

Solid sliding bearings

- ✓ bronze bearings with and without graphite
- ✓ steel and steel/manganese bearings
- ✓ maintenance-free steel bearings
- ✓ sintered bronze bearings with dry-graphite
- ✓ high temperature bearings up to 650 °C

Plastic sliding bearings

- ✓ injection molding plastics
- ✓ extrusion plastics
- ✓ Fibre-reinforced composite bearings

Spherical plain bearings and rod ends

- ✓ common standard sizes
- ✓ customized special solutions

Sliding pads and sliding support bearings

- ✓ free, guided and fixed versions
- ✓ temperature-isolated versions

In case you can't find the right product, we will develop a customized solution according to your conditions.



<http://shop.glt-bearings.de>

All our products can be ordered...

- ✓ **faster**
- ✓ **easier**
- ✓ **directly**

... from our stock.

Keep it a try!



Directly available

Standard products

Sliding bearings, Sliding support bearing,
Spherical plain bearings & Rod ends

wrapped maintenance-free sliding bushings

- ✓ Metal-polymer sliding bushings
- ✓ Bronze sliding bushings with graphite
- ✓ Bi-metal sliding bushings with graphite

wrapped maintenance-bound sliding bushings

- ✓ POM-coated sliding bushings
- ✓ Bronze sliding bushings
- ✓ Bi-metal sliding bushings

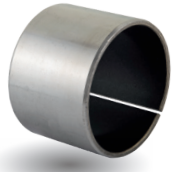
Sintered sliding bushings

- ✓ Sintered bronze sliding bushings
- ✓ Sintered iron sliding bushings
- ✓ Sintered components

Our service includes:

- ✓ consultation for the the right product choice
- ✓ customized storage solutions
- ✓ support for your material handling (Kanban, customized packaging etc.)





TEF - MET® wrapped sliding bearing

Material

Steel/PTFE

Static load

≤ 250 N/mm²

Dynamic load

≤ 140 N/mm²

Sliding speed

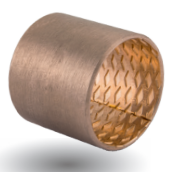
< 2,5 m/s

Friction coefficient

0,02 - 0,18

Temperature

-200 - +280°C



BRO - MET® Wrapped bronze sliding bearings

Material

Bronze (CuSn8P)

Static load

≤ 120 N/mm²

Dynamic load

≤ 40 N/mm²

Sliding speed

≤ 2,5 m/s

Friction coefficient

0,05 - 0,12

Temperature

-40 - +250°C



LUB - MET® Solid bronze sliding bearings

Material

CuZn25Al5 + SL1 plugs

Static load

≤ 150 N/mm²

Dynamic load

≤ 100 N/mm²

Sliding speed

≤ 1,0 m/s

Friction coefficient

0,03 - 0,20

Temperature

-100 - +300°C



FER - MAS® Solid steel bearing

Material

Steel

Static load

≤ 250 N/mm²

Dynamic load

≤ 150 N/mm²

Sliding speed

≤ 0,6 m/s

Friction coefficient

0,05 - 0,25

Temperature

-100 - +250°C



TEF - MET®/P Wrapped sliding bearings

Material

Steel/Special-PTFE

Static load

≤ 250 N/mm²

Dynamic load

≤ 140 N/mm²

Sliding speed

< 2,5 m/s

Friction coefficient

0,02 - 0,18

Temperature

-200 - +280°C



BRO - MET®/L Wrapped sliding bearings

Material

Bronze (CuSn8P)

Static load

≤ 120 N/mm²

Dynamic load

≤ 40 N/mm²

Sliding speed

≤ 2,5 m/s

Friction coefficient

0,05 - 0,20

Temperature

-40 - +250°C



BRO - MAS® Solid bronze sliding bearings

Material

CuZn25Al5 (base alloy)

