LBCM - 16 - S

Linear Bearing Closed Metric

LBCM - Asian JIS Super Metric Bearing

Nominal Diameter

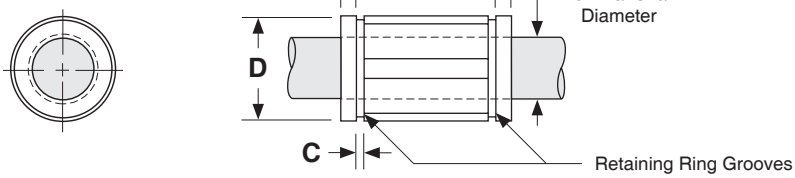
16 - 16 mm diameter
20 - 20 mm diameter
25 - 25 mm diameter
30 - 30 mm diameter
40 - 40 mm diameter

Bearing Options

- No seals
S - Seals at both ends

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

Model Number		Nominal Shaft Diameter	Dynamic (1) Load Capacity	Housing (2) Bore D	Dimensions (mm)			No. of Ball Tracks	Bearing Weight
Without Seals	With Seals	(mm)	N (Kgf)	(mm)	A	B	C		(kg)
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

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

LBOM - 16 - S

Linear Bearing Open Metric

LBOM - Asian JIS Super Metric Bearing

Nominal Diameter

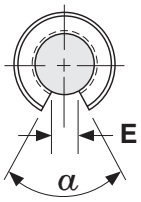
16 - 16 mm diameter
20 - 20 mm diameter
25 - 25 mm diameter
30 - 30 mm diameter
40 - 40 mm diameter

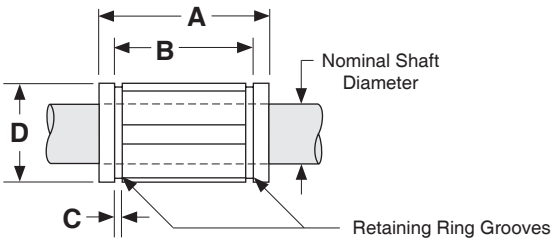
Bearing Options

- No seals
S - Seals at both ends

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

Model Number		Nominal Shaft Diameter	Dynamic (1) Load Capacity	Housing (2) Bore D	Dimensions (mm)				Angle	No. of Ball Tracks	Bearing Weight
Without Seals	With Seals	(mm)	N (Kgf)	(mm)	A	B	C	E min.	α		(kg)
LBOM-16	LBOM-16-S	16	1372 (139,9)	28	37	26,5	1,60	11,0	60^0	4	0,026
LBOM-20	LBOM-20-S	20	2332 (237,8)	32	42	30,5	1,60	11,0	60^0	5	0,048
LBOM-25	LBOM-25-S	25	4351 (443,7)	40	59	41,0	1,85	12,5	60^0	5	0,100
LBOM-30	LBOM-30-S	30	4851 (494,7)	45	64	44,5	1,85	15,0	60^0	5	0,122
LBOM-40	LBOM-40-S	40	9408 (959,3)	60	80	60,5	2,15	20,0	60^0	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^o C to $+85^o$ C
Maximum Speed	2,74 meters/second
Matching Shaft	Metric Diameters (SM series), hardened & ground shafting
Housing Tolerances	

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

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

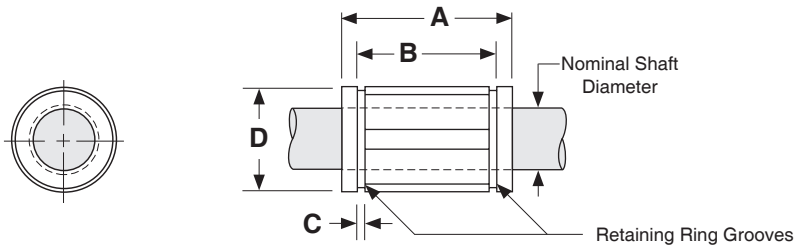
Bearing Options

- No seals

S - Seals at both ends

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

Model Number		Nominal Shaft Diameter	Dynamic (1) Load Capacity	Housing (2) Bore D	Dimensions (mm)			No. of Ball Tracks	Bearing Weight
Without Seals	With Seals	(mm)	N (Kgf)	(mm)	A	B	C		(kg)
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

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

LBOME - 16 - S

Linear Bearing Open Metric

LBOME - European ISO Super Metric Bearing

Nominal Diameter

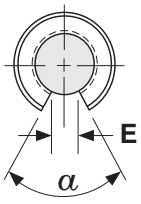
16 - 16 mm diameter
20 - 20 mm diameter
25 - 25 mm diameter
30 - 30 mm diameter
40 - 40 mm diameter
50 - 50 mm diameter

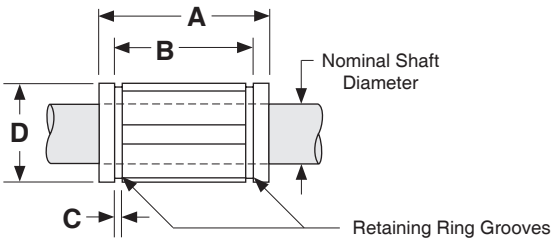
Bearing Options

- No seals
S - Seals at both ends

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

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





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

Operating Temperature	-17.8^o C to $+85^o$ C
Maximum Speed	2,74 meters/second
Matching Shaft	Metric Diameters (SM series), hardened & ground shafting
Housing Tolerances	

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