



Data in mm

Structure – part no.
E ST M-16



Dimension
Metric
Design
(Pillow Block)
Dimensional
series



Material

Housing: igumid G

► Page 70.6

Spherical Bearing:

iglidur® J

► Chapter 3

Special Properties

- High radial loads
- Can be used in liquid media
- Space-saving design
- Easy to install
- Predictable lifetime
- Maintenance-free, self-lubricating

Load Data

igubal® Pillow Block Bearing ESTM

| Part Number | Max. radial tensile strength | | Max. radial compressive strength | | Maximum axial strength | | Max. Torque fixing holes [Nm] |
|-------------|------------------------------|---------------|----------------------------------|---------------|------------------------|---------------|-------------------------------|
| | Short term [N] | Long term [N] | Short term [N] | Long term [N] | Short term [N] | Long term [N] | |
| ESTM-08 | 2500 | 1250 | 4300 | 2150 | 600 | 300 | 1,3 |
| ESTM-10 | 3400 | 1700 | 5300 | 2650 | 700 | 350 | 2,5 |
| ESTM-12 | 4500 | 2250 | 6500 | 3250 | 750 | 375 | 2,5 |
| ESTM-16 | 6700 | 3350 | 8500 | 4250 | 1100 | 550 | 4,5 |
| ESTM-20 | 8500 | 4250 | 11000 | 5750 | 1400 | 700 | 4,5 |
| ESTM-25 | 13500 | 6750 | 18500 | 9250 | 2300 | 1150 | 10,5 |
| ESTM-30* | 10000 | 5000 | 16500 | 8250 | 2500 | 1250 | 10,5 |

* Due to the different manufacturing method, the load values of the ESTM-30 are lower than ESTM-25

Dimensions [mm]

igubal® Pillow Block Bearing ESTM

| Part Number | d1 | d2 | d3 | h | h1 | h2 | a | m | C1 | B | R1 | Max. Pivot Angle |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------------------|
| ESTM-08 | 8,0 | 4,5 | – | 19 | 9,5 | – | 31,0 | 22,0 | 9,0 | 8,0 | 4,5 | 22° |
| ESTM-10 | 10,0 | 5,5 | – | 22 | 11 | – | 36,0 | 26,0 | 10,0 | 9,0 | 5,0 | 22° |
| ESTM-12 | 12,0 | 5,5 | – | 26 | 13 | – | 38,0 | 28,0 | 10,0 | 10,0 | 5,0 | 22° |
| ESTM-16 | 16,0 | 6,6 | 10,6 | 34,0 | 17,0 | 6,4 | 50,0 | 37,0 | 13,0 | 13,0 | 6,5 | 22° |
| ESTM-20 | 20,0 | 9,0 | 14,0 | 40,0 | 20,0 | 8,6 | 62,0 | 46,0 | 16,0 | 16,0 | 8,0 | 22° |
| ESTM-25 | 25,0 | 9,0 | 14,0 | 48,0 | 24,0 | 8,6 | 72,0 | 54,0 | 18,0 | 20,0 | 9,0 | 20° |
| ESTM-30 | 30,0 | 11,0 | 17,0 | 56,0 | 28,0 | 10,6 | 86,0 | 64,0 | 22,0 | 22,0 | 11,0 | 20° |

Pillow Block Bearings
ESTM
mm

Phone +49 - 22 03 - 96 49-145
Fax +49 - 22 03 - 96 49-334