Static load

≤ 200 N/mm²

Dynamic load

≤ 150 N/mm²

Sliding speed

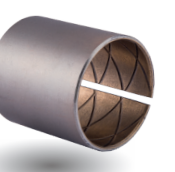
≤ 10,0 m/s

Friction coefficient

0,09 - 0,15

Temperature

-40 - +300°C



GAP - MET®/S Wrapped sliding bearings

Material

Steel/graphite bronze

Static load

≤ 260 N/mm²

Dynamic load

≤ 80 N/mm²

Sliding speed

< 0,5 m/s

Friction coefficient

0,10 - 0,20

Temperature

-150 - +280°C



TEF - MET®/B Wrapped sliding bearings

Material

Bronze/PTFE

Static load

≤ 200 N/mm²

Dynamic load

≤ 140 N/mm²

Sliding speed

< 2,5 m/s

Friction coefficient

0,02 - 0,18

Temperature

-200 - +280°C



BRO - MET®/LD Wrapped sliding bearings

Material

Bronze with seal

Static load

≤ 120 N/mm²

Dynamic load

≤ 40 N/mm²

Sliding speed

≤ 2,5 m/s

Friction coefficient

0,05 - 0,20

Temperature

-40 - +150°C



FER - MET® Tension bushing

Material

55Si7/CK67

Static load

≤ 350 N/mm²

Dynamic load

≤ 200 N/mm²

Sliding speed

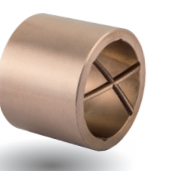
≤ 1,1 m/s

Friction coefficient

0,5 - 0,6

Temperature

-200 - +350°C



GAP - MET®/M Solid sintered bronze bearing

Material

Sintered bronze

Static load

≤ 250 N/mm²

Dynamic load

≤ 130 N/mm²

Sliding speed

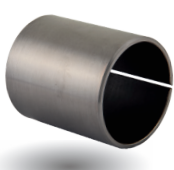
< 0,4 m/s

Friction coefficient

0,10 - 0,20

Temperature

-50 - +350°C



NOX - MET® Wrapped sliding bearings

Material

Stainless steel/PTFE

Static load

≤ 250 N/mm²

Dynamic load

≤ 140 N/mm²

Sliding speed

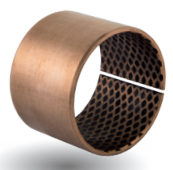
≤ 2,0 m/s

Friction coefficient

0,02 - 0,18

Temperature

-200 - +280°C



BRO-LUB® Wrapped bronze sliding bearings

Material

Bronze (CuSn8P)

Static load

≤ 120 N/mm²

Dynamic load

≤ 40 N/mm²

Sliding speed

≤ 2,5 m/s

Friction coefficient

0,03 - 0,25

Temperature

-100 - +200°C



COM - KU®/X Solid plastic sliding bearings

Material

Thermoplastic sliding material

Static load

≤ 75 N/mm²

Dynamic load

≤ 25 N/mm²

Sliding speed

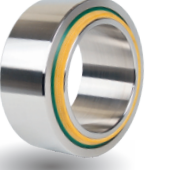
≤ 1,7 m/s

Friction coefficient

0,08 - 0,18

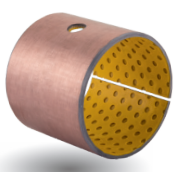
Temperature

-150 - +70°C



Sperical plain bearings

Maintenance-free and maintenance-bound spherical plain bearings produced according to ISO-12240, made from bearing-steel or stainless steel. Customized solutions for special applications or heavy loads made from COM-KU®/D, LUB-MET® or GAP-MET®/M are also available.



POM - MET® Wrapped sliding bearings

Material

Steel/POM

Static load

≤ 250 N/mm²

Dynamic load

≤ 140 N/mm²

Sliding speed

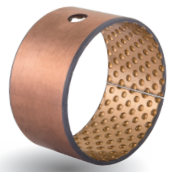
≤ 2,5 m/s

Friction coefficient

0,04 - 0,12

Temperature

-40 - +130°C



BIV - MET® Wrapped bi-metal sliding bearings

Material

Steel/Bronze

Static load

≤ 250 N/mm²

Dynamic load

≤ 140 N/mm²

Sliding speed

≤ 2,5 m/s

Friction coefficient

0,04 - 0,12

Temperature

-40 - +250°C



COM - KU®/M Composite sliding bearing

Material

Fibre reinforced compound material

Static load

≤ 240 N/mm²

Dynamic load

≤ 140 N/mm²

Sliding speed

≤ 0,2 m/s

Friction coefficient

0,03 - 0,12

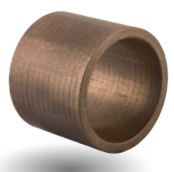
Temperature

-100 - +130°C



Rod ends

Our rod ends are produced according to ISO-standard and in different versions available. We can deliver maintenance-free or maintenance-bound, with or without seals, for screwing, welding or clamp, for hydraulic or every other machine or industrial engineering areas.



SIB - MET® Sintered sliding bearings

Material

CuSn10 (SINT B50)

Static load

≤ 50 N/mm²

Dynamic load

≤ 5 N/mm²

Sliding speed

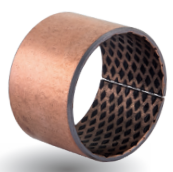
≤ 6,0 m/s

Friction coefficient

0,05 - 0,20

Temperature

-20 - +100°C



BIV - LUB® Wrapped sliding bearings

Material

Steel/Bronze

Static load

≤ 200 N/mm²

Dynamic load

≤ 75 N/mm²

Sliding speed

≤ 0,4 m/s

Friction coefficient

0,08 - 0,22

Temperature

-100 - +200°C



COM - KU®/D Composite sliding bearings

Material

Fibre reinforced compound material

Compressive strength

≤ 350 N/mm²

Static load

≤ 130 N/mm²

Dynamic load

≤ 100 N/mm²

Sliding speed

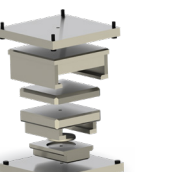
≤ 2 m/s

Friction coefficient

0,01 - 0,12

Temperature

-50 - +150°C



Sliding support bearing/Pipe bearings / POD bearings

We can deliver different version of our sliding plates and sliding support bearings directly from our stock. Additional to this service we can develop customized solutions, equal if the design is flat or a calotte, with limited movement, or used in areas with high temperatures up to 500°C.