

Extremely wear-resistant, robust in challenging environments and lightweight

Lubrication-free shaft guides – drylin® R


drylin® R shaft guides are based on extremely wear-resistant polymers specially developed for the linear technology. The dimensions are compatible with standard ball bearings. The special geometry guarantees reliability even in extreme environments.


- 100% lubrication-free
- Dimensionally interchangeable with standard recirculating ball bearings
- Large variety of choice in housing shapes
- Shafts, shaft end blocks and accessories available from stock
- Replaceable liners
- Stainless steel housings available

Typical application areas


- Agricultural machinery
- Automotive
- Medical technology
- Facade construction
- Packaging industry


 **Available from stock**
Detailed information about delivery time online.

 **Price breaks online**
No minimum order value. No minimum order quantity.

 **Max. +200°C**
Min. -40°C

 **Up to Ø 60mm**
More dimensions upon request.

 **Imperial dimensions available**
▶ **From page 1612**

 **Service life calculation**
▶ **www.igus-asean.com/drylin-expert**

 **ESD-compatible**
(electrostatic discharge)



Hard-anodised aluminium shafts guarantee optimum running properties

Shafts made from steel, stainless steel or carbon fibre

Shafts and supported shafts available

Linear adapter made from solid plastic or aluminium

Complete housing made from anodised aluminium

drylin® liners made from five different lubrication-free iglidur® high-performance polymers

Hard-anodised aluminium tubes – lightweight

 **Clean-Room**
Cleanroom certified
IPA Fraunhofer

 **Free from toxins**
2011/65/EU (RoHS)

Dimensions correspond to standard for recirculating ball bearings



Liners and press-fit bearings

- Made from iglidur® high-performance polymers
 - Easy to fit
 - Unaffected by dirt and dust
 - Low coefficient of friction, optimised wear quality
- ▶ **Page 1080**



Closed pillow blocks

- Pre-assembled linear housing with drylin® liners
 - Material: Anodised aluminium
 - Fixed and floating bearing version available
- ▶ **Page 1118**



Flanged linear plain bearings

- Pre-assembled housings with drylin® liners
 - Round or square flange
 - Tandem flange housing for additional stability
- ▶ **Page 1130**



Linear plain bearings

- Dimensionally interchangeable with standard recirculating ball bearings
 - Extremely lightweight solid plastic bearing
 - Aluminium and stainless steel adapters equipped with iglidur® liners
- ▶ **Page 1102**



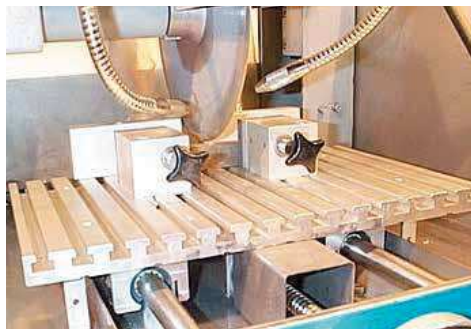
Linear bearings and pillow blocks, open design

- For supported shafts
 - Round or with housing
 - Clearance adjustment (optional)
- ▶ **Page 1125**



Quad block

- Closed and open design
 - Torque-resistant quad block housing with four linear adapters
 - Also available as tandem housing
- ▶ **Page 1138**



drylin® R linear plain bearings on supported aluminium shafts are used in this grinder to guide the cutting table. The drylin® components stand for extreme dirt resistance, accurate guidance and smooth operation.



Saw mill: linear guide with iglidur® J plastic liner for the angle stops. iglidur® J liners are best suited for most linear applications due to their low wear and low friction properties.



The machine now runs entirely free of troubles for multiple years with drylin® RJUM-01 linear bearings despite the extremely heavy – duty operation.



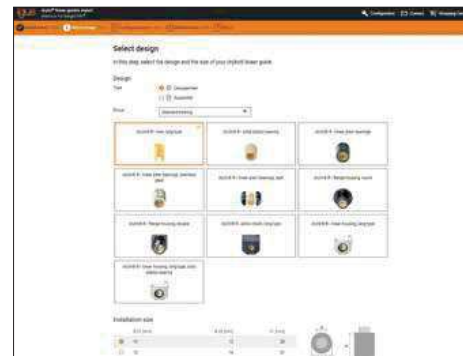
By changing over to the drylin® R linear plain bearing, the maintenance rate of this compaction unit could be extended by two years, despite high stressing from powder particles and abrasive agents.



Since the sliding bearing should be maintenance-free, precise, compact, durable and very resilient, liners were mounted directly in the passages of the machine frame.



The production line should be adjusted without setup time being required. drylin® linear guides, which enable precise and fast adjustment, were used for this.



Expert for linear guides: System selection & service life calculation with CAD

Configure linear bearings and calculate their service life – constantly expanded by new sizes and products

Easily calculate the service life of your required linear guide and configure with a few clicks. Select a drylin® system and add the relevant environmental parameters. Select the bearing size, carriage, number and position. Then enter the distance between the rails and the mounting. Define more relevant parameter of the guidance and select a rail length. The results are displayed.



► www.igus-asean.com/drylin-expert



Download the online tool app now



drylin® CAD configurator: Generate complete 3D models for drylin® linear technology according to your specifications

The igus® CAD online configurator gives you the ability to design and save your linear guide as a system, individual components directly as a 3D model in all commonly used formats, or to have these sent by e-mail – free of charge and without registration.



► www.igus-asean.com/drylin-CAD



More information about the products can be found in the igus® download area

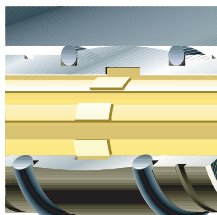
- Assembly instructions
- Assembly videos
- System design
- Catalogues



► www.igus-asean.com/downloads

drylin® R linear plain bearings

The drylin® standard round bearings consist of a interchangeable iglidur® J liner that is manufactured to be a mechanical fit into an anodised aluminium adapter. The locating spigot of the liner is carried out by a snap ring groove.



drylin® R linear plain bearings, made from solid plastic, are dimensionally equivalent to standard ball bearings. They are made entirely out of wear-resistant iglidur® J material and can offer technical advantages in addition to the clear price advantage. Thus, applications in which machine parts are primarily stainless steel, e.g. food and filling equipment, are well suited for the use of solid plastic bearings. An additional weight-saving is also easily obtained.

Both versions are designed for the installation in housing holes with the tolerance H7. The mounting is done like in ball bearings with circlips according to DIN 471/472.

The narrow design of the O2 series linear plain bearings, is clipped into the H7 housing hole. Standard commercial 2-component adhesives can be used for this purpose.

Dirt, dust, fibres

An important feature of all the available linear bearings is their tolerance of dirt. For most systems the application of wipers or seals is recommended for even low dirt accumulation. No other system features such a high safety with dust, lint and coarse dirt as drylin®. The patented design of the bearing surface using individual slide pads connected by thin film sections, provides performance benefits for dirty environments. Dirt, even when it becomes wet on the shaft, is wiped away by the individual glide pads and is moved into the open areas. The running sections of the drylin® bearing then slide on the shaft that has been cleared of all contaminants.

Split linear bearings

Applications that are on the edge of technical feasibility or in extremely harsh environments often require frequent replacement of the bearings. In many cases, drylin® can give a multiple increase in the service life. However, in extreme applications, replacement of the bearings is necessary, even with drylin®. drylin® linear plain bearings can provide considerable cost reductions in such cases as only the polymer bearing liner has to be replaced. This often means a reduction of more than 90% in replacement part costs. In addition the dismantling of the shafts is avoided.



	The all-rounder – iglidur® J	The specialist – iglidur® J200	The extreme – iglidur® X	The endurance runner – iglidur® E7	The FDA-compliant – iglidur® A180	Blue Sky Thinking FDA/EU-compliant iglidur® A160
Application temperature	from -50°C to +90°C	from -50°C to +90°C	from -100°C to +250°C	from -50°C to +70°C	from -50°C to +90°C	from -50°C to +90°C
Best coefficient of friction with	Steel shaft	Hard-anodised aluminium	Hard-chromed steel	Steel/stainless steel shaft	Stainless steel shaft	Hardened stainless steel shafts
Volume resistance	> 10 ¹³ Ωcm	> 10 ⁸ Ωcm	< 10 ⁹ Ωcm	> 10 ⁹ Ωcm	> 10 ¹² Ωcm	> 10 ¹² Ωcm
Moisture absorption	1.3% weight	0.7% weight	0.5% weight	< 0.1% weight	0.2% weight	< 0.1% weight
Maximum service life with	Hard-anodised aluminium	Hard-anodised aluminium	Hardened stainless steel	Steel/stainless steel shaft	Stainless steel shaft	Hardened stainless steel shafts
Potential counter partner	All shaft materials	Hard-anodised aluminium	Hardened stainless steel	Steel/stainless steel shaft	All shaft materials	Stainless steel
Permissible stat. surface pressure	35MPa	23MPa	150MPa	18MPa	28MPa	15MPa
Part No.	JUM-...	J200UM-...	XUM-...	E7UM-...	A180UM-...	A160UM-...

The split bearings are easily pulled off the housing and opened. The slotted liner can be simply mounted on the shaft. Clip a new bearing liner over the shaft, put the two housing halves together, install – done! With this product range of split drylin® bearings, installation times can be reduced to a minimum.

Series L1 – low-clearance press-fit bearings

The series L1 plain bearings are composed of the iglidur® L100 bearing material, an extremely wear-resistant plastic compound. They are sub-divided into a press-fit area and a gliding range. The gliding range is composed of individual crossbars which are linked to each other by thin film bridges. These film bridges compensate the elongation of the bearing through heating or moisture. This separation enables the almost clearance-free design of the bearings, as there is no clamping of the shaft. The cylinder-shaped press-fit area is also visually very distinct from the gliding range. The function of this area, which shows a distinct clearance compared to the shaft, is to fix the bushing firmly in the housing by means of a press fit.



- Material properties:**
 iglidur® J ▶ Page 159
 iglidur® J200 ▶ Page 261
 iglidur® X ▶ Page 279
 iglidur® E7 ▶ Page 267
 iglidur® A160 ▶ Page 419
 iglidur® A180 ▶ Page 401
 iglidur® L100 ▶ Page 1654



Compressive strength

igidur® plain bearings are homogeneously filled with solid lubricants. In this way, lubricants cannot be removed, even at high loads. The iglidur® L100 material allows an average static surface pressure of 70MPa. However, only half of the load-bearing surface can carry loads and this is taken into account in the calculation.

Surface speeds

The following table shows possible surface speeds of L1 bearings.

- Extremely high wear resistance
- Low coefficient of friction
- Vibration-dampening
- High static compressive strength
- Good chemical resistance
- Resistant to dirt
- Also suitable for soft and rough shafts

igidur® L100	Rotating	Oscillating	Linear
	Continuous [m/s]	1.5	1.5
Short-term [m/s]	3	3	10

Table 02: Maximum surface speed for iglidur® L100

Coefficient of friction

Plain bearings of the L1 series are designed for dry operation against steel. The best results are attained with surface finishes from 0.3 to 0.8 Ra. The coefficient of sliding friction reduces with increasing load. Typical coefficient of friction in dry operation are 0.2 to 0.3. But the value can be higher with less suitable shafts.

Operating temperatures

Temperatures affect the compressive strength, the wear and the securing of the bearing in the housing. A firm fit could be determined in all the tests up to a temperature of +70°C. At higher temperatures, an additional securing of the bearing is recommended. With effective securing, L1 plain bearings could also be used at temperatures over +130°C.

igidur® L100	Application temperatures
Minimum	-30°C
Max. long-term	+100°C
Maximum, short-term	+190°C

Table 03: Temperature limits for iglidur® L100

Floating bearings for linear plain bearings

drylin® O3 series linear plain bearings offer great advantages in applications with parallel shafts. With their geometry, they are able to compensate for alignment and parallelism errors and should be used on the shaft located furthest from the drive mechanism. The design provides a spherical area on the outside diameter of the aluminium adapter for self-alignment. Reductions in load capacity are prevented, since the shaft always lies on the total projected surface. Due to the even load distribution over the entire bearing, edge pressure is not possible with the self-aligning drylin® linear bearings. In order to compensate parallelism errors between two shafts, the outer diameter is designed to be smaller than the housing hole diameter by 0.2 to 0.3mm (depending on the size). With the use of mounted O-rings, these bearings have an elastic bearing seat. The clearance between the bearing and housing allows for the maximum compensation of possible shaft miss-alignment.

The drylin® R self-aligning bearings are supplied hard-anodised. These surfaces guarantee the highest wear resistance if the aluminium bearing moves in the housing during compensation adjustments. Another option are the pillow blocks in the OJUM-06 LL and RJUM-06 LL design series. The mounting of the bearing allows a parallelism adjustment between the shafts by ±3mm. The particular suspension of the supporting housing on an axis running in the z-direction enables an angular error compensation of up to 3.5°.

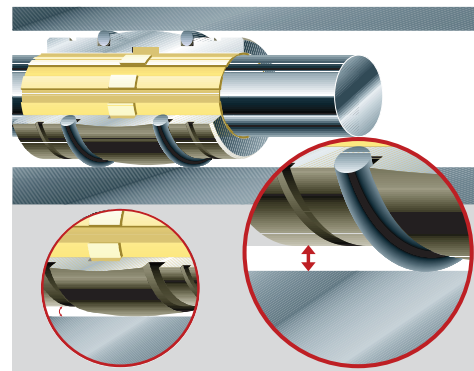


Diagram 02: By defined installation clearance and externally mounted O-rings, the self-aligning drylin® R bearings of the type series 03 can compensate parallelism errors. The spherical drylin® adapter can compensate for parallelism errors. A hard-anodisation protects the aluminium adapter from wear.

Eccentric forces

To ensure successful use of maintenance-free drylin® linear bearings, it is necessary to follow certain recommendations: if the distance between the driving force point and the fixed bearings is more than twice the bearing spacing (2:1 rule), a static friction value of 0.25 can theoretically result in jamming on the guides.

This principle applies regardless of the value of the load or drive force. The friction product is always related to the fixed bearings. The greater the distance between the drive and guide bearings, the higher the degree of wear and required drive force.

Failure to observe the 2:1 rule during a use of linear plain bearings can result in uneven motion or even system blockage. Such situations can often be remedied with relatively simple modifications. If you have any questions on design and/or assembly, please make use of our technical support.

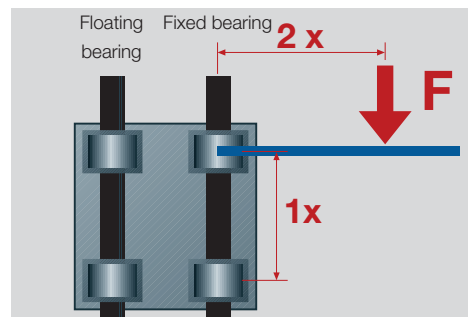


Figure 03: The 2:1 rule



RJUM-06-LL
▶ Page 1124

OJUM-06-LL
▶ Page 1125

RJUM-03/OJUM-03 series	±0.5°
RJUM-06-LL/OJUM-06-LL series	±3.5°

Table 04: Compensation of misalignment errors

RJUM-03/OJUM-03 series	±0.1mm
RJUM-06-LL/OJUM-06-LL series	±3.0mm

Table 05: Compensation of parallelism errors

drylin® R shaft guides are designed for completely lubrication-free operation. The dimensions of the respective linear adapter and housing meet the standard for recirculating ball bearings. During assembly, please note the following installation instructions:

Design tips for drylin® linear plain bearings:

The mentioned values for "F_{max}." relate to the performance of the iglidur® liners made from high-performance plastics and cannot be used as the only selection tool for the calculation of an application. The maximum carrying capacity of the entire bearing system depends on the geometry, housing shape, the housing material, the connection including the screws used and requires a separate inspection. For a detailed analysis, please use our online configurator at

▶ www.igus-asean.com/drylin-expert

Recommended tolerance for the shaft: h6-h10

Surface roughness [Ra]: 0.15-0.6

Guide shafts round/supported ▶ [Shafts page 1149](#)

Recommended housing hole H7

Linear plain bearings RJUM-01/03, TJUM-01/03, RJM, RJMP, RJ260(U)M02, press-fit bearings WLM, WLFM



Liners:
_UM-01, _UMO-01, _UM-11, _UMO-11, _UM-02
● Interlocking with the housing bore ● Locating spigot is supported by a snap ring groove ● Anti-rotation feature through engagement of the pin in hole Ø z



Press-fit bearings:
WLM, WLFM
● Press-fit installation into the H7 housing hole
▶ Assembly instructions, page 57



Linear plain bearings:
RJUM-01, RJUM-11, RJUM-ES, TJUM-01, RJUM-03, TJUM-03, RJUI-01, RJUI-03, TJUI-01, TJUI-03
● Secured by DIN 471 or 472 circlips, metric types (not included)



Solid plastic bearings:
RJM, RJI-01
● Fastening with circlips according to DIN 471 or 472 (not included) ● The E9 inner tolerance applies only after the press-fit



Solid plastic bearings:
RJMP
● Easy assembly by soft press-fit
● Secured by DIN 471 or 472 circlips (not included)



Linear plain bearings:
RJUM-02
● Secured by press-fit in steel housing hole H7 or aluminium housing hole K7
● Alternatively, the adapter can be glued with commercially available 2-component adhesive into a housing



Compact bearings:
RJ260 (UM-02)
● Locating spigot and press-fit into housing hole H7 ● Alternatively, the adapter can be glued with commercially available 2-component adhesive into a housing



Linear plain bearings:
OJUM-01, OJUM-03, OJUI-01, OJUI-03
● Adapter secured with setscrews (not included)



Quad blocks: RQA, RGA
Tandem design: RTA
● The bearing in the housing is secured by DIN 472 circlips



Linear housings:
RGAS
● The bearing in the housing is secured by DIN 471 circlips



Quad blocks: OQA, OGA,
Linear housings: OGAS,
Tandem design: OTA
● The bearings is secured by screws

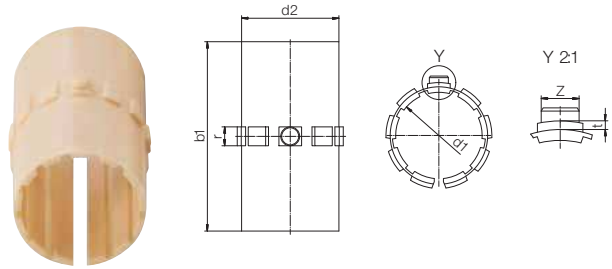


Pillow blocks: RJUM/E/T-05,
RJUM-06/-LL, OJUM/E-06/-LL, Flange housings: FJUM/T-01/02
quad blocks: RGA, OGA
Tandem designs: RTA, OTA
Linear bearings: RGAS, OGAS
● Mounting screws of the housing DIN 912-8.8 ● Circlips according to DIN 7980

drylin® R liners | Product range

Long, closed design for shafts –
made from iglidur® J (the all-rounder)

Order key



Type	Size
igidur® J	
Liner	
Metric	
Standard	
Inner Ø d1	

The all-rounder for all shaft surfaces
in indoor and outdoor applications

⁷⁸⁾ According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
 Min. -50°C
Max. +90°C

Dimensions [mm]

d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.030 +0.070	12	28	3.0	0.8	2.5	1.10	JUM-01-10
12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.50	JUM-01-12
16	+0.030 +0.070	18	35	3.5	0.8	3.5	2.20	JUM-01-16
20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.90	JUM-01-20
25	+0.030 +0.070	28	57	5.0	0.8	4.0	8.23	JUM-01-25
30	+0.040 +0.085	34	67	5.0	0.8	4.0	14.95	JUM-01-30
35	+0.040 +0.085	39	69	5.0	0.8	4.0	18.20	JUM-01-35
40	+0.040 +0.085	44	79	6.0	1.3	5.0	23.16	JUM-01-40
50	+0.050 +0.150	55	99	7.0	1.3	6.0	45.35	JUM-01-50
60	+0.050 +0.150	65	124	8.0	2.0	6.5	70.00	JUM-01-60 ⁷⁹⁾

Housing hole for JUM-01 | Dimensions [mm]

Shaft Ø	di H7	B h10	r +0.05	t +0.1	f +0.5	Z +0.2	Part No.
10	12	29	3.0	1.0	1.0	2.6	JUM-01-10
12	14	32	3.0	1.0	1.5	3.1	JUM-01-12
16	18	36	3.5	1.0	1.7	3.6	JUM-01-16
20	23	45	5.0	1.0	2.0	3.6	JUM-01-20
25	28	58	5.0	1.0	2.0	4.1	JUM-01-25
30	34	68	5.0	1.0	2.0	4.1	JUM-01-30
35	39	70	5.0	1.0	2.0	4.1	JUM-01-35
40	44	80	6.0	1.5	2.5	5.1	JUM-01-40
50	55	100	7.0	1.5	2.5	6.1	JUM-01-50
60	65	125	8.0	2.5	3.0	6.5	JUM-01-60 ⁷⁹⁾

⁷⁹⁾ in two parts

Can be combined with:

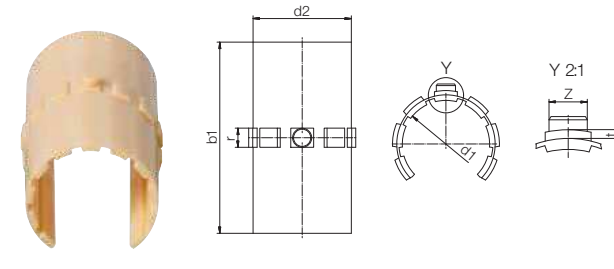


Imperial dimensions
▶ Page 1612

drylin® R liners | Product range

Long, open design for supported shafts –
made from iglidur® J (the all-rounder)

Order key



Type	Size
igidur® J	
Liner	
Metric	
Open	
Standard	
Inner Ø d1	

The all-rounder for all shaft surfaces
in indoor and outdoor applications

⁷⁸⁾ According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
 Min. -50°C
Max. +90°C

Dimensions [mm]

d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.030 +0.070	12	28	3.0	0.8	2.5	0.90	JUMO-01-10
12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.16	JUMO-01-12
16	+0.030 +0.070	18	35	3.5	0.8	3.5	1.71	JUMO-01-16
20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.16	JUMO-01-20
25	+0.030 +0.070	28	57	5.0	0.8	4.0	6.97	JUMO-01-25
30	+0.040 +0.085	34	67	5.0	0.8	4.0	12.38	JUMO-01-30
40	+0.040 +0.085	44	79	6.0	1.3	5.0	20.18	JUMO-01-40
50	+0.050 +0.150	55	99	7.0	1.3	6.0	38.60	JUMO-01-50
60	+0.050 +0.150	65	124	8.0	2.0	6.5	60.10	JUMO-01-60 ⁷⁹⁾

