

drylin® T rail guides | Ordering options



drylin® T replacement plastic slide elements (set)

Material iglidur® J ▶ Page 159

Material iglidur® J200 ▶ Page 261



drylin® T end caps for series O1 guide rail holes:

Guide carriages	Part No. Sliding part set	Rail	Part No. End cap
TW-12-15	TEK-12-15 (J200)	TS-01-15	TSZ-011501
TW-12-20	TEK-12-20 (J200)	TS-01-20	TSZ-012001
TW-12-25	TEK-12-25 (J200)	TS-01-25	TSZ-012501
TW-12-30	TEK-12-30 (J200)	TS-01-30	TSZ-013001

When using the end caps, screws with a low screw head must be used to attach the rail.

Part No.	F _y max., F _z max. [N]
TW-01/-12-15	2,000
TW-01/-02/-12-20	3,700
TW-01/-02/-03/-12-25	5,000
TW-01/-02/-12-30	7,000

drylin® T – system design

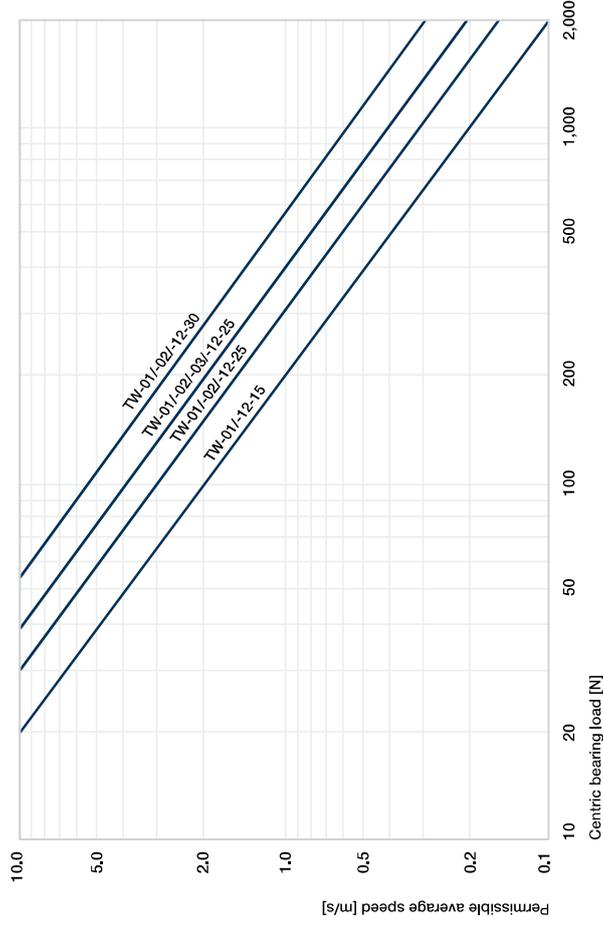


Diagram 04: Determination of the maximum permitted speed for the load



drylin® linear technology – drylin® R shaft guides



Lubrication-free drylin® liners

Resistance to dust and dirt

Low coefficient of friction

Extremely quiet operation

Many adapter and housing options



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

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)



Free from toxins

2011/65/EU (RoHS)



Cleanroom certified

IPA Fraunhofer

1072 Online tools and more information ► www.igus-asean.com/drylinR



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



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



Linear bearings and pillow blocks, open design

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



Flanged linear plain bearings

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



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.



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



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 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



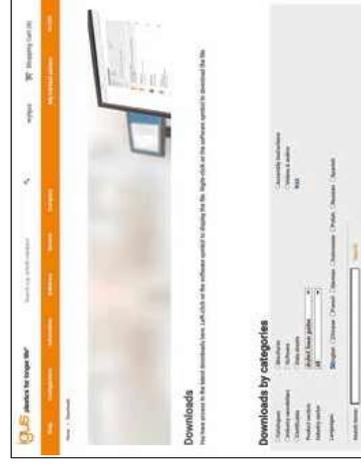
Download the online tool app now



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

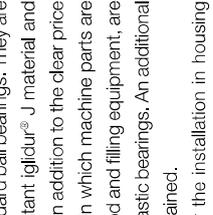
drylin® R linear plain bearings

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 02 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.



Application temperature	from -50°C to +90°C	from -50°C to +90°C	from -100°C to +90°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 Qcm	> 10 ¹³ Qcm	< 10 ¹⁰ Qcm	> 10 ¹³ Qcm	> 10 ¹³ Qcm	> 10 ¹³ Qcm
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.

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	3
Short-term [m/s]	3	3	10

Table 02: Maximum surface speed for iglidur® L100

Material properties:

- igidur® J ▶ Page 159
- igidur® J200 ▶ Page 261
- igidur® X ▶ Page 279
- igidur® E7 ▶ Page 267
- igidur® A160 ▶ Page 419
- igidur® A180 ▶ Page 401
- igidur® L100 ▶ Page 1654



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°.

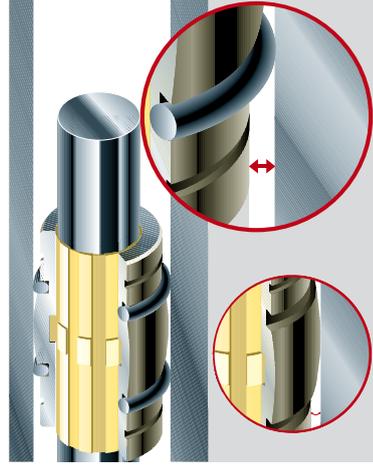


Diagram 02: By defined installation clearance and externally mounted O-rings, the self-aligning drylin® R bearings of the type series 03 can compensate parallelism errors. The spherical drylin® adapter can compensate for parallelism errors. A hard-anodisation protects the aluminium adapter from wear.

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.

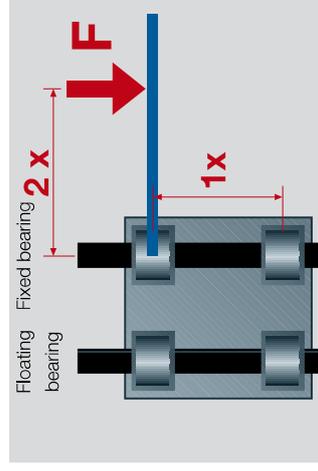


Figure 03: The 2:1 rule



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



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, TJUI-01, TJUI-03

- Secured by DIN 471 or 472 circlips, metric types (not included)



Solid plastic bearings:
RJM, RJUI-01

- Fastening with circlips according to DIN 471 or 472 (not included)
- The EG inner tolerance applies only after the press-fit



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

- Adapter secured with setscrews (not included)



Quad blocks: OGA, OGA, OGA, OGA

Tandem design: RTA

- The bearing in the housing is secured by DIN 472 circlips



Linear housings:
OGA, OGA, OGA

- The bearing in the housing is secured by DIN 471 circlips



Quad blocks: OGA, OGA, OGA, OGA

Linear housings: OGA, OGA, OGA

Tandem design: OGA

- The bearings is secured by screws



Pillow blocks: RJUM/ET-05, RJUM-06/LL, OJUM/ET-06/LL, Flange housings: FJUM/ET-07/02

quad blocks: OGA, OGA, OGA, OGA

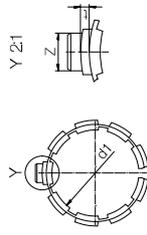
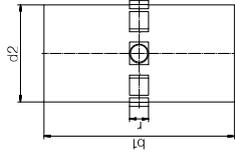
Tandem designs: RTA, OGA

Linear bearings: FGAS, OGAS

- Mounting screws of the housing DIN 912-3.8
- 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
iglidur® J	Inner Ø d1
Liner	
Metric	
Standard	

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]

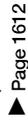
Shaft Ø	H7	B	h10	r	t	f	Z	Part No.
10	12	29	3.0	1.0	1.0	+0.5	+0.2	JUM-01-10
12	14	32	3.0	1.0	1.5	3.1	3.1	JUM-01-12
16	18	36	3.5	1.0	1.7	3.6	3.6	JUM-01-16
20	23	45	5.0	1.0	2.0	3.6	3.6	JUM-01-20
25	28	58	5.0	1.0	2.0	4.1	4.1	JUM-01-25
30	34	68	5.0	1.0	2.0	4.1	4.1	JUM-01-30
35	39	70	5.0	1.0	2.0	4.1	4.1	JUM-01-35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

⁷⁹⁾ in two parts

Can be combined with:



Imperial dimensions



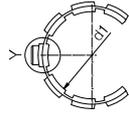
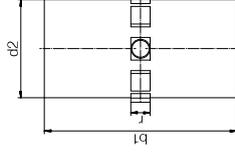
▶ Page 1612

RJUM-01-03
TJUM-01-03

FJUM-01-02

drylin® R liners | Product range

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



Order key

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

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]

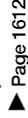
Shaft Ø	H7	B	h10	r	t	f	Z	Part No.
10	12	29	7.3	3.0	1.0	1.0	2.6	JUMO-01-10
12	14	32	9.0	3.0	1.0	1.5	3.1	JUMO-01-12
16	18	36	11.6	3.5	1.0	1.7	3.6	JUMO-01-16
20	23	45	12.0	5.0	1.0	2.0	3.6	JUMO-01-20
25	28	58	14.5	5.0	1.0	2.0	4.1	JUMO-01-25
30	34	68	16.6	5.0	1.0	2.0	4.1	JUMO-01-30
40	44	80	21.0	6.0	1.5	2.5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



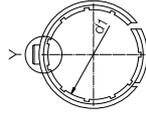
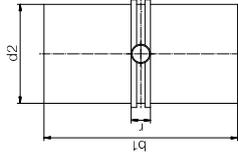
▶ Page 1612

OJUM-01-03

OJUM-06-06-LL

drylin® R liners | Product range

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



Order key

Type	Size
iglidur® J	Inner Ø d1
Liner	
Metric	
Precise	

J JUM-11-10

- Max. bearing clearance reduced by 50%
 - Increased contact surface: longer service life
- ⁷⁸⁾ According to iglus® 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	B	h10	r	t	f	Z	Part No.
10	12	29	3.0	1.0	1.0	+0.5	+0.2	JUM-11-10
12	14	32	3.0	1.0	1.5	3.1	3.1	JUM-11-12
16	18	36	3.5	1.0	1.7	3.6	3.6	JUM-11-16
20	23	45	5.0	1.0	2.0	3.6	3.6	JUM-11-20
25	28	58	5.0	1.0	2.0	4.1	4.1	JUM-11-25
30	34	68	5.0	1.0	2.0	4.1	4.1	JUM-11-30
40	44	80	6.0	1.5	2.5	5.1	5.1	JUM-11-40
50	55	100	7.0	1.5	2.5	6.1	6.1	JUM-11-50

Can be combined with:



