



**EB..M**

**mm**

**Rod End Bearings**

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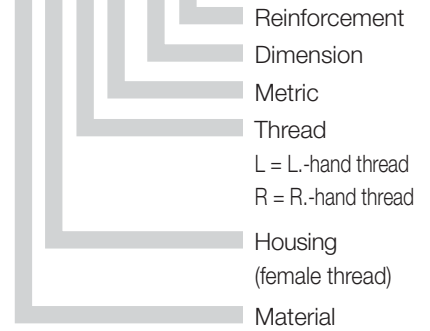
**51.16**



Data in mm

Structure – part no.

**E B ... M-04 V**



**EBRM V with metal inlay**

## igubal® – Rod End Bearings:

- Maintenance-free, self-lubricating
- High strength under impact loads
- Very high tensile strength for varying loads
- Compensation for alignment errors
- Compensation for edge loads
- Resistant to dirt, dust and lint
- Resistant to corrosion and chemicals
- High vibration dampening capacity
- Suitable for rotating, oscillating and linear movements
- Lightweight
- Dimensional series E according to standard DIN ISO 12240
- 50 % higher tensile force possible due to metal inlay (only dimension 16, more dimensions on request)



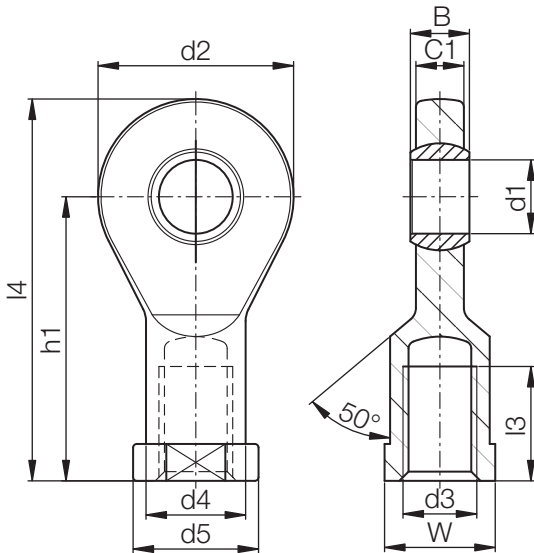
### Material

Housing: igamid G  
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 Spherical Bearing: iglidur® W300  
 ► Chapter 5  
 More Spherical bearing materials on request  
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## Load Data

igubal® – Rod End Bearings EBRM / EBLM

| Part Number        |                    | Max. static tensile strength |               | Max. radial load |               | Min. thread depth [mm] | Max. torque inside thread [Nm] | Max. torque through ball [Nm] |
|--------------------|--------------------|------------------------------|---------------|------------------|---------------|------------------------|--------------------------------|-------------------------------|
| R.-hand thread     | L.-hand thread     | Short term [N]               | Long term [N] | Short term [N]   | Long term [N] |                        |                                |                               |
| <b>EBRM-04</b>     | <b>EBLM-04</b>     | 800                          | 400           | 100              | 50            | 7                      | 0,4                            | 2,0                           |
| <b>EBRM-05</b>     | <b>EBLM-05</b>     | 1300                         | 650           | 150              | 75            | 8                      | 0,5                            | 2,0                           |
| <b>EBRM-06</b>     | <b>EBLM-06</b>     | 1500                         | 750           | 200              | 100           | 8                      | 1,5                            | 2,5                           |
| <b>EBRM-08</b>     | <b>EBLM-08</b>     | 2000                         | 1000          | 450              | 225           | 11                     | 5,0                            | 7,0                           |
| <b>EBRM-10</b>     | <b>EBLM-10</b>     | 2300                         | 1150          | 500              | 250           | 13                     | 15,0                           | 14,0                          |
| <b>EBRM-10 F</b>   | <b>EBLM-10 F</b>   | 2300                         | 1150          | 500              | 250           | 13                     | 6,0                            | 14,0                          |
| <b>EBRM-12</b>     | <b>EBLM-12</b>     | 3300                         | 1650          | 550              | 275           | 14                     | 20,0                           | 25,0                          |
| <b>EBRM-12 F</b>   | <b>EBLM-12 F</b>   | 3300                         | 1650          | 550              | 275           | 14                     | 15,0                           | 25,0                          |
| <b>EBRM-15</b>     | <b>EBLM-15</b>     | 4800                         | 2400          | 800              | 400           | 18                     | 25,0                           | 30,0                          |
| <b>EBRM-16</b>     | <b>EBLM-16</b>     | 5000                         | 2500          | 850              | 425           | 18                     | 20,0                           | 32,0                          |
| <b>EBRM-16 F</b>   | <b>EBLM-16 F</b>   | 5000                         | 2500          | 850              | 425           | 18                     | 15,0                           | 32,0                          |
| <b>EBRM-17</b>     | <b>EBLM-17</b>     | 5300                         | 2650          | 1100             | 550           | 19                     | 30,0                           | 35,0                          |
| <b>EBRM-17 F</b>   | <b>EBLM-17 F</b>   | 5300                         | 2650          | 1100             | 550           | 19                     | 27,5                           | 35,0                          |
| <b>EBRM-20</b>     | <b>EBLM-20</b>     | 7200                         | 3600          | 1800             | 900           | 22                     | 60,0                           | 40,0                          |
| <b>EBRM-20 M20</b> | <b>EBLM-20 M20</b> | 7200                         | 3600          | 1800             | 900           | 22                     | 60,0                           | 40,0                          |
| <b>EBRM-25</b>     | <b>EBLM-25</b>     | 10000                        | 5000          | 2600             | 1300          | 27                     | 115,0                          | 55,0                          |
| <b>EBRM-30</b>     | <b>EBLM-30</b>     | 10500                        | 5250          | 3000             | 1500          | 33                     | 130,0                          | 70,0                          |



