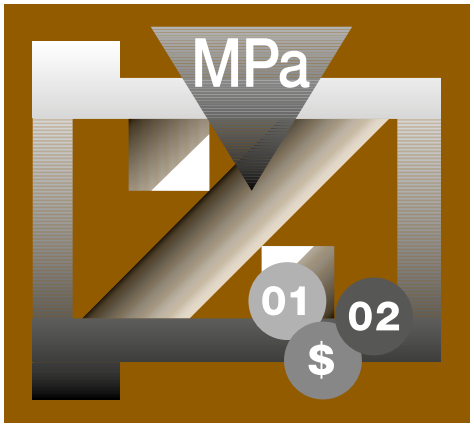



# The durable heavy-duty bearing

## Combined wear resistance and compressive strength at high loads

## iglidur® Q2

**When to use it?**

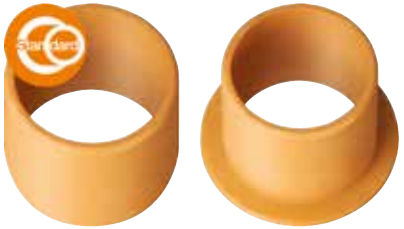
- When high dynamic loads occur
- When dirt occurs in addition to high shock and impact loads
- For highly loaded pivoting movements

**When not to use?**

- When only static loads occur
  ***iglidur® X, iglidur® H2***
- When high pv values occur in conjunction with high speeds
  ***iglidur® Z***
- When a cost-effective all-round plain bearing is required
  ***iglidur® G***
- When soft shafts are in use
  ***iglidur® W300***

# Bearing technology | Plain bearing | iglidur® Q2

Ø
4.0 –
120.0mm



Also available as:

Bar stock, round bar
Page 685

Bar stock, plate
Page 683

tribo-tape liner
Page 691

Piston rings
Page 584

Two hole flange bearings
Page 603

Moulded special parts
Page 624

igubal® spherical balls
Page 841

## The durable heavy-duty bearing

### Combined wear resistance and compressive strength at high loads

Where previous iglidur® bearing solutions are limited within the scope of extreme loads and strong impact forces, the iglidur® Q2 starts. Made for heavy-duty pivoting applications under extreme conditions.

- Wear-resistant
- Good price-performance ratio
- Lubrication-free
- Maintenance-free
- High rigidity
- Suitable for high loads

**Typical application areas**

- Agricultural engineering
- Utility and construction vehicles
- Mechanical engineering

| Descriptive technical specifications | | |
|---|---|---|
| Wear resistance at +23°C | – | + |
| Wear resistance at +90°C | – | + |
| Wear resistance at +150°C | – | + |
| Low coefficient of friction | – | + |
| Low moisture absorption | – | + |
| Wear resistance under water | – | + |
| High media resistance | – | + |
| Resistant to edge pressures | – | + |
| Suitable for shock and impact loads | – | + |
| Resistant to dirt | – | + |

**Online product finder**
www.igus.eu/iglidur-finder

**Online service life calculation**
www.igus.eu/iglidur-expert



iglidur® Q2
+130°C
120MPa

# Technical data

| General properties | | | Testing method |
|---|---|---|---|
| Density | g/cm³ | 1.46 | |
| Colour | | beige-brown | |
| Max. moisture absorption at +23°C and 50% r.h. | % weight | 1.1 | DIN 53495 |
| Max. moisture absorption | % weight | 4.6 | |
| Coefficient of friction, dynamic, against steel | µ | 0.22 – 0.42 | |
| pv value, max. (dry) | MPa · m/s | 0.70 | |
| **Mechanical properties** | | | |
| Flexural modulus | MPa | 8,370 | DIN 53457 |
| Flexural strength at +20°C | MPa | 240 | DIN 53452 |
| Compressive strength | MPa | 130 | |
| Max. recommended surface pressure (+20°C) | MPa | 120 | |
| Shore D hardness | | 80 | DIN 53505 |
| **Physical and thermal properties** | | | |
| Max. application temperature long-term | °C | +130 | |
| Max. application temperature short-term | °C | +200 | |
| Min. application temperature | °C | –40 | |
| Thermal conductivity | W/m · K | 0.24 | ASTM C 177 |
| Coefficient of thermal expansion (at +23°C) | $K^{-1} \cdot 10^{-5}$ | 8 | DIN 53752 |
| **Electrical properties** | | | |
| Specific contact resistance | Ωcm | $> 10^{13}$ | DIN IEC 93 |
| Surface resistance | Ω | $> 10^{11}$ | DIN 53482 |