RJUM-01-03
TJUM-01-03



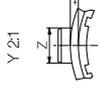
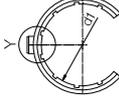
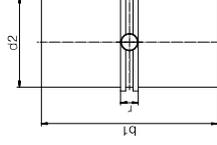
RJUM-06-06-LL
FJUM-01-42



FJUM-01-42

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	Inner Ø d1
Liner	
Metric	
Open	
Precise	

J JUMO-11-10

- Max. bearing clearance reduced by 50%
 - Increased contact surface: longer service life
- ⁷⁸⁾ According to iglus® 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	B	h10	r	t	f	Z	Part No.
10	12	29	3.0	1.0	1.0	+0.5	+0.2	JUMO-11-10
12	14	32	3.0	1.0	1.5	3.1	3.1	JUMO-11-12
16	18	36	3.5	1.0	1.7	3.6	3.6	JUMO-11-16
20	23	45	5.0	1.0	2.0	3.6	3.6	JUMO-11-20
25	28	58	5.0	1.0	2.0	4.1	4.1	JUMO-11-25
30	34	68	5.0	1.0	2.0	4.1	4.1	JUMO-11-30
40	44	80	6.0	1.5	2.5	5.1	5.1	JUMO-11-40
50	55	100	7.0	1.5	2.5	6.1	6.1	JUMO-11-50

Can be combined with:



OJUM-01-03

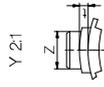
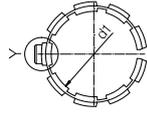
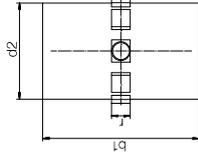


OJUM-06-06-LL



drylin® R liners | Product range

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



Order key

Type	Size
drylin® J	Inner Ø d1
Liner	
Metric	
Compact	

J U M-02-10

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]

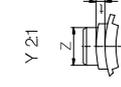
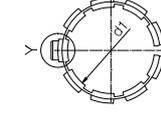
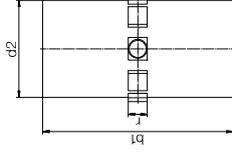
Shaft Ø	d1	B	h10	r	t	f	Z	Part No.
10	12	26	3.0	+0.05	+0.1	+0.5	+0.2	JUM-02-10
12	14	28	3.0	1.0	1.5	3.1	2.6	JUM-02-12
16	18	30	3.5	1.0	1.7	3.6	3.6	JUM-02-16
20	23	30	5.0	1.0	2.0	3.6	3.6	JUM-02-20
25	28	40	5.0	1.0	2.0	4.1	4.1	JUM-02-25
30	34	50	5.0	1.0	2.0	4.1	4.1	JUM-02-30
40	44	60	6.0	1.5	2.5	5.1	5.1	JUM-02-40
45	50	60	7.0	1.5	2.5	6.1	6.1	JUM-02-45
50	55	70	7.0	1.5	2.5	6.1	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
drylin® J200	Inner Ø d1
Liner	
Metric	
Standard	

J200 U M-01-10

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]

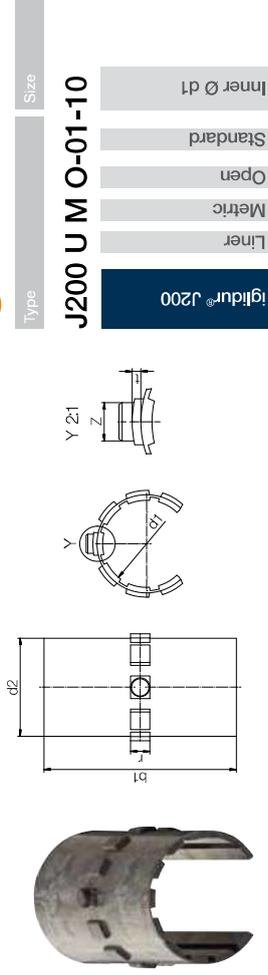
Shaft Ø	d1	B	h10	r	t	f	Z	Part No.
10	12	29	3.0	+0.05	+0.1	+0.5	+0.2	J200UM-01-10
12	14	32	3.0	1.0	1.5	3.1	2.6	J200UM-01-12
16	18	36	3.5	1.0	1.7	3.6	3.6	J200UM-01-16
20	23	45	5.0	1.0	2.0	3.6	3.6	J200UM-01-20
25	28	58	5.0	1.0	2.0	4.1	4.1	J200UM-01-25
30	34	68	5.0	1.0	2.0	4.1	4.1	J200UM-01-30
40	44	80	6.0	1.5	2.5	5.1	5.1	J200UM-01-40
50	55	100	7.0	1.5	2.5	6.1	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)



Type	Size
Liner	J200 U M O-01-10
Metric	iglidur® J200
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]

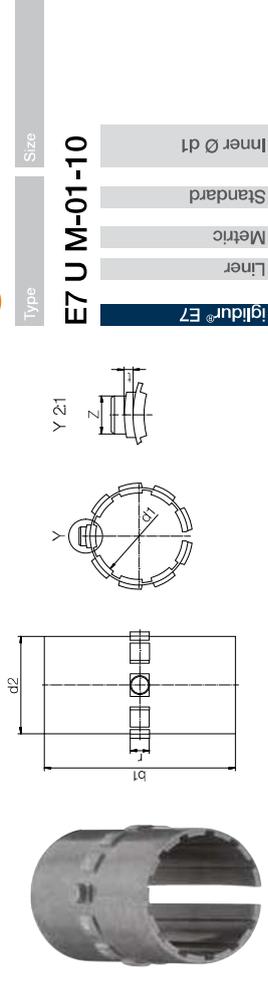
Shaft Ø	d1	H7	B	h10	r	t	f	Z	Part No.
10	12	29	7.3	3.0	1.0	1.0	2.6	+0.2	J200UMO-01-10
12	14	32	9.0	3.0	1.0	1.5	3.1		J200UMO-01-12
16	18	36	11.6	3.5	1.0	1.7	3.6		J200UMO-01-16
20	23	45	12.0	5.0	1.0	2.0	3.6		J200UMO-01-20
25	28	58	14.5	5.0	1.0	2.0	4.1		J200UMO-01-25
30	34	68	16.6	5.0	1.0	2.0	4.1		J200UMO-01-30
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)



Type	Size
Liner	E7 U M-01-10
Metric	iglidur® E7
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-01-50 ⁷⁹⁾
60	+0.050+0.150	65	124	8.0	2.5	6.5	54.80	E7UM-01-60 ⁷⁹⁾

Housing hole for E7UM-01 | Dimensions [mm]

Shaft Ø	d1	H7	B	h10	r	t	f	Z	Part No.
10	12	29	3.0	1.0	1.0	1.0	2.6	+0.2	E7UM-01-10
12	14	32	3.0	1.0	1.5	3.1			E7UM-01-12
16	18	36	3.5	1.0	1.7	3.6			E7UM-01-16
20	23	45	5.0	1.0	2.0	3.6			E7UM-01-20
25	28	58	5.0	1.0	2.0	4.1			E7UM-01-25
30	34	68	5.0	1.0	2.0	4.1			E7UM-01-30
40	44	80	6.0	1.5	2.5	5.1			E7UM-01-40
50	55	100	7.0	1.5	2.5	6.1			E7UM-01-50 ⁷⁹⁾
60	65	125	8.0	2.5	3.0	6.5			E7UM-01-60 ⁷⁹⁾

⁷⁹⁾ in two parts

Can be combined with:



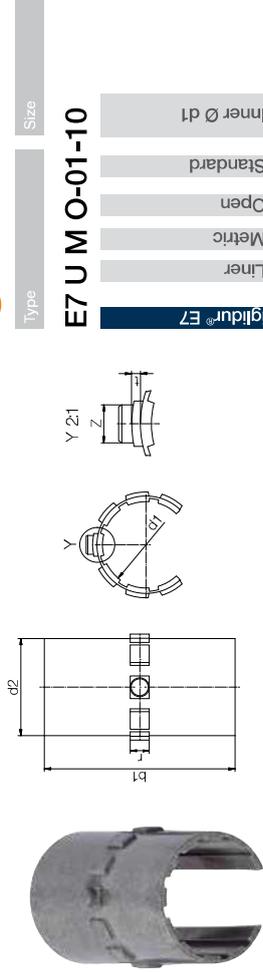
Imperial dimensions
▶ Page 1612

drylin® R liners | Product range

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



Order key



Type

Size

E7 U M O-01-10

Liner

Metric

Open

Standard

Inner Ø d1

iglidur® E7

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



⁷⁸⁾ According to iglus® 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	d1	H7	B	h10	r	t	f	Z	Part No.
10	12	29	7.3	3.0	1.0	1.0	1.0	2.6	E7UMO-01-10
12	14	32	9.0	3.0	1.0	1.5	3.1	3.1	E7UMO-01-12
16	18	36	11.6	3.5	1.0	1.7	3.6	3.6	E7UMO-01-16
20	23	45	12.0	5.0	1.0	2.0	3.6	3.6	E7UMO-01-20
25	28	58	14.5	5.0	1.0	2.0	4.1	4.1	E7UMO-01-25
30	34	68	16.6	5.0	1.0	2.0	4.1	4.1	E7UMO-01-30
40	44	80	21.0	6.0	1.5	2.5	5.1	5.1	E7UMO-01-40
50	55	100	25.5	7.0	1.5	2.5	6.1	6.1	E7UMO-01-50 ⁷⁹⁾
60	65	125	27.2	8.0	2.5	3.0	6.5	6.5	E7UMO-01-60 ⁷⁹⁾

⁷⁹⁾ in two parts

Can be combined with:



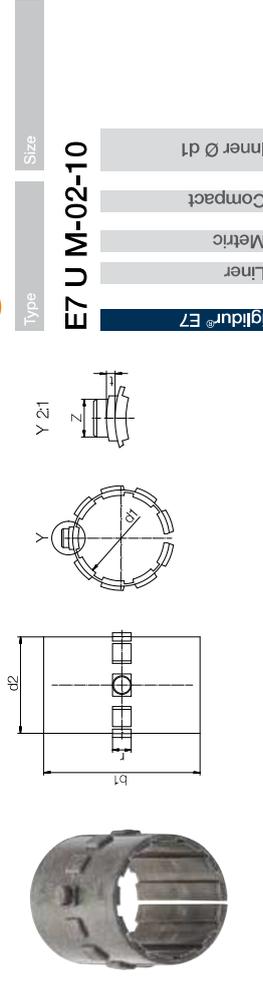
OJUM-01-03 OJUM-06F-06-LL

drylin® R liners | Product range

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



Order key



Type

Size

E7 U M-02-10

Liner

Metric

Compact

Inner Ø d1

iglidur® E7

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



⁷⁸⁾ According to iglus® testing method ▶ Page 1146

Please note: Installation instructions ▶ Page 1079



Min. -50°C

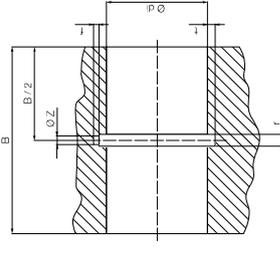
Max. +70°C

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	d1	H7	B	h10	r	t	f	Z	Part No.
10	12	26	3.0	1.0	1.0	1.0	1.0	2.6	E7UM-02-10
12	14	28	3.0	1.0	1.5	3.1	3.1	3.1	E7UM-02-12
16	18	30	3.5	1.0	1.7	3.6	3.6	3.6	E7UM-02-16
20	23	30	5.0	1.0	2.0	3.6	3.6	3.6	E7UM-02-20
25	28	40	5.0	1.0	2.0	4.1	4.1	4.1	E7UM-02-25
30	34	50	5.0	1.0	2.0	4.1	4.1	4.1	E7UM-02-30
40	44	60	6.0	1.5	2.5	5.1	5.1	5.1	E7UM-02-40