Housing hole for JUMO-01 | Dimensions [mm]

Shaft Ø	di H7	B h10	W	r +0.5	t +0.05	f +0.1	Z +0.2	Part No.
10	12	29	7.3	3.0	1.0	1.0	2.6	JUMO-01-10
12	14	32	9.0	3.0	1.0	1.5	3.1	JUMO-01-12
16	18	36	11.6	3.5	1.0	1.7	3.6	JUMO-01-16
20	23	45	12.0	5.0	1.0	2.0	3.6	JUMO-01-20
25	28	58	14.5	5.0	1.0	2.0	4.1	JUMO-01-25
30	34	68	16.6	5.0	1.0	2.0	4.1	JUMO-01-30
40	44	80	21.0	6.0	1.5	2.5	5.1	JUMO-01-40
50	55	100	25.5	7.0	1.5	2.5	6.1	JUMO-01-50
60	65	125	27.2	8.0	2.5	3.0	6.5	JUMO-01-60 ⁷⁹⁾

⁷⁹⁾ in two parts


Can be combined with:



Imperial dimensions
▶ Page 1612

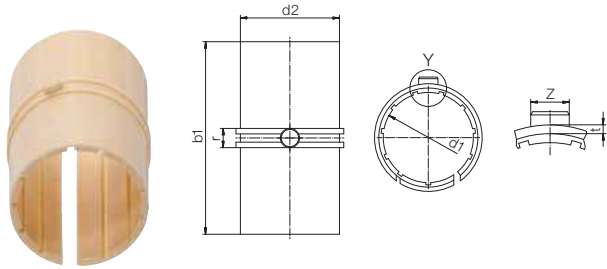
drylin® R liners | Product range

Long, closed design, precise for shafts – made from iglidur® J (the all-rounder)



 Order key

Type	Size
iglidur® J	
Liner	
Metric	
Precise	
Inner Ø d1	

J U M-11-10



- Max. bearing clearance reduced by 50%
- Increased contact surface: longer service life

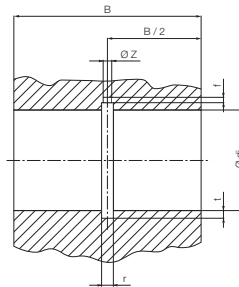
 ⁷⁸⁾ According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
 Min. -50°C
Max. +90°C

Dimensions [mm]

d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.000 +0.040	12	28	3.0	0.8	2.5	1.23	JUM-11-10
12	+0.000 +0.040	14	31	3.0	0.8	3.0	1.65	JUM-11-12
16	+0.000 +0.040	18	35	3.5	0.8	3.5	2.42	JUM-11-16
20	+0.000 +0.040	23	44	5.0	0.8	3.5	5.49	JUM-11-20
25	+0.000 +0.040	28	57	5.0	0.8	4.0	8.86	JUM-11-25
30	+0.000 +0.050	34	67	5.0	0.8	4.0	16.63	JUM-11-30
40	+0.000 +0.050	44	79	6.0	1.3	5.0	26.06	JUM-11-40
50	+0.000 +0.060	55	99	7.0	1.3	6.0	48.82	JUM-11-50

Housing hole for JUM-11 | Dimensions [mm]

Shaft Ø	di H7	B h10	r +0.05	t +0.1	f +0.5	Z +0.2	Part No.
10	12	29	3.0	1.0	1.0	2.6	JUM-11-10
12	14	32	3.0	1.0	1.5	3.1	JUM-11-12
16	18	36	3.5	1.0	1.7	3.6	JUM-11-16
20	23	45	5.0	1.0	2.0	3.6	JUM-11-20
25	28	58	5.0	1.0	2.0	4.1	JUM-11-25
30	34	68	5.0	1.0	2.0	4.1	JUM-11-30
40	44	80	6.0	1.5	2.5	5.1	JUM-11-40
50	55	100	7.0	1.5	2.5	6.1	JUM-11-50



Can be combined with:



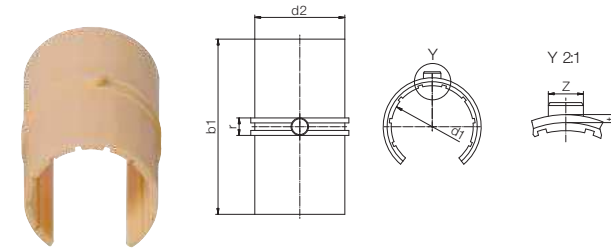
drylin® R liners | Product range

Long, open design, precise for supported shafts – made from iglidur® J (the all-rounder)



 Order key

Type	Size
iglidur® J	
Liner	
Metric	
Open	
Precise	
Inner Ø d1	

J U M O-11-10



- Max. bearing clearance reduced by 50%
- Increased contact surface: longer service life

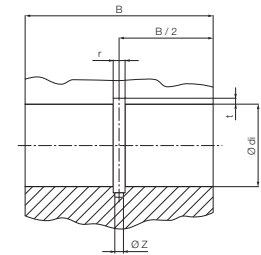
 ⁷⁸⁾ According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
 Min. -50°C
Max. +90°C

Dimensions [mm]

d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.000 +0.040	12	28	3.0	0.8	2.5	1.10	JUMO-11-10
12	+0.000 +0.040	14	31	3.0	0.8	3.0	1.50	JUMO-11-12
16	+0.000 +0.040	18	35	3.5	0.8	3.5	2.20	JUMO-11-16
20	+0.000 +0.040	23	44	5.0	0.8	3.5	4.90	JUMO-11-20
25	+0.000 +0.040	28	57	5.0	0.8	4.0	8.23	JUMO-11-25
30	+0.000 +0.050	34	67	5.0	0.8	4.0	14.95	JUMO-11-30
40	+0.000 +0.050	44	79	6.0	1.3	5.0	23.16	JUMO-11-40
50	+0.000 +0.060	55	99	7.0	1.3	6.0	45.35	JUMO-11-50

Housing hole for JUMO-11 | Dimensions [mm]

Shaft Ø	di H7	B h10	W +0.2	r +0.05	t +0.1	f +0.5	Z +0.2	Part No.
10	12	29	7.3	3.0	1.0	1.0	2.6	JUMO-11-10
12	14	32	9.0	3.0	1.0	1.5	3.1	JUMO-11-12
16	18	36	11.6	3.5	1.0	1.7	3.6	JUMO-11-16
20	23	45	12.0	5.0	1.0	2.0	3.6	JUMO-11-20
25	28	58	14.5	5.0	1.0	2.0	4.1	JUMO-11-25
30	34	68	16.6	5.0	1.0	2.0	4.1	JUMO-11-30
40	44	80	21.0	6.0	1.5	2.5	5.1	JUMO-11-40
50	55	100	25.5	7.0	1.5	2.5	6.1	JUMO-11-50



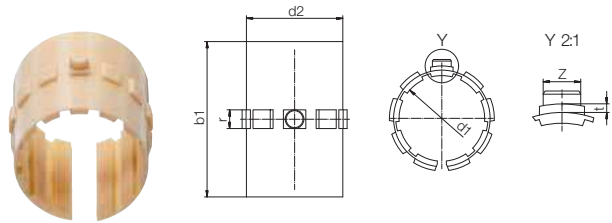
Can be combined with:



drylin® R liners | Product range



Short, closed design for shafts –
made from iglidur® J (the all-rounder)

 Order key



Type	Size
igidur® J	
Liner	
Metric	
Compact	
Inner Ø d1	

The all-rounder for all shaft surfaces
in indoor and outdoor applications

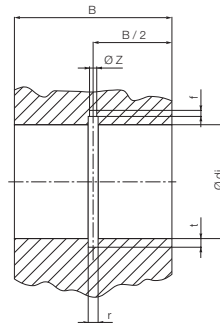
 ⁷⁸⁾ According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
 Min. -50°C
Max. +90°C

Dimensions [mm]

d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.030 +0.070	12	25	3.0	0.8	2.5	1.02	JUM-02-10
12	+0.030 +0.070	14	27	3.0	0.8	3.0	1.27	JUM-02-12
16	+0.030 +0.070	18	29	3.5	0.8	3.5	1.82	JUM-02-16
20	+0.030 +0.070	23	29	5.0	0.8	3.5	3.27	JUM-02-20
25	+0.030 +0.070	28	39	5.0	0.8	4.0	5.75	JUM-02-25
30	+0.040 +0.085	34	49	5.0	0.8	4.0	11.28	JUM-02-30
40	+0.040 +0.085	44	59	6.0	1.3	5.0	17.94	JUM-02-40
45	+0.040 +0.085	50	59	7.0	1.3	6.0	27.00	JUM-02-45
50	+0.050 +0.150	55	69	7.0	1.3	6.0	32.56	JUM-02-50

Housing hole for JUM-02 | Dimensions [mm]

Shaft Ø	d _i H7	B h10	r +0.05	t +0.1	f +0.5	Z +0.2	Part No.
10	12	26	3.0	1.0	1.0	2.6	JUM-02-10
12	14	28	3.0	1.0	1.5	3.1	JUM-02-12
16	18	30	3.5	1.0	1.7	3.6	JUM-02-16
20	23	30	5.0	1.0	2.0	3.6	JUM-02-20
25	28	40	5.0	1.0	2.0	4.1	JUM-02-25
30	34	50	5.0	1.0	2.0	4.1	JUM-02-30
40	44	60	6.0	1.5	2.5	5.1	JUM-02-40
45	50	60	7.0	1.5	2.5	6.1	JUM-02-45
50	55	70	7.0	1.5	2.5	6.1	JUM-02-50



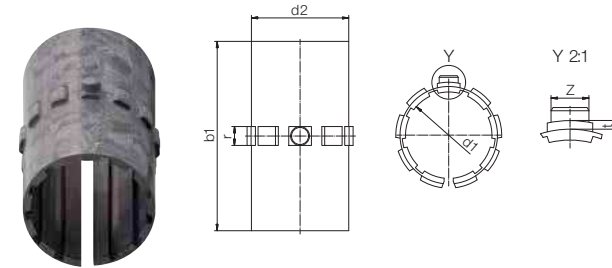
Can be combined with:



drylin® R liners | Product range



Long, closed design for shafts –
made from iglidur® J200 (the specialist)

 Order key



Type	Size
igidur® J200	
Liner	
Metric	
Standard	
Inner Ø d1	

The "specialist" with the best running performance on
aluminium

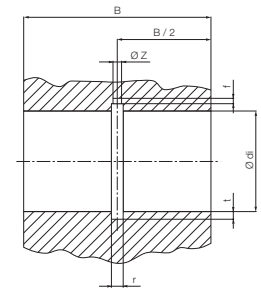
 ⁷⁸⁾ According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
 Min. -50°C
Max. +90°C

Dimensions [mm]

d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.030 +0.070	12	28	3.0	0.8	2.5	1.10	J200UM-01-10
12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.50	J200UM-01-12
16	+0.030 +0.070	18	35	3.5	0.8	3.5	2.54	J200UM-01-16
20	+0.030 +0.070	23	44	5.0	0.8	3.5	5.66	J200UM-01-20
25	+0.030 +0.070	28	57	5.0	0.8	4.0	9.51	J200UM-01-25
30	+0.040 +0.085	34	67	5.0	0.8	4.0	17.27	J200UM-01-30
40	+0.040 +0.085	44	79	6.0	1.3	5.0	26.75	J200UM-01-40
50	+0.050 +0.150	55	99	7.0	1.3	6.0	52.38	J200UM-01-50

Housing hole for J200UM-01 | Dimensions [mm]

Shaft Ø	d _i H7	B h10	r +0.05	t +0.1	f +0.5	Z +0.2	Part No.
10	12	29	3.0	1.0	1.0	2.6	J200UM-01-10
12	14	32	3.0	1.0	1.5	3.1	J200UM-01-12
16	18	36	3.5	1.0	1.7	3.6	J200UM-01-16
20	23	45	5.0	1.0	2.0	3.6	J200UM-01-20
25	28	58	5.0	1.0	2.0	4.1	J200UM-01-25
30	34	68	5.0	1.0	2.0	4.1	J200UM-01-30
40	44	80	6.0	1.5	2.5	5.1	J200UM-01-40
50	55	100	7.0	1.5	2.5	6.1	J200UM-01-50



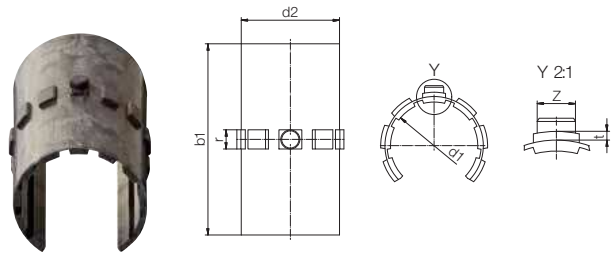
Can be combined with:



drylin® R liners | Product range



Long, open design for supported shafts –
made from iglidur® J200 (the specialist)

 Order key



Type	Size
J200 U M O-01-10	
iglidur® J200	
Liner	
Metric	
Open	
Standard	
Inner Ø d1	

The "specialist" with the best running performance on
aluminium

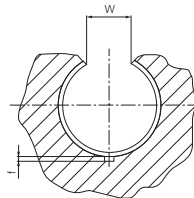
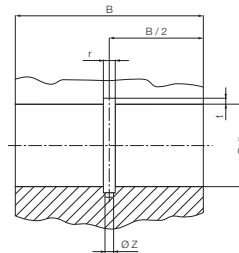
 ⁷⁸⁾ According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
 Min. -50°C
Max. +90°C

Dimensions [mm]

d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.030 +0.070	12	28	3.0	0.8	2.5	1.04	J200UMO-01-10
12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.34	J200UMO-01-12
16	+0.030 +0.070	18	35	3.5	0.8	3.5	1.98	J200UMO-01-16
20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.80	J200UMO-01-20
25	+0.030 +0.070	28	57	5.0	0.8	4.0	8.05	J200UMO-01-25
30	+0.040 +0.085	34	67	5.0	0.8	4.0	14.30	J200UMO-01-30
40	+0.040 +0.085	44	79	6.0	1.3	5.0	23.31	J200UMO-01-40

Housing hole for J200UMO-01 | Dimensions [mm]

Shaft Ø	d _i H7	B h10	W	r +0.5	t +0.05	f +0.1	Z +0.2	Part No.
10	12	29	7.3	3.0	1.0	1.0	2.6	J200UMO-01-10
12	14	32	9.0	3.0	1.0	1.5	3.1	J200UMO-01-12
16	18	36	11.6	3.5	1.0	1.7	3.6	J200UMO-01-16
20	23	45	12.0	5.0	1.0	2.0	3.6	J200UMO-01-20
25	28	58	14.5	5.0	1.0	2.0	4.1	J200UMO-01-25
30	34	68	16.6	5.0	1.0	2.0	4.1	J200UMO-01-30
40	44	80	21.0	6.0	1.5	2.5	5.1	J200UMO-01-40



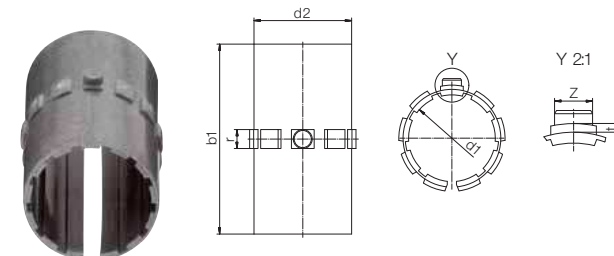
Can be combined with:



drylin® R liners | Product range



Long, closed design for shafts –
made from iglidur® E7 (the endurance runner)

 Order key



Type	Size
E7 U M-01-10	
iglidur® E7	
Liner	
Metric	
Standard	
Inner Ø d1	

The "endurance runner" up to 8 times longer service
life on steel shafts

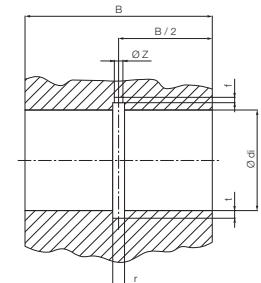
 ⁷⁸⁾ According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
 Min. -50°C
Max. +70°C

Dimensions [mm]

d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.030 +0.070	12	28	3.0	0.8	2.5	0.73	E7UM-01-10
12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.01	E7UM-01-12
16	+0.030 +0.070	18	35	3.5	0.8	3.5	1.45	E7UM-01-16
20	+0.030 +0.070	23	44	5.0	0.8	3.5	3.25	E7UM-01-20
25	+0.030 +0.070	28	57	5.0	0.8	4.0	5.44	E7UM-01-25
30	+0.040 +0.085	34	67	5.0	0.8	4.0	9.88	E7UM-01-30
40	+0.040 +0.085	44	79	6.0	1.3	5.0	17.30	E7UM-01-40
50	+0.050 +0.150	55	99	7.0	1.3	6.0	36.30	E7UM-01-50⁷⁹⁾
60	+0.050 +0.150	65	124	8.0	2.5	6.5	54.80	E7UM-01-60⁷⁹⁾

Housing hole for E7UM-01 | Dimensions [mm]


Shaft Ø	d _i H7	B h10	W	r +0.5	t +0.05	f +0.1	Z +0.2	Part No.
10	12	29	7.3	3.0	1.0	1.0	2.6	E7UM-01-10
12	14	32	9.0	3.0	1.0	1.5	3.1	E7UM-01-12
16	18	36	11.6	3.5	1.0	1.7	3.6	E7UM-01-16
20	23	45	12.0	5.0	1.0	2.0	3.6	E7UM-01-20
25	28	58	14.5	5.0	1.0	2.0	4.1	E7UM-01-25
30	34	68	16.6	5.0	1.0	2.0	4.1	E7UM-01-30
40	44	80	21.0	6.0	1.5	2.5	5.1	E7UM-01-40
50	55	100	25.0	7.0	1.5	2.5	6.1	E7UM-01-50⁷⁹⁾
60	65	125	30.0	8.0	2.5	3.0	6.5	E7UM-01-60⁷⁹⁾



⁷⁹⁾ in two parts


Can be combined with:

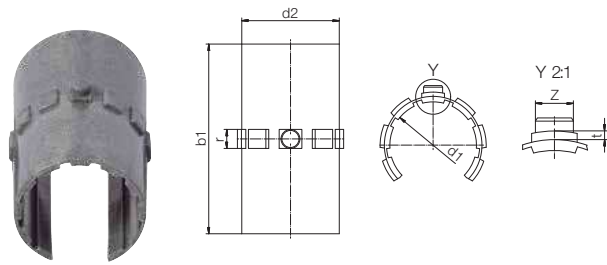


 Imperial dimensions
▶ Page 1612

drylin® R liners | Product range



Long, open design for supported shafts – made from iglidur® E7 (the endurance runner)

 Order key



Type	Size
iglidur® E7	E7 U M O-01-10
Liner	
Metric	
Open	
Standard	
Inner Ø d1	

The "endurance runner" up to 8 times longer service life on steel shafts

 ⁷⁸⁾ According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
 Min. -50°C
Max. +70°C

Dimensions [mm]

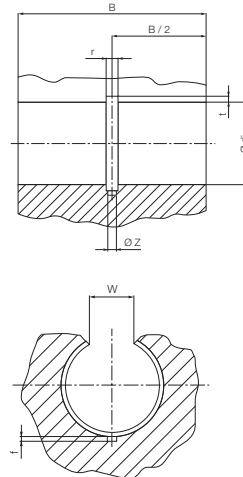
d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.030 +0.070	12	28	3.0	0.8	2.5	0.73	E7UMO-01-10
12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.01	E7UMO-01-12
16	+0.030 +0.070	18	35	3.5	0.8	3.5	1.45	E7UMO-01-16
20	+0.030 +0.070	23	44	5.0	0.8	3.5	3.25	E7UMO-01-20
25	+0.030 +0.070	28	57	5.0	0.8	4.0	5.44	E7UMO-01-25
30	+0.040 +0.085	34	67	5.0	0.8	4.0	9.88	E7UMO-01-30
40	+0.040 +0.085	44	79	6.0	1.3	5.0	17.30	E7UMO-01-40
50	+0.050 +0.150	55	99	7.0	1.3	6.0	36.40	E7UMO-01-50 ⁷⁹⁾
60	+0.050 +0.150	65	124	8.0	2.5	6.5	54.80	E7UMO-01-60 ⁷⁹⁾

Housing hole for E7UMO-01 | Dimensions [mm]

Shaft Ø	d _i H7	B h10	W	r	t	f	Z	Part No.
				+0.5	+0.05	+0.1	+0.2	
10	12	29	7.3	3.0	1.0	1.0	2.6	E7UMO-01-10
12	14	32	9.0	3.0	1.0	1.5	3.1	E7UMO-01-12
16	18	36	11.6	3.5	1.0	1.7	3.6	E7UMO-01-16
20	23	45	12.0	5.0	1.0	2.0	3.6	E7UMO-01-20
25	28	58	14.5	5.0	1.0	2.0	4.1	E7UMO-01-25
30	34	68	16.6	5.0	1.0	2.0	4.1	E7UMO-01-30
40	44	80	21.0	6.0	1.5	2.5	5.1	E7UMO-01-40
50	55	100	25.5	7.0	1.5	2.5	6.1	E7UMO-01-50 ⁷⁹⁾
60	65	125	27.2	8.0	2.5	3.0	6.5	E7UMO-01-60 ⁷⁹⁾


⁷⁹⁾ in two parts

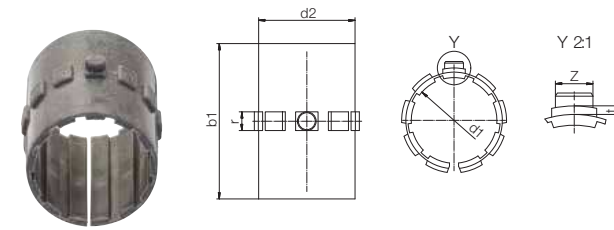
Can be combined with:



drylin® R liners | Product range



Short, closed design for shafts – made from iglidur® E7 (the endurance runner)

 Order key



Type	Size
iglidur® E7	E7 U M-02-10
Liner	
Metric	
Compact	
Inner Ø d1	

The "endurance runner" up to 8 times longer service life on steel shafts

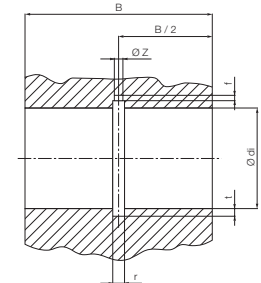
 ⁷⁸⁾ According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
 Min. -50°C
Max. +70°C