Table 01: Material properties

–40°C up to +130°C

120MPa

HB

RoHS-II

ISO 3547-1

iglidur® Q2 plain bearings represent high load capacities and good abrasion resistance at high loads. The price-performance ratio is outstanding. Solid lubricants reduce the coefficient of friction and improve the resistance to wear, which was markedly improved as compared to other iglidur® plain bearings, especially for heavily loaded pivoting applications.

### Moisture absorption

Under standard climatic conditions, the moisture absorption of iglidur® Q2 plain bearings is approximately 1.1% weight. The saturation limit in water is 4.6% weight. This must be taken into account for these types of applications.

### Vacuum

In vacuum, any present moisture is released as vapour. The use in vacuum is only possible to a limited extent.

### Radiation resistance

Plain bearings made from iglidur® Q2 are resistant up to a radiation intensity of $3 \cdot 10^2$Gy.

### Resistance to weathering

iglidur® Q2 plain bearings are continuously resistant to weathering. The material properties are only slightly affected. Possible discolorations are only superficial.

### Mechanical properties

With increasing temperatures, the compressive strength of iglidur® Q2 plain bearings decreases. Diagram 02 shows this inverse relationship. However, at the long-term maximum temperature of +130°C the permissible surface pressure is around 20MPa. The maximum recommended surface pressure is a mechanical material parameter. No conclusions regarding the tribological properties can be drawn from this.
Diagram 03 shows the elastic deformation of iglidur® Q2 at radial loads.
***Surface pressure, page 41***

# Bearing technology | Plain bearing | iglidur® Q2

### Permissible surface speeds

Typical applications for iglidur® Q2 plain bearings are pivoting movements under high loads at comparatively low speeds. However, relatively high speeds are still attainable. The speeds stated in table 03 are limit values for the lowest bearing loads. With higher loads, the permitted speed drops with the extent of the load due to the limitations by the pv value.

*Surface speed, page 44*

### Temperature

iglidur® Q2 is a very temperature-stable material. The long-term upper temperature limit of +130°C permits the broad use in applications typical for the agricultural, utility vehicle or construction equipment sectors. With increasing temperatures, the compressive strength of iglidur® Q2 plain bearings decreases. For temperatures over +70°C an additional securing is required. When considering temperatures, the additional frictional heat in the bearing system must be taken into account.

*Application temperatures, page 49*
*Additional securing, page 49*

### Friction and wear

iglidur® Q2 has a low coefficient of friction. Please note that a sliding surface with a rough surface finish will increase the friction. The highest coefficient of friction occur at Ra = 1µm. Surface finishes (Ra) of the shaft between 0.1 – 0.4µm are ideal. Furthermore, the coefficient of friction of iglidur® Q2 plain bearings largely depends on the speed and load. As the surface speed increases, the coefficient of friction will quickly increase as well. However, as the load is reduced, the coefficient of friction initially drops significantly, then moderately.

*Coefficient of friction and surfaces, page 47*
*Wear resistance, page 50*

### Shaft materials

In high load applications, we generally recommend the use of hardened shafts. Furthermore, even at low to medium loads, iglidur® Q2 will attain increased service life with "hard" shafts as compared to "soft" shafts. But for low load applications, the results are outstanding with free cutting steel as well. For high loads, the wear in pivoting applications is much lower than for rotation. If the shaft material you plan on using is not shown in these test results, please contact us.