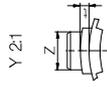
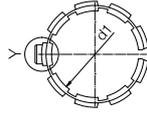
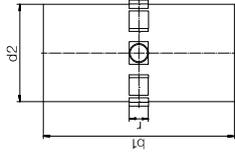
Can be combined with:



RJUM-02 RJUM-05/RJUME-05 FJUMT-01/-02

drylin® R liners | Product range

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



Type **iglidur® X** Size **Inner Ø d1**

Order key

XU M-01-12

Standard
Metric
Liner

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



⁷⁸⁾ According to iglus® testing method ▶ Page 1146

Please note: Installation instructions ▶ Page 1079



Min. -100°C

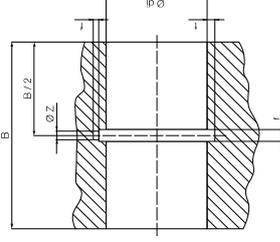
Max. +250°C

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	di	B	r	t	f	Z	Part No.
H7	h10	+0.05	+0.1	+0.5	+0.2		
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:



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



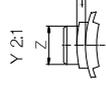
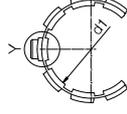
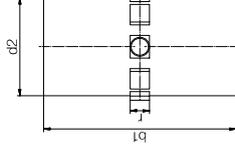
RJUM-06/-06-LL
FJUM-01/-02



FJUM-01/-02

drylin® R liners | Product range

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



Type **iglidur® X** Size **Inner Ø d1**

Order key

XUM O-01-10

Standard
Open
Metric
Liner

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



⁷⁸⁾ According to iglus® testing method ▶ Page 1146

Please note: Installation instructions ▶ Page 1079



Min. -100°C

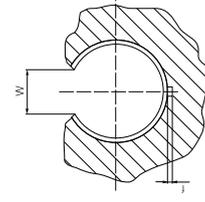
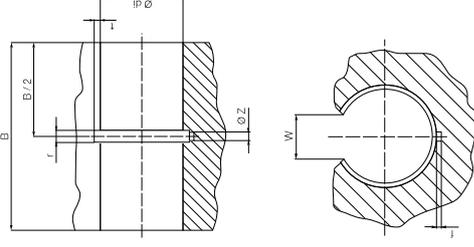
Max. +250°C

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-01-10 ¹⁰⁾
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	di	B	W	r	t	f	Z	Part No.
H7	h10	+0.2	+0.05	+0.1	+0.5	+0.2		
10	12	29	7.3	3.0	1.0	1.0	2.6	XUMO-01-10 ¹⁰⁾
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



¹⁰⁾ One-piece

Can be combined with:

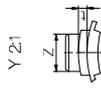
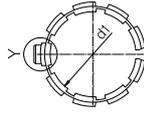
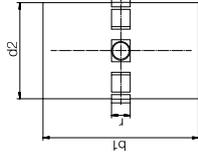


OJUM-01/-03
TJUM-01/-03



OJUM-06/-06-LL

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



Order key

Type	Size
iglidur® X	Inner Ø d1
Liner	Compact
Metric	
XUM 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

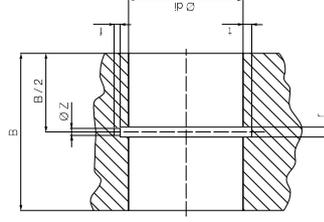
Max. +250°C

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	di H7	B	b	r	t	f	Z	Part No.
12	14	28	3.0	1.0	1.5	+0.5	+0.2	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:



RJUM-02



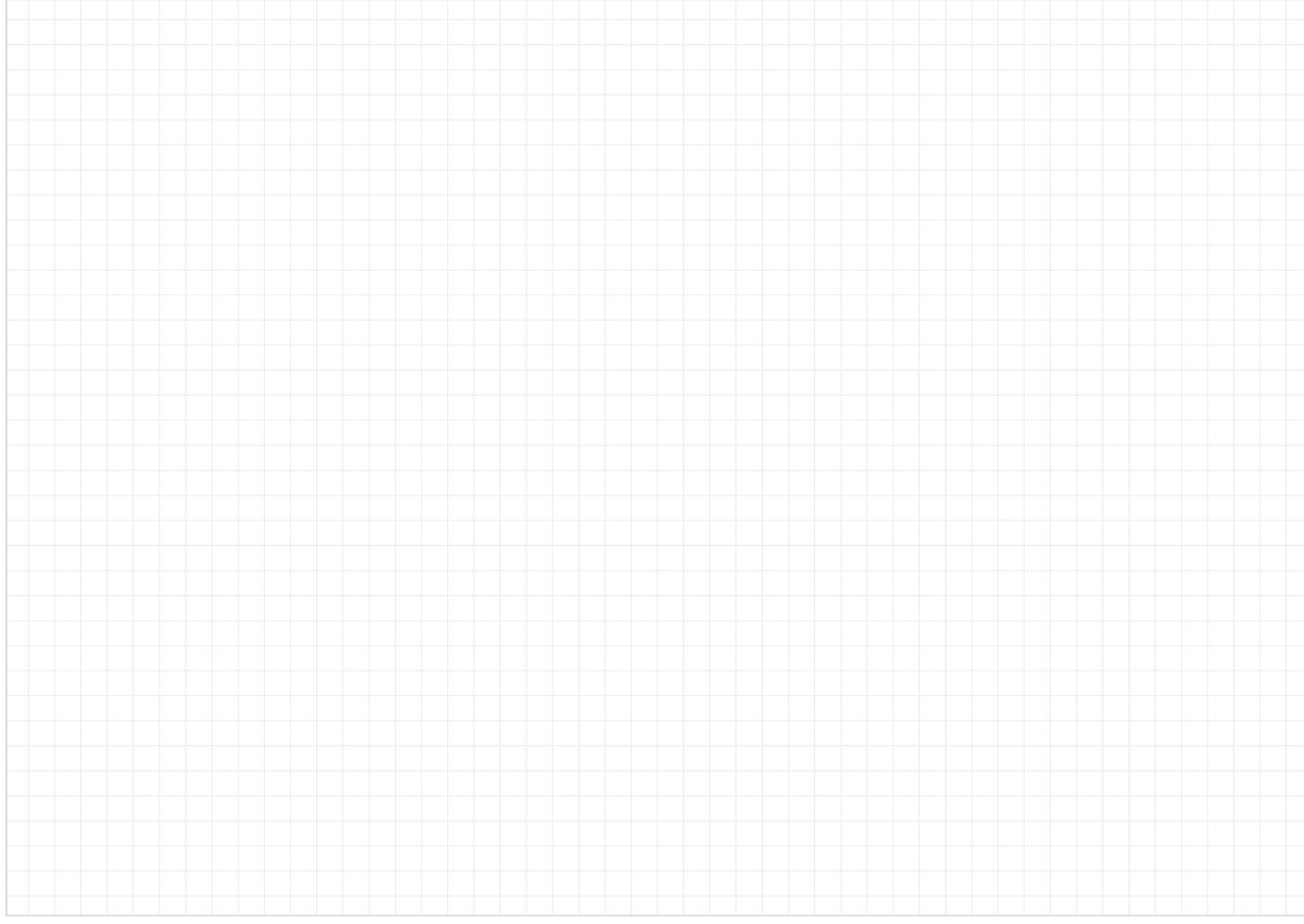
RJUM-01-ES



RJUM-05/RJUME-05
TJUM-05/RJUMT-05

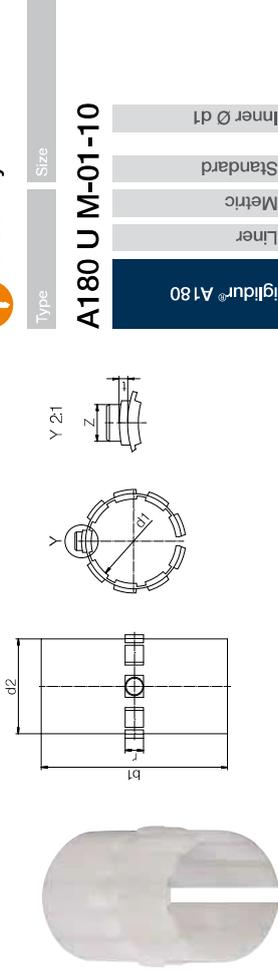


FJUMT-01/-02



drylin® R liners | Product range

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



The FDA-compliant for the food
and pharmaceutical industry

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

Can be combined with:



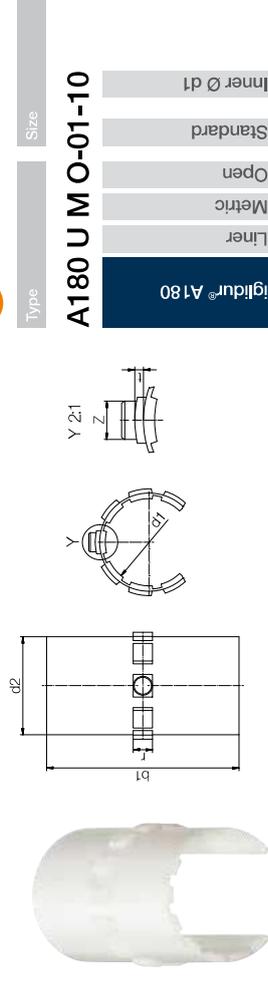
RJUM-01-03
TJUM-01-03
RJUM-06-06-LL

drylin® R liners | Product range

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



Order key



The FDA-compliant for the food
and pharmaceutical industry

i 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]

