

# Rexroth Linear Bushings and Shafts, GreenLight Selection



Bosch Rexroth is the global leader in metric bushings. Whether you need standard bushings or cut-to-length linear shafts, our products are available in both inch and metric sizes.

Offered in a wide range of standard bearing housings, mountings, seals, shaft supports, and end finishes, our products can be interchanged with those of other major manufacturers.

## Linear Bushings: Technical Data and Ordering Information

### Metric Bushings: Closed

Size(mm)	STD Precision with 2 seals	SUPER A with 2 seals	COMPACT with 2 seals
5	0602-305-10	-	-
8	0602-308-10	-	-
12	0602-012-10	0670-212-40	0658-212-40
16	0602-016-10	0670-216-40	0658-216-40
20	0602-020-10	0670-220-40	0658-220-40
25	0602-025-10	0670-225-40	0658-225-40
30	0602-030-10	0670-230-40	0658-230-40
40	0602-040-10	0670-240-40	0658-240-40
50	0602-050-10	0670-250-40	0658-250-40

### Metric Shafts: Carbon Steel

Size (mm)	AISI 1060 Tolerance h6
5	1000-005-00
8	1000-008-00
12	1000-012-00
16	1000-016-00
20	1000-020-00
25	1000-025-00
30	1000-030-00
40	1000-040-00
50	1000-050-00

### Inch Bushings: Closed

Size(in)	STD Precision with 2 seals	SUPER with 2 seals
0.250	0750-204-00	0755-204-00
0.375	0750-206-00	0755-206-00
0.500	0750-208-00	0755-208-00
0.625	0750-210-00	0755-210-00
0.750	0750-212-00	0755-212-00
1.000	0750-216-00	0755-216-00
1.250	0750-220-00	0755-220-00
1.500	0750-224-00	0755-224-00
2.000	0750-232-00	0755-232-00

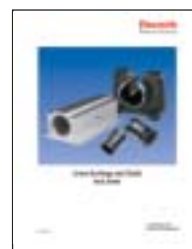
### Inch Shafts: Carbon Steel

Size (in)	AISI 1060 Class L
0.250	1700-004-08
0.375	1700-006-08
0.500	1700-008-08
0.625	1700-010-08
0.750	1700-012-08
1.000	1700-016-08
1.250	1700-020-08
1.500	1700-024-08
2.000	1700-032-08

## Need more than what you see here?

For information on the complete line of Rexroth bushing products, request catalog RA 99 110 for inch and

RA 83 100 for metric or download it from the Linear Motion and Assembly Technologies area at:  
[www.boschrexroth-us.com](http://www.boschrexroth-us.com).



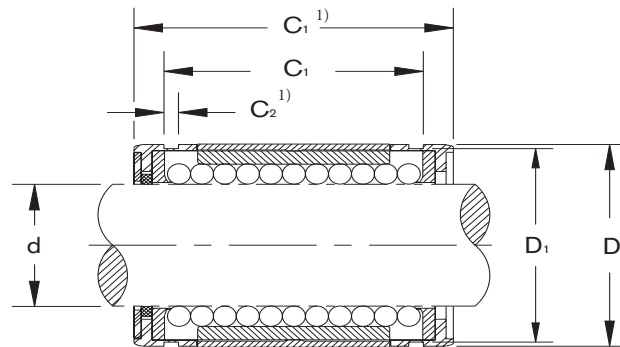
## Linear Bushing Dimensions Closed Type

Dimensions: Metric Bushings (mm) Standard and Super Series

Bore / d	D h5	C h12	C <sub>1</sub> H13	C <sub>2</sub>	D <sub>1</sub>	
					Standard	Super
5 <sup>1)</sup>	12	22	14.2	1.1	11.1	-
8 <sup>1)</sup>	16	25	16.2	1.1	14.7	-
10	19	29	21.6	1.3	-	18
12	22	32	22.6	1.3	20.5	21
16	26	36	24.6	1.3	24.9	24.9
20	32	45	31.2	1.6	30.5	30.5
25	40	58	43.7	1.85	38.5	38.5
30	47	68	51.7	1.85	44.5	44.5
40	62	80	60.3	2.15	58	58.5
50	75	100	77.3	2.65	71	71.5

Dimensions: Metric Bushings (mm)  
Compact Series

Bore / d	D	C ± 0.2
12	19	28
16	24	30
20	28	30
25	35	40
30	40	50
40	52	60
50	62	70



<sup>1)</sup> C<sub>1</sub>, C<sub>2</sub> and D<sub>1</sub> refer to the snap ring groove.

There is no snap ring groove on the metric compact type.

The outer dimension of the metal stamping is slightly oversized.  
No special retention elements are necessary.

For load capacities and life prediction see Bosch Rexroth catalog RE83100 for metric linear bushings and RA99110 for inch products.

Dimensions: Inch Bushings (in) Standard and Super Series

Bore / d	D	C	C <sub>1</sub>		C <sub>2</sub>	D <sub>1</sub>
			Standard	Super		
.2500/.2496	0.5000	0.7500	0.5110	0.0390	0.4687	0.4687
.3750/.3746	0.6250	0.8750	0.6385	0.0390	0.5880	0.5880
.5000/.4996	0.8750	1.2500	0.9625	0.0459	0.8209	0.8209
.6250/.6246	1.1250	1.5000	1.1039	0.0559	1.0590	1.0590
.7500/.7496	1.2500	1.6250	1.1657	0.0559	1.1760	1.1760
1.0000/.9996	1.5625	2.2500	1.7547	0.0679	1.4687	1.4687
1.2500/1.2495	2.0000	2.6250	2.0047	0.0679	1.8859	1.8859
1.5000/1.4995	2.3750	3.0000	2.4118	0.0859	2.2389	2.2389
2.0000/1.9995	3.0000	4.0000	3.1917	0.1029	2.8379	2.8379