*Shaft materials, page 52*

### Installation tolerances

iglidur® Q2 plain bearings are standard bearings for shafts with h tolerance (recommended minimum h9). The bearings are designed for press-fit into a housing machined to a H7 tolerance. After being assembled into a nominal size housing, in standard cases the inner diameter automatically adjusts to the E10 tolerances. For particular dimensions the tolerance differs depending on the wall thickness (please see product range table).

*Testing methods, page 57*

| Chemicals | Resistance |
|---|---|
| Alcohols | + |
| Diluted acids | 0 up to – |
| Diluted alkalines | + |
| Fuels | + |
| Greases, oils without additives | + |
| Hydrocarbons | + |
| Strong acids | – |
| Strong alkalines | 0 |

All information given at room temperature [+20°C]

Table 02: Chemical resistance

*Chemical table, page 1636*

| | | Rotating | Oscillating | linear |
|---|---|---|---|---|
| long-term | **m/s** | 1.0 | 0.7 | 4.0 |
| short-term | **m/s** | 2.0 | 1.4 | 5.0 |

Table 03: Maximum surface speeds

| | Dry | Greases | Oil | Water |
|---|---|---|---|---|
| Coefficient of friction µ | 0.22 – 0.42 | 0.09 | 0.04 | 0.04 |

Table 04: Coefficient of friction against steel (Ra = 1µm, 50HRC)

| | Housing | | Plain bearing | | Shaft | |
|---|---|---|---|---|---|---|
| Ø d1 [mm] | H7 [mm] | | E10 [mm] | | h9 [mm] | |
| 0 – 3 | +0.000 | +0.010 | +0.014 | +0.054 | –0.025 | +0.000 |
| > 3 – 6 | +0.000 | +0.012 | +0.020 | +0.068 | –0.030 | +0.000 |
| > 6 – 10 | +0.000 | +0.015 | +0.025 | +0.083 | –0.036 | +0.000 |
| > 10 – 18 | +0.000 | +0.018 | +0.032 | +0.102 | –0.043 | +0.000 |
| > 18 – 30 | +0.000 | +0.021 | +0.040 | +0.124 | –0.052 | +0.000 |
| > 30 – 50 | +0.000 | +0.025 | +0.050 | +0.150 | –0.062 | +0.000 |
| > 50 – 80 | +0.000 | +0.030 | +0.060 | +0.180 | –0.074 | +0.000 |
| > 80 – 120 | +0.000 | +0.035 | +0.072 | +0.212 | –0.087 | +0.000 |
| > 120 – 180 | +0.000 | +0.040 | +0.085 | +0.245 | –0.100 | +0.000 |

Table 05: Important tolerances for plain bearings according to ISO 3547-1 after press-fit





# Technical data

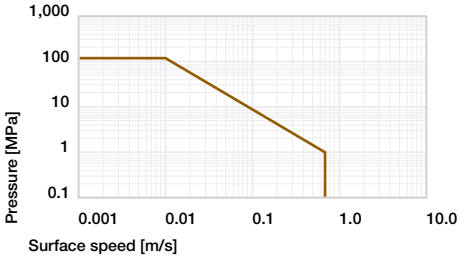



Diagram 01: Permissible pv values for iglidur® Q2 plain bearings with a wall thickness of 1mm, dry operation against a steel shaft, at +20°C, mounted in a steel housing

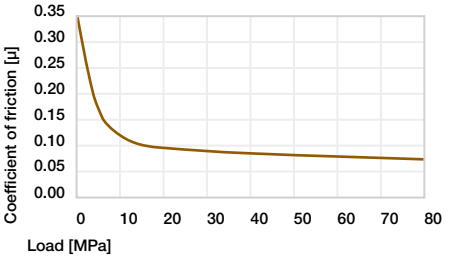



Diagram 05: Coefficient of friction as a function of the load, v = 0.01m/s

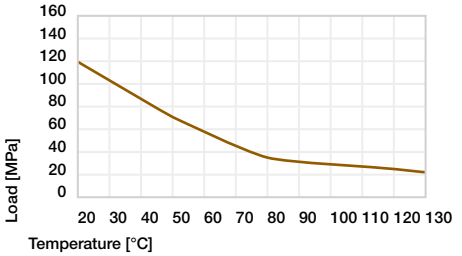



Diagram 02: Maximum recommended surface pressure of as a function of temperature (120MPa at +20°C)