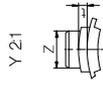
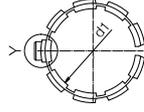
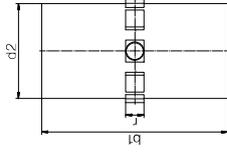
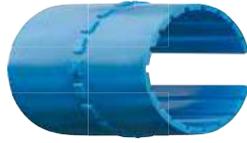
Shaft Ø	H7	B	h10	r	t	f	Z	Part No.
10	12	29	3.0	1.0	1.0	+0.1	+0.2	A180UMO-01-10
12	14	32	3.0	1.0	1.5	3.1	3.1	A180UMO-01-12
16	18	36	3.5	1.0	1.7	3.6	3.6	A180UMO-01-16
20	23	45	5.0	1.0	2.0	3.6	3.6	A180UMO-01-20
25	28	58	5.0	1.0	2.0	4.1	4.1	A180UMO-01-25
30	34	68	5.0	1.0	2.0	4.1	4.1	A180UMO-01-30
40	44	80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

Can be combined with:



OJUM-01-03
TJUM-01-03
OJUM-06-06-LL

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



Order key

Type	Size
iglidur® A160	A160 U M-01-10
Liner	Metric
Standard	Inner Ø d1

Compliant with Regulation (EU) No. 10/2011 and FDA guidelines for longer service life on hardened stainless steel shafts



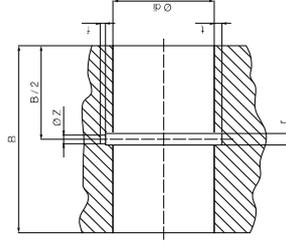
⁷⁸⁾ According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
Min. -50°C
Max. +90°C

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	d1	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



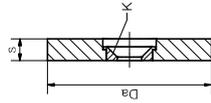
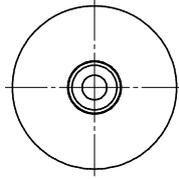
Can be combined with:



RJUM-01-03
TJUM-01-03
RJUM-06-06-LL
FJUM-01-02



Large force displacement on different surfaces



Order key

Type	Size	Width
Slide disc	RSD J-40-06	

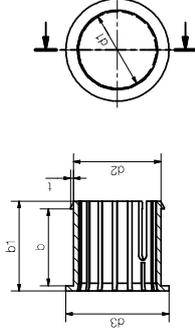
- Made from the high-performance plastic iglidur® J
- Low coefficient of friction
- Screw through the reinforced hole in the middle for a firm hold

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	Length b
Clip-on liner	JUC M-1216-16	

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



⁷⁸⁾ According to igus® testing method ▶ Page 1146
⁸⁹⁾ 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

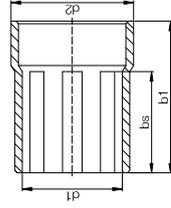
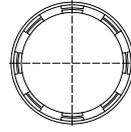
Technical data

Part No.	d1 tolerance ⁷⁸⁾		Fmax. dynamic ⁸²⁾ p = 5MPa		Fmax. static ⁸²⁾ p = 35MPa		Weight [g]
	[mm]	[N]	[N]	[N]	[N]	[g]	
JUCM-1216-16	+0,04 +0,10	320	320	1,600	1,600	2,5	
JUCM-1418-18	+0,04 +0,10	440	440	2,200	2,200	2,9	
JUCM-1517-15	+0,04 +0,10	380	380	1,900	1,900	1,4	
JUCM-1620-20	+0,04 +0,10	560	560	2,800	2,800	3,9	
JUCM-1822-20	+0,04 +0,10	630	630	3,150	3,150	4,2	
JUCM-2024-25	+0,04 +0,12	880	880	4,400	4,400	5,8	
JUCM-2227-27	+0,04 +0,12	1,000	1,000	5,000	5,000	9,4	
JUCM-2227-34	+0,04 +0,12	1,300	1,300	6,500	6,500	10,3	
JUCM-2529-30	+0,04 +0,12	1,300	1,300	6,500	6,500	8,6	
JUCM-3034-30	+0,04 +0,12	1,500	1,500	7,500	7,500	10,0	

Made from iglidur® L100



Order key



Type	Size
W L M-0608-10	
iglidur® 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

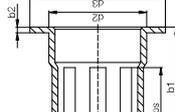
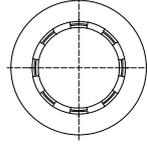
Min. -40°C

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



Type	Size
W L F M-1214-15	
iglidur® 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	b1	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

Made from iglidur® L100



Order key

drylin® R solid plastic bearings | Product range

Standard design made from iglidur® J (the all-rounder)



Order key



Type	Size
Closed	Inner Ø d1
Iglidur® J	
Metric	
Standard	

R J M-01-10

- Assembly by press-fitting
- Secured by circlips

Min. -20°C
Max. +60°C



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

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⁾ p = 2.5MPa		Fmax. static ⁸²⁾ p = 17.5MPa		Weight [g]	Press-fit force ⁸³⁾ [N]
	[mm]	[N]	[N]	[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:



Type	Size
Closed	Inner Ø d1
Iglidur® J	
Metric	
Precise	
Standard	

R J M P-01-10

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

Min. -20°C
Max. +60°C



⁷⁸⁾ According to igus® testing method ▶ Page 1146

⁸²⁾ Design tips ▶ Page 1078

Please note: Installation instructions ▶ Page 1079

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⁾ p = 2.5MPa		Fmax. static ⁸²⁾ p = 17.5MPa		Weight [g]
	[mm]	[N]	[N]	[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:



drylin® R solid plastic bearings | Product range

Linear plain bearings with Japanese dimensions made from iglidur® J4



Order key

Type	Size
iglidur® J4	Standard
Japan standard	Precise
Closed	Standard
	Inner Ø d1

R J 4 J P-01-10

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

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

Please note: Installation instructions ▶ Page 1079

Material properties ▶ Page 1652



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 ⁷⁹⁾		Fmax. dynamic ⁸²⁾		Fmax. static ⁸²⁾		Weight
	[mm]	[N]	[N]	[N]	[N]	[g]	
RJ4JP-01-08	+0.000 +0.040	200	800	800	2	2	
RJ4JP-01-10	+0.000 +0.040	300	1,200	1,200	6	6	
RJ4JP-01-12	+0.000 +0.040	400	1,600	1,600	8	8	
RJ4JP-01-16	+0.000 +0.040	700	2,800	2,800	16	16	
RJ4JP-01-20	+0.000 +0.040	1,000	4,000	4,000	23	23	
RJ4JP-01-25	+0.000 +0.050	1,550	6,500	6,500	47	47	
RJ4JP-01-30	+0.000 +0.050	2,200	8,500	8,500	72	72	



Order key

Type	Size
iglidur® J260	Grooved
Closed	Metric
	Compact
	Inner Ø d1

R J260 U M-02-12

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

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

Please note: Installation instructions ▶ Page 1079



Min. -20°C

Max. +60°C

Dimensions [mm]

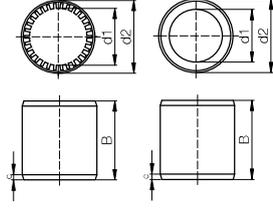
d1	d2	B	C	Part No.
12	19	28	1,5x15°	RJ260UM-02-12
16	24	30	1,5x15°	RJ260UM-02-16
20	28	30	2,0x15°	RJ260UM-02-20
25	35	40	2,0x15°	RJ260UM-02-25

Technical data

Part No.	d1 tolerance ⁷⁹⁾		Fmax. dynamic ⁸²⁾		Fmax. static ⁸²⁾		Weight
	[mm]	[N]	[N]	[N]	[g]		
RJ260UM-02-12	+0.035 +0.080	420	2,940	2,940	6.2		
RJ260UM-02-16	+0.035 +0.080	600	4,200	4,200	9.7		
RJ260UM-02-20	+0.040 +0.095	750	5,250	5,250	11.7		
RJ260UM-02-25	+0.040 +0.095	1,250	8,750	8,750	22.8		

drylin® R solid plastic bearings | Product range

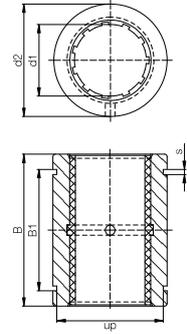
Low-cost linear plain bearings made from iglidur® J260



Closed, anodised aluminium adapter



Order key



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

RJUM-01-10

- 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	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

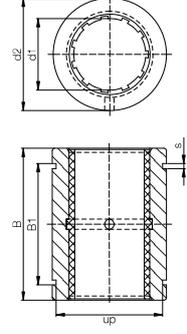
Technical data

Part No.	d1 tolerance ⁷⁸⁾ [mm]	Fmax. dynamic ⁸²⁾ p = 5MPa		Fmax. static ⁸²⁾ p = 35MPa		Weight [g]
		[N]	[lbf]	[N]	[lbf]	
RJZM-01-05 ⁸¹⁾	+0,025 +0,060	525	118	3,675	828	5
RJZM-01-06 ⁸¹⁾	+0,025 +0,060	525	118	3,675	828	5
RJZM-01-08 ⁸¹⁾	+0,032 +0,070	960	215	6,720	1,504	9
RJUM-01-10	+0,030 +0,068	725	163	5,075	1,138	14
RJUM-01-12	+0,030 +0,068	960	215	6,720	1,504	21
RJUM-01-16	+0,030 +0,068	1,440	324	10,080	2,268	28
RJUM-01-20	+0,030 +0,091	2,250	507	15,750	3,544	49
RJUM-01-25	+0,030 +0,091	3,625	813	25,375	5,714	108
RJUM-01-30	+0,040 +0,110	5,100	1,143	35,700	8,000	162
RJUM-01-40	+0,040 +0,115	8,000	1,800	56,000	12,500	334
RJUM-01-50	+0,050 +0,130	9,000	2,025	63,000	14,175	579
RJUM-01-60	+0,050 +0,140	12,000	2,700	84,000	18,900	1,070

Closed, anodised aluminium adapter, precise



Order key



Type	Size
Closed	Inner Ø d1
igidur® J	
Liner	
Metric	
Precise	

RJUM-11-10

- Max. bearing clearance reduced by 50%

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	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⁾ p = 5MPa		Fmax. static ⁸²⁾ p = 35MPa		Weight [g]
		[N]	[lbf]	[N]	[lbf]	
RJUM-11-10	+0,000 +0,058	725	163	5,075	1,138	14
RJUM-11-12	+0,000 +0,058	960	215	6,720	1,504	21
RJUM-11-16	+0,000 +0,058	1,440	324	10,080	2,268	28
RJUM-11-20	+0,000 +0,061	2,250	507	15,750	3,544	49
RJUM-11-25	+0,000 +0,061	3,625	813	25,375	5,714	108
RJUM-11-30	+0,000 +0,075	5,100	1,143	35,700	8,000	162
RJUM-11-40	+0,000 +0,080	8,000	1,800	56,000	12,500	334
RJUM-11-50	+0,000 +0,090	12,500	2,794	87,500	19,544	579

Can be combined with:

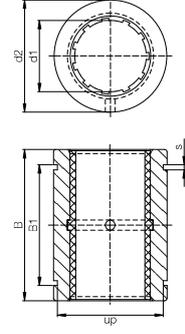


Available with drylin® liners (optional: J200/A180):

Closed stainless steel adapter made of stainless steel 303



Order key



Type	Size	Material
Closed	Inner Ø d1	Stainless steel
Liner	Standard	
Metric		

R J U M-01-12-ES

- 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	dh	Part No.
H7	H10	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⁾		Fmax. dynamic ⁸²⁾ p = 5MPa		Fmax. static ⁸²⁾ p = 35MPa		Weight
	[mm]	[N]	[N]	[g]			
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			

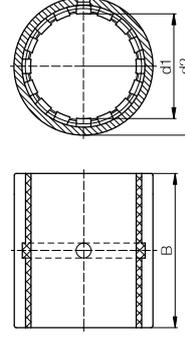
Available with drylin® liners (optional: J200/A180):



Closed, anodised aluminium adapter, short design



Order key



Type	Size
Closed	Inner Ø d1
Liner	Metric
Metric	Compact

R J U M-02-10

- Also available as a reduced clearance version RJUM-12 (Ø 10–50mm)

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

Please note: Installation instructions ▶ Page 1079

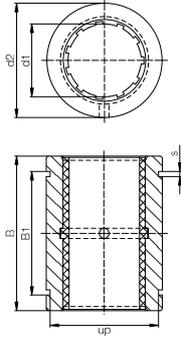
Dimensions [mm]

d1	d2	B	Part No.
H7	h10	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		d1 tolerance ⁷⁸⁾		Fmax. dynamic ⁸²⁾ p = 5MPa		Fmax. static ⁸²⁾ p = 35MPa		Weight
	Ø H7 [mm]	[mm]	[mm]	[N]	[N]	[g]			
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

Type	Size
iglidur® E7	Standard
Liner	Metric
Closed	R E7 U M-01-10



Order key

- Secured by circlips

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

Please note: Installation instructions ▶ Page 1079

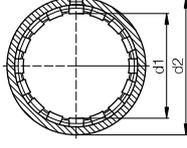
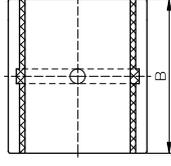
Dimensions [mm]

d1	d2 H7	B h10	B1 H10	s H10	dn h10	Part No.
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 ⁷⁹⁾		F max. dynamic ⁸²⁾		F max. static ⁸²⁾		Weight
	[mm]	p = 2,5MPa [N]	p = 2,5MPa [N]	p = 18MPa [N]	p = 18MPa [N]	[g]	
RE7UM-01-10	+0,030 +0,088	360	360	2,610	2,610	14	
RE7UM-01-12	+0,030 +0,088	480	480	3,450	3,450	21	
RE7UM-01-16	+0,030 +0,088	720	720	5,180	5,180	28	
RE7UM-01-20	+0,030 +0,091	1,120	1,120	8,100	8,100	49	
RE7UM-01-25	+0,030 +0,091	1,810	1,810	13,050	13,050	108	
RE7UM-01-30	+0,040 +0,110	2,560	2,560	18,360	18,360	162	
RE7UM-01-40	+0,040 +0,115	4,000	4,000	28,800	28,800	334	
RE7UM-01-50	+0,050 +0,180	4,500	4,500	45,000	45,000	579	
RE7UM-01-60	+0,050 +0,190	6,000	6,000	61,700	61,700	1,070	

drylin® R linear plain bearings | Product range

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

Type	Size
iglidur® E7	Liner
Closed	Metric
	Compact
	R E7 U M-02-10



Order key

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

Please note: Installation instructions ▶ Page 1079

Dimensions [mm]

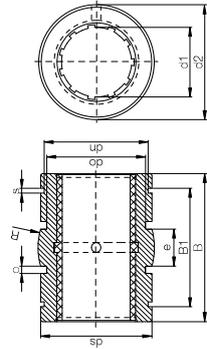
d1	d2 H7	B h10	Part No.
10	17	26	RE7UM-02-10
12	19	28	RE7UM-02-12
16	24	30	RE7UM-02-16
20	28	30	RE7UM-02-20
25	35	40	RE7UM-02-25
30	40	50	RE7UM-02-30
40	52	60	RE7UM-02-40
50	62	70	RE7UM-02-50

Technical data

Part No.	Housing hole		d1 tolerance ⁷⁹⁾		F max. dynamic ⁸²⁾		F max. static ⁸²⁾		Weight
	Ø H7 [mm]	p = 2,5MPa [N]	[mm]	p = 2,5MPa [N]	p = 18MPa [N]	p = 18MPa [N]	[g]		
RE7UM-02-10	17	+0,030 +0,088	+0,030 +0,088	325	2,340	2,340	8		
RE7UM-02-12	19	+0,030 +0,088	+0,030 +0,088	420	3,020	3,020	10		
RE7UM-02-16	24	+0,030 +0,088	+0,030 +0,088	600	4,320	4,320	17		
RE7UM-02-20	28	+0,030 +0,091	+0,030 +0,091	750	5,400	5,400	18		
RE7UM-02-25	35	+0,030 +0,091	+0,030 +0,091	1,250	9,000	9,000	42		
RE7UM-02-30	40	+0,040 +0,110	+0,040 +0,110	1,875	13,500	13,500	56		
RE7UM-02-40	52	+0,040 +0,115	+0,040 +0,115	3,000	21,600	21,600	113		
RE7UM-02-50	62	+0,050 +0,180	+0,050 +0,180	4,375	31,500	31,500	147		

drylin® R linear plain bearings | Product range
Closed aluminium adapter (floating bearing)

Order key



Type	Size
Open	Inner Ø d1
Liner	
Metric	
Self-aligning	
Closed	Inner Ø d1

R J U M-03-10

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



- 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 H7	B h10	B1 H10	s H10	dn h10	ds h10	do +0.1	e	R	Part No.
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]	F max. dynamic ⁸²⁾		F max. static ⁸²⁾		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

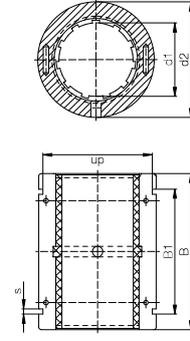
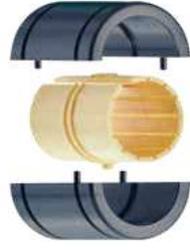
Can be combined with:



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

drylin® R linear plain bearings | Product range
Split anodised aluminium adapter

Order key



Type	Size
Open	Inner Ø d1
Liner	
Metric	
Standard	
Closed	Inner Ø d1

T J U M-01-10

- Quick replacement of the liner without removing the shaft



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



Dimensions [mm]

d1	d2 H7	B h10	B1 H10	s H10	dn h10	ds h10	do +0.1	e	R	Part No.
10	19	-0.020	-0.040	29	21.6	1.30	17.5	1.30	17.5	TJUM-01-10
12	22	-0.020	-0.040	32	22.6	1.30	20.5	1.30	20.5	TJUM-01-12
16	26	-0.020	-0.040	36	24.6	1.30	24.2	1.30	24.2	TJUM-01-16
20	32	-0.020	-0.045	45	31.2	1.60	29.6	1.85	29.6	TJUM-01-20
25	40	-0.030	-0.055	58	43.7	1.85	36.5	2.15	36.5	TJUM-01-25
30	47	-0.030	-0.055	68	51.7	1.85	43.5	2.15	43.5	TJUM-01-30
40	62	-0.030	-0.060	80	60.3	2.15	57.8	2.65	57.8	TJUM-01-40
50	75	-0.030	-0.060	100	77.3	2.65	70.5	2.65	70.5	TJUM-01-50

Technical data

Part No.	d1 tolerance ⁸³⁾		F max. dynamic ⁸²⁾		F max. static ⁸²⁾		Weight [g]
	[mm]	p = 5MPa	[N]	[N]	[N]	p = 35MPa	
TJUM-01-10	+0.030	+0.092	725	5,075	14	14	
TJUM-01-12	+0.030	+0.097	960	6,720	19	19	
TJUM-01-16	+0.030	+0.097	1,440	10,080	27	27	
TJUM-01-20	+0.030	+0.103	2,250	15,750	49	49	
TJUM-01-25	+0.030	+0.103	3,625	25,375	106	106	
TJUM-01-30	+0.040	+0.124	5,100	35,700	166	166	
TJUM-01-40	+0.040	+0.124	8,000	56,000	347	347	
TJUM-01-50	+0.050	+0.196	12,500	87,500	577	577	

Can be combined with:



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

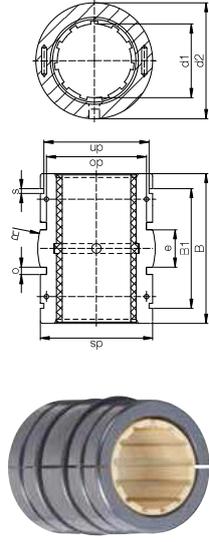


drylin® R linear plain bearings | Product range

Split aluminium adapter (floating bearing)



Order key



Type	Size
Open	Inner Ø d1
igitur® J	
Liner	
Metric	
Self-aligning	

T J U M-03-10

- 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	h10	ds	do	o	e	R	Part No.
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		Fmax. static ⁸²⁾ p = 35MPa		Weight [g]
		[N]	[N]	[N]	[N]	
TJUM-03-10	+0,030 +0,092	725	725	5,075	5,075	11
TJUM-03-12	+0,030 +0,097	960	960	6,720	6,720	17
TJUM-03-16	+0,030 +0,097	1,440	1,440	10,080	10,080	23
TJUM-03-20	+0,030 +0,103	2,250	2,250	15,750	15,750	44
TJUM-03-25	+0,030 +0,103	3,625	3,625	25,375	25,375	92
TJUM-03-30	+0,040 +0,124	5,100	5,100	35,700	35,700	145
TJUM-03-40	+0,040 +0,124	8,000	8,000	56,000	56,000	311
TJUM-03-50	+0,050 +0,196	12,500	12,500	87,500	87,500	542

Can be combined with:



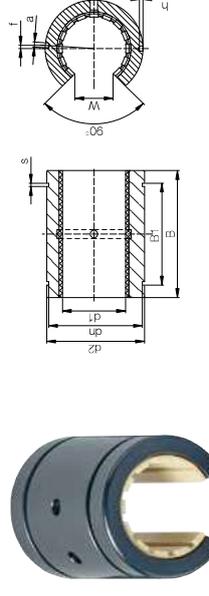
Available with drylin® liners (optional: J200/A180):

drylin® R linear plain bearings | Product range

Open, anodised aluminium adapters – for supported shafts

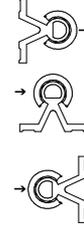


Order key



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

O J U M-01-10



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	dh	B1	s	f	h	Part No.
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	930	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	2,963	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:



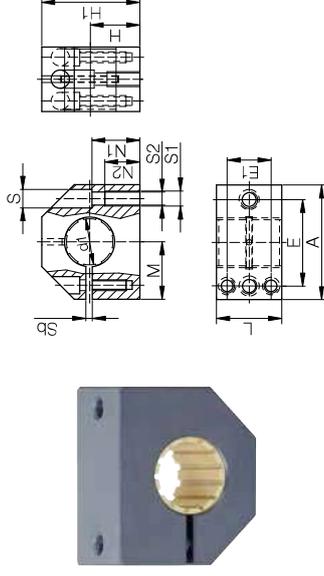
Available with drylin® liners (optional: J200/A180):

drylin® R pillow blocks

Closed, anodised aluminium housing, short design



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



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	RJUM-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 ⁸¹⁾		Fmax. dynamic ⁸²⁾		Fmax. static ⁸²⁾		Weight
	[mm]	[N]	p = 5MPa	p = 35MPa	[N]	[g]	
RJUM-05-08 ⁸¹⁾	+0,032 +0,070	960	6,720	6,720	46	46	
RJUM-05-10	+0,030 +0,068	650	4,550	4,550	71	71	
RJUM-05-12	+0,030 +0,068	840	5,880	5,880	78	78	
RJUM-05-16	+0,030 +0,068	1,200	8,400	8,400	106	106	
RJUM-05-20	+0,030 +0,091	1,500	10,500	10,500	132	132	
RJUM-05-25	+0,030 +0,091	2,500	17,500	17,500	253	253	
RJUM-05-30	+0,040 +0,110	3,750	26,250	26,250	374	374	
RJUM-05-40	+0,040 +0,115	6,000	42,000	42,000	713	713	
RJUM-05-50	+0,050 +0,150	8,750	61,250	61,250	1,168	1,168	

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

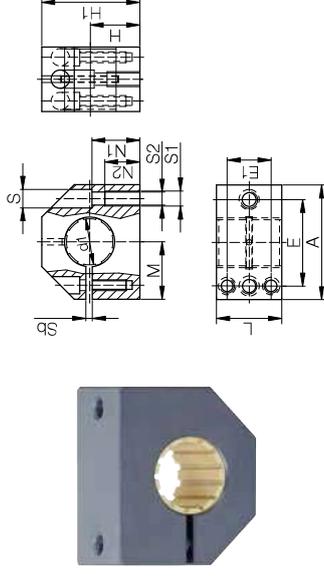


drylin® R pillow blocks

Adjustable anodised aluminium housing, short design



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



● With adjustable clearance



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					±0,15	±0,15								
-0,014														
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 ⁸¹⁾		Fmax. dynamic ⁸²⁾		Fmax. static ⁸²⁾		Weight
	[mm]	[N]	p = 5MPa	p = 35MPa	[N]	[g]	
RJUME-05-12	Adjustable	840	5,880	5,880	78	78	
RJUME-05-16	Adjustable	1,200	8,400	8,400	106	106	
RJUME-05-20	Adjustable	1,500	10,500	10,500	132	132	
RJUME-05-25	Adjustable	2,500	17,500	17,500	253	253	
RJUME-05-30	Adjustable	3,750	26,250	26,250	374	374	
RJUME-05-40	Adjustable	6,000	42,000	42,000	713	713	
RJUME-05-50	Adjustable	8,750	61,250	61,250	1,168	1,168	

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

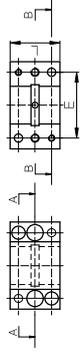


drylin® R pillow blocks | Product range

Split anodised aluminium housing, screwed, short design

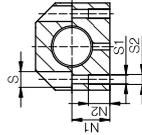


Order key



Sectional view A

Sectional view B



Type

T J U M-05-16



Size

Inner Ø d1



Open



Liner

Metric

Compact

Inner Ø d1

- 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⁾		Fmax. dynamic ⁸²⁾		Fmax. static ⁸²⁾		Weight
	[mm]	[N]	p = 5MPa	p = 35MPa	[N]	[g]	
TJUM-05-16	+0,030 +0,120	1,200	8,400	8,400	10,500	105	
TJUM-05-20	+0,030 +0,120	1,500	10,500	10,500	17,500	137	
TJUM-05-25	+0,030 +0,120	2,500	17,500	17,500	26,250	253	
TJUM-05-30	+0,040 +0,135	3,750	26,250	26,250	42,000	377	
TJUM-05-40	+0,040 +0,135	6,000	42,000	42,000	720	720	

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



1120 Online tools and more information ▶ www.igus-asean.com/drylinR

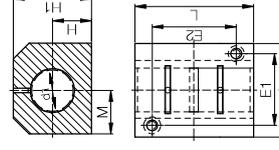


drylin® R pillow blocks | Product range

Closed, anodised aluminium housing, tandem design

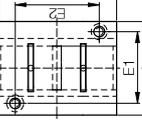


Order key



Sectional view A

Sectional view B



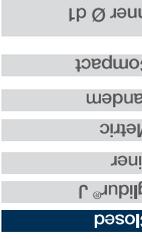
Type

R J U M T-05-12



Size

Inner Ø d1



Closed

Liner

Metric

Tandem

Compact

Inner Ø d1

- 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⁾		Fmax. dynamic ⁸²⁾		Fmax. static ⁸²⁾		Weight
	[mm]	[N]	p = 5MPa	p = 35MPa	[N]	[g]	
RJUMT-05-12	+0,030 +0,088	840	5,880	5,880	8,400	170	
RJUMT-05-16	+0,030 +0,088	1,200	8,400	8,400	10,500	250	
RJUMT-05-20	+0,030 +0,091	1,500	10,500	10,500	17,500	300	
RJUMT-05-25	+0,030 +0,091	2,500	17,500	17,500	26,250	550	
RJUMT-05-30	+0,040 +0,110	3,750	26,250	26,250	42,000	750	
RJUMT-05-40	+0,040 +0,115	6,000	42,000	42,000	72,000	1,500	
RJUMT-05-50	+0,050 +0,150	8,750	61,250	61,250	105,000	2,400	

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



3D CAD files, prices and delivery time online ▶ www.igus-asean.com/drylinR 1121

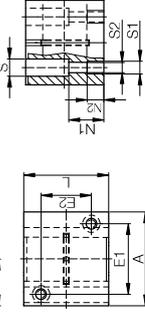
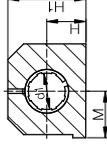


drylin® R pillow blocks | Product range

Closed, anodised aluminium housing, long design



Order key



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

⁷⁸⁾ According to igus® testing method ▶ Page 1146⁸²⁾ 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⁾		Fmax. dynamic ⁸²⁾		Fmax. static ⁸²⁾		Weight
	[mm]	[N]	[N]	[N]	[N]	[g]	
RJUM-06-12	+0,030	+0,088	960	6,720	10,080	121	
RJUM-06-16	+0,030	+0,088	1,440	10,080	15,750	211	
RJUM-06-20	+0,030	+0,091	2,250	15,750	25,375	323	
RJUM-06-25	+0,030	+0,091	3,625	25,375	35,700	651	
RJUM-06-30	+0,040	+0,110	5,100	35,700	56,000	1,050	
RJUM-06-40	+0,040	+0,115	8,000	56,000	87,500	1,820	
RJUM-06-50	+0,050	+0,150	12,500	87,500		3,250	

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

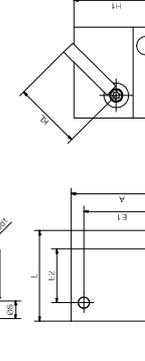
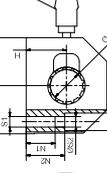


drylin® R pillow blocks | Product range

Closed, anodised aluminium housing, long design with manual clamp



Order key



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

⁷⁸⁾ According to igus® testing method ▶ Page 1146⁸²⁾ 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									
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	Weight
	[mm]	[N]	[N]	[N]	[N]	[g]		
RJUM-06-12-HK	+0,030	+0,088	960	6,720	10,080	400	0,098	
RJUM-06-16-HK	+0,030	+0,088	1,440	10,080	15,750	400	0,164	
RJUM-06-20-HK	+0,030	+0,091	2,250	15,750	25,375	1,000	0,275	
RJUM-06-30-HK	+0,030	+0,091	3,625	25,375	35,700	1,000	0,544	
RJUM-06-40-HK	+0,040	+0,110	5,100	35,700	56,000	1,000	0,832	
RJUM-06-50-HK	+0,040	+0,115	8,000	56,000	87,500	1,000	1,513	
RJUM-06-50-HK	+0,050	+0,150	12,500	87,500		1,000	2,568	

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

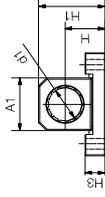


drylin® R pillow blocks

Closed, anodised aluminium, floating pillow blocks



Order key



Type

R J U M-06-12 - LL

Size

Closed

Options

Floating bearing

Long design

Metric

Liner

Igidur® J

Inner Ø d1



⁷⁸⁾ According to igus® testing method ▶ Page 1146

⁸²⁾ Design tips ▶ Page 1078

Please note: Installation instructions ▶ Page 1079

Floating bearing ▶ Page 1078



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⁾ [N]	Weight [g]
	[mm]	[mm]		
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):



1124 Online tools and more information ▶ www.igus-asean.com/drylinR

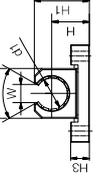


drylin® R pillow blocks

Open, anodised aluminium, floating pillow blocks



Order key



Type

O J U M-06-12 - LL

Size

Open

Options

Floating bearing

Long design

Metric

Liner

Igidur® J

Inner Ø d1



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⁾ [N]	Fmax. static ⁸²⁾ with load at 180° [N]	Weight [g]
	[mm]	[mm]			
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):



3D CAD files, prices and delivery time online ▶ www.igus-asean.com/drylinR 1125



drylin® R pillow blocks | Product range

Open, anodised aluminium housing, long design



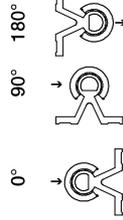
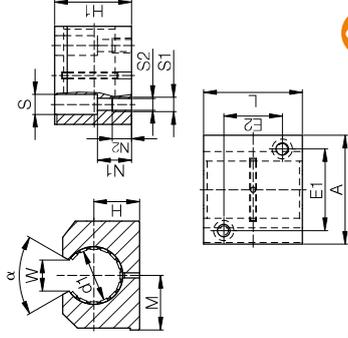
Order key

Type: Open

Size: Inner Ø d1

Options: Long design, Metric, Liner, iglidur® J

O J U M-06-12



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.
													-1		
													±0.01; -0.014		
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⁾			Fmax. static ⁸²⁾			Weight
		p = 5MPa			p = 35MPa			
		0°	90°	180°	0°	90°	180°	[g]
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	29,795	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):