Dimensions [mm]

d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.030 +0.070	12	25	3.0	0.8	2.5	0.73	E7UM-02-10
12	+0.030 +0.070	14	27	3.0	0.8	3.0	1.01	E7UM-02-12
16	+0.030 +0.070	18	29	3.5	0.8	3.5	1.45	E7UM-02-16
20	+0.030 +0.070	23	29	5.0	0.8	3.5	3.25	E7UM-02-20
25	+0.030 +0.070	28	39	5.0	0.8	4.0	5.44	E7UM-02-25
30	+0.040 +0.085	34	49	5.0	0.8	4.0	9.88	E7UM-02-30
40	+0.040 +0.085	44	59	6.0	1.3	5.0	17.30	E7UM-02-40

Housing hole for E7UM-02 | Dimensions [mm]

Shaft Ø	d _i H7	B h10	r	t	f	Z	Part No.
			+0.05	+0.1	+0.5	+0.2	
10	12	26	3.0	1.0	1.0	2.6	E7UM-02-10
12	14	28	3.0	1.0	1.5	3.1	E7UM-02-12
16	18	30	3.5	1.0	1.7	3.6	E7UM-02-16
20	23	30	5.0	1.0	2.0	3.6	E7UM-02-20
25	28	40	5.0	1.0	2.0	4.1	E7UM-02-25
30	34	50	5.0	1.0	2.0	4.1	E7UM-02-30
40	44	60	6.0	1.5	2.5	5.1	E7UM-02-40



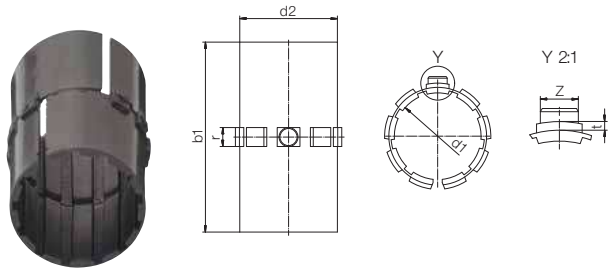
Can be combined with:



drylin® R liners | Product range



Long, closed design for shafts, two-piece – made from iglidur® X (the extreme)

 Order key



Type	Size
iglidur® X	
Liner	
Metric	
Standard	
Inner Ø d1	

The "extreme", resistant to temperature and chemicals on stainless steel and chromed shafts

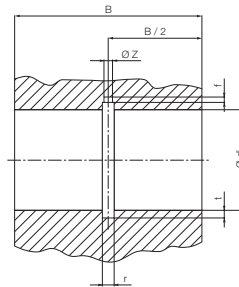
 ⁷⁸⁾ According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
 Min. -100°C
Max. +250°C

Dimensions [mm]

d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
12	+0.020 +0.060	14	31	3.0	0.8	3.0	1.50	XUM-01-12
14	+0.020 +0.060	18	35	3.5	0.8	3.5	2.13	XUM-01-14
16	+0.020 +0.060	18	35	3.5	0.8	3.5	2.20	XUM-01-16
20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.90	XUM-01-20
25	-0.030 +0.010	28	57	5.0	0.8	4.0	8.23	XUM-01-25
30	-0.040 +0.010	34	67	5.0	0.8	4.0	14.95	XUM-01-30
40	±0.000 +0.050	44	79	6.0	1.3	5.0	23.16	XUM-01-40

Housing hole for XUM-01 | Dimensions [mm]

Shaft Ø	d _i H7	B h10	r +0.05	t +0.1	f +0.5	Z +0.2	Part No.
12	14	32	3.0	1.0	1.5	3.1	XUM-01-12
14	16	30	3.5	1.0	1.7	3.6	XUM-01-14
16	18	36	3.5	1.0	1.7	3.6	XUM-01-16
20	23	45	5.0	1.0	2.0	3.6	XUM-01-20
25	28	58	5.0	1.0	2.0	4.1	XUM-01-25
30	34	68	5.0	1.0	2.0	4.1	XUM-01-30
40	44	80	6.0	1.5	2.5	5.1	XUM-01-40



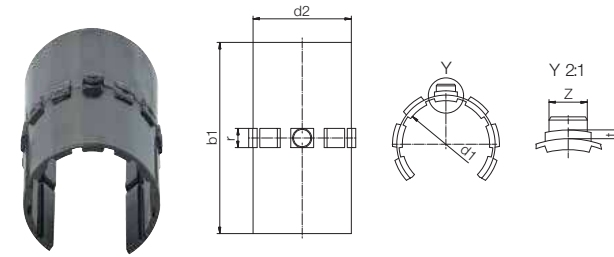
Can be combined with:



drylin® R liners | Product range



Long, open design for supported shafts, two-piece – made from iglidur® X (the extreme)

 Order key



Type	Size
iglidur® X	
Liner	
Metric	
Open	
Standard	
Inner Ø d1	

The "extreme", resistant to temperature and chemicals on stainless steel and chromed shafts

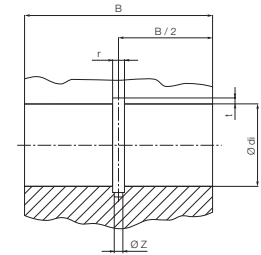
 ⁷⁸⁾ According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
 Min. -100°C
Max. +250°C

Dimensions [mm]

d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
10	-0.020 +0.020	12	28	3.0	0.8	2.5	1.00	XUMO-01-10¹¹⁰⁾
12	+0.020 +0.060	14	31	3.0	0.8	3.0	1.20	XUMO-01-12
16	+0.020 +0.060	18	35	3.5	0.8	3.5	2.30	XUMO-01-16
20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.30	XUMO-01-20
25	-0.030 +0.010	28	57	5.0	0.8	4.0	6.80	XUMO-01-25
30	-0.040 +0.010	34	67	5.0	0.8	4.0	13.30	XUMO-01-30
40	±0.000 +0.050	44	79	6.0	1.3	5.0	22.60	XUMO-01-40

Housing hole for XUMO-01 | Dimensions [mm]

Shaft Ø	d _i H7	B h10	W +0.2	r +0.05	t +0.1	f +0.5	Z +0.2	Part No.
10	12	29	7.3	3.0	1.0	1.0	2.6	XUMO-01-10¹¹⁰⁾
12	14	32	9.0	3.0	1.0	1.5	3.1	XUMO-01-12
16	18	36	11.6	3.5	1.0	1.7	3.6	XUMO-01-16
20	23	45	12.0	5.0	1.0	2.0	3.6	XUMO-01-20
25	28	58	14.5	5.0	1.0	2.0	4.1	XUMO-01-25
30	34	68	16.6	5.0	1.0	2.0	4.1	XUMO-01-30
40	44	80	21.0	6.0	1.5	2.5	5.1	XUMO-01-40




¹¹⁰⁾ One-piece

Can be combined with:








drylin® R liners | Product range

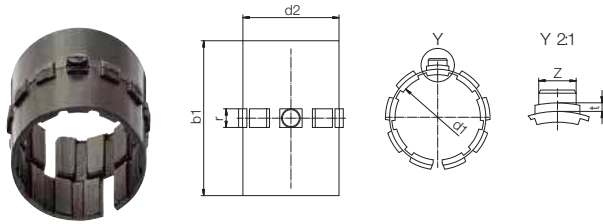
Short, closed design for shafts, two-pieces – made from iglidur® X (the extreme)

 Order key



Type Size

X U M-02-12



The "extreme", resistant to temperature and chemicals on stainless steel and chromed shafts

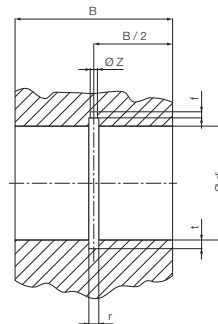
 ⁷⁸⁾ According to igus® testing method ▶ Page 1146
 Please note: Installation instructions ▶ Page 1079
 Min. -100°C
 Max. +250°C

Dimensions [mm]

d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
12	+0.020 +0.060	14	27	3.0	0.8	3.0	1.3	XUM-02-12
16	+0.020 +0.060	18	29	3.5	0.8	3.5	2.5	XUM-02-16
20	+0.030 +0.070	23	29	5.0	0.8	3.5	3.4	XUM-02-20
25	-0.030 +0.010	28	39	5.0	0.8	4.0	5.6	XUM-02-25
30	-0.040 +0.010	34	49	5.0	0.8	4.0	12.0	XUM-02-30
40	±0.000 +0.050	44	59	6.0	1.3	5.0	20.0	XUM-02-40

Housing hole for XUM-02 | Dimensions [mm]

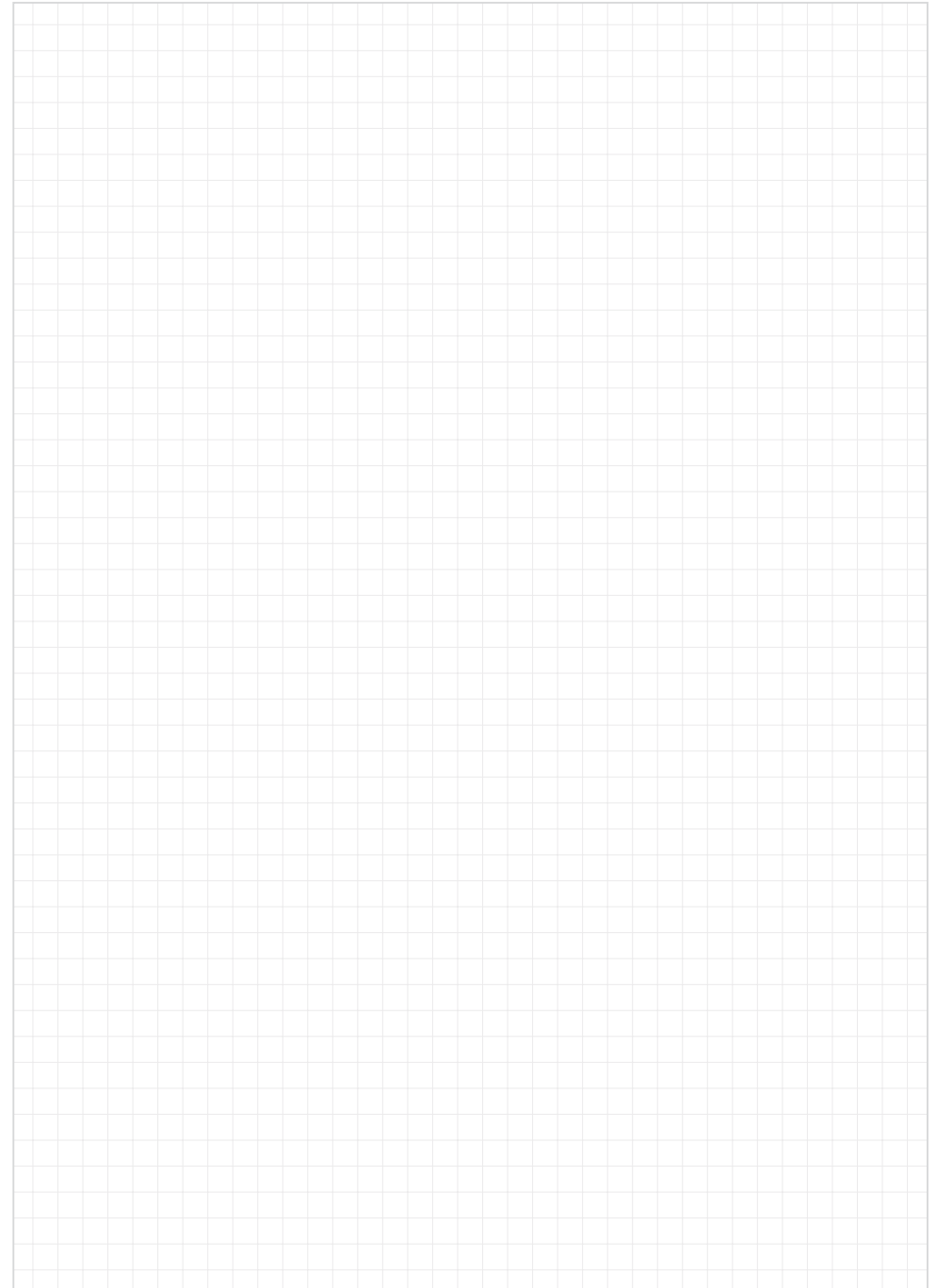
Shaft Ø	d _i H7	B h10	r +0.05	t +0.1	f +0.5	Z +0.2	Part No.
12	14	28	3.0	1.0	1.5	3.1	XUM-02-12
16	18	30	3.5	1.0	1.7	3.6	XUM-02-16
20	23	30	5.0	1.0	2.0	3.6	XUM-02-20
25	28	40	5.0	1.0	2.0	4.1	XUM-02-25
30	34	50	5.0	1.0	2.0	4.1	XUM-02-30
40	44	60	6.0	1.5	2.5	5.1	XUM-02-40



Can be combined with:



My sketches

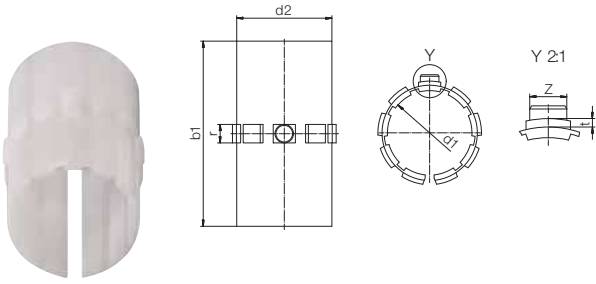


drylin® R liners | Product range



Long, closed design for round shafts –
made from iglidur® A180 (FDA-compliant)

 Order key

Type	Size
iglidur® A180	A180 U M-01-10
Liner	
Metric	
Standard	
Inner Ø d1	



The FDA-compliant for the food
and pharmaceutical industry

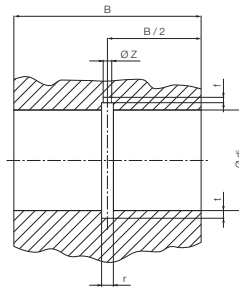
 ⁷⁸⁾ According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
 Min. -50°C
Max. +90°C

Dimensions [mm]

d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.000 +0.020	12	28	3.0	0.8	2.5	1.08	A180UM-01-10
12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.47	A180UM-01-12
16	+0.030 +0.070	18	35	3.5	0.8	3.5	2.16	A180UM-01-16
20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.80	A180UM-01-20
25	+0.030 +0.070	28	57	5.0	0.8	4.0	8.07	A180UM-01-25
30	+0.040 +0.085	34	67	5.0	0.8	4.0	14.65	A180UM-01-30
35	+0.040 +0.085	39	69	5.0	0.8	4.0	17.84	A180UM-01-35
40	+0.040 +0.085	44	79	6.0	1.3	5.0	22.70	A180UM-01-40
50	+0.050 +0.150	55	99	7.0	1.3	6.0	44.44	A180UM-01-50

Housing hole for A180UM-01 | Dimensions [mm]

Shaft Ø	di H7	B h10	r +0.05	t +0.1	f +0.5	Z +0.2	Part No.
10	12	29	3.0	1.0	1.0	2.6	A180UM-01-10
12	14	32	3.0	1.0	1.5	3.1	A180UM-01-12
16	18	36	3.5	1.0	1.7	3.6	A180UM-01-16
20	23	45	5.0	1.0	2.0	3.6	A180UM-01-20
25	28	58	5.0	1.0	2.0	4.1	A180UM-01-25
30	34	68	5.0	1.0	2.0	4.1	A180UM-01-30
35	39	70	5.0	1.0	2.0	4.1	A180UM-01-35
40	44	80	6.0	1.5	2.5	5.1	A180UM-01-40
50	55	100	7.0	1.5	2.5	6.1	A180UM-01-50



Can be combined with:

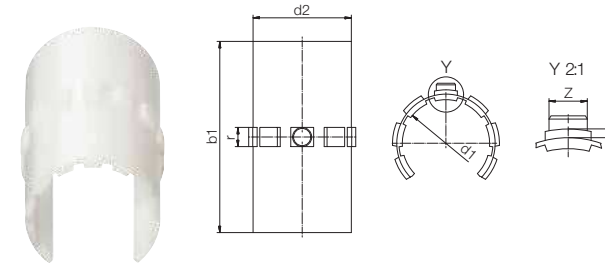


drylin® R liners | Product range



Long, open design for supported shafts –
made from iglidur® A180 (FDA-compliant)

 Order key

Type	Size
iglidur® A180	A180 U M O-01-10
Liner	
Metric	
Open	
Standard	
Inner Ø d1	



The FDA-compliant for the food
and pharmaceutical industry

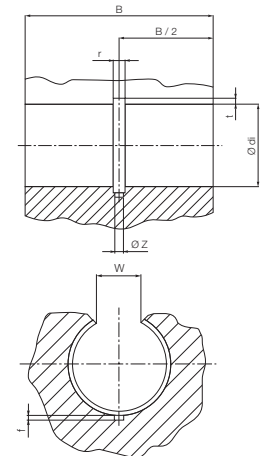
 ⁷⁸⁾ According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
 Min. -50°C
Max. +90°C

Dimensions [mm]

d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.000 +0.020	12	28	3.0	0.8	2.5	1.08	A180UMO-01-10
12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.47	A180UMO-01-12
16	+0.030 +0.070	18	35	3.5	0.8	3.5	2.16	A180UMO-01-16
20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.80	A180UMO-01-20
25	+0.030 +0.070	28	57	5.0	0.8	4.0	8.07	A180UMO-01-25
30	+0.040 +0.085	34	67	5.0	0.8	4.0	14.65	A180UMO-01-30
35	+0.040 +0.085	39	69	5.0	0.8	4.0	17.84	A180UMO-01-40
40	+0.040 +0.085	44	79	6.0	1.3	5.0	22.70	A180UMO-01-50

Housing hole for A180UMO-01 | Dimensions [mm]

Shaft Ø	di H7	B h10	W	r +0.5	t +0.05	f +0.1	Z +0.2	Part No.
10	12	29	7.3	3.0	1.0	1.0	2.6	A180UMO-01-10
12	14	32	9.0	3.0	1.0	1.5	3.1	A180UMO-01-12
16	18	36	11.6	3.5	1.0	1.7	3.6	A180UMO-01-16
20	23	45	12.0	5.0	1.0	2.0	3.6	A180UMO-01-20
25	28	58	14.5	5.0	1.0	2.0	4.1	A180UMO-01-25
30	34	68	16.6	5.0	1.0	2.0	4.1	A180UMO-01-30
40	44	80	21.0	6.0	1.5	2.5	5.1	A180UMO-01-40
50	55	100	25.5	7.0	1.5	2.5	6.1	A180UMO-01-50



Can be combined with:



drylin® R liners | Product range

Long, closed design for round shafts – made from iglidur® A160
(compliant with Regulation (EU) No. 10/2011 and FDA guidelines)

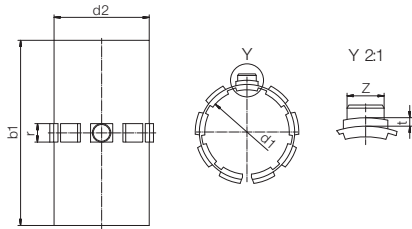


Order key

Type Size

A160 U M-01-10

igidur® A160	Liner	Metric	Standard	Inner Ø d1
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Compliant with Regulation (EU) No. 10/2011 and FDA guidelines for longer service life on hardened stainless steel shafts



⁷⁸⁾ According to igus® testing method ▶ Page 1146

Please note: Installation instructions ▶ Page 1079



Min. -50°C

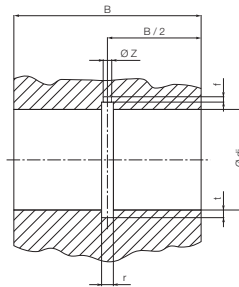
Max. +90°C

Dimensions [mm]

d1	d1 tolerance ⁷⁸⁾	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.03 +0.07	12	28	3.0	0.8	2.5	0.7	A160UM-01-10
12	+0.03 +0.07	14	31	3.0	0.8	3.0	1.0	A160UM-01-12
16	+0.03 +0.07	18	35	3.5	0.8	3.5	1.5	A160UM-01-16
20	+0.03 +0.07	23	44	5.0	0.8	3.5	3.3	A160UM-01-20
25	+0.03 +0.07	28	57	5.0	0.8	4.0	5.4	A160UM-01-25
30	+0.04 +0.09	34	67	5.0	0.8	4.0	9.9	A160UM-01-30
40	+0.04 +0.09	44	79	6.0	1.3	5.0	17.3	A160UM-01-40
50	+0.05 +0.15	55	99	7.0	1.3	6.0	36.3	A160UM-01-50

Housing hole for A160UM-01 | Dimensions [mm]

Shaft	d _i	B	r	t	f	Z	Part No.
Ø	H7	h10	+0.05	+0.1	+0.5	+0.2	
10	12	29	3.0	1.0	1.0	2.6	A160UM-01-10
12	14	32	3.0	1.0	1.5	3.1	A160UM-01-12
16	18	36	3.5	1.0	1.7	3.6	A160UM-01-16
20	23	45	5.0	1.0	2.0	3.6	A160UM-01-20
25	28	58	5.0	1.0	2.0	4.1	A160UM-01-25
30	34	68	5.0	1.0	2.0	4.1	A160UM-01-30
40	44	80	6.0	1.5	2.5	5.1	A160UM-01-40
50	55	100	7.0	1.5	2.5	6.1	A160UM-01-50



Can be combined with:



RJUM-01/-03
TJUM-01/-03

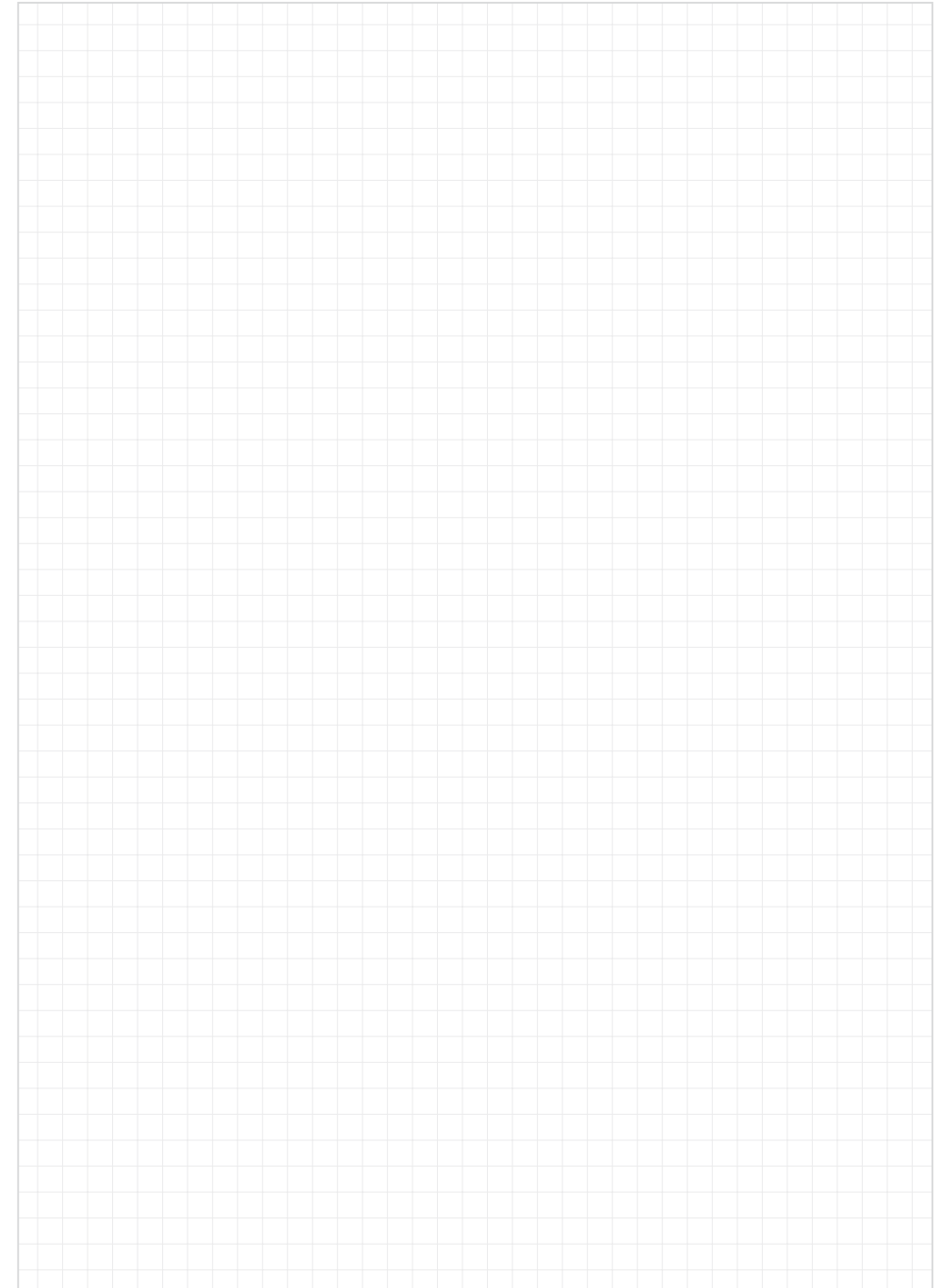


RJUM-06/-06-LL

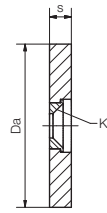
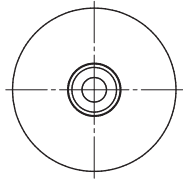


FJUM-01/-02

My sketches



Large force displacement on different surfaces



Order key

Type	Size
RSD J-40-06	
Slide disc	
iglidur® J	
Outer Ø	
Width	

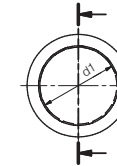
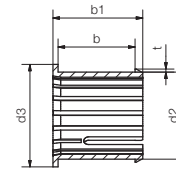
- Made from the high-performance plastic iglidur® J
- Low coefficient of friction
- Screw through the reinforced hole in the middle for a firm hold

Min. -50°C
Max. +90°C

Dimensions [mm]

Outer Ø Da	Wear limit	Width s	K For countersunk screw	Max. static load capacity [N]	Part No.
40	1.5	6 ± 0.05	M6	28,500	RSDJ-40-06
60	2.5	8 ± 0.05	M8	66,000	RSDJ-60-08
80	2.5	8 ± 0.05	M8	120,000	RSDJ-80-08

Clip-on liners



Order key

Type	Size
JUCM-1216-16	
iglidur® J	
Liner	
Clip-on	
Metric	
Inner Ø d1	
Outer Ø d2	
Length b	

- Quick installation by hand for sheet thicknesses of 12 to 30mm
- No locating spigot required

⁷⁸⁾ According to igus® testing method ▶ Page 1146
⁸²⁾ Design tips ▶ Page 1078

Please note: Installation instructions ▶ Page 1079

Min. -50°C
Max. +90°C

Dimensions [mm]

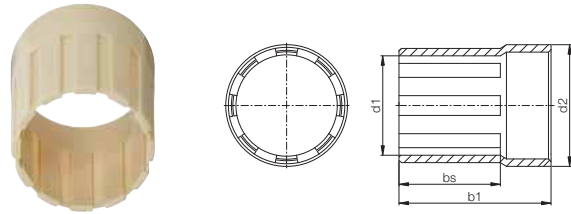
d1	d2	d3	b +0.05 / +0.25	b1	t	Part No.
12	16	20	16	20.5	0.8	JUCM-1216-16
14	18	22	18	22.5	0.8	JUCM-1418-18
15	17	22	15	18.0	0.8	JUCM-1517-15 New
16	20	25	20	24.5	0.8	JUCM-1620-20
18	22	26	20	24.5	0.8	JUCM-1822-20
20	24	30	25	30.0	1.0	JUCM-2024-25
22	27	34	27	32.0	1.0	JUCM-2227-27
22	27	32	34	39.5	1.0	JUCM-2227-34
25	29	35	30	35.5	1.0	JUCM-2529-30
30	34	40	30	35.0	1.2	JUCM-3034-30

Technical data

Part No.	d1 tolerance ⁷⁸⁾ [mm]	Fmax. dynamic ⁸²⁾ p = 5MPa [N]		Fmax. static ⁸²⁾ p = 35MPa [N]	Weight [g]
JUCM-1216-16	+0.04 +0.10	320	1,600	2.5	
JUCM-1418-18	+0.04 +0.10	440	2,200	2.9	
JUCM-1517-15	+0.04 +0.10	380	1,900	1.4	
JUCM-1620-20	+0.04 +0.10	560	2,800	3.9	
JUCM-1822-20	+0.04 +0.10	630	3,150	4.2	
JUCM-2024-25	+0.04 +0.12	880	4,400	5.8	
JUCM-2227-27	+0.04 +0.12	1,000	5,000	9.4	
JUCM-2227-34	+0.04 +0.12	1,300	6,500	10.3	
JUCM-2529-30	+0.04 +0.12	1,300	6,500	8.6	
JUCM-3034-30	+0.04 +0.12	1,500	7,500	10.0	



Order key



Type	Size
W L M-0608-10	
igidur® L100	
L1 series	
Metric	
Inner Ø d1	
Outer Ø d2	
Length	

- Extreme wear resistance
- Low coefficient of friction

⁸⁰⁾ Measured with plug gauge

Please note: Installation instructions ► Page 1079

Material properties ► Page 1654



Min. -40°C

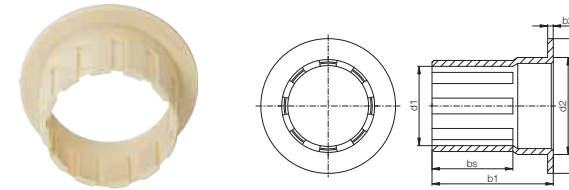
Max. +100°C

Dimensions [mm]

d1	d1 tolerance ⁸⁰⁾	d2	b1	bs	Part No.
6	+0.000 +0.040	8	10	6	WLM-0608-10
8	+0.000 +0.050	10	12	8	WLM-0810-12
10	+0.000 +0.050	12	14.5	10	WLM-1012-14
10	+0.000 +0.050	12	16	10	WLM-1012-16
12	+0.000 +0.050	14	16	10	WLM-1214-16
12	+0.000 +0.050	14	25	15	WLM-1214-25
16	+0.000 +0.050	18	18	10	WLM-1618-18
16	+0.000 +0.050	18	26	16	WLM-1618-26
20	+0.000 +0.060	23	22.5	12.5	WLM-2023-22
20	+0.000 +0.060	23	30	20	WLM-2023-30
22	+0.000 +0.060	25	30	20	WLM-2225-30
25	+0.000 +0.060	28	29	19	WLM-2528-29
25	+0.000 +0.060	28	35	25	WLM-2528-35
30	+0.000 +0.060	34	34	24	WLM-3034-34
30	+0.000 +0.060	34	40	30	WLM-3034-40
40	+0.000 +0.060	44	40	30	WLM-4044-40
40	+0.000 +0.060	44	50	40	WLM-4044-50
50	+0.000 +0.070	55	50	40	WLM-5055-50
50	+0.000 +0.070	55	60	50	WLM-5055-60



Order key



Type	Size
W L F M-1214-15	
igidur® L100	
L1 series	
With flange	
Metric	
Inner Ø d1	
Outer Ø d2	
Length	

- Extreme wear resistance
- Low coefficient of friction

⁸⁰⁾ Measured with plug gauge

Please note: Installation instructions ► Page 1079

Material properties ► Page 1654



Min. -40°C

Max. +100°C

Dimensions [mm]

d1	d1 tolerance ⁸⁰⁾	d2	d3	b1	b2	bs	Part No.
12	+0.000 +0.050	14	20	15.0	1.0	9	WLFM-1214-15
16	+0.000 +0.050	18	24	16.0	1.0	10	WLFM-1618-16
20	+0.000 +0.060	23	30	16.5	1.5	10	WLFM-2023-16
25	+0.000 +0.060	28	35	21.5	1.5	11	WLFM-2528-21
30	+0.000 +0.060	34	42	27.0	2.0	15	WLFM-3034-27
40	+0.000 +0.060	44	52	32.0	2.0	20	WLFM-4044-32
50	+0.000 +0.070	55	63	37.5	2.5	25	WLFM-5055-37



- Assembly by press-fitting
- Secured by circlips

Min. -20°C
Max. +60°C

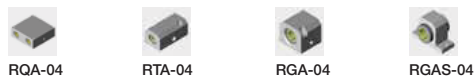
Dimensions [mm]

d1	d2	B	B1	s	dn	Part No.
8	16	25	16.2	1.10	15.2	RJM-01-08
10	19	29	21.6	1.30	17.5	RJM-01-10
12	22	32	22.6	1.30	20.5	RJM-01-12
16	26	36	24.6	1.30	24.2	RJM-01-16
20	32	45	31.2	1.60	29.6	RJM-01-20
25	40	58	43.7	1.85	36.5	RJM-01-25
30	47	68	51.7	1.85	43.5	RJM-01-30
40	62	80	60.3	2.15	57.8	RJM-01-40

Technical data

Part No.	d1 tolerance ⁷⁸⁾	Fmax. dynamic ⁸²⁾	Fmax. static ⁸²⁾	Weight	Press-fit force ⁸³⁾
	[mm]	p = 2.5MPa [N]	p = 17.5MPa [N]		
RJM-01-08	+0.025 +0.061	250	1,750	4	400
RJM-01-10	+0.025 +0.061	363	2,538	7	700
RJM-01-12	+0.032 +0.075	480	3,360	9	1,300
RJM-01-16	+0.032 +0.075	720	5,040	13	1,100
RJM-01-20	+0.040 +0.092	1,125	7,875	24	1,500
RJM-01-25	+0.040 +0.092	1,813	12,688	47	3,500
RJM-01-30	+0.040 +0.092	2,550	17,850	72	4,500
RJM-01-40	+0.050 +0.112	4,000	28,000	127	4,200

Can be combined with:



- Easy assembly by soft press-fit
- Reduced bearing clearance
- Secured by circlips

Min. -20°C
Max. +60°C

Imperial dimensions
► Page 1613

Dimensions [mm]

d1	d2	B	B1	s	dn	Part No.
6	12	19	13.5	1.10	11.5	RJMP-01-06
8	16	25	16.2	1.10	15.2	RJMP-01-08
10	19	29	21.6	1.30	17.5	RJMP-01-10
12	22	32	22.6	1.30	20.5	RJMP-01-12
16	26	36	24.6	1.30	24.2	RJMP-01-16
20	32	45	31.2	1.60	29.6	RJMP-01-20
25	40	58	43.7	1.85	36.5	RJMP-01-25
30	47	68	51.7	1.85	43.5	RJMP-01-30

Technical data

Part No.	d1 tolerance ⁷⁸⁾	Fmax. dynamic ⁸²⁾	Fmax. static ⁸²⁾	Weight
	[mm]	p = 2.5MPa [N]	p = 17.5MPa [N]	
RJMP-01-06	+0.000 +0.030	200	1,400	2
RJMP-01-08	+0.000 +0.040	250	1,750	4
RJMP-01-10	+0.000 +0.040	363	2,538	7
RJMP-01-12	+0.000 +0.040	480	3,360	9
RJMP-01-16	+0.000 +0.040	720	5,040	13
RJMP-01-20	+0.000 +0.040	1,125	7,875	24
RJMP-01-25	+0.000 +0.050	1,813	12,688	47
RJMP-01-30	+0.000 +0.050	2,550	17,850	72

Can be combined with:



Order key

Type	Size
Closed	R J M-01-10
iglidur® J	
Metric	
Standard	
Inner Ø d1	

⁷⁸⁾ According to igus® testing method ► Page 1146

⁸²⁾ Design tips ► Page 1078

⁸³⁾ Applies by room temperature: press-fit decrease with time depending on the temperature
Please note: Installation instructions ► Page 1079

Imperial dimensions
► Page 1613

Order key

Type	Size
Closed	R J M P-01-10
iglidur® J	
Metric	
Precise	
Standard	
Inner Ø d1	

⁷⁸⁾ According to igus® testing method ► Page 1146

⁸²⁾ Design tips ► Page 1078

Please note: Installation instructions ► Page 1079

Min. -20°C
Max. +60°C

Imperial dimensions
► Page 1613

drylin® R solid plastic bearings | Product range

Linear plain bearings with Japanese dimensions made from iglidur® J4



- Alternative to ball bearings with Japanese dimension
- Quickly assembled
- Secured by circlips

i ⁷⁸⁾ According to igus® testing method ▶ Page 1146
⁸²⁾ Design tips ▶ Page 1078
 Please note: Installation instructions ▶ Page 1079
 Material properties ▶ Page 1652

t Min. -20°C
 Max. +60°C

Dimensions [mm]

d1	d2	B	B1	s	dn	Part No.
8	15	24	17.5	1.1	14.3	RJ4JP-01-08
10	19	29	22.0	1.3	18.0	RJ4JP-01-10
12	21	30	23.0	1.3	20.0	RJ4JP-01-12
16	28	37	26.5	1.6	26.6	RJ4JP-01-16
20	32	42	30.5	1.6	30.3	RJ4JP-01-20
25	40	59	41.1	1.85	37.5	RJ4JP-01-25
30	45	64	44.6	1.85	42.5	RJ4JP-01-30

Technical data

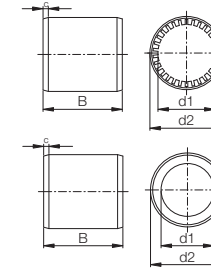
Part No.	d1 tolerance ⁷⁸⁾	Fmax. dynamic ⁸²⁾	Fmax. static ⁸²⁾	Weight
	[mm]	p = 5MPa [N]	p = 35MPa [N]	
RJ4JP-01-08	+0.000 +0.040	200	800	2
RJ4JP-01-10	+0.000 +0.040	300	1,200	6
RJ4JP-01-12	+0.000 +0.040	400	1,600	8
RJ4JP-01-16	+0.000 +0.040	700	2,800	16
RJ4JP-01-20	+0.000 +0.040	1,000	4,000	23
RJ4JP-01-25	+0.000 +0.050	1,550	6,500	47
RJ4JP-01-30	+0.000 +0.050	2,200	8,500	72

Key Order key

Type	Size
Closed	R J 4 J P-01-10
iglidur® J4	
Japan standard	
Precise	
Standard	
Inner Ø d1	

drylin® R solid plastic bearings | Product range

Low-cost linear plain bearings made from iglidur® J260



- 2 variations: RJ260M (with plain design) and RJ260UM (grooved structure)

i ⁷⁸⁾ According to igus® testing method ▶ Page 1146
⁸²⁾ Design tips ▶ Page 1078
 Please note: Installation instructions ▶ Page 1079

t Min. -20°C
 Max. +60°C

Dimensions [mm]

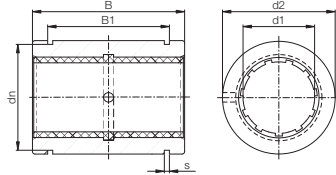
d1	d2	B	C	Part No.
12	19	28	1.5x15°	RJ260UM-02-12
16	24	30	1.5x15°	RJ260UM-02-16
20	28	30	2.0x15°	RJ260UM-02-20
25	35	40	2.0x15°	RJ260UM-02-25

Technical data

Part No.	d1 tolerance ⁷⁸⁾	Fmax. dynamic ⁸²⁾	Fmax. static ⁸²⁾	Weight
	[mm]	p = 2.5MPa [N]	p = 17.5MPa [N]	
RJ260UM-02-12	+0.035 +0.080	420	2,940	6.2
RJ260UM-02-16	+0.035 +0.080	600	4,200	9.7
RJ260UM-02-20	+0.040 +0.095	750	5,250	11.7
RJ260UM-02-25	+0.040 +0.095	1,250	8,750	22.8

Key Order key

Type	Size
Closed	R J 260 U M-02-12
iglidur® J260	
Grooved	
Metric	
Compact	
Inner Ø d1	



Order key

Type	Size
R J U M-01-10	
Closed	
igidur® J	
Liner	
Metric	
Standard	
Inner Ø d1	

● Secured by circlips

⁷⁸⁾ According to igus® testing method ▶ Page 1146⁸¹⁾ Ø < 10mm use press-fitted sleeve plain bearings⁸²⁾ Design tips ▶ Page 1078

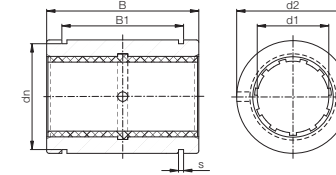
Please note: Installation instructions ▶ Page 1079

Dimensions [mm]

d1	d2	B	B1	s	dn	Part No.
	H7	h10	H10	H10	h10	
5	12	22	14.2	1.10	11.5	RJZM-01-05 ⁸¹⁾
6	12	22	14.2	1.10	11.5	RJZM-01-06 ⁸¹⁾
8	16	25	16.2	1.10	15.2	RJZM-01-08 ⁸¹⁾
10	19	29	21.6	1.30	17.5	RJUM-01-10
12	22	32	22.6	1.30	20.5	RJUM-01-12
16	26	36	24.6	1.30	24.2	RJUM-01-16
20	32	45	31.2	1.60	29.6	RJUM-01-20
25	40	58	43.7	1.85	36.5	RJUM-01-25
30	47	68	51.7	1.85	43.5	RJUM-01-30
40	62	80	60.3	2.15	57.8	RJUM-01-40
50	75	100	77.3	2.65	70.5	RJUM-01-50
60	90	125	101.7	3.15	86.5	RJUM-01-60

Technical data

Part No.	d1 tolerance ⁷⁸⁾ [mm]	Fmax. dynamic ⁸²⁾		Weight [g]
		p = 5MPa [N]	p = 35MPa [N]	
RJZM-01-05 ⁸¹⁾	+0.025 +0.060	525	3,675	5
RJZM-01-06 ⁸¹⁾	+0.025 +0.060	525	3,675	5
RJZM-01-08 ⁸¹⁾	+0.032 +0.070	960	6,720	9
RJUM-01-10	+0.030 +0.088	725	5,075	14
RJUM-01-12	+0.030 +0.088	960	6,720	21
RJUM-01-16	+0.030 +0.088	1,440	10,080	28
RJUM-01-20	+0.030 +0.091	2,250	15,750	49
RJUM-01-25	+0.030 +0.091	3,625	25,375	108
RJUM-01-30	+0.040 +0.110	5,100	35,700	162
RJUM-01-40	+0.040 +0.115	8,000	56,000	334
RJUM-01-50	+0.050 +0.130	9,000	87,500	579
RJUM-01-60	+0.050 +0.140	12,000	120,000	1,070



Order key

Type	Size
R J U M-11-10	
Closed	
igidur® J	
Liner	
Metric	
Precise	
Inner Ø d1	

● Max. bearing clearance reduced by 50%

● Secured by circlips

⁷⁸⁾ According to igus® testing method ▶ Page 1146⁸²⁾ Design tips ▶ Page 1078

Please note: Installation instructions ▶ Page 1079

Dimensions [mm]

d1	d2	B	B1	s	dn	Part No.
	H7	h10	H10	H10	h10	
10	19	29	21.6	1.30	17.5	RJUM-11-10
12	22	32	22.6	1.30	20.5	RJUM-11-12
16	26	36	24.6	1.30	24.2	RJUM-11-16
20	32	45	31.2	1.60	29.6	RJUM-11-20
25	40	58	43.7	1.85	36.5	RJUM-11-25
30	47	68	51.7	1.85	43.5	RJUM-11-30
40	62	80	60.3	2.15	57.8	RJUM-11-40
50	75	100	77.3	2.65	70.5	RJUM-11-50

Technical data

Part No.	d1 tolerance ⁷⁸⁾ [mm]	Fmax. dynamic ⁸²⁾		Weight [g]
		p = 5MPa [N]	p = 35MPa [N]	
RJUM-11-10	+0.000 +0.058	725	5,075	14
RJUM-11-12	+0.000 +0.058	960	6,720	21
RJUM-11-16	+0.000 +0.058	1,440	10,080	28
RJUM-11-20	+0.000 +0.061	2,250	15,750	49
RJUM-11-25	+0.000 +0.061	3,625	25,375	108
RJUM-11-30	+0.000 +0.075	5,100	35,700	162
RJUM-11-40	+0.000 +0.080	8,000	56,000	334
RJUM-11-50	+0.000 +0.090	12,500	87,500	579

Can be combined with:



RQA-01



RTA-01



RGA-01



RGAS-01



J



E7



X

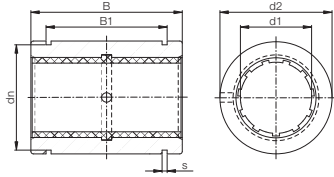
Available with drylin® liners (optional: J200/A180):

drylin® R linear plain bearings | Product range

Closed stainless steel adapter made of stainless steel 303



Order key



Type	Size	Material
R J U M-01-12-ES		
Closed	iglidur® J	Stainless steel
	Liner	
	Metric	
	Standard	
	Inner Ø d1	