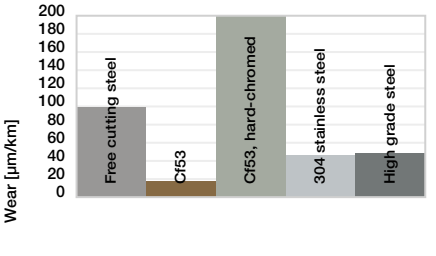



Diagram 06: Wear, pivoting with different shaft materials, pressure p = 45MPa, v = 0.01m/s

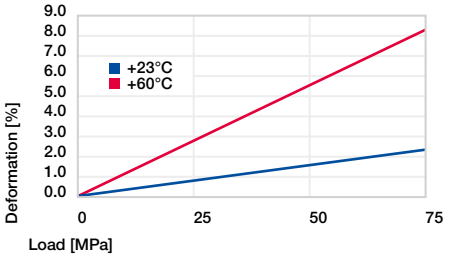



Diagram 03: Deformation under pressure and temperature

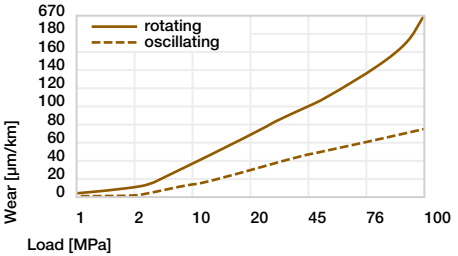



Diagram 07: Wear for oscillating and rotating applications with shaft material Cf53 hardened and ground steel, as a function of the load

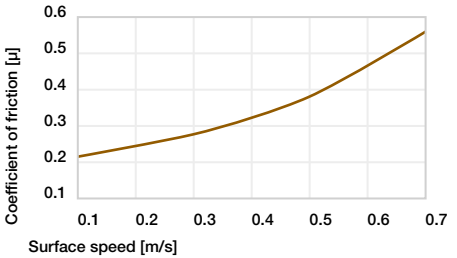
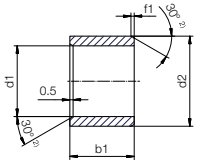



Diagram 04: Coefficient of friction as a function of the surface speed, p = 0.75MPa

# Bearing technology | Plain bearing | iglidur® Q2

## Sleeve bearing (form S)




[2] Thickness < 0.6mm: Chamfer = 20°

Chamfer in relation to d1

| d1 [mm] | Ø 1–6 | Ø 6–12 | Ø 12–30 | Ø > 30 |
|---|---|---|---|---|
| f1 [mm] | 0.3 | 0.5 | 0.8 | 1.2 |

Dimensions according to ISO 3547-1 and special dimensions

**Order example: Q2SM-0405-04 – no minimum order quantity.**
Q2 iglidur® material S Sleeve bearing M Metric 04 Inner Ø d1 05 Outer Ø d2 04 Total length b1