1126 Online tools and more information ▶ www.igus-asean.com/drylinR

drylin® R pillow blocks | Product range

Open, anodised aluminium housing, long design with manual clamp



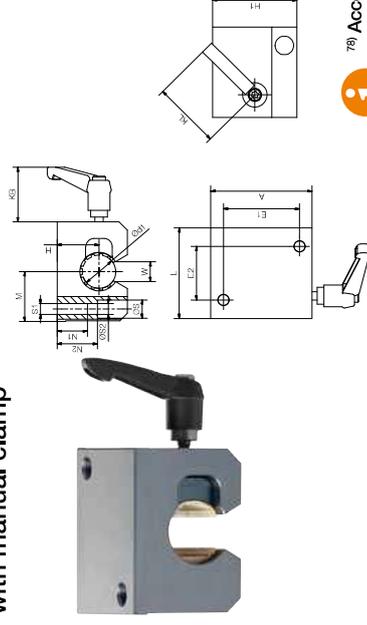
Order key

Type: Open

Size: Inner Ø d1

Options: Long design, Metric, Liner, iglidur® J

O J U M-06-12 - HK



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.
													-1			
													±0.01; -0.014			
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

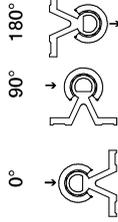
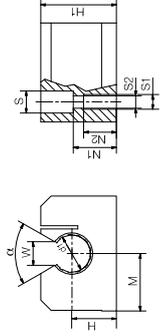
Part No.	d1 tolerance ⁷⁸⁾	Fmax. dynamic ⁸²⁾			Fmax. static ⁸²⁾			Clamp force Weight axial	
		p = 5MPa			p = 35MPa				
		0°	90°	180°	0°	90°	180°	[N]	[g]
OJUM-06-12-HK	+0,030 +0,088	960	635	240	6,720	4,445	1,680	400	0,098
OJUM-06-16-HK	+0,030 +0,088	1440	990	396	10,080	6,943	2,772	400	0,164
OJUM-06-20-HK	+0,030 +0,091	2250	1800	900	15,750	12,600	6,300	400	0,275
OJUM-06-25-HK	+0,030 +0,091	3625	2953	1523	25,375	20,670	10,658	1,000	0,544
OJUM-06-30-HK	+0,040 +0,110	5100	4250	2278	35,700	29,795	15,946	1,000	0,832
OJUM-06-40-HK	+0,040 +0,115	8000	6810	3800	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):

3D CAD files, prices and delivery time online ▶ www.igus-asean.com/drylinR 1127

drylin® R pillow blocks | Product range

Open, anodised aluminium housing, long design, adjustable



- 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



Order key

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

Dimensions [mm]

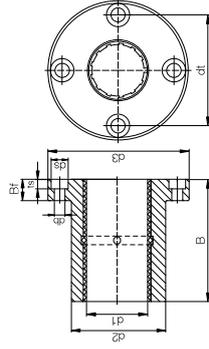
d1	H	H1	A	M	E1	E2	S	S1	S2	S3	N1	N2	W	α	L	Part No.
					±0.02	±0.15							-1			
12	18	28	43	21.5	32	23	8.0	M5	4.3	M4	16.5	11	10.2	78	39	OJUME-06-12
16	22	35	53	26.5	40	26	10.0	M6	5.3	M4	21.0	13	11.6	78	43	OJUME-06-16
20	25	42	60	30.0	45	32	11.0	M8	6.6	M5	24.0	18	12.0	60	54	OJUME-06-20
25	30	51	78	39.0	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						
		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):





⁷⁸⁾ According to igus® testing method ▶ Page 1146

⁸²⁾ Design tips ▶ Page 1078

Please note: Installation instructions ▶ Page 1079

Dimensions [mm]

d1	d2	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):



Order key

Type	Size
With flange	
iglidur® J	
Liner	
Metric	
Round design	
Inner Ø d1	

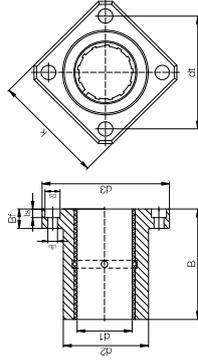
F J U M-01-10-LL

Option:
LL: Floating bearing

Technical data

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

Closed, anodised aluminium adapter, square flange

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

Please note: Installation instructions ▶ Page 1079

Dimensions [mm]

d1	d2	d3	dt	k	B	Bf	ts	db	ds	Part No.
±0.01	h7		±0.15	±0.15						
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):



Order key

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

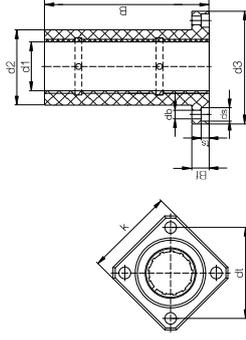
Option:
LL: Floating bearing

Technical data

Part No.	d1 tolerance ⁷⁸⁾ [mm]	Fmax. static or dynamic ⁸²⁾ [N]	Fmax. static ⁸²⁾ with load at 180° [N]	Weight [g]
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, square flange, tandem design



- Equipped with two liners to increase the guide length



- 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	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):



drylin® R flanged linear plain bearings | Product range



Order key

Type	Size
With flange	F J U M T-02-10-LL
Linear	
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]	Weight [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

drylin® R quad blocks | Product range
Closed design

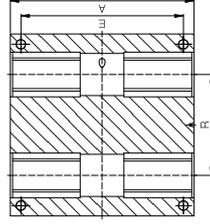
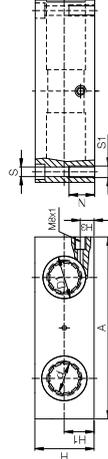
Order key



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

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

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



Please note:
Installation instructions
▶ Page 1079

Dimensions [mm]

d	D1	A	H	H1	H3	R	N	E	S	S1	Part No. Standard with	Self-aligning with	Solid plastic bearings with
8	16	65	23	11,5	8	32	11	55	4,3	M5	RQA-01-08	RJUM-01	RQA-04-08
10	19	70	25	12,5	10	34	13	60	4,3	M5	RQA-01-10	RJUM-03	RQA-04-10
12	22	85	32	16	13	42	13	73	5,3	M6	RQA-01-12	RJUM-03	RQA-04-12
16	26	100	36	18	15	54	13	88	5,3	M6	RQA-01-16	RJUM-03	RQA-04-16
20	32	130	46	23	19	72	18	115	6,6	M8	RQA-01-20	RJUM-03	RQA-04-20
25	40	160	56	28	24	88	22	140	8,4	M10	RQA-01-25	RJUM-03	RQA-04-25
30	47	180	64	32	27	96	26	158	10,5	M12	RQA-01-30	RJUM-03	RQA-04-30
40	62	230	80	40	35	122	34	202	13,5	M16	RQA-01-40	RJUM-03	RQA-04-40

Are equipped with:



RJUM-01



RJUM-03



RJUM-04



RJUM-05



RJUM-06



RJUM-07



RJUM-08

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



J



E7



X

drylin® R quad blocks | Product range
Open design

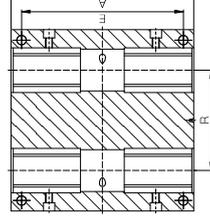
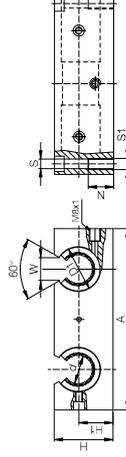
Order key



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

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

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



Please note:
Installation instructions
▶ Page 1079

Dimensions [mm]

d	D1	A	H	H1	W	R	N	E	S	S1	Part No. Standard with	Self-aligning with
12	22	85	30	18	14	42	13	73	5,3	M6	OQA-01-12	OJUM-03
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:



OJUM-01



OJUM-03



J



E7



X

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

Closed, tandem design

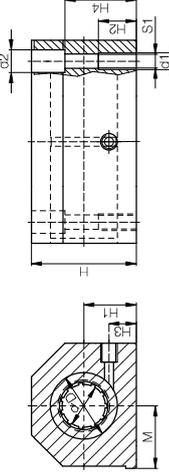


Order key



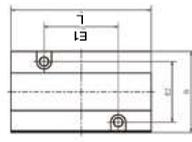
Type	Option	Size
Tandem housing with RJUM bearings	Aluminum housing	Inner Ø
	Standard with RJUM-01	

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



Please note:
Installation instructions
▶ Page 1079

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



Dimensions [mm]

d	D	H	H1	H2	H3	H4	S1	B	L	M	E1	E2	d1	d2	Part No.	Self-aligning bearings		Solid plastic bearings
																Standard with	with	
H6	+0,01	-0,02	+0,3	±0,02	±0,15	±0,15										RJUM-01	RJUM-03	RJM-01
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):



Open, tandem design

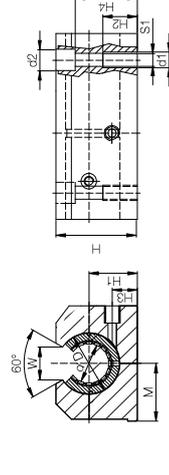


Order key



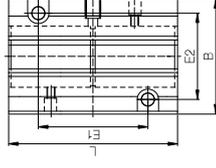
Type	Option	Size
Tandem housing with OJUM bearings	Aluminum housing	Inner Ø
	Standard with OJUM-01	

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



Please note:
Installation instructions
▶ Page 1079

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



Dimensions [mm]

d	D	H	H1	H2	H3	H4	S1	B	L	M	E1	E2	d1	d2	W	Part No.	Self-aligning	
																	Standard with	with
H6	+0,01	-0,02	+0,3	±0,02	±0,15	±0,15										OJUM-01	OJUM-03	
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):



Closed, long design



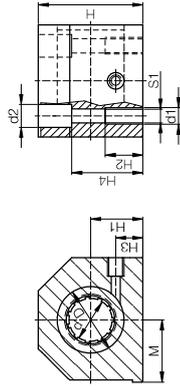
Order key

Type	Option	Size
Linear housing with RUM bearing	Aluminium housing	Standard with RUM-01
RG A - 01 - 12		Inner Ø

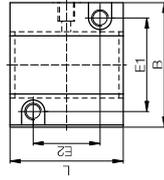


- Housing: Aluminium, equipped with drylin® R linear plain bearings

Options:
01: Standard with RUM-01
03: with RUM-03
04: with RUM-01



Please note:
Installation instructions
▶ Page 1079



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	-0.02	$\pm 0.3 \pm 0.02 \pm 0.15 \pm 0.15$											Standard with RUM-01	with RUM-03	with RUM-01	
8	16	28	13	10	8	14	M4	35	32	17.5	25	20	3.2	6	RG A-01-08	-	RG A-04-08
12	22	35	18	11	10	25	M5	43	39	21.5	32	23	4.2	6	RG A-01-12	RG A-03-12	RG A-04-12
16	26	42	22	13	12	30	M6	53	43	26.5	40	26	5.2	10	RG A-01-16	RG A-03-16	RG A-04-16
20	32	50	25	18	13	34	M8	60	54	30.0	45	32	6.8	11	RG A-01-20	RG A-03-20	RG A-04-20
25	40	60	30	22	15	40	M10	78	67	39.0	60	40	8.6	15	RG A-01-25	RG A-03-25	RG A-04-25
30	47	70	35	22	16	48	M10	87	79	43.5	68	45	8.6	15	RG A-01-30	RG A-03-30	RG A-04-30
40	62	90	45	26	20	60	M12	108	91	54.0	86	58	10.3	18	RG A-01-40	RG A-03-40	RG A-04-40

