10 & 12 mm	0 / -0.120
	22, 25, 29, 32, 36 & 45 mm	0 / -0.200
	58, 68, 80 & 100 mm	0 / -0.300
	125 mm	0 / -0.400
§ l Tolerance:	14.5, 16.5, 22, 22.9, 24.9 & 31.5 mm	0 / -0.200
	44.1, 52.1, 60.6 & 77.6 mm	0 / -0.300
	101.7 mm	0 / -0.400