| d1 [mm] | d1 Tolerance[3] | d2 [mm] | b1 h13 [mm] | Part No. |
|---|---|---|---|---|
| 4.0 | | 5.5 | 4.0 | **Q2SM-0405-04** |
| 4.0 | | 5.5 | 6.0 | **Q2SM-0405-06** |
| 5.0 | | 7.0 | 5.0 | **Q2SM-0507-05** |
| 5.0 | +0.020 +0.068 | 7.0 | 10.0 | **Q2SM-0507-10** |
| 6.0 | | 8.0 | 6.0 | **Q2SM-0608-06** |
| 6.0 | | 8.0 | 8.0 | **Q2SM-0608-08** |
| 6.0 | | 8.0 | 10.0 | **Q2SM-0608-10** |
| 8.0 | | 10.0 | 8.0 | **Q2SM-0810-08** |
| 8.0 | | 10.0 | 10.0 | **Q2SM-0810-10** |
| 8.0 | | 10.0 | 12.0 | **Q2SM-0810-12** |
| 10.0 | +0.025 | 12.0 | 8.0 | **Q2SM-1012-08** |
| 10.0 | +0.083 | 12.0 | 10.0 | **Q2SM-1012-10** |
| 10.0 | | 12.0 | 12.0 | **Q2SM-1012-12** |
| 10.0 | | 12.0 | 15.0 | **Q2SM-1012-15** |
| 10.0 | | 12.0 | 20.0 | **Q2SM-1012-20** |
| 12.0 | | 14.0 | 10.0 | **Q2SM-1214-10** |
| 12.0 | | 14.0 | 12.0 | **Q2SM-1214-12** |
| 12.0 | | 14.0 | 15.0 | **Q2SM-1214-15** |
| 12.0 | | 14.0 | 20.0 | **Q2SM-1214-20** |
| 13.0 | | 15.0 | 10.0 | **Q2SM-1315-10** |
| 13.0 | | 15.0 | 20.0 | **Q2SM-1315-20** |
| 14.0 | +0.032 | 16.0 | 15.0 | **Q2SM-1416-15** |
| 14.0 | +0.102 | 16.0 | 20.0 | **Q2SM-1416-20** |
| 14.0 | | 16.0 | 25.0 | **Q2SM-1416-25** |
| 15.0 | | 17.0 | 15.0 | **Q2SM-1517-15** |
| 15.0 | | 17.0 | 20.0 | **Q2SM-1517-20** |
| 15.0 | | 17.0 | 25.0 | **Q2SM-1517-25** |
| 16.0 | | 18.0 | 15.0 | **Q2SM-1618-15** |
| 16.0 | | 18.0 | 20.0 | **Q2SM-1618-20** |

| d1 [mm] | d1 Tolerance[3] | d2 [mm] | b1 h13 [mm] | Part No. |
|---|---|---|---|---|
| 16.0 | | 18.0 | 25.0 | **Q2SM-1618-25** |
| 18.0 | +0.032 | 20.0 | 15.0 | **Q2SM-1820-15** |
| 18.0 | +0.102 | 20.0 | 20.0 | **Q2SM-1820-20** |
| 18.0 | | 20.0 | 25.0 | **Q2SM-1820-25** |
| 20.0 | | 23.0 | 10.0 | **Q2SM-2023-10** |
| 20.0 | | 23.0 | 15.0 | **Q2SM-2023-15** |
| 20.0 | | 23.0 | 20.0 | **Q2SM-2023-20** |
| 20.0 | | 23.0 | 25.0 | **Q2SM-2023-25** |
| 20.0 | | 23.0 | 30.0 | **Q2SM-2023-30** |
| 22.0 | | 25.0 | 15.0 | **Q2SM-2225-15** |
| 22.0 | | 25.0 | 20.0 | **Q2SM-2225-20** |
| 22.0 | | 25.0 | 25.0 | **Q2SM-2225-25** |
| 22.0 | | 25.0 | 30.0 | **Q2SM-2225-30** |
| 24.0 | | 27.0 | 15.0 | **Q2SM-2427-15** |
| 24.0 | +0.040 | 27.0 | 20.0 | **Q2SM-2427-20** |
| 24.0 | +0.124 | 27.0 | 25.0 | **Q2SM-2427-25** |
| 24.0 | | 27.0 | 30.0 | **Q2SM-2427-30** |
| 25.0 | | 28.0 | 15.0 | **Q2SM-2528-15** |
| 25.0 | | 28.0 | 20.0 | **Q2SM-2528-20** |
| 25.0 | | 28.0 | 25.0 | **Q2SM-2528-25** |
| 25.0 | | 28.0 | 30.0 | **Q2SM-2528-30** |
| 28.0 | | 32.0 | 30.0 | **Q2SM-2832-30** |
| 30.0 | | 34.0 | 20.0 | **Q2SM-3034-20** |
| 30.0 | | 34.0 | 25.0 | **Q2SM-3034-25** |
| 30.0 | | 34.0 | 30.0 | **Q2SM-3034-30** |
| 30.0 | | 34.0 | 40.0 | **Q2SM-3034-40** |
| 30.0 | | 35.0 | 40.0 | **Q2SM-3035-40** |
| 32.0 | +0.050 | 36.0 | 20.0 | **Q2SM-3236-20** |
| 32.0 | +0.150 | 36.0 | 30.0 | **Q2SM-3236-30** |

