



**LBOME - 16 - S**

**Linear Bearing Open Metric**

**LBOME** - European ISO Super Metric Bearing

**Nominal Diameter**

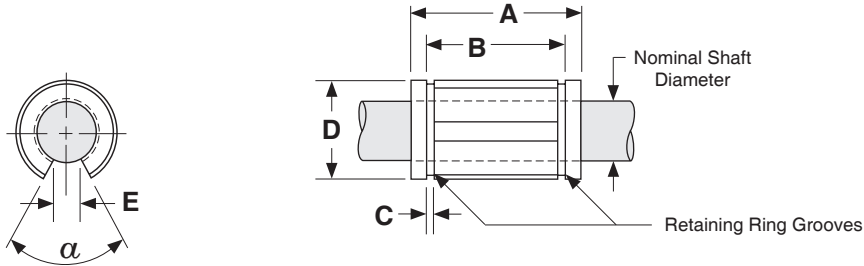
**16** - 16 mm diameter      **30** - 30 mm diameter  
**20** - 20 mm diameter      **40** - 40 mm diameter  
**25** - 25 mm diameter      **50** - 50 mm diameter

**Bearing Options**

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

## Dimensions & Specifications: **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 $\alpha$	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).

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

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