**Dimensions [mm]**

igubal® – Rod End Bearings EBRM / EBLM

| Part Number    |                | d1  | d2 | d3         | d4   | d5 | C1   | B  | h1   | l3   | l4    | W    | Max. pivot angle |
|----------------|----------------|-----|----|------------|------|----|------|----|------|------|-------|------|------------------|
|                |                | E10 |    |            |      |    |      |    |      |      |       |      |                  |
| R.-hand thread | L.-hand thread |     |    |            |      |    |      |    |      |      |       |      |                  |
| EBRM-04        | EBLM-04        | 4   | 15 | M04        | -    | -  | 3,5  | 5  | 22,5 | 9,5  | 30,0  | SW08 | 33°              |
| EBRM-05        | EBLM-05        | 5   | 19 | M05        | 9,0  | 11 | 4,4  | 6  | 30   | 12   | 39,5  | SW09 | 33°              |
| EBRM-06        | EBLM-06        | 6   | 21 | M06        | 11,0 | 13 | 4,4  | 6  | 30   | 12   | 40,5  | SW11 | 27°              |
| EBRM-08        | EBLM-08        | 8   | 24 | M08        | 13,0 | 16 | 6,0  | 8  | 36   | 16   | 48,0  | SW14 | 24°              |
| EBRM-10        | EBLM-10        | 10  | 29 | M10        | 15,0 | 19 | 7,0  | 9  | 43   | 18   | 57,5  | SW17 | 24°              |
| EBRM-10 F      | EBLM-10 F      | 10  | 29 | M10 x 1,25 | 15,0 | 19 | 7,0  | 9  | 43   | 18   | 57,5  | SW17 | 24°              |
| EBRM-12        | EBLM-12        | 12  | 34 | M12        | 18,0 | 22 | 8,0  | 10 | 50   | 20   | 67,0  | SW19 | 21°              |
| EBRM-12 F      | EBLM-12 F      | 12  | 34 | M12 x 1,25 | 18,0 | 22 | 8,0  | 10 | 50   | 20   | 67,0  | SW19 | 21°              |
| EBRM-15        | EBLM-15        | 15  | 40 | M14        | 21,0 | 26 | 10,0 | 12 | 61   | 26   | 81,0  | SW22 | 21°              |
| EBRM-16        | EBLM-16        | 16  | 43 | M16        | -    | -  | 10,5 | 13 | 64,5 | 26,5 | 86,0  | SW22 | 21°              |
| EBRM-16 F      | EBLM-16 F      | 16  | 43 | M16 x 1,5  | -    | -  | 10,5 | 13 | 64,5 | 26,5 | 86,0  | SW22 | 21°              |
| EBRM-16 V      |                | 16  | 43 | M16        | -    | -  | 10,5 | 13 | 64,5 | 26,5 | 86,0  | SW22 | 21°              |
| EBRM-17        | EBLM-17        | 17  | 46 | M16        | 24,0 | 30 | 11,0 | 14 | 67   | 27   | 90,0  | SW27 | 18°              |
| EBRM-17 F      | EBLM-17 F      | 17  | 46 | M16 x 1,5  | 24,0 | 30 | 11,0 | 14 | 67   | 27   | 90,0  | SW27 | 18°              |
| EBRM-20        | EBLM-20        | 20  | 53 | M20 x 1,5  | 27,0 | 34 | 13,0 | 16 | 77   | 31   | 103,5 | SW30 | 16°              |
| EBRM-20 M20    | EBLM-20 M20    | 20  | 53 | M20 x 2,5  | 27,0 | 34 | 13,0 | 16 | 77   | 31   | 103,5 | SW30 | 16°              |
| EBRM-25        | EBLM-25        | 25  | 64 | M24 x 2,0  | 34,0 | 41 | 17,0 | 20 | 94   | 38   | 126,5 | SW36 | 16°              |
| EBRM-30        | EBLM-30        | 30  | 73 | M30 x 2,0  | 41,0 | 48 | 19,0 | 22 | 110  | 47   | 146,5 | SW41 | 13°              |

Available from stock

**Spherical bearing material to choose ▶ Page 57.3**



J4VEM:  
clearance-free



JEM: Low  
moisture absorption



REM:  
Low Cost

