



LBCM - **16** - **S**

Linear Bearing Closed Metric

LBCM - Asian JIS Super Metric Bearing

Nominal Diameter

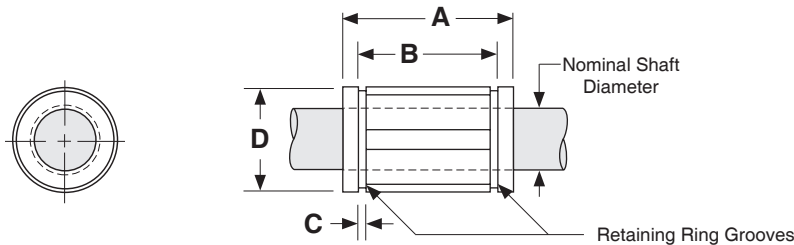
- 16** - 16 mm diameter **30** - 30 mm diameter
- 20** - 20 mm diameter **40** - 40 mm diameter
- 25** - 25 mm diameter

Bearing Options

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

Dimensions & Specifications: **LBCM** Linear Bearing Closed Metric (Asian Style)

Model Number		Nominal Shaft Diameter (mm)	Dynamic Load Capacity N (Kgf)	Housing Bore D (mm) ⁽²⁾	Dimensions (mm)			No. of Ball Tracks	Bearing Weight (kg)
Without Seals	With Seals				A	B	C		
LBCM-16	LBCM-16-S	16	1225 (119,9)	28	37	26,5	1,60	5	0,034
LBCM-20	LBCM-20-S	20	2303 (239,8)	32	42	30,5	1,60	6	0,058
LBCM-25	LBCM-25-S	25	4312 (459,6)	40	59	41,0	1,85	6	0,120
LBCM-30	LBCM-30-S	30	4802 (569,6)	45	64	44,5	1,85	6	0,148
LBCM-40	LBCM-40-S	40	9310 (949,3)	60	80	60,5	2,10	6	0,314



(1) Rating based upon 50 km of travel with the load forces being applied downward on the linear bearing, while in a horizontal application, and based upon 1060 steel shafting (Rockwell 60C).

(2) This specification is based upon the bearing being on the shaft.

Operating Temperature	-17,8° C to +85° C												
Maximum Speed	2,74 meters/second												
Matching Shaft	Metric Diameters (SM series), hardened & ground shafting												
Housing Tolerances	<table border="1"> <thead> <tr> <th>Nominal Shaft Diameter (mm)</th> <th>Recommended Housing Bore D (mm)</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>28,10 / 28,03</td> </tr> <tr> <td>20</td> <td>32,10 / 32,05</td> </tr> <tr> <td>25</td> <td>40,10 / 40,05</td> </tr> <tr> <td>30</td> <td>45,15 / 45,05</td> </tr> <tr> <td>40</td> <td>60,15 / 60,05</td> </tr> </tbody> </table>	Nominal Shaft Diameter (mm)	Recommended Housing Bore D (mm)	16	28,10 / 28,03	20	32,10 / 32,05	25	40,10 / 40,05	30	45,15 / 45,05	40	60,15 / 60,05
Nominal Shaft Diameter (mm)	Recommended Housing Bore D (mm)												
16	28,10 / 28,03												
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LBOM - **16** - **S**

Linear Bearing Open Metric

LBOM - Asian JIS Super Metric Bearing

Nominal Diameter

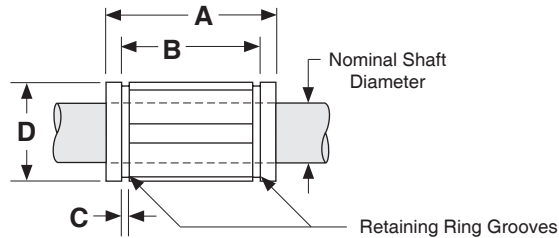
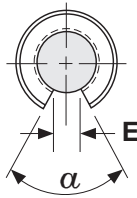
- 16** - 16 mm diameter **30** - 30 mm diameter
- 20** - 20 mm diameter **40** - 40 mm diameter
- 25** - 25 mm diameter