[3] After press-fit. *Testing methods, page 57*



iglidur® Q2
+130°C
120MPa

# Product range

| d1 [mm] | d1 Tolerance[3] | d2 [mm] | b1 h13 [mm] | Part No. |
|---|---|---|---|---|
| 32.0 | | 36.0 | 40.0 | **Q2SM-3236-40** |
| 32.0 | | 40.0 | 40.0 | **Q2SM-3240-40** |
| 35.0 | | 39.0 | 20.0 | **Q2SM-3539-20** |
| 35.0 | | 39.0 | 30.0 | **Q2SM-3539-30** |
| 35.0 | | 39.0 | 40.0 | **Q2SM-3539-40** |
| 35.0 | +0.050 | 39.0 | 50.0 | **Q2SM-3539-50** |
| 40.0 | +0.150 | 44.0 | 20.0 | **Q2SM-4044-20** |
| 40.0 | | 44.0 | 30.0 | **Q2SM-4044-30** |
| 40.0 | | 44.0 | 40.0 | **Q2SM-4044-40** |
| 40.0 | | 44.0 | 50.0 | **Q2SM-4044-50** |
| 45.0 | | 50.0 | 20.0 | **Q2SM-4550-20** |
| 45.0 | | 50.0 | 30.0 | **Q2SM-4550-30** |

| d1 [mm] | d1 Tolerance[3] | d2 [mm] | b1 h13 [mm] | Part No. |
|---|---|---|---|---|
| 45.0 | | 50.0 | 40.0 | **Q2SM-4550-40** |
| 45.0 | | 50.0 | 50.0 | **Q2SM-4550-50** |
| 50.0 | | 55.0 | 20.0 | **Q2SM-5055-20** |
| 50.0 | +0.050 | 55.0 | 30.0 | **Q2SM-5055-30** |
| 50.0 | +0.150 | 55.0 | 40.0 | **Q2SM-5055-40** |
| 50.0 | | 55.0 | 50.0 | **Q2SM-5055-50** |
| 50.0 | | 55.0 | 60.0 | **Q2SM-5055-60** |
| 60.0 | | 65.0 | 60.0 | **Q2SM-6065-60** |
| 65.0 | +0.060 | 70.0 | 60.0 | **Q2SM-6570-60** |
| 70.0 | +0.180 | 75.0 | 60.0 | **Q2SM-7075-60** |
| 75.0 | | 80.0 | 40.0 | **Q2SM-7580-40** |

[3] After press-fit. *Testing methods, page 57*

**Available from stock**
Detailed information about delivery time online.
www.igus.eu/24

**Online ordering**
Including delivery times, prices, online tools
www.igus.eu/Q2

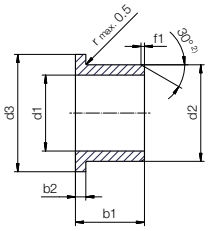
**Ordering note**
Our prices are scaled according to order quantities, current prices can be found online.

| Discount scaling | | |
|---|---|---|
| 1 – 9 | 50 – 99 | 500 – 999 |
| 10 – 24 | 100 – 199 | 1,000 – 2,499 |
| 25 – 49 | 200 – 499 | 2,500 – 4,999 |