● Secured by circlips



⁷⁸⁾ According to igus® testing method ► Page 1146

⁸²⁾ Design tips ► Page 1078

Please note: Installation instructions ► Page 1079

Dimensions [mm]

d1	d2	B	B1	s	dn	Part No.
	H7	h10	H10	H10	h10	
12	22	32	22.6	1.30	20.5	RJUM-01-12-ES
16	26	36	24.6	1.30	24.2	RJUM-01-16-ES
20	32	45	31.2	1.60	29.6	RJUM-01-20-ES
25	40	58	43.7	1.85	36.5	RJUM-01-25-ES
30	47	68	51.7	1.85	43.5	RJUM-01-30-ES

Technical data

Part No.	d1 tolerance ⁷⁸⁾ [mm]	Fmax. dynamic ⁸²⁾	Fmax. static ⁸²⁾	Weight [g]
		p = 5MPa [N]	p = 35MPa [N]	
RJUM-01-12-ES	+0.030 +0.088	960	6,720	60
RJUM-01-16-ES	+0.030 +0.088	1,440	10,080	84
RJUM-01-20-ES	+0.030 +0.091	2,250	15,750	147
RJUM-01-25-ES	+0.030 +0.091	3,625	25,375	324
RJUM-01-30-ES	+0.040 +0.110	5,100	35,700	486

Available with drylin® liners (optional: J200/A180):

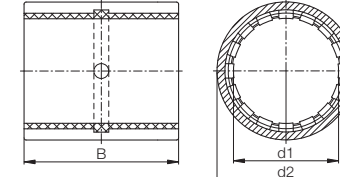


drylin® R linear plain bearings | Product range

Closed, anodised aluminium adapter, short design



Order key



Type	Size
R J U M-02-10	
Closed	iglidur® J
	Liner
	Metric
	Compact
	Inner Ø d1

● Also available as a reduced clearance version

RJUM-12 (Ø 10–50mm)



⁷⁸⁾ According to igus® testing method ► Page 1146

⁸¹⁾ Ø < 10mm use press-fitted sleeve bearings

⁸²⁾ Design tips ► Page 1078

Please note: Installation instructions ► Page 1079

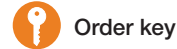
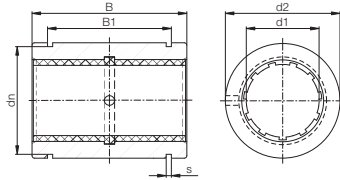
Dimensions [mm]

d1	d2	B	Part No.
	H7	h10	
6	12	22	RJZM-02-06 ⁸¹⁾
8	15	24	RJZM-02-08 ⁸¹⁾
10	17	26	RJUM-02-10
12	19	28	RJUM-02-12
16	24	30	RJUM-02-16
20	28	30	RJUM-02-20
25	35	40	RJUM-02-25
30	40	50	RJUM-02-30
40	52	60	RJUM-02-40
50	62	70	RJUM-02-50

Technical data

Part No.	Housing hole Ø H7 [mm]	d1 tolerance ⁷⁸⁾ [mm]	Fmax. dynamic ⁸²⁾	Fmax. static ⁸²⁾	Weight [g]
			p = 5MPa [N]	p = 35MPa [N]	
RJZM-02-06 ⁸¹⁾	12	+0.032 +0.070	600	4,200	4
RJZM-02-08 ⁸¹⁾	15	+0.032 +0.070	650	4,550	6
RJUM-02-10	17	+0.030 +0.088	650	4,550	8
RJUM-02-12	19	+0.030 +0.088	840	5,880	10
RJUM-02-16	24	+0.030 +0.088	1,200	8,400	17
RJUM-02-20	28	+0.030 +0.091	1,500	10,500	18
RJUM-02-25	35	+0.030 +0.091	2,500	17,500	42
RJUM-02-30	40	+0.040 +0.110	3,750	26,250	56
RJUM-02-40	52	+0.040 +0.115	6,000	42,000	113
RJUM-02-50	62	+0.050 +0.130	8,750	61,250	147

drylin® R linear plain bearings | Product range

Closed, anodised aluminium adapters
with iglidur® E7 liner

Order key

Type	Size
R E7 U M-01-10	
Closed	
igidur® E7	
Liner	
Metric	
Standard	
Inner Ø d1	

● Secured by circlips

⁷⁸⁾ According to igus® testing method ▶ Page 1146⁸²⁾ Design tips ▶ Page 1078

Please note: Installation instructions ▶ Page 1079

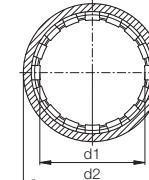
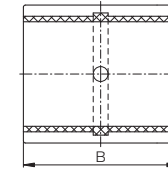
Dimensions [mm]

d1	d2	B	B1	s	dn	Part No.
	H7	h10	H10	H10	h10	
10	19	29	21.6	1.30	17.5	RE7UM-01-10
12	22	32	22.6	1.30	20.5	RE7UM-01-12
16	26	36	24.6	1.30	24.2	RE7UM-01-16
20	32	45	31.2	1.60	29.6	RE7UM-01-20
25	40	58	43.7	1.85	36.5	RE7UM-01-25
30	47	68	51.7	1.85	43.5	RE7UM-01-30
40	62	80	60.3	2.15	57.8	RE7UM-01-40
50	75	100	77.3	2.65	70.5	RE7UM-01-50
60	90	125	101.7	3.15	86.5	RE7UM-01-60

Technical data

Part No.	d1 tolerance ⁷⁸⁾	F max. dynamic ⁸²⁾	F max. static ⁸²⁾	Weight
	[mm]	p = 2.5MPa [N]	p = 18MPa [N]	
RE7UM-01-10	+0.030 +0.088	360	2,610	14
RE7UM-01-12	+0.030 +0.088	480	3,450	21
RE7UM-01-16	+0.030 +0.088	720	5,180	28
RE7UM-01-20	+0.030 +0.091	1,120	8,100	49
RE7UM-01-25	+0.030 +0.091	1,810	13,050	108
RE7UM-01-30	+0.040 +0.110	2,550	18,360	162
RE7UM-01-40	+0.040 +0.115	4,000	28,800	334
RE7UM-01-50	+0.050 +0.180	4,500	45,000	579
RE7UM-01-60	+0.050 +0.190	6,000	61,700	1,070

drylin® R linear plain bearings | Product range

Closed, anodised aluminium adapters, short design
with iglidur® E7 liner

Order key

Type	Size
R E7 U M-02-10	
Closed	
igidur® E7	
Liner	
Metric	
Compact	
Inner Ø d1	

⁷⁸⁾ According to igus® testing method ▶ Page 1146⁸²⁾ Design tips ▶ Page 1078

Please note: Installation instructions ▶ Page 1079

Dimensions [mm]

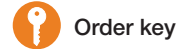
d1	d2	B	Part No.
	H7	h10	
10	17	26	RE7UM-02-10
12	19	28	RE7UM-02-12
16	24	30	RE7UM-02-16
20	28	30	RE7UM-02-20
25	35	40	RE7UM-02-25
30	40	50	RE7UM-02-30
40	52	60	RE7UM-02-40
50	62	70	RE7UM-02-50

Technical data

Part No.	Housing hole	d1 tolerance ⁷⁸⁾	F max. dynamic ⁸²⁾	F max. static ⁸²⁾	Weight
	Ø H7 [mm]	[mm]	p = 2.5MPa [N]	p = 18MPa [N]	
RE7UM-02-10	17	+0.030 +0.088	325	2,340	8
RE7UM-02-12	19	+0.030 +0.088	420	3,020	10
RE7UM-02-16	24	+0.030 +0.088	600	4,320	17
RE7UM-02-20	28	+0.030 +0.091	750	5,400	18
RE7UM-02-25	35	+0.030 +0.091	1,250	9,000	42
RE7UM-02-30	40	+0.040 +0.110	1,875	13,500	56
RE7UM-02-40	52	+0.040 +0.115	3,000	21,600	113
RE7UM-02-50	62	+0.050 +0.180	4,375	31,500	147

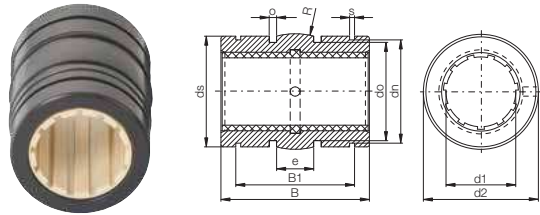
drylin® R linear plain bearings | Product range

Closed aluminium adapter (floating bearing)



Type: **R J U M-03-10**

Size: **Closed Iglidur® J Liner Metric Self-aligning Inner Ø d1**



- With reduced outer diameter, spherical area on the outer diameter, O-rings for elastic seating and hard-anodised surface

- ⁷⁸⁾ According to igus® testing method ▶ Page 1146
- ⁸¹⁾ Ø < 10mm use press-fitted sleeve plain bearings
- ⁸²⁾ Design tips ▶ Page 1078
- Please note: Installation instructions ▶ Page 1079
- Floating bearing ▶ Page 1078
- Imperial dimensions ▶ Page 1615

Dimensions [mm]

d1	d2	B	B1	s	dn	ds	do	o	e	R	Part No.
	H7	h10	H10	H10	h10	h10		+0.1			
8	15.8	24.9	16.4	1.10	15.0	15.5	13.2	1.86	5.0	20.0	RJZM-03-08 ⁸¹⁾
10	18.8	28.9	21.8	1.30	17.5	18.5	15.4	1.86	5.0	13.0	RJUM-03-10
12	21.8	31.9	22.8	1.30	20.5	21.5	18.4	1.86	6.0	18.0	RJUM-03-12
16	25.8	35.9	24.9	1.30	24.2	25.5	20.4	2.86	8.0	32.0	RJUM-03-16
20	31.8	44.8	31.5	1.60	29.6	31.5	26.4	2.86	10.0	50.0	RJUM-03-20
25	39.8	57.8	44.1	1.85	36.5	39.0	34.4	2.86	12.5	39.0	RJUM-03-25
30	46.7	67.8	52.1	1.85	43.5	46.0	41.4	2.86	15.0	57.0	RJUM-03-30
40	61.7	79.8	60.9	2.15	57.8	61.0	56.4	2.86	20.0	100.0	RJUM-03-40
50	74.7	99.8	78.0	2.65	70.5	74.0	69.4	2.86	25.0	157.0	RJUM-03-50

Technical data

Part No.	Housing hole Ø H7 [mm]	d1 tolerance ⁷⁸⁾ [mm]	F max. dynamic ⁸²⁾ p = 5MPa		F max. static ⁸²⁾ p = 35MPa		Weight [g]
			[N]	[N]	[N]	[N]	
RJZM-03-08 ⁸¹⁾	16	+0.032 +0.070	960	6,720	8		
RJUM-03-10	19	+0.030 +0.088	725	5,075	11		
RJUM-03-12	22	+0.030 +0.088	960	6,720	17		
RJUM-03-16	26	+0.030 +0.088	1,440	10,080	23		
RJUM-03-20	32	+0.030 +0.091	2,250	15,750	44		
RJUM-03-25	40	+0.030 +0.091	3,625	25,375	92		
RJUM-03-30	47	+0.040 +0.110	5,100	35,700	145		
RJUM-03-40	62	+0.040 +0.115	8,000	56,000	311		
RJUM-03-50	75	+0.050 +0.150	12,500	87,500	542		

Can be combined with:



Available with drylin® liners (optional: J200/A180):



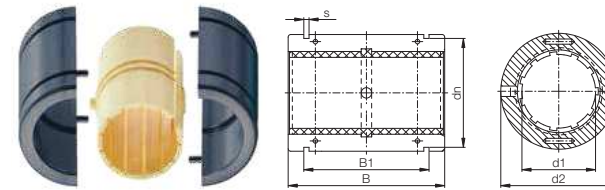
drylin® R linear plain bearings | Product range

Split anodised aluminium adapter



Type: **T J U M-01-10**

Size: **Open Iglidur® J Liner Metric Standard Inner Ø d1**



- Quick replacement of the liner without removing the shaft

- ⁷⁸⁾ According to igus® testing method ▶ Page 1146
- ⁸²⁾ Design tips ▶ Page 1078
- Please note: Installation instructions ▶ Page 1079
- Imperial dimensions ▶ Page 1616

Dimensions [mm]

d1	d2	B	B1	s	dn	Part No.
	H7	h10	H10	H10	h10	
10	19 -0.020 -0.040	29	21.6	1.30	17.5	TJUM-01-10
12	22 -0.020 -0.040	32	22.6	1.30	20.5	TJUM-01-12
16	26 -0.020 -0.040	36	24.6	1.30	24.2	TJUM-01-16
20	32 -0.020 -0.045	45	31.2	1.60	29.6	TJUM-01-20
25	40 -0.030 -0.055	58	43.7	1.85	36.5	TJUM-01-25
30	47 -0.030 -0.055	68	51.7	1.85	43.5	TJUM-01-30
40	62 -0.030 -0.060	80	60.3	2.15	57.8	TJUM-01-40
50	75 -0.030 -0.060	100	77.3	2.65	70.5	TJUM-01-50

Technical data

Part No.	d1 tolerance ⁷⁸⁾ [mm]	F max. dynamic ⁸²⁾ p = 5MPa		F max. static ⁸²⁾ p = 35MPa		Weight [g]
		[N]	[N]	[N]	[N]	
TJUM-01-10	+0.030 +0.092	725	5,075	14		
TJUM-01-12	+0.030 +0.097	960	6,720	19		
TJUM-01-16	+0.030 +0.097	1,440	10,080	27		
TJUM-01-20	+0.030 +0.103	2,250	15,750	49		
TJUM-01-25	+0.030 +0.103	3,625	25,375	106		
TJUM-01-30	+0.040 +0.124	5,100	35,700	166		
TJUM-01-40	+0.040 +0.124	8,000	56,000	347		
TJUM-01-50	+0.050 +0.196	12,500	87,500	577		

Can be combined with:

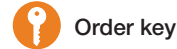


Available with drylin® liners (optional: J200/A180):

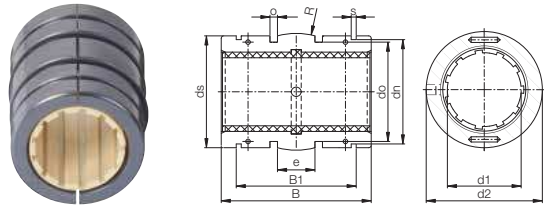


drylin® R linear plain bearings | Product range

Split aluminium adapter (floating bearing)



Type	Size
Open	T J U M-03-10
igidur® J	
Liner	
Metric	
Self-aligning	
Inner Ø d1	



● Split aluminium adapter with spherical middle area for automatic compensation of misalignments and O-rings for elastic seating

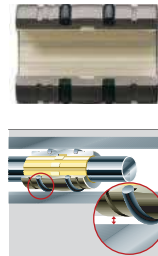
- ⁷⁸⁾ According to igus® testing method ▶ Page 1146
- ⁸²⁾ Design tips ▶ Page 1078
- Please note: Installation instructions ▶ Page 1079
- Floating bearing ▶ Page 1078
- Imperial dimensions ▶ Page 1616

Dimensions [mm]

d1	d2	B	B1	s	dn	ds	do	o	e	R	Part No.	
	H7	h10	H10	H10	h10	h10		+0.1				
10	19	-0.020 -0.040	28.9	21.8	1.30	17.5	18.5	15.4	1.86	5.0	13.0	TJUM-03-10
12	22	-0.020 -0.040	31.9	22.8	1.30	20.5	21.5	18.4	1.86	6.0	18.0	TJUM-03-12
16	26	-0.020 -0.040	35.9	24.9	1.30	24.2	25.5	20.4	2.86	8.0	32.0	TJUM-03-16
20	32	-0.020 -0.045	44.8	31.5	1.60	29.6	31.5	26.4	2.86	10.0	50.0	TJUM-03-20
25	40	-0.030 -0.055	57.8	44.1	1.85	36.5	39.0	34.4	2.86	12.5	39.0	TJUM-03-25
30	47	-0.030 -0.055	67.8	52.1	1.85	43.5	46.0	41.4	2.86	15.0	57.0	TJUM-03-30
40	62	-0.030 -0.060	79.8	60.9	2.15	57.8	61.0	56.4	2.86	20.0	100.0	TJUM-03-40
50	75	-0.030 -0.060	99.8	78.0	2.65	70.5	74.0	69.4	2.86	25.0	157.0	TJUM-03-50

Technical data

Part No.	d1 tolerance ⁷⁸⁾ [mm]	Fmax. dynamic ⁸²⁾ p = 5MPa [N]		Fmax. static ⁸²⁾ p = 35MPa [N]		Weight [g]
		0°	90°	0°	90°	
TJUM-03-10	+0.030 +0.092	725	500	5,075	1,370	11
TJUM-03-12	+0.030 +0.097	960	635	6,720	1,680	17
TJUM-03-16	+0.030 +0.097	1,440	990	10,080	2,772	23
TJUM-03-20	+0.030 +0.103	2,250	1,800	15,750	4,005	44
TJUM-03-25	+0.030 +0.103	3,625	2,953	25,375	6,465	92
TJUM-03-30	+0.040 +0.124	5,100	4,250	35,700	9,195	145
TJUM-03-40	+0.040 +0.124	8,000	6,810	56,000	14,505	311
TJUM-03-50	+0.050 +0.196	12,500	10,750	87,500	22,385	542



Can be combined with:

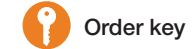


Available with drylin® liners (optional: J200/A180):

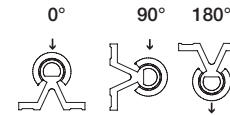
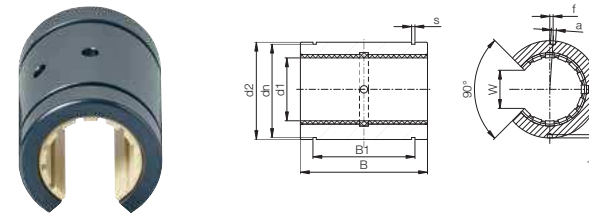


drylin® R linear plain bearings | Product range

Open, anodised aluminium adapters – for supported shafts



Type	Size
Open	O J U M-01-10
igidur® J	
Liner	
Metric	
Standard	
Inner Ø d1	



- ⁷⁸⁾ According to igus® testing method ▶ Page 1146
- ⁸²⁾ Design tips ▶ Page 1078
- Please note: Installation instructions ▶ Page 1079
- Imperial dimensions ▶ Page 1614

Dimensions [mm]

d1	d2	B	W	a	dn	B1	s	f	h	Part No.
	H7	h10	-1	+0.1	h10	H10	H10	±0.2	-0.5	
10	19	29	7.3	0.0	17.5	21.6	1.30	0	1.2	OJUM-01-10
12	22	32	9.0	3.0	20.5	22.6	1.30	1.33 (7°)	1.2	OJUM-01-12
16	26	36	11.6	2.2	24.2	24.6	1.30	0	1.2	OJUM-01-16
20	32	45	12.0	2.2	29.6	31.2	1.60	0	1.2	OJUM-01-20
25	40	58	14.5	3.0	36.5	43.7	1.85	-1.5 (-4.3°)	1.5	OJUM-01-25
30	47	68	16.6	3.0	43.5	51.7	1.85	2 (4.9°)	2.0	OJUM-01-30
40	62	80	21.0	3.0	57.8	60.3	2.15	1.5 (2.8°)	2.0	OJUM-01-40
50	75	100	25.5	5.0	70.5	77.3	2.65	2.5 (3.8°)	2.0	OJUM-01-50

Technical data

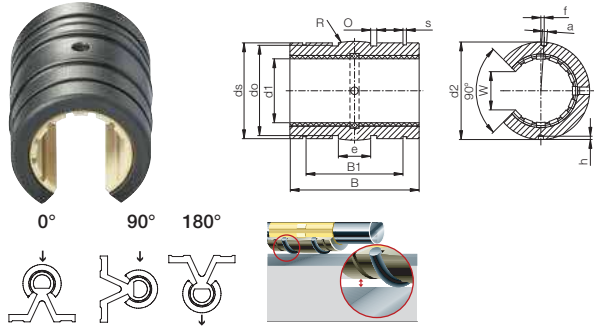
Part No.	d1 tolerance ⁷⁸⁾	Fmax. dynamic ⁸²⁾ p = 5MPa			Fmax. static ⁸²⁾ p = 35MPa			Weight [g]
		0°	90°	180°	0°	90°	180°	
OJUM-01-10	+0.030 +0.088	725	500	196	5,075	3,500	1,370	11
OJUM-01-12	+0.030 +0.088	960	635	240	6,720	4,445	1,680	15
OJUM-01-16	+0.030 +0.088	1,440	990	396	10,080	6,943	2,772	21
OJUM-01-20	+0.030 +0.091	2,250	1,800	900	15,750	12,600	6,300	42
OJUM-01-25	+0.030 +0.091	3,625	2,953	1,523	25,375	20,670	10,658	70
OJUM-01-30	+0.040 +0.110	5,100	4,250	2,278	35,700	29,735	15,946	132
OJUM-01-40	+0.040 +0.115	8,000	6,810	3,800	56,000	47,660	26,660	278
OJUM-01-50	+0.050 +0.150	12,500	10,750	6,125	87,500	75,265	42,875	479

Can be combined with:



Available with drylin® liners (optional: J200/A180):





Type Size

O J U M-03-10

Open	igidur® J	Liner	Metric	Self-aligning	Inner Ø d1
------	-----------	-------	--------	---------------	------------

● With reduced outer diameter, spherical area on the outer diameter, O-rings for elastic seating and hard-anodised surface

- ⁷⁸⁾ According to igus® testing method ▶ Page 1146
- ⁸²⁾ Design tips ▶ Page 1078
- Please note: Installation instructions ▶ Page 1079
- Imperial dimensions ▶ Page 1614