Bearing Options

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

Dimensions & Specifications: **LBOM** Linear Bearing Open Metric (Asian Style)

Model Number		Nominal Shaft Diameter (mm)	Dynamic Load Capacity N (Kgf)	Housing Bore D (mm)	Dimensions (mm)				Angle α	No. of Ball Tracks	Bearing Weight (kg)
Without Seals	With Seals				A	B	C	E min.			
LBOM-16	LBOM-16-S	16	1372 (139,9)	28	37	26,5	1,60	11,0	60°	4	0,026
LBOM-20	LBOM-20-S	20	2332 (237,8)	32	42	30,5	1,60	11,0	60°	5	0,048
LBOM-25	LBOM-25-S	25	4351 (443,7)	40	59	41,0	1,85	12,5	60°	5	0,100
LBOM-30	LBOM-30-S	30	4851 (494,7)	45	64	44,5	1,85	15,0	60°	5	0,122
LBOM-40	LBOM-40-S	40	9408 (959,3)	60	80	60,5	2,15	20,0	60°	5	0,260



- (1) Rating based upon 50 km of travel with the load forces being applied downward on the linear bearing, while in a horizontal application, and based upon 1060 steel shafting (Rockwell 60C).
- (2) This specification is based upon the bearing being on the shaft.

Operating Temperature	-17.8° C to +85° C												
Maximum Speed	2,74 meters/second												
Matching Shaft	Metric Diameters (SM series), hardened & ground shafting												
Housing Tolerances	<table border="1"> <thead> <tr> <th>Nominal Shaft Diameter (mm)</th> <th>Recommended Housing Bore D (mm)</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>28,10 / 28,03</td> </tr> <tr> <td>20</td> <td>32,10 / 32,05</td> </tr> <tr> <td>25</td> <td>40,10 / 40,05</td> </tr> <tr> <td>30</td> <td>45,15 / 45,05</td> </tr> <tr> <td>40</td> <td>60,15 / 60,05</td> </tr> </tbody> </table>	Nominal Shaft Diameter (mm)	Recommended Housing Bore D (mm)	16	28,10 / 28,03	20	32,10 / 32,05	25	40,10 / 40,05	30	45,15 / 45,05	40	60,15 / 60,05
Nominal Shaft Diameter (mm)	Recommended Housing Bore D (mm)												
16	28,10 / 28,03												
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25	40,10 / 40,05												
30	45,15 / 45,05												
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LBCME - 16 - S

Linear Bearing Closed Metric

LBCME - European ISO Super Metric Bearing

Nominal Diameter

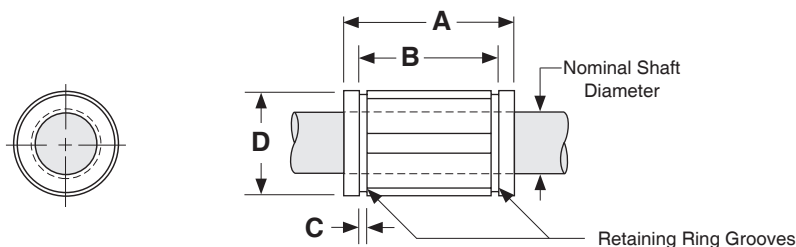
- 16** - 16 mm diameter **30** - 30 mm diameter
- 20** - 20 mm diameter **40** - 40 mm diameter
- 25** - 25 mm diameter **50** - 50 mm diameter

Bearing Options

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

Dimensions & Specifications: **LBCME** Linear Bearing Closed Metric (European Style)

Model Number		Nominal Shaft Diameter (mm)	Dynamic Load Capacity N (Kgf)	Housing Bore D (mm)	Dimensions (mm)			No. of Ball Tracks	Bearing Weight (kg)
Without Seals	With Seals				A	B	C		
LBCME-16	LBCME-16-S	16	1176 (119,9)	26	36	24,6	1,30	5	0,026
LBCME-20	LBCME-20-S	20	2352 (239,8)	32	45	31,2	1,60	6	0,060
LBCME-25	LBCME-25-S	25	4508 (459,6)	40	58	43,7	1,85	6	0,120
LBCME-30	LBCME-30-S	30	5586 (569,6)	47	68	51,7	1,85	6	0,184
LBCME-40	LBCME-40-S	40	9310 (949,3)	62	80	60,3	2,15	6	0,342
LBCME-50	LBCME-50-S	50	13720 (1399,0)	75	100	77,3	2,65	6	0,586



(1) Rating based upon 50km of travel with the load forces being applied downward on the linear bearing, while in a horizontal application, and based upon 1060 steel shafting (Rockwell 60C).