**No minimum order value.**
**No low-quantity surcharges.**
**Free shipping within Germany for orders above €150.**

# Bearing technology | Plain bearing | iglidur® Q2

## Flange bearing (form F)




[2] Thickness < 0.6mm: Chamfer = 20°

Chamfer in relation to d1

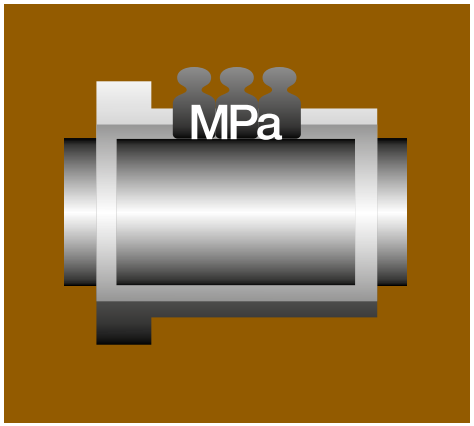
| d1 [mm] | Ø 1–6 | Ø 6–12 | Ø 12–30 | Ø > 30 |
|---|---|---|---|---|
| f1 [mm] | 0.3 | 0.5 | 0.8 | 1.2 |

Dimensions according to ISO 3547-1 and special dimensions

Order example: Q2FM-0507-05 – no minimum order quantity.
Q2 iglidur® material F Flange bearing M Metric 05 Inner Ø d1 07 Outer Ø d2 05 Total length b1