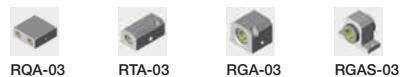
Dimensions [mm]

d1	d2	ds	e	o	do	B1	s	B	R	W	a	f	h	Part No.
H7	h10			+0.1		H10	H10	h10		-1	+0.1	±0.2	-0.5	
10	18.8	18.5	5.0	1.86	15.4	21.8	1.30	28.9	13.0	7.3	0.0	0	1.2	OJUM-03-10
12	21.8	21.5	6.0	1.86	18.4	22.8	1.30	31.9	18.0	9.0	3.0	1.33 (7°)	1.2	OJUM-03-12
16	25.8	25.5	8.0	2.86	20.4	24.9	1.30	35.9	32.0	11.6	2.2	0	1.2	OJUM-03-16
20	31.8	31.5	10.0	2.86	26.4	31.5	1.60	44.8	50.0	12.0	2.2	0	1.2	OJUM-03-20
25	39.8	39.0	12.5	2.86	34.4	44.1	1.85	57.8	39.0	14.5	3.0	-1.5 (-4.3°)	1.5	OJUM-03-25
30	46.7	46.0	15.0	2.86	41.4	52.1	1.85	67.8	57.0	16.6	3.0	2 (4.9°)	2	OJUM-03-30
40	61.7	61.0	20.0	2.86	56.4	60.9	2.15	79.8	100.0	21.0	3.0	1.5 (2.8°)	2	OJUM-03-40
50	74.7	74.0	25.0	2.86	69.4	78.0	2.65	99.8	157.0	25.5	5.0	2.5 (3.8°)	2	OJUM-03-50

Technical data

Part No.	Housing hole Ø H7 [mm]	d1 tolerance ⁷⁸⁾	Fmax. dynamic ⁸²⁾ p = 5MPa			Fmax. static ⁸²⁾ p = 35MPa			Weight [g]
			0°	90°	180°	0°	90°	180°	
			0°	90°	180°	0°	90°	180°	
OJUM-03-10	19	+0.030 +0.088	725	500	196	5,075	3,500	1,370	10
OJUM-03-12	22	+0.030 +0.088	960	635	240	6,720	4,445	1,680	13
OJUM-03-16	26	+0.030 +0.088	1,440	990	396	10,080	6,943	2,772	19
OJUM-03-20	32	+0.030 +0.091	2,250	1,800	900	15,750	12,600	6,300	38
OJUM-03-25	40	+0.030 +0.091	3,625	2,953	1,523	25,375	20,670	10,658	63
OJUM-03-30	47	+0.040 +0.110	5,100	4,250	2,278	35,700	29,735	15,946	119
OJUM-03-40	62	+0.040 +0.115	8,000	6,810	3,800	56,000	47,660	26,600	250
OJUM-03-50	75	+0.050 +0.150	12,500	10,750	6,125	87,500	75,265	42,875	431

Can be combined with:

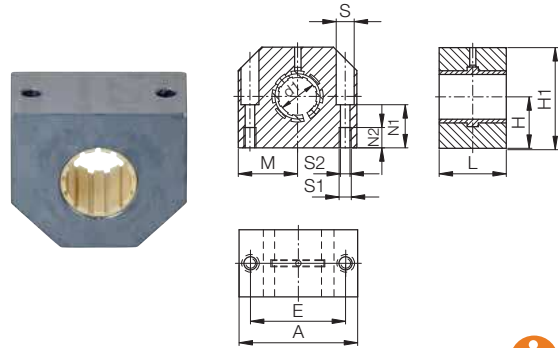


RQA-03 RTA-03 RGA-03 RGAS-03

Available with drylin® liners (optional: J200/A180):



J E7 X



Type	Size
R J U M-05-10	
Closed	
iglidur® J	
Liner	
Metric	
Compact	
Inner Ø d1	

i ⁷⁸⁾ According to igus® testing method ▶ Page 1146
⁸¹⁾ Ø < 10mm use press-fitted sleeve bearings
⁸²⁾ Design tips ▶ Page 1078
Please note: Installation instructions ▶ Page 1079

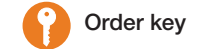
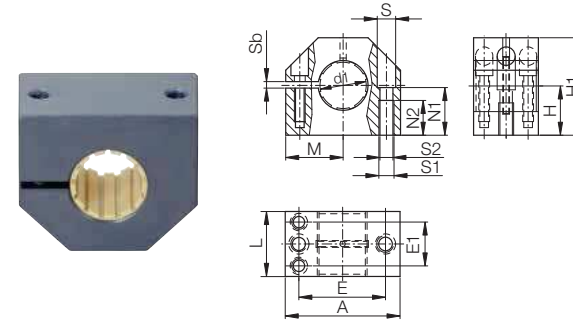
Dimensions [mm]

d1	H	H1	A	M	E	S	S1	S2	N1	N2	L	Part No.
+0.01 -0.014					±0.15							
8	14	27	32	16.0	23	6.0	M4	3.4	13	9	24	RJZM-05-08 ⁸¹⁾
10	16	33	40	20.0	29	8.0	M5	4.3	16	11	26	RJUM-05-10
12	17	33	40	20.0	29	8.0	M5	4.3	16	11	28	RJUM-05-12
16	19	38	45	22.5	34	8.0	M5	4.3	18	11	30	RJUM-05-16
20	23	45	53	26.5	40	9.5	M6	5.3	22	13	30	RJUM-05-20
25	27	54	62	31.0	48	11.0	M8	6.6	26	18	40	RJUM-05-25
30	30	60	67	33.5	53	11.0	M8	6.6	29	18	50	RJUM-05-30
40	39	76	87	43.5	69	15.0	M10	8.4	38	22	60	RJUM-05-40
50	47	92	103	51.5	82	18.0	M12	10.5	46	26	70	RJUM-05-50

Technical data

Part No.	d1 tolerance ⁷⁸⁾ [mm]	Fmax. dynamic ⁸²⁾	Fmax. static ⁸²⁾	Weight [g]
		p = 5MPa [N]	p = 35MPa [N]	
RJZM-05-08 ⁸¹⁾	+0.032 +0.070	960	6,720	46
RJUM-05-10	+0.030 +0.088	650	4,550	71
RJUM-05-12	+0.030 +0.088	840	5,880	78
RJUM-05-16	+0.030 +0.088	1,200	8,400	106
RJUM-05-20	+0.030 +0.091	1,500	10,500	132
RJUM-05-25	+0.030 +0.091	2,500	17,500	253
RJUM-05-30	+0.040 +0.110	3,750	26,250	374
RJUM-05-40	+0.040 +0.115	6,000	42,000	713
RJUM-05-50	+0.050 +0.150	8,750	61,250	1,168

Available with drylin® liners (optional: J200/A180):



Type	Size
R J U M E-05-12	
Closed	
iglidur® J	
Liner	
Metric	
Adjustable	
Compact	
Inner Ø d1	

● With adjustable clearance

i ⁷⁸⁾ According to igus® testing method ▶ Page 1146
⁸²⁾ Design tips ▶ Page 1078
Please note: Installation instructions ▶ Page 1079

Dimensions [mm]

d1	H	H1	A	M	E	E1	S	S1	S2	Sb	N1	N2	L	Part No.
+0.01 -0.014					±0.15	±0.15								
12	17	33	40	20.0	29	18.0	8.0	4.3	M5	2	16	11	28	RJUME-05-12
16	19	38	45	22.5	34	19.0	8.0	4.3	M5	2	18	11	30	RJUME-05-16
20	23	45	53	26.5	40	20.0	9.5	5.3	M6	2	22	13	30	RJUME-05-20
25	27	54	62	31.0	48	25.5	11.0	6.6	M8	2	26	18	40	RJUME-05-25
30	30	60	67	33.5	53	30.5	11.0	6.6	M8	2	29	18	50	RJUME-05-30
40	39	76	87	43.5	69	36.0	15.0	8.4	M10	2	38	22	60	RJUME-05-40
50	47	92	103	51.5	82	44.0	18.0	10.5	M12	2	46	26	70	RJUME-05-50

Technical data

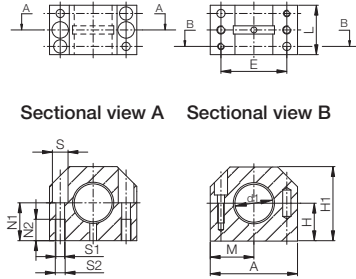
Part No.	d1 tolerance ⁷⁸⁾ [mm]	Fmax. dynamic ⁸²⁾	Fmax. static ⁸²⁾	Weight [g]
		p = 5MPa [N]	p = 35MPa [N]	
RJUME-05-12	Adjustable	840	5,880	78
RJUME-05-16	Adjustable	1,200	8,400	106
RJUME-05-20	Adjustable	1,500	10,500	132
RJUME-05-25	Adjustable	2,500	17,500	253
RJUME-05-30	Adjustable	3,750	26,250	374
RJUME-05-40	Adjustable	6,000	42,000	713
RJUME-05-50	Adjustable	8,750	61,250	1,168

Available with drylin® liners (optional: J200/A180):



drylin® R pillow blocks | Product range

Split anodised aluminium housing, screwed, short design



Order key

Type	Size
T J U M-05-16	
Open	Inner Ø d1
igidur® J	
Liner	
Metric	
Compact	

● Replacement of the liner without removing the shaft

⁷⁸⁾ According to igus® testing method ▶ Page 1146
⁸²⁾ Design tips ▶ Page 1078
 Please note: Installation instructions ▶ Page 1079

Dimensions [mm]

d1	H	H1	A	M	E	S	S1	S2	N1	N2	L	Part No.
	±0.02				±0.15							
16	19	38	45	22.5	34	8.0	M5	4.3	18	11	30	TJUM-05-16
20	23	45	53	26.5	40	9.5	M6	5.3	22	13	30	TJUM-05-20
25	27	54	62	31.0	48	11.0	M8	6.6	26	18	40	TJUM-05-25
30	30	60	67	33.5	53	11.0	M8	6.6	29	18	50	TJUM-05-30
40	39	76	87	43.5	69	15.0	M10	8.4	38	22	60	TJUM-05-40

Technical data

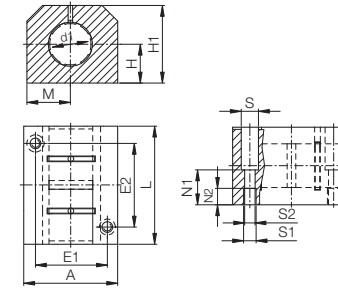
Part No.	d1 tolerance ⁷⁸⁾ [mm]	Fmax. dynamic ⁸²⁾	Fmax. static ⁸²⁾	Weight [g]
		p = 5MPa [N]	p = 35MPa [N]	
TJUM-05-16	+0.030 +0.120	1,200	8,400	105
TJUM-05-20	+0.030 +0.120	1,500	10,500	137
TJUM-05-25	+0.030 +0.120	2,500	17,500	253
TJUM-05-30	+0.040 +0.135	3,750	26,250	377
TJUM-05-40	+0.040 +0.135	6,000	42,000	720

Available with drylin® liners (optional: J200/A180):



drylin® R pillow blocks | Product range

Closed, anodised aluminium housing, tandem design



Order key

Type	Size
R J U M T-05-12	
Closed	Inner Ø d1
igidur® J	
Liner	
Metric	
Tandem	
Compact	

● Tandem design
 ● Equipped with two liners to increase the guide length

⁷⁸⁾ According to igus® testing method ▶ Page 1146
⁸²⁾ Design tips ▶ Page 1078
 Please note: Installation instructions ▶ Page 1079

Dimensions [mm]

d1	H	H1	A	M	E1	E2	S	S1	S2	N1	N2	L	Part No.
	+0.01				±0.15	±0.15							
	-0.014												
12	17	33	40	20	29	35	8.0	M5	4.3	16.0	11	60	RJUMT-05-12
16	19	38	45	22.5	34	40	8.0	M5	4.3	18.0	11	65	RJUMT-05-16
20	23	45	53	26.5	40	45	9.5	M6	5.3	22.0	13	65	RJUMT-05-20
25	27	54	62	31	48	55	11.0	M8	6.6	26.0	18	85	RJUMT-05-25
30	30	60	67	33.5	53	70	11.0	M8	6.6	29.0	18	105	RJUMT-05-30
40	39	76	87	43.5	69	85	15.0	M10	8.4	38.0	22	125	RJUMT-05-40
50	47	92	103	51.5	82	100	18.0	M12	10.5	46.0	26	145	RJUMT-05-50

Technical data

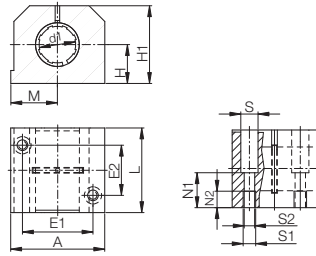
Part No.	d1 tolerance ⁷⁸⁾ [mm]	Fmax. dynamic ⁸²⁾	Fmax. static ⁸²⁾	Weight [g]
		p = 5MPa [N]	p = 35MPa [N]	
RJUMT-05-12	+0.030 +0.088	840	5,880	170
RJUMT-05-16	+0.030 +0.088	1,200	8,400	250
RJUMT-05-20	+0.030 +0.091	1,500	10,500	300
RJUMT-05-25	+0.030 +0.091	2,500	17,500	550
RJUMT-05-30	+0.040 +0.110	3,750	26,250	750
RJUMT-05-40	+0.040 +0.115	6,000	42,000	1,500
RJUMT-05-50	+0.050 +0.150	8,750	61,250	2,400

Available with drylin® liners (optional: J200/A180):



drylin® R pillow blocks | Product range

Closed, anodised aluminium housing, long design



Order key

Type	Size
R J U M-06-12	
Closed	
iglidur® J	
Liner	
Metric	
Long design	
Inner Ø d1	

⁷⁸⁾ According to igus® testing method ▶ Page 1146
⁸²⁾ Design tips ▶ Page 1078
 Please note: Installation instructions ▶ Page 1079

Dimensions [mm]

d1	H	H1	A	M	E1	E2	S	S1	S2	N1	N2	L	Part No.
	+0.01 -0.014			±0.02	±0.15	±0.15							
12	18	35	43	21.5	32	23	8.0	M5	4.3	16.5	11	39	RJUM-06-12
16	22	42	53	26.5	40	26	10.0	M6	5.3	21.0	13	43	RJUM-06-16
20	25	50	60	30.0	45	32	11.0	M8	6.6	24.0	18	54	RJUM-06-20
25	30	60	78	39.0	60	40	15.0	M10	8.4	29.0	22	67	RJUM-06-25
30	35	70	87	43.5	68	45	15.0	M10	8.4	34.0	22	79	RJUM-06-30
40	45	90	108	54.0	86	58	18.0	M12	10.5	44.0	26	91	RJUM-06-40
50	50	105	132	66.0	108	50	20.0	M16	13.5	49.0	34	113	RJUM-06-50

Technical data

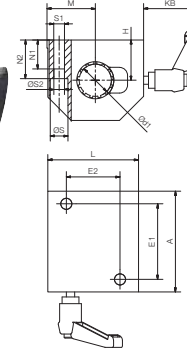
Part No.	d1 tolerance ⁷⁸⁾ [mm]	Fmax. dynamic ⁸²⁾	Fmax. static ⁸²⁾	Weight [g]
		p = 5MPa [N]	p = 35MPa [N]	
RJUM-06-12	+0.030 +0.088	960	6,720	121
RJUM-06-16	+0.030 +0.088	1,440	10,080	211
RJUM-06-20	+0.030 +0.091	2,250	15,750	323
RJUM-06-25	+0.030 +0.091	3,625	25,375	651
RJUM-06-30	+0.040 +0.110	5,100	35,700	1,050
RJUM-06-40	+0.040 +0.115	8,000	56,000	1,820
RJUM-06-50	+0.050 +0.150	12,500	87,500	3,250

Available with drylin® liners (optional: J200/A180):



drylin® R pillow blocks | Product range

Closed, anodised aluminium housing, long design with manual clamp



Order key

Type	Size	Options
R J U M-06-12-HK		
Closed		
iglidur® J		
Liner		
Metric		
Long design		
Inner Ø d1		
Manual clamp		

⁷⁸⁾ According to igus® testing method ▶ Page 1146
⁸²⁾ Design tips ▶ Page 1078
 Please note: Installation instructions ▶ Page 1079

Dimensions [mm]

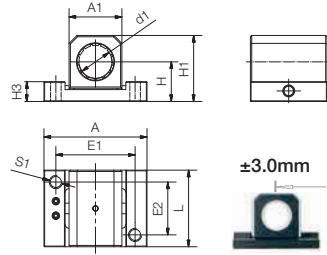
d1	H	H1	A	M	E1	E2	S	S1	S2	N1	N2	W	L	KL	KB	Part No.
	+0.01; -0.014			±0.02	±0.15	±0.15							-1			
12	18	35	43	21.5	32	23	8	M5	4.3	16.5	11	10.2	39	40	33	RJUM-06-12-HK
16	22	42	53	26.5	40	26	10	M6	5.3	21	13	11.6	43	40	33	RJUM-06-16-HK
20	25	50	60	30	45	32	11	M8	6.6	24	18	12	54	40	33	RJUM-06-20-HK
25	30	60	78	39	60	40	15	M10	8.4	29	22	14.5	67	65	46	RJUM-06-25-HK
30	35	70	87	43.5	68	45	15	M10	8.4	34	22	16.6	79	65	46	RJUM-06-30-HK
40	45	90	108	54	86	58	18	M12	10.5	44	26	21	91	65	46	RJUM-06-40-HK
50	50	105	132	66	108	50	20	M16	13.5	49	34	25.5	113	65	46	RJUM-06-50-HK

Technical data

Part No.	d1 tolerance ⁷⁸⁾	Fmax. dynamic ⁸²⁾	Fmax. static ⁸²⁾	Clamp force axial [N]	Weight [g]
		p = 5MPa 0° [N]	p = 35MPa 0° [N]		
RJUM-06-12-HK	+0.030 +0.088	960	6720	400	0.098
RJUM-06-16-HK	+0.030 +0.088	1440	10080	400	0.164
RJUM-06-20-HK	+0.030 +0.091	2250	15750	400	0.275
RJUM-06-25-HK	+0.030 +0.091	3625	25375	1,000	0.544
RJUM-06-30-HK	+0.040 +0.110	5100	35700	1,000	0.832
RJUM-06-40-HK	+0.040 +0.115	8000	56000	1,000	1.513
RJUM-06-50-HK	+0.050 +0.150	12500	87500	1,000	2.568

Available with drylin® liners (optional: J200/A180):





Order key

Type	Size	Options
R J U M-06-12 - LL		
Closed	iglidur® J	Long design
Liner	Metric	Inner Ø d1
Options		Floating bearing

- Compensation of parallelism errors up to 6mm
- Quick assembly even on raw profiles

i ⁷⁸⁾ According to igus® testing method ▶ Page 1146
⁸²⁾ Design tips ▶ Page 1078
 Please note: Installation instructions ▶ Page 1079
 Floating bearing ▶ Page 1078

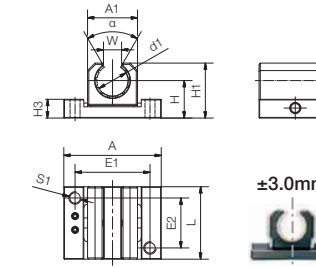
Dimensions [mm]

d1	H	H1	A	E1	E2	S1	L	A1	H3	Part No.
	±0.01			±0.15	±0.15					
12	18	28	43	32	23	M5	32	20	11	RJUM-06-12 LL
16	22	35	53	40	26	M6	36	26	11	RJUM-06-16 LL
20	25	41	60	45	32	M8	45	32	12.5	RJUM-06-20 LL
25	30	50	78	60	40	M10	58	40	15	RJUM-06-25 LL
30	35	59	87	68	45	M10	68	48	15	RJUM-06-30 LL
40	45	76	108	86	58	M12	80	62	20	RJUM-06-40 LL
50	50	89	132	108	50	M16	100	78	24	RJUM-06-50 LL

Technical data

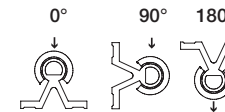
Part No.	d1 tolerance ⁷⁸⁾	Fmax. static or dynamic ⁸²⁾	Weight
	[mm]	[N]	[g]
RJUM-06-12 LL	+0.030 +0.088	560	50
RJUM-06-16 LL	+0.030 +0.088	920	80
RJUM-06-20 LL	+0.030 +0.091	2,100	130
RJUM-06-25 LL	+0.030 +0.091	3,550	280
RJUM-06-30 LL	+0.040 +0.110	5,300	430
RJUM-06-40 LL	+0.040 +0.115	8,000	850
RJUM-06-50 LL	+0.050 +0.150	12,500	1,550

Available with drylin® liners (optional: J200/A180):



Order key

Type	Size	Options
O J U M-06-12 - LL		
Open	iglidur® J	Long design
Liner	Metric	Inner Ø d1
Options		Floating bearing



- Compensation of parallelism errors up to 6mm

i ⁷⁸⁾ According to igus® testing method ▶ Page 1146
⁸²⁾ Design tips ▶ Page 1078
 Please note: Installation instructions ▶ Page 1079
 Floating bearing ▶ Page 1078

Dimensions [mm]

d1	H	H1	A	E1	E2	S1	L	A1	H3	W	α	Part No.
	±0.01			±0.15	±0.15					-1	[°]	
12	18	24.5	43	32	23	M5	32	20	11	10.2	90	OJUM-06-12 LL
16	22	30.5	53	40	26	M6	36	26	11	11.6	90	OJUM-06-16 LL
20	25	37.0	60	45	32	M8	45	32	12.5	12.0	60	OJUM-06-20 LL
25	30	44.0	78	60	40	M10	58	40	15	14.5	60	OJUM-06-25 LL
30	35	52.5	87	68	45	M10	68	48	15	16.8	60	OJUM-06-30 LL
40	45	69.0	108	86	58	M12	80	62	20	21.0	60	OJUM-06-40 LL
50	50	80.0	132	108	50	M16	100	78	24	25.5	60	OJUM-06-50 LL

Technical data

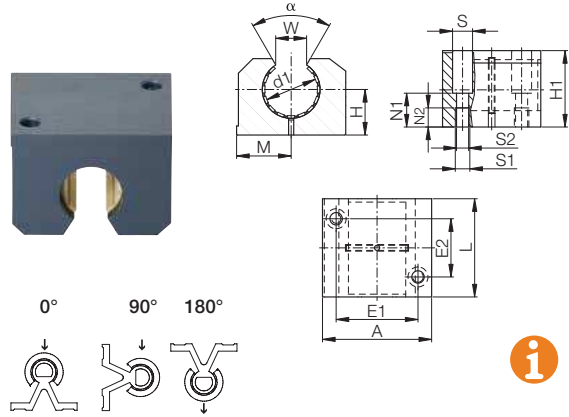
Part No.	d1 tolerance ⁷⁸⁾	Fmax. static or dynamic ⁸²⁾	Fmax. static ⁸²⁾ with load at 180°	Weight
	[mm]	[N]	[N]	[g]
OJUM-06-12 LL	+0.030 +0.088	560	240	40
OJUM-06-16 LL	+0.030 +0.088	920	400	70
OJUM-06-20 LL	+0.030 +0.091	2,100	900	115
OJUM-06-25 LL	+0.030 +0.091	3,550	1,520	240
OJUM-06-30 LL	+0.040 +0.110	5,100	2,280	370
OJUM-06-40 LL	+0.040 +0.115	8,000	3,800	750
OJUM-06-50 LL	+0.050 +0.150	12,500	6,100	1,400