(2) This specification is based upon the bearing being on the shaft.

Operating Temperature	-17.8° C to +85° C														
Maximum Speed	2,74 meters/second														
Matching Shaft	Metric Diameters (SM series), hardened & ground shafting														
Housing Tolerances	<table border="1"> <thead> <tr> <th>Nominal Shaft Diameter (mm)</th> <th>Recommended Housing Bore D (mm)</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>26,10 / 26,03</td> </tr> <tr> <td>20</td> <td>32,10 / 32,05</td> </tr> <tr> <td>25</td> <td>40,10 / 40,05</td> </tr> <tr> <td>30</td> <td>47,15 / 47,05</td> </tr> <tr> <td>40</td> <td>62,15 / 62,05</td> </tr> <tr> <td>50</td> <td>75,20 / 75,02</td> </tr> </tbody> </table>	Nominal Shaft Diameter (mm)	Recommended Housing Bore D (mm)	16	26,10 / 26,03	20	32,10 / 32,05	25	40,10 / 40,05	30	47,15 / 47,05	40	62,15 / 62,05	50	75,20 / 75,02
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16	26,10 / 26,03														
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LBOME - 16 - S

Linear Bearing Open Metric

LBOME - European ISO Super Metric Bearing

Nominal Diameter

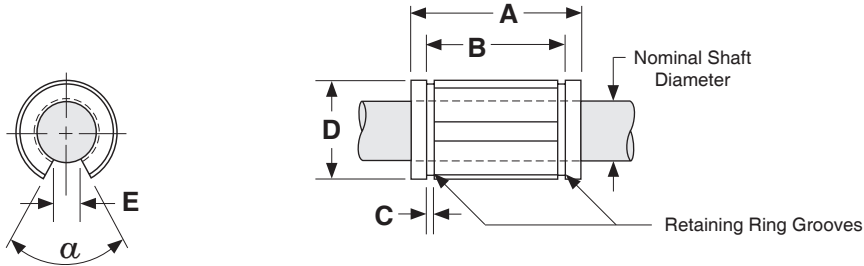
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- 25** - 25 mm diameter **50** - 50 mm diameter

Bearing Options

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

Dimensions & Specifications: **LBOME** Linear Bearing Open Metric (European Style)

Model Number		Nominal Shaft Diameter (mm)	Dynamic Load Capacity N (Kgf)	Housing Bore D (mm)	Dimensions (mm)				Angle α	No. of Ball Tracks	Bearing Weight (kg)
Without Seals	With Seals				A	B	C	E min.			
LBOME-16	LBOME-16-S	16	1332 (135,8)	26	36	24,6	1,30	9,0	68°	4	0,020
LBOME-20	LBOME-20-S	20	2371 (241,8)	32	45	31,2	1,60	9,0	55°	5	0,050
LBOME-25	LBOME-25-S	25	4557 (464,7)	40	58	43,7	1,85	11,5	57°	5	0,100
LBOME-30	LBOME-30-S	30	5644 (575,5)	47	68	51,7	1,85	14,0	57°	5	0,154
LBOME-40	LBOME-40-S	40	9398 (958,3)	62	80	60,3	2,15	19,5	56°	5	0,286
LBOME-50	LBOME-50-S	50	13857 (1413,0)	75	100	77,3	2,65	22,5	54°	5	0,486



- (1) Rating based upon 50 km of travel with the load forces being applied downward on the linear bearing, while in a horizontal application, and based upon 1060 steel shafting (Rockwell 60C).
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