| d1 [mm] | d1 Tolerance[3] | d2 [mm] | d3 d13[3] [mm] | b1 h13 [mm] | b2 h13 [mm] | Part No. |
|---|---|---|---|---|---|---|
| 5.0 | | 7.0 | 11.0 | 5.0 | 1.00 | Q2FM-0507-05 |
| 6.0 | +0.020 | 8.0 | 12.0 | 4.0 | 1.00 | Q2FM-0608-04 |
| 6.0 | +0.068 | 8.0 | 12.0 | 6.0 | 1.00 | Q2FM-0608-06 |
| 6.0 | | 8.0 | 12.0 | 8.0 | 1.00 | Q2FM-0608-08 |
| 8.0 | | 10.0 | 15.0 | 3.0 | 1.00 | Q2FM-0810-03 |
| 8.0 | | 10.0 | 15.0 | 5.5 | 1.00 | Q2FM-0810-05 |
| 8.0 | | 10.0 | 15.0 | 7.5 | 1.00 | Q2FM-0810-07 |
| 8.0 | | 10.0 | 15.0 | 9.5 | 1.00 | Q2FM-0810-09 |
| 8.0 | +0.025 | 10.0 | 15.0 | 10.0 | 1.00 | Q2FM-0810-10 |
| 10.0 | +0.083 | 12.0 | 18.0 | 7.0 | 1.00 | Q2FM-1012-07 |
| 10.0 | | 12.0 | 18.0 | 9.0 | 1.00 | Q2FM-1012-09 |
| 10.0 | | 12.0 | 18.0 | 10.0 | 1.00 | Q2FM-1012-10 |
| 10.0 | | 12.0 | 18.0 | 12.0 | 1.00 | Q2FM-1012-12 |
| 10.0 | | 12.0 | 18.0 | 17.0 | 1.00 | Q2FM-1012-17 |
| 12.0 | | 14.0 | 20.0 | 7.0 | 1.00 | Q2FM-1214-07 |
| 12.0 | | 14.0 | 20.0 | 9.0 | 1.00 | Q2FM-1214-09 |
| 12.0 | | 14.0 | 20.0 | 12.0 | 1.00 | Q2FM-1214-12 |
| 12.0 | | 14.0 | 20.0 | 17.0 | 1.00 | Q2FM-1214-17 |
| 14.0 | | 16.0 | 22.0 | 5.0 | 1.00 | Q2FM-1416-05 |
| 14.0 | +0.032 | 16.0 | 22.0 | 12.0 | 1.00 | Q2FM-1416-12 |
| 14.0 | +0.102 | 16.0 | 22.0 | 17.0 | 1.00 | Q2FM-1416-17 |
| 15.0 | | 17.0 | 23.0 | 9.0 | 1.00 | Q2FM-1517-09 |
| 15.0 | | 17.0 | 23.0 | 12.0 | 1.00 | Q2FM-1517-12 |
| 15.0 | | 17.0 | 23.0 | 17.0 | 1.00 | Q2FM-1517-17 |
| 16.0 | | 18.0 | 24.0 | 12.0 | 1.00 | Q2FM-1618-12 |
| 16.0 | | 18.0 | 24.0 | 17.0 | 1.00 | Q2FM-1618-17 |
| 18.0 | | 20.0 | 26.0 | 12.0 | 1.00 | Q2FM-1820-12 |
| 18.0 | +0.032 | 20.0 | 26.0 | 17.0 | 1.00 | Q2FM-1820-17 |
| 18.0 | +0.102 | 20.0 | 26.0 | 22.0 | 1.00 | Q2FM-1820-22 |
| 20.0 | | 23.0 | 30.0 | 11.5 | 1.50 | Q2FM-2023-11 |
| 20.0 | | 23.0 | 30.0 | 12.0 | 1.50 | Q2FM-2023-12 |
| 20.0 | | 23.0 | 30.0 | 16.5 | 1.50 | Q2FM-2023-16 |
| 20.0 | | 23.0 | 30.0 | 21.5 | 1.50 | Q2FM-2023-21 |
| 25.0 | +0.040 | 28.0 | 35.0 | 11.5 | 1.50 | Q2FM-2528-11 |
| 25.0 | +0.124 | 28.0 | 35.0 | 16.5 | 1.50 | Q2FM-2528-16 |
| 25.0 | | 28.0 | 35.0 | 21.5 | 1.50 | Q2FM-2528-21 |
| 30.0 | | 34.0 | 42.0 | 16.0 | 2.00 | Q2FM-3034-16 |
| 30.0 | | 34.0 | 42.0 | 26.0 | 2.00 | Q2FM-3034-26 |
| 30.0 | | 34.0 | 42.0 | 37.0 | 2.00 | Q2FM-3034-37 |
| 30.0 | | 34.0 | 42.0 | 40.0 | 2.00 | Q2FM-3034-40 |
| 35.0 | | 39.0 | 47.0 | 16.0 | 2.00 | Q2FM-3539-16 |
| 35.0 | | 39.0 | 47.0 | 26.0 | 2.00 | Q2FM-3539-26 |
| 35.0 | | 39.0 | 47.0 | 40.0 | 2.00 | Q2FM-3539-40 |
| 40.0 | +0.050 | 44.0 | 52.0 | 30.0 | 2.00 | Q2FM-4044-30 |
| 40.0 | +0.150 | 44.0 | 52.0 | 40.0 | 2.00 | Q2FM-4044-40 |
| 45.0 | | 50.0 | 58.0 | 50.0 | 2.00 | Q2FM-4550-50 |
| 50.0 | | 55.0 | 63.0 | 10.0 | 2.00 | Q2FM-5055-10 |
| 50.0 | | 55.0 | 63.0 | 50.0 | 2.00 | Q2FM-5055-50 |
| 60.0 | +0.060 | 65.0 | 73.0 | 60.0 | 2.00 | Q2FM-6065-60 |
| 80.0 | +0.180 | 85.0 | 93.0 | 100.0 | 2.50 | Q2FM-8085-100 |
| 100.0 | +0.072 +0.212 | 105.0 | 125.0 | 90.0 | 2.50 | Q2FM-100105125-90 |
| 120.0 | +0.085 +0.245 | 125.0 | 145.0 | 90.0 | 2.50 | Q2FM-120125145-90 |

[3] After press-fit. *Testing methods, page 57*




# Cost-effective heavy-duty bearing

## Robust and dimensionally stable iglidur® Q2E

**When to use it?**

- When a wear-resistant plain bearing at loads up to 130MPa is required
- When a robust and dirt-resistant plain bearing is required
- When a plain bearing with dimensional stability is required.

**When not to use?**

- When a plain bearing with the highest possible media resistance is required
  ***iglidur® X***
- With high rotational speeds
  ***iglidur® J, iglidur® L250***
- When a universal standard plain bearing for occasional movements is required
  ***iglidur® G***