Available with drylin® liners (optional: J200/A180):



drylin® R pillow blocks | Product range

Open, anodised aluminium housing, long design



Order key

Type	Size
O J U M-06-12	
Open	Inner Ø d1
iglidur® J	
Liner	
Metric	
Long design	

⁷⁸⁾ According to igus® testing method ▶ Page 1146
⁸²⁾ Design tips ▶ Page 1078
 Please note: Installation instructions ▶ Page 1079

Dimensions [mm]

d1	H	H1	A	M	E1	E2	S	S1	S2	N1	N2	W	α	L	Part No.
+0.01; -0.014				±0.02	±0.15	±0.15						-1	[°]		
12	18	28	43	21.5	32	23	8.0	M5	4.3	16.5	11	10.2	78	39	OJUM-06-12
16	22	35	53	26.5	40	26	10.0	M6	5.3	21.0	13	11.6	78	43	OJUM-06-16
20	25	42	60	30.0	45	32	11.0	M8	6.6	24.0	18	12.0	60	54	OJUM-06-20
25	30	51	78	39.0	60	40	15.0	M10	8.4	29.0	22	14.5	60	67	OJUM-06-25
30	35	60	87	43.5	68	45	15.0	M10	8.4	34.0	22	16.6	57	79	OJUM-06-30
40	45	77	108	54.0	86	58	18.0	M12	10.5	44.0	26	21.0	56	91	OJUM-06-40
50	50	88	132	66.0	108	50	20.0	M16	13.5	49.0	34	25.5	54	113	OJUM-06-50

Technical data

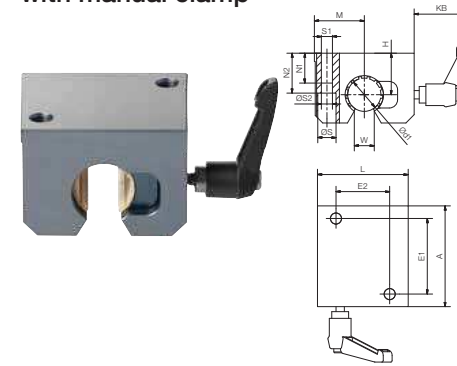
Part No.	d1 tolerance ⁷⁸⁾			Fmax. dynamic ⁸²⁾ p = 5MPa			Fmax. static ⁸²⁾ p = 35MPa			Weight [g]
	+0.030	+0.088	960	635	240	6,720	4,445	1,680		
									0°	
OJUM-06-12	+0.030	+0.088	960	635	240	6,720	4,445	1,680	95	
OJUM-06-16	+0.030	+0.088	1440	990	396	10,080	6,943	2,772	158	
OJUM-06-20	+0.030	+0.091	2250	1,800	900	15,750	12,600	6,300	266	
OJUM-06-25	+0.030	+0.091	3625	2,953	1,523	25,375	20,670	10,658	530	
OJUM-06-30	+0.040	+0.110	5100	4,250	2,278	35,700	29,735	15,946	818	
OJUM-06-40	+0.040	+0.115	8000	6,810	3,800	56,000	47,660	26,600	1,485	
OJUM-06-50	+0.050	+0.150	12,500	10,750	6,125	87,500	75,265	42,875	2,750	

Available with drylin® liners (optional: J200/A180):



drylin® R pillow blocks | Product range

Open, anodised aluminium housing, long design with manual clamp



Order key

Type	Size	Options
O J U M-06-12-HK		
Open	Inner Ø d1	Manual clamp
iglidur® J		
Liner		
Metric		
Long design		

⁷⁸⁾ According to igus® testing method ▶ Page 1146
⁸²⁾ Design tips ▶ Page 1078
 Please note: Installation instructions ▶ Page 1079

Dimensions [mm]

d1	H	H1	A	M	E1	E2	S	S1	S2	N1	N2	W	L	KL	KB	Part No.
+0.01; -0.014				±0.02	±0.15	±0.15						-1				
12	18	28	43	21.5	32	23	8	M5	4.3	16.5	11	10.2	39	40	33	OJUM-06-12-HK
16	22	35	53	26.5	40	26	10	M6	5.3	21	13	11.6	43	40	33	OJUM-06-16-HK
20	25	42	60	30.0	45	32	11	M8	6.6	24	18	12.0	54	40	33	OJUM-06-20-HK
25	30	51	78	39.0	60	40	15	M10	8.4	29	22	14.5	67	65	46	OJUM-06-25-HK
30	35	60	87	43.5	68	45	15	M10	8.4	34	22	16.6	79	65	46	OJUM-06-30-HK
40	45	77	108	54.0	86	58	18	M12	10.5	44	26	21.0	91	65	46	OJUM-06-40-HK
50	50	88	132	66.0	108	50	20	M16	13.5	49	34	25.5	113	65	46	OJUM-06-50-HK

Technical data

Part No.	d1 tolerance ⁷⁸⁾			Fmax. dynamic ⁸²⁾ p = 5MPa			Fmax. static ⁸²⁾ p = 35MPa			Clamp force axial [N]	Weight [g]
	+0.030	+0.088	960	635	240	6,720	4,445	1,680			
									0°		
OJUM-06-12-HK	+0.030	+0.088	960	635	240	6,720	4,445	1,680	400	0.098	
OJUM-06-16-HK	+0.030	+0.088	1440	990	396	10,080	6,943	2,772	400	0.164	
OJUM-06-20-HK	+0.030	+0.091	2250	1,800	900	15,750	12,600	6,300	400	0.275	
OJUM-06-25-HK	+0.030	+0.091	3625	2,953	1,523	25,375	20,670	10,658	1,000	0.544	
OJUM-06-30-HK	+0.040	+0.110	5100	4,250	2,278	35,700	29,735	15,946	1,000	0.832	
OJUM-06-40-HK	+0.040	+0.115	8000	6,810	3,800	56,000	47,660	26,600	1,000	1.513	
OJUM-06-50-HK	+0.050	+0.150	12,500	10,750	6,125	87,500	75,265	42,875	1,000	2.568	

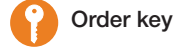
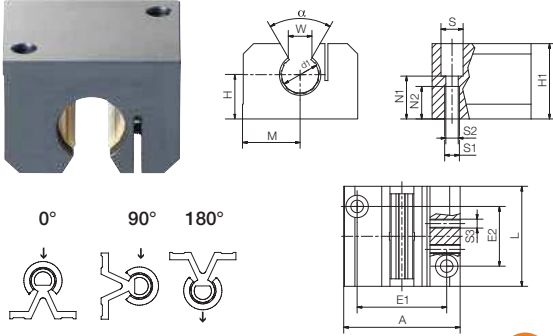
Available with drylin® liners (optional: J200/A180):



drylin® R pillow blocks | Product range

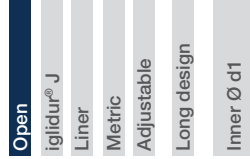
Open, anodised aluminium housing, long design, adjustable

My sketches



Type Size

O J U M E-06-12



● With two set screws (DIN 913), clearance adjustment possible



⁷⁸⁾ According to igus® testing method ▶ Page 1146

⁸²⁾ Design tips ▶ Page 1078

Please note: Installation instructions ▶ Page 1079

Dimensions [mm]

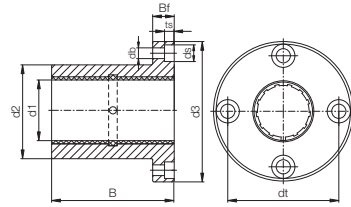
d1	H	H1	A	M	E1	E2	S	S1	S2	S3	N1	N2	W	α	L	Part No.
+0.01; -0.014				±0.02	±0.15	±0.15							-1	[°]		
12	18	28	43	21.5	32	23	8.0	M5	4.3	M4	16.5	11	10.2	78	39	OJUME-06-12
16	22	35	53	26.5	40	26	10.0	M6	5.3	M4	21.0	13	11.6	78	43	OJUME-06-16
20	25	42	60	30.0	45	32	11.0	M8	6.6	M5	24.0	18	12.0	60	54	OJUME-06-20
25	30	51	78	39.0	60	40	15.0	M10	8.4	M6	29.0	22	14.5	60	67	OJUME-06-25
30	35	60	87	43.5	68	45	15.0	M10	8.4	M6	34.0	22	16.6	57	79	OJUME-06-30
40	45	77	108	54.0	86	58	18.0	M12	10.5	M8	44.0	26	21.0	56	91	OJUME-06-40
50	50	88	132	66.0	108	50	20.0	M16	13.5	M8	49.0	34	25.5	54	113	OJUME-06-50

Technical data

Part No.	d1 tolerance ⁷⁸⁾	Fmax. dynamic ⁸²⁾			Fmax. static ⁸²⁾			Weight [g]
		p = 5MPa			p = 35MPa			
		0°	90°	180°	0°	90°	180°	
OJUME-06-12	Adjustable	960	635	240	6,720	4,445	1,680	100
OJUME-06-16	Adjustable	1,440	990	396	10,080	6,943	2,772	160
OJUME-06-20	Adjustable	2,250	1,800	900	15,750	12,600	6,300	270
OJUME-06-25	Adjustable	3,625	2,953	1,523	25,375	20,670	10,658	530
OJUME-06-30	Adjustable	5,100	4,250	2,278	35,700	29,735	15,946	820
OJUME-06-40	Adjustable	8,000	6,810	3,800	56,000	47,660	26,600	1,490
OJUME-06-50	Adjustable	12,500	10,750	6,125	87,500	75,265	42,875	2,750

Available with drylin® liners (optional: J200/A180):





i ⁷⁸⁾ According to igus® testing method ► Page 1146
⁸²⁾ Design tips ► Page 1078
 Please note: Installation instructions ► Page 1079

Dimensions [mm]

d1	d2 h7	d3	dt	B	Bf	ts	db	ds	Part No.
8.0	16	32	24	25	8	3.1	3.5	6.0	FJZM-01-08
10.0	19	39	29	29	9	4.1	4.5	7.5	FJUM-01-10
10.4	19	39	29	29	9	4.1	4.5	7.5	FJUM-01-10-LL
12.0	22	42	32	32	9	4.1	4.5	7.5	FJUM-01-12
12.4	22	42	32	32	9	4.1	4.5	7.5	FJUM-01-12-LL
16.0	26	46	36	36	9	4.1	4.5	7.5	FJUM-01-16
16.4	26	46	36	36	9	4.1	4.5	7.5	FJUM-01-16-LL
20.0	32	54	43	45	11	5.1	5.5	9.0	FJUM-01-20
20.5	32	54	43	45	11	5.1	5.5	9.0	FJUM-01-20-LL
25.0	40	62	51	58	11	5.1	5.5	9.0	FJUM-01-25
25.5	40	62	51	58	11	5.1	5.5	9.0	FJUM-01-25-LL
30.0	47	76	62	68	14	6.1	6.6	11.0	FJUM-01-30
30.6	47	76	62	68	14	6.1	6.6	11.0	FJUM-01-30-LL
40.0	62	98	80	80	18	8.1	9.0	14.0	FJUM-01-40
50.0	75	112	94	100	18	8.1	9.0	14.0	FJUM-01-50

Available with drylin® liners (optional: J200/A180):



J

E7

X



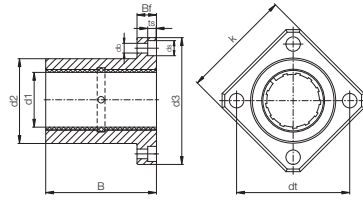
Order key

Type	Size
F J U M-01-10-LL	
With flange	
iglidur® J	
Liner	
Metric	
Round design	
Inner Ø d1	

Option:
LL: Floating bearing

Technical data

Part No.	d1 tolerance ⁷⁸⁾	Fmax. dynamic ⁸²⁾	Fmax. static ⁸²⁾	Weight
	[mm]	p = 5MPa [N]	p = 35MPa [N]	
FJZM-01-08	+0.032 +0.070	960	6,720	20
FJUM-01-10	+0.030 +0.088	725	5,075	32
FJUM-01-10-LL	+0.030 +0.088	725	5,075	32
FJUM-01-12	+0.030 +0.088	960	6,720	42
FJUM-01-12-LL	+0.030 +0.088	960	6,720	42
FJUM-01-16	+0.030 +0.088	1,440	10,080	51
FJUM-01-16-LL	+0.030 +0.088	1,440	10,080	51
FJUM-01-20	+0.030 +0.091	2,250	15,750	88
FJUM-01-20-LL	+0.030 +0.091	2,250	15,750	88
FJUM-01-25	+0.030 +0.091	3,625	25,375	152
FJUM-01-25-LL	+0.030 +0.091	3,625	25,375	152
FJUM-01-30	+0.040 +0.110	5,100	35,700	266
FJUM-01-30-LL	+0.040 +0.110	5,100	35,700	266
FJUM-01-40	+0.040 +0.115	8,000	56,000	552
FJUM-01-50	+0.050 +0.150	12,500	87,500	853



⁷⁸⁾ According to igus® testing method ► Page 1146

⁸²⁾ Design tips ► Page 1078

Please note: Installation instructions ► Page 1079

Dimensions [mm]

d1 ±0.01	d2 h7	d3	dt ±0.15	k ±0.15	B	Bf	ts	db	ds	Part No.
8.0	16	32	24	25	25	8	3.1	3.5	6.0	FJZM-02-08 ⁸²⁾
10.0	19	39	29	30	29	9	4.1	4.5	7.5	FJUM-02-10
10.4	19	39	29	30	29	9	4.1	4.5	7.5	FJUM-02-10-LL
12.0	22	42	32	32	32	9	4.1	4.5	7.5	FJUM-02-12
12.4	22	42	32	32	32	9	4.1	4.5	7.5	FJUM-02-12-LL
16.0	26	46	36	35	36	9	4.1	4.5	7.5	FJUM-02-16
16.4	26	46	36	35	36	9	4.1	4.5	7.5	FJUM-02-16-LL
20.0	32	54	43	42	45	11	5.1	5.5	9.0	FJUM-02-20
20.5	32	54	43	42	45	11	5.1	5.5	9.0	FJUM-02-20-LL
25.0	40	62	51	50	58	11	5.1	5.5	9.0	FJUM-02-25
25.5	40	62	51	50	58	11	5.1	5.5	9.0	FJUM-02-25-LL
30.0	47	76	62	60	68	14	6.1	6.6	11.0	FJUM-02-30
30.6	47	76	62	60	68	14	6.1	6.6	11.0	FJUM-02-30-LL
40.0	62	98	80	75	80	18	8.1	9.0	14.0	FJUM-02-40
50.0	75	112	94	88	100	18	8.1	9.0	14.0	FJUM-02-50

Available with drylin® liners (optional: J200/A180):



J



E7



X



Order key

Type

Size

F J U M-02-10-LL



Option:

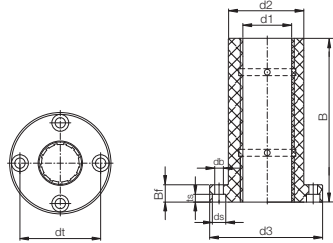
LL: Floating bearing

Technical data

Part No.	d1 tolerance ⁷⁸⁾	Fmax. static or dynamic ⁸²⁾	Fmax. static ⁸²⁾ with load at 180°	Weight
	[mm]			
FJZM-02-08 ⁸²⁾	+0.032 +0.070	960	6,720	17
FJUM-02-10	+0.030 +0.088	725	5,075	25
FJUM-02-10-LL	+0.030 +0.088	725	5,075	25
FJUM-02-12	+0.030 +0.088	960	6,720	32
FJUM-02-12-LL	+0.030 +0.088	960	6,720	32
FJUM-02-16	+0.030 +0.088	1,440	10,080	41
FJUM-02-16-LL	+0.030 +0.088	1,440	10,080	41
FJUM-02-20	+0.030 +0.091	2,250	15,750	73
FJUM-02-20-LL	+0.030 +0.091	2,250	15,750	73
FJUM-02-25	+0.030 +0.091	3,625	25,375	135
FJUM-02-25-LL	+0.030 +0.091	3,625	25,375	135
FJUM-02-30	+0.040 +0.110	5,100	35,700	228
FJUM-02-30-LL	+0.040 +0.110	5,100	35,700	228
FJUM-02-40	+0.040 +0.115	8,000	56,000	454
FJUM-02-50	+0.050 +0.150	12,500	87,500	735

drylin® R flanged linear plain bearings | Product range

Closed, anodised aluminium adapter, round flange, tandem design



- Equipped with two liners to increase the guide length

i ⁷⁸⁾ According to igus® testing method ► Page 1146
⁸⁹⁾ Fitted with two pieces of JSM-0810-16
 Please note: Installation instructions ► Page 1079

Dimensions [mm]

d1	d2 h7	d3	dt	B	Bf	ts	db	ds	Part No.
8.0	16	32	24	45	8	3.1	3.5	6.0	FJZMT-01-08 ⁸⁹⁾
10.0	19	39	29	52	9	4.1	4.5	7.5	FJUMT-01-10
10.4	19	39	29	52	9	4.1	4.5	7.5	FJUMT-01-10-LL
12.0	22	42	32	57	9	4.1	4.5	7.5	FJUMT-01-12
12.4	22	42	32	57	9	4.1	4.5	7.5	FJUMT-01-12-LL
16.0	26	46	36	70	9	4.1	4.5	7.5	FJUMT-01-16
16.4	26	46	36	70	9	4.1	4.5	7.5	FJUMT-01-16-LL
20.0	32	54	43	80	11	5.1	5.5	9.0	FJUMT-01-20
20.5	32	54	43	80	11	5.1	5.5	9.0	FJUMT-01-20-LL
25.0	40	62	51	112	11	5.1	5.5	9.0	FJUMT-01-25
25.5	40	62	51	112	11	5.1	5.5	9.0	FJUMT-01-25-LL
30.0	47	76	62	123	14	6.1	6.6	11.0	FJUMT-01-30
30.6	47	76	62	123	14	6.1	6.6	11.0	FJUMT-01-30-LL
40.0	62	98	80	151	18	8.1	9.0	14.0	FJUMT-01-40
50.0	75	112	94	192	18	8.1	9.0	14.0	FJUMT-01-50

Available with drylin® liners (optional: J200/A180):



J

E7

X

drylin® R flanged linear plain bearings | Product range



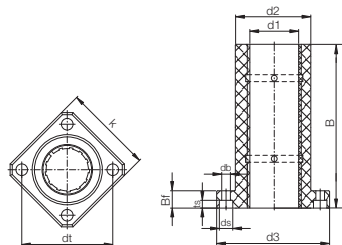
Order key

Type	Size
F J U M T-01-10-LL	
With flange	
iglidur® J	
Liner	
Metric	
Tandem	
Round design	
Inner Ø d1	

Option:
LL: Floating bearing

Technical data

Part No.	Dimension nominal	d1 tolerance ⁷⁸⁾	Guide length	Projected bearing surface	Weight
	diameter	[mm]			
FJZMT-01-08 ⁸⁹⁾	8	+0.032 +0.070	45	256	27.13
FJUMT-01-10	10	+0.030 +0.088	52	250	43.75
FJUMT-01-10-LL	10	+0.030 +0.088	52	250	43.75
FJUMT-01-12	12	+0.030 +0.088	57	324	57.00
FJUMT-01-12-LL	12	+0.030 +0.088	57	324	57.00
FJUMT-01-16	16	+0.030 +0.088	70	464	78.28
FJUMT-01-16-LL	16	+0.030 +0.088	70	464	78.28
FJUMT-01-20	20	+0.030 +0.091	80	580	126.42
FJUMT-01-20-LL	20	+0.030 +0.091	80	580	126.42
FJUMT-01-25	25	+0.030 +0.091	112	975	248.85
FJUMT-01-25-LL	25	+0.030 +0.091	112	975	248.85
FJUMT-01-30	30	+0.040 +0.110	123	1,470	388.37
FJUMT-01-30-LL	30	+0.040 +0.110	123	1,470	388.37
FJUMT-01-40	40	+0.040 +0.115	151	2,360	835.00
FJUMT-01-50	50	+0.050 +0.150	192	3,450	1,352.30



- Equipped with two liners to increase the guide length

i ⁷⁸⁾ According to igus® testing method ► Page 1146

⁸⁹⁾ Fitted with two pieces of JSM-0810-16

Please note: Installation instructions ► Page 1079

Dimensions [mm]

d1	d2 h7	d3	dt	k	B	Bf	ts	db	ds	Part No.
8.0	16	32	24	25	45	8	3.1	3.5	6.0	FJZMT-02-08 ⁸⁹⁾
10.0	19	39	29	30	52	9	4.1	4.5	7.5	FJUMT-02-10
10.4	19	39	29	30	52	9	4.1	4.5	7.5	FJUMT-02-10-LL
12.0	22	42	32	32	57	9	4.1	4.5	7.5	FJUMT-02-12
12.4	22	42	32	32	57	9	4.1	4.5	7.5	FJUMT-02-12-LL
16.0	26	46	36	35	70	9	4.1	4.5	7.5	FJUMT-02-16
16.4	26	46	36	35	70	9	4.1	4.5	7.5	FJUMT-02-16-LL
20.0	32	54	43	42	80	11	5.1	5.5	9.0	FJUMT-02-20
20.5	32	54	43	42	80	11	5.1	5.5	9.0	FJUMT-02-20-LL
25.0	40	62	51	50	112	11	5.1	5.5	9.0	FJUMT-02-25
25.5	40	62	51	50	112	11	5.1	5.5	9.0	FJUMT-02-25-LL
30.0	47	76	62	60	123	14	6.1	6.6	11.0	FJUMT-02-30
30.6	47	76	62	60	123	14	6.1	6.6	11.0	FJUMT-02-30-LL
40.0	62	98	80	75	151	18	8.1	9.0	14.0	FJUMT-02-40
50.0	75	112	94	88	192	18	8.1	9.0	14.0	FJUMT-02-50

Available with drylin® liners (optional: J200/A180):



J



E7



X



Order key

Type	Size
F J U M T-02-10-LL	
With flange	
iglidur® J	
Liner	
Metric	
Tandem	
Square design	
Inner Ø d1	

Option:

LL: Floating bearing

Technical data

Part No.	Dimension nominal diameter [mm]	d1 tolerance ⁷⁸⁾ [mm]	Guide length [mm]	Projected bearing surface	
				[N]	[g]
FJZMT-02-08 ⁸⁹⁾	8	+0.032 +0.070	45	256	23.00
FJUMT-02-10	10	+0.030 +0.088	52	250	36.58
FJUMT-02-10-LL	10	+0.030 +0.088	52	250	36.58
FJUMT-02-12	12	+0.030 +0.088	57	324	48.19
FJUMT-02-12-LL	12	+0.030 +0.088	57	324	48.19
FJUMT-02-16	16	+0.030 +0.088	70	464	67.79
FJUMT-02-16-LL	16	+0.030 +0.088	70	464	67.79
FJUMT-02-20	20	+0.030 +0.091	80	580	110.06
FJUMT-02-20-LL	20	+0.030 +0.091	80	580	110.06
FJUMT-02-25	25	+0.030 +0.091	112	975	230.06
FJUMT-02-25-LL	25	+0.030 +0.091	112	975	230.06
FJUMT-02-30	30	+0.040 +0.110	123	1,470	350.74
FJUMT-02-30-LL	30	+0.040 +0.110	123	1,470	350.74
FJUMT-02-40	40	+0.040 +0.115	151	2,360	739.30
FJUMT-02-50	50	+0.050 +0.150	192	3,450	1,249.30

Order key

Type	Option	Size
RQA-01-10		
Quad block with RJUM bearings	Aluminium housing	Standard with RJUM-01
		Inner Ø d1

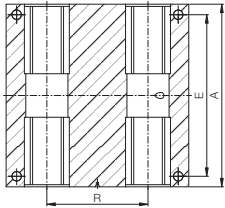
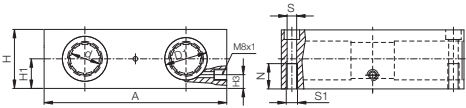
Options:

- 01: Standard with RJUM-01
- 03: with RJUM-03
- 04: with RJM-01

Please note:
Installation instructions
► Page 1079



- Housing: Aluminium, equipped with four drylin® R linear plain bearings



Dimensions [mm]

d	D1	A	H	H1	H3	R	N	E	S	S1	Part No. Standard with RJUM-01	Self-aligning with RJUM-03	Solid plastic bearings with RJM-01
8	16	65	23	11.5	8	32	11	55	4.3	M5	RQA-01-08	–	RQA-04-08
10	19	70	25	12.5	10	34	13	60	4.3	M5	RQA-01-10	RQA-03-10	RQA-04-10
12	22	85	32	16	13	42	13	73	5.3	M6	RQA-01-12	RQA-03-12	RQA-04-12
16	26	100	36	18	15	54	13	88	5.3	M6	RQA-01-16	RQA-03-16	RQA-04-16
20	32	130	46	23	19	72	18	115	6.6	M8	RQA-01-20	RQA-03-20	RQA-04-20
25	40	160	56	28	24	88	22	140	8.4	M10	RQA-01-25	RQA-03-25	RQA-04-25
30	47	180	64	32	27	96	26	158	10.5	M12	RQA-01-30	RQA-03-30	RQA-04-30
40	62	230	80	40	35	122	34	202	13.5	M16	RQA-01-40	RQA-03-40	RQA-04-40

Are equipped with:



Available with drylin® liners (optional: J200/A180):



Order key

Type	Option	Size
OQA-01-12		
Quad block with OJUM bearings	Aluminium housing	Standard with OJUM-01
		Inner Ø d1

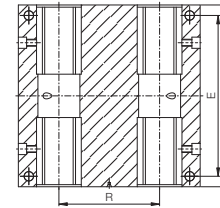
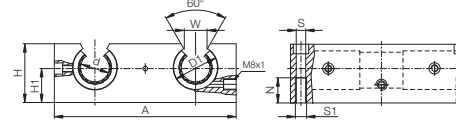
Options:

- 01: Standard with OJUM-01
- 03: with OJUM-03

Please note:
Installation instructions
► Page 1079



- Housing: Aluminium, equipped with four drylin® R linear plain bearings



Dimensions [mm]

d	D1	A	H	H1	W	R	N	E	S	S1	Part No. Standard with OJUM-01	Self-aligning with OJUM-03
12	22	85	30	18	14	42	13	73	5.3	M6	OQA-01-12	OQA-03-12
16	26	100	35	22	17	54	13	88	5.3	M6	OQA-01-16	OQA-03-16
20	32	130	42	25	17	72	18	115	6.8	M8	OQA-01-20	OQA-03-20
25	40	160	51	30	21	88	22	140	9.0	M10	OQA-01-25	OQA-03-25
30	47	180	60	35	21	96	26	158	10.5	M12	OQA-01-30	OQA-03-30
40	62	230	77	45	27	122	34	202	13.5	M16	OQA-01-40	OQA-03-40

Are equipped with:



Available with drylin® liners (optional: J200/A180):





Order key

Type	Option	Size
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RTA - 01 - 08

Tandem housing with RJUM bearings	Aluminium housing	Standard with RJUM-01	Inner Ø
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Options:

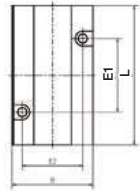
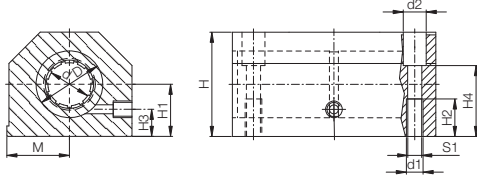
- 01: Standard with RJUM-01
- 03: with RJUM-03
- 04: with RJM-01



Please note:
Installation instructions
▶ Page 1079



- Housing: Aluminium, equipped with two drylin® R linear plain bearings to increase the guide length



Dimensions [mm]

d	D	H	H1	H2	H3	H4	S1	B	L	M	E1	E2	d1	d2	Part No.	Self-aligning	Solid plastic bearings
	H6		+0.01						+0.3	±0.02	±0.15	±0.15			Standard with RJUM-01	aligning with RJUM-03	with RJM-01
			-0.02														
8	16	28	13	13	8	23	M5	35	62	17.5	35	25	4.20	8	RTA-01-08	-	RTA-04-08
12	22	35	18	13	10	25	M6	43	76	21.5	40	30	5.20	10	RTA-01-12	RTA-03-12	RTA-04-12
16	26	42	22	13	12	30	M6	53	84	26.5	45	36	5.20	10	RTA-01-16	RTA-03-16	RTA-04-16
20	32	50	25	18	13	34	M8	60	104	30.0	55	45	6.80	11	RTA-01-20	RTA-03-20	RTA-04-20
25	40	60	30	22	15	40	M10	78	130	39.0	70	54	8.60	15	RTA-01-25	RTA-03-25	RTA-04-25
30	47	70	35	26	16	48	M12	87	152	43.5	85	62	10.30	18	RTA-01-30	RTA-03-30	RTA-04-30
40	62	90	45	34	20	60	M16	108	176	54.0	100	80	14.25	20	RTA-01-40	RTA-03-40	RTA-04-40

Are equipped with:



Available with drylin® liners (optional: J200/A180):



Order key

Type	Option	Size
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OTA - 01 - 12

Tandem housing with OJUM bearings	Aluminium housing	Standard with OJUM-01	Inner Ø
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Options:

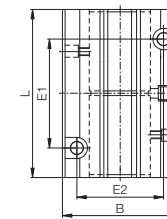
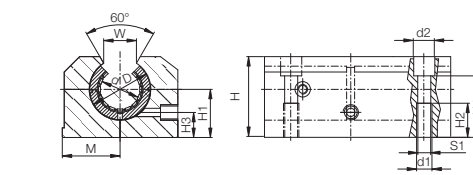
- 01: Standard with OJUM-01
- 03: with OJUM-03



Please note:
Installation instructions
▶ Page 1079



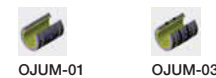
- Housing: Aluminium, equipped with two drylin® R linear plain bearings to increase the guide length



Dimensions [mm]

d	D	H	H1	H2	H3	H4	S1	B	L	M	E1	E2	d1	d2	W	Part No.	Self-aligning
	H6		+0.01						+0.3	±0.02	±0.15	±0.15				Standard with OJUM-01	aligning with OJUM-03
			-0.02														
12	22	30	18	13	10	25	M6	43	76	21.5	40	30	5.20	10	14	OTA-01-12	OTA-03-12
16	26	35	22	13	12	30	M6	53	84	26.5	45	36	5.20	10	17	OTA-01-16	OTA-03-16
20	32	42	25	18	13	34	M8	60	104	30.0	55	45	6.80	11	17	OTA-01-20	OTA-03-20
25	40	51	30	22	15	40	M10	78	130	39.0	70	54	8.60	15	21	OTA-01-25	OTA-03-25
30	47	60	35	26	16	48	M12	87	152	43.5	85	62	10.30	18	21	OTA-01-30	OTA-03-30
40	62	77	45	34	20	60	M16	108	176	54.0	100	80	14.25	20	27	OTA-01-40	OTA-03-40

Are equipped with:



Available with drylin® liners (optional: J200/A180):



Order key

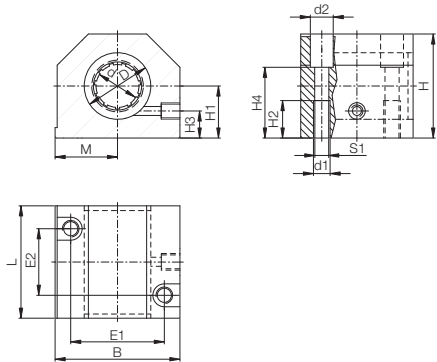
Type	Option	Size
Linear housing with RJUM bearing	Aluminium housing	Standard with RJUM-01
		Inner Ø

Options:
01: Standard with RJUM-01
03: with RJUM-03
04: with RJM-01

Please note:
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● Housing: Aluminium, equipped with drylin® R linear plain bearings



Dimensions [mm]

d	D	H	H1	H2	H3	H4	S1	B	L	M	E1	E2	d1	d2	Part No.	Self-aligning	Solid plastic bearings
	H6	+0.01							±0.3	±0.02	±0.15	±0.15			Standard	aligning	with bearings
		-0.02													with RJUM-01	with RJUM-03	with RJM-01
8	16	28	13	10	8	14	M4	35	32	17.5	25	20	3.2	6	RGA-01-08	-	RGA-04-08
12	22	35	18	11	10	25	M5	43	39	21.5	32	23	4.2	6	RGA-01-12	RGA-03-12	RGA-04-12
16	26	42	22	13	12	30	M6	53	43	26.5	40	26	5.2	10	RGA-01-16	RGA-03-16	RGA-04-16
20	32	50	25	18	13	34	M8	60	54	30.0	45	32	6.8	11	RGA-01-20	RGA-03-20	RGA-04-20
25	40	60	30	22	15	40	M10	78	67	39.0	60	40	8.6	15	RGA-01-25	RGA-03-25	RGA-04-25
30	47	70	35	22	16	48	M10	87	79	43.5	68	45	8.6	15	RGA-01-30	RGA-03-30	RGA-04-30
40	62	90	45	26	20	60	M12	108	91	54.0	86	58	10.3	18	RGA-01-40	RGA-03-40	RGA-04-40

Are equipped with:



Available with drylin® liners (optional: J200/A180):



Order key

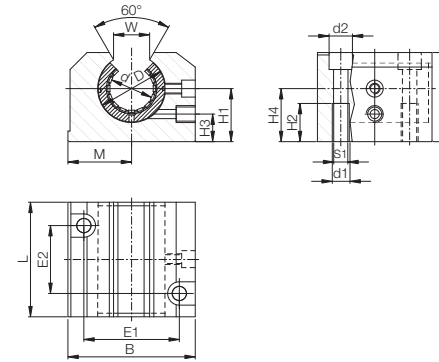
Type	Option	Size
Linear housing with OJUM bearing	Aluminium housing	Standard with OJUM-01
		Inner Ø

Options:
01: Standard with OJUM-01
03: with OJUM-03

Please note:
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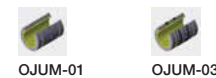
● Housing: Aluminium, equipped with drylin® R linear plain bearings



Dimensions [mm]

d	D	H	H1	H2	H3	H4	S1	B	L	M	E1	E2	d1	d2	W	Part No.	Self-aligning
	H6	+0.01							±0.3	±0.02	±0.15	±0.15			+0.6	Standard	aligning
		-0.02														with OJUM-01	with OJUM-03
12	22	28	18	11	8	25	M5	43	39	21.5	32	23	4.2	8	14	OGA-01-12	OGA-03-12
16	26	35	22	13	12	30	M6	53	43	26.5	40	26	5.2	10	17	OGA-01-16	OGA-03-16
20	32	42	25	18	13	34	M8	60	54	30.0	45	32	6.8	11	17	OGA-01-20	OGA-03-20
25	40	51	30	22	15	40	M10	78	67	39.0	60	40	8.6	15	21	OGA-01-25	OGA-03-25
30	47	60	35	22	16	48	M10	87	79	43.5	68	45	8.6	15	21	OGA-01-30	OGA-03-30
40	62	77	45	26	20	60	M12	108	91	54.0	86	58	10.3	18	27	OGA-01-40	OGA-03-40

Are equipped with:



Available with drylin® liners (optional: J200/A180):



Order key

Type	Option	Size
Linear housing with RJUM bearing	Aluminium housing	Small
Standard with RJUM-01		Inner Ø

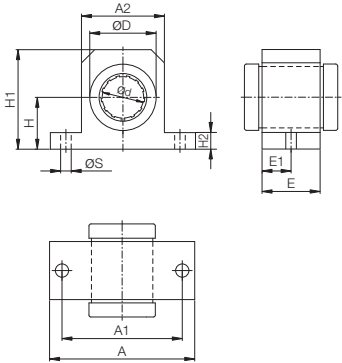
Options:

- 01: Standard with RJUM-01
- 03: with RJUM-03
- 04: with RJM-01

Please note:
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- Housing: Aluminium, equipped with drylin® R linear plain bearings
- Variations:
Standard: RGAS-01-Ø
Self-aligning: RGAS-03-Ø
Solid plastic bearing (cost-effective, lightweight): RGAS-04-Ø



Dimensions [mm]

d	D	H	H1	H2	A	A1	A2	E	E1	S	Part No. Standard with RJUM-01	Self-aligning with RJUM-03	Solid plastic bearings with RJM-01
12	22	18	35.0	6	52	42	30	20	10	5.3	RGAS-01-12	RGAS-03-12	RGAS-04-12
16	26	22	40.5	7	56	46	34	22	11	5.3	RGAS-01-16	RGAS-03-16	RGAS-04-16
20	32	25	48.0	8	70	58	40	28	14	6.4	RGAS-01-20	RGAS-03-20	RGAS-04-20
25	40	30	58.0	10	80	68	50	40	20	6.4	RGAS-01-25	RGAS-03-25	RGAS-04-25
30	47	35	67.0	10	88	76	58	48	24	6.4	RGAS-01-30	RGAS-03-30	RGAS-04-30
40	62	45	85.0	12	108	94	74	56	28	8.4	RGAS-01-40	RGAS-03-40	RGAS-04-40

Are equipped with:



Available with drylin® liners (optional: J200/A180):



Order key

Type	Option	Size
Linear housing with OJUM bearing	Aluminium housing	Small
Standard with OJUM-01		Inner Ø

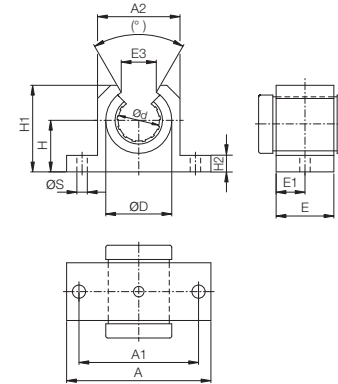
Options:

- 01: Standard with OJUM-01
- 03: with OJUM-03

Please note:
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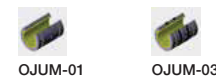
- Housing: Aluminium, equipped with drylin® R linear plain bearings
- Variations:
Standard: OGAS-01-Ø
Self-aligning: OGAS-03-Ø



Dimensions [mm]

d	D	H	H1	H2	A	A1	A2	E	E1	E3 (°)	S	Part No. Standard with OJUM-01	Self-aligning with OJUM-03	
12	22	18	28	6	52	42	30	20	10	14	78	5.3	OGAS-01-12	OGAS-03-12
16	26	22	33.5	7	56	46	34	22	11	17	78	5.3	OGAS-01-16	OGAS-03-16
20	32	25	42	8	70	58	40	28	14	17	60	6.4	OGAS-01-20	OGAS-03-20
25	40	30	51	10	80	68	50	40	20	21	60	6.4	OGAS-01-25	OGAS-03-25
30	47	35	60	10	88	76	58	48	24	21	54	6.4	OGAS-01-30	OGAS-03-30
40	62	45	77	12	108	94	74	56	28	27	54	8.4	OGAS-01-40	OGAS-03-40

Are equipped with:



Available with drylin® liners (optional: J200/A180):



To ensure the correct function of a drylin® linear plain bearing, it is necessary to use the bearing with a defined minimum oversize (bearing clearance). The quality control of this part is carried out with a plug gauge test. For this purpose, specific force is defined with which the plug gauge is loaded when the plain bearing is tested.

Part No.	Test force [N]	Øi test housing	Min. bearing Øi (plug gauge falls)	Max. bearing Øi (plug gauge sticks)
J / J200 / E7 / A180 / A160UM-01/02-10	0.981	12.000mm	10.030mm	10.070mm
J / J200 / E7 / A180 / A160UM-01/02-12	1.373	14.000mm	12.030mm	12.070mm
J / J200 / E7 / A180 / A160UM-01/02-16	1.864	18.000mm	16.030mm	16.070mm
J / J200 / E7 / A180 / A160UM-01/02-20	2.649	23.000mm	20.030mm	20.070mm
J / J200 / E7 / A180 / A160UM-01/02-25	3.729	28.000mm	25.030mm	25.070mm
J / J200 / E7 / A180 / A160UM-01/02-30	4.807	34.000mm	30.040mm	30.090mm
J / J200 / E7 / A180 / A160UM-01/02-40	7.063	44.000mm	40.040mm	40.090mm
J / J200 / E7 / A180 / A160UM-01/02-50	9.810	55.000mm	50.050mm	50.150mm
J / J200 / E7UM-01/02-60	13.047	65.000mm	60.050mm	60.150mm

JUI-01-06	0.981	0.4684in	0.3768in	0.3776in
JUI-01-08	1.373	0.5934in	0.5016in	0.5024in
JUI-01-10	1.864	0.7184in	0.6268in	0.6276in
JUI-01-12	2.649	0.8747in	0.7516in	0.7524in
JUI-01-16	3.729	1.1247in	1.0016in	1.0024in
JUI-01-20	4.807	1.4058in	1.2520in	1.2531in
JUI-01-24	7.063	1.6558in	1.5020in	1.5031in
JUI-01-32	9.810	2.1870in	2.0024in	2.0039in

RJM / RJMP / RJ4JP-01-08	–	16.000mm	8.025mm	8.061mm
RJM / RJMP / RJ4JP-01-10	–	19.000mm	10.025mm	10.061mm
RJM / RJMP / RJ4JP-01-12	–	22.000mm	12.032mm	12.075mm
RJM / RJMP / RJ4JP-01-16	–	26.000mm	16.032mm	16.075mm
RJM / RJMP / RJ4JP-01-20	–	32.000mm	20.040mm	20.092mm
RJM / RJMP / RJ4JP-01-25	–	40.000mm	25.040mm	25.092mm
RJM / RJMP / RJ4JP-01-30	–	47.000mm	30.040mm	30.092mm
RJM / RJMP-01-40	–	62.000mm	40.050mm	40.112mm

RJI-01-06	0.981	0.6250in	0.3762in	0.3776in
RJI-01-08	1.373	0.8750in	0.5013in	0.5030in
RJI-01-10	1.864	1.1250in	0.6265in	0.6282in
RJI-01-12	2.649	1.2500in	0.7516in	0.7536in
RJI-01-16	3.729	1.5625in	1.0035in	1.0056in
RJI-01-20	4.807	2.0000in	1.2520in	1.2544in
RJI-01-24	7.063	2.3750in	1.5020in	1.5044in
RJI-01-32	9.810	3.0000in	2.0024in	2.0053in

RJ260(U)M-02-12	–	19.000mm	12.032mm	12.084mm
RJ260(U)M-02-16	–	24.000mm	16.032mm	16.084mm
RJ260(U)M-02-20	–	28.000mm	20.040mm	20.100mm
RJ260(U)M-02-25	–	35.000mm	25.040mm	25.100mm

Part No.	Test force [N]	Øi test housing	Min. bearing Øi (plug gauge falls)	Max. bearing Øi (plug gauge sticks)
XUMO-01-10	0.981	12.000mm	9.98mm	10.02mm
XUM-01/02-12	1.373	14.000mm	12.02mm	12.06mm
XUM-01-14	1.500	16.000mm	14.02mm	14.06mm
XUM-01/02-16	1.864	18.000mm	16.02mm	16.06mm
XUM-01/02-20	2.649	23.000mm	20.03mm	20.07mm
XUM-01/02-25	3.729	28.000mm	24.97mm	25.01mm
XUM-01/02-30	4.807	34.000mm	29.96mm	30.01mm
XUM-01/02-40	7.063	44.000mm	40.00mm	40.05mm

Explanation:

The iglidur® X material has a higher stiffness than iglidur® J. This causes shifts – depending on the diameter – compared to the ratio of test force to LD diameter. The parts are designed in such a way that under load the clearance between the iglidur® X and iglidur® J plain bearings is as identical as possible. Thereby in the use of iglidur® X liners, increased shifting forces can occur in the unloaded new condition on an h-toleranced shaft.

When using a plain bearing (e.g. JUM/RJM) in connection with an adapter/ housing (e.g. RJUM, OJUM, RGA) the factory tolerance of the housing hole (standard case: H7) is also added to the minimum clearance stated above. The total from these two values then produces the maximum possible bearing tolerance.

The effective bearing clearance is also influenced by the shaft tolerance. The maximum shaft undersize value should be added to give the maximum possible clearance.

F_{max} dynamic:

The maximum values are the result of the projected surface and 5MPa surface pressure.

F_{max} static:

The maximum values are the result of the projected surface and 35MPa surface pressure.

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Tightening torque for drylin® connections between metal parts

Metric thread (Da)	Tightening torque	Recommended tightening torque
	[Nm]	[Nm]
M3	0.5–1.1	0.7
M4	1.0–2.8	1.5
M5	2.0–5.5	3.0
M6	4.0–10.0	6.0
M8	8.0–23.0	15.0
M10	22.0–46.0	30.0

Please be aware of the minimal screw-in depth for aluminium and zinc die-casting parts: 1.5 x Da