Are equipped with:



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



Open, long design



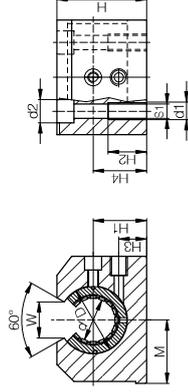
Order key

Type	Option	Size
Linear housing with OUM bearing	Aluminium housing	Standard with OUM-01
OG A - 01 - 12		Inner Ø

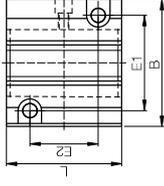


- Housing: Aluminium, equipped with drylin® R linear plain bearings

Options:
01: Standard with OUM-01
03: with OUM-03



Please note:
Installation instructions
▶ Page 1079



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	-0.02	$\pm 0.3 \pm 0.02 \pm 0.15 \pm 0.15$											+0.6	Standard with OUM-01	with OUM-03	
12	22	28	18	11	8	25	M5	43	39	21.5	32	23	4.2	8	14	OG A-01-12	OG A-03-12
16	26	35	22	13	12	30	M6	53	43	26.5	40	26	5.2	10	17	OG A-01-16	OG A-03-16
20	32	42	25	18	13	34	M8	60	54	30.0	45	32	6.8	11	17	OG A-01-20	OG A-03-20
25	40	51	30	22	15	40	M10	78	67	39.0	60	40	8.6	15	21	OG A-01-25	OG A-03-25
30	47	60	35	22	16	48	M10	87	79	43.5	68	45	8.6	15	21	OG A-01-30	OG A-03-30
40	62	77	45	26	20	60	M12	108	91	54.0	86	58	10.3	18	27	OG A-01-40	OG A-03-40

Are equipped with:



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



Closed, short design



Order key



Type	Option	Size
------	--------	------

RGAS-01 - 12

Linear housing with RUM bearing	Aluminium housing	Standard with RJUM-01	Inner Ø
		Small	
		Standard with RJUM-01	

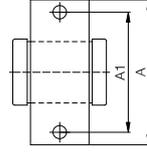
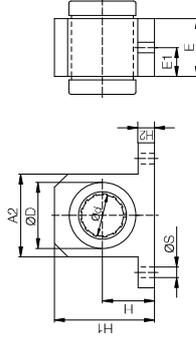
- Housing: Aluminium, equipped with drylin® R linear plain bearings

- Variations:

Standard: RGAS-01-Ø

Self-aligning: RGAS-03-Ø

Solid plastic bearing (cost-effective, lightweight): RGAS-04-Ø

Please note:
Installation instructions
▶ Page 1079

Dimensions [mm]

d	D	H	H1	H2	A	A1	A2	E	E1	S	Part No. Standard with	Self-aligning with	Solid plastic bearings with
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:



RJUM-01

RJUM-03

RJUM-04

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



J

E7

X

Open, short design



Order key



Type	Option	Size
------	--------	------

OGAS-01 - 12

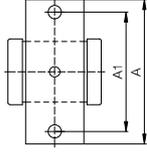
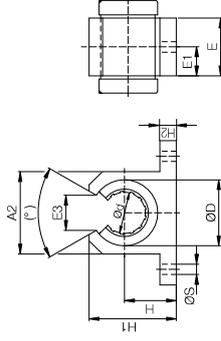
Linear housing with OJUM bearing	Aluminium housing	Standard with OJUM-01	Inner Ø
		Small	
		Standard with OJUM-01	

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

- Variations:

Standard: OGAS-01-Ø

Self-aligning: OGAS-03-Ø

Please note:
Installation instructions
▶ Page 1079

Dimensions [mm]

d	D	H	H1	H2	A	A1	A2	E	E1	E3	S	Part No. Standard with	Self-aligning with	
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:



OJUM-01

OJUM-03

OJUM-04

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



J

E7

X

drylin® R shaft guides | igus® testing method

igus® testing method for measuring the tolerance of drylin® linear plain bearings

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]	Ø 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

drylin® R shaft guides | igus® testing method

Part No.	Test force [N]	Ø 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:

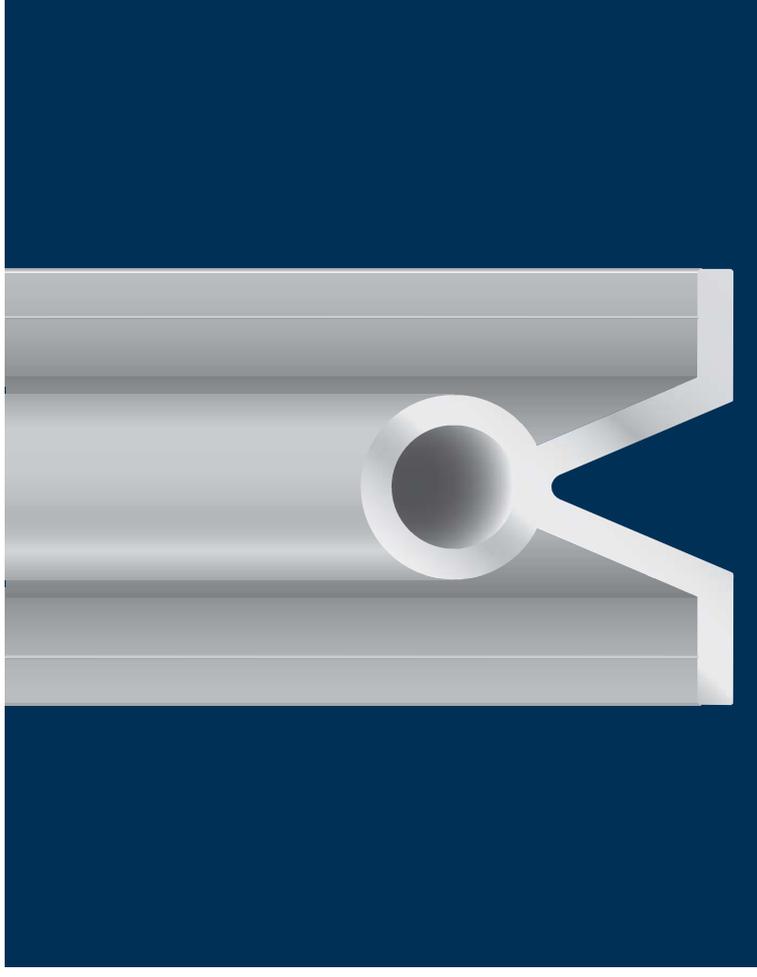
The maximum values are the result of the projected surface and 35MPa surface pressure.



Tightening torque for drylin® connections between metal parts

Metric thread (Da)	Tightening torque [Nm]	Recommended tightening torque [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



drylin[®] linear technology – drylin[®] shafts

Hard-anodised aluminium shafts for optimum running performance

Stainless steel for high corrosion resistance

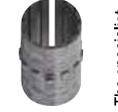
Hardened steel and stainless steel shafts

Carbon fibre shafts

Round shafts with or without support



Suitable liner materials:

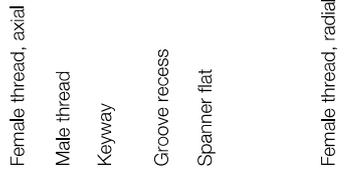
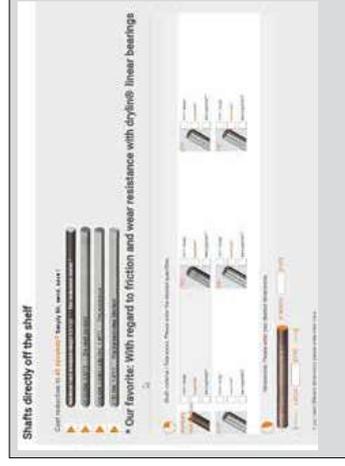
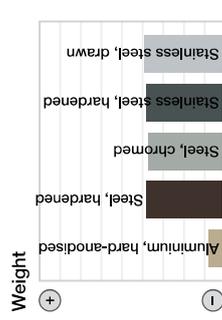
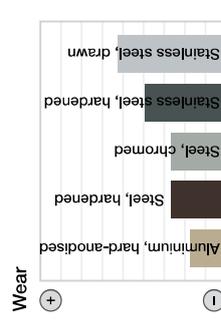
					
Potential counter partner	The all-rounder - iglidur® J	The specialist - iglidur® J200	The extreme - iglidur® X	The FDA-compliant - iglidur® A180	Blue Sky Thinking FDA/VEU-compliant iglidur® A160
All shaft materials	Hard-anodised aluminium	Hardened stainless steel	Steel/stainless steel shaft	All shaft materials	Stainless steel
Application temperature	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	Steel/stainless steel shaft	Stainless steel shaft	Hardened stainless steel shafts
Maximum service life with	Hard-anodised aluminium	Hardened stainless steel	Steel/stainless steel shaft	Stainless steel shaft	Hardened stainless steel shafts
Permissible stat. surface pressure	35MPa	23MPa	18MPa	29MPa	15MPa
Moisture absorption	1.3% weight	0.7% weight	< 0.1% weight	0.2% weight	< 0.1% weight
Volume resistance	> 10 ¹⁰ Ocm	> 10 ¹⁰ Ocm	> 10 ¹⁰ Ocm	> 10 ¹⁰ Ocm	> 10 ¹⁰ Ocm
More information	▶ Page 159	▶ Page 261	▶ Page 279	▶ Page 401	▶ Page 419

Available shaft materials:

- | | | |
|---|--|--|
| <p>Aluminium</p> <ul style="list-style-type: none"> ● Ideal in combination with liners made from iglidur® J/J200 ● Lightweight ● Low wear ● Corrosion-free ● Available from stock | <p>Stainless steel</p> <ul style="list-style-type: none"> ● E7 liners for up to 8 times longer service life ● Cost-effective standard ● High load capacity ● Dry area applications ● Hard chrome-plated also available ● Lower coefficient of friction against plastic bearings | <p>Stainless steel</p> <ul style="list-style-type: none"> ● A180 liners for food and pharmaceutical applications ● Corrosion resistance ● High chemical resistance ● Ideal solution for wet applications ● 316 stainless steel for extremely chemical intensive applications |
|---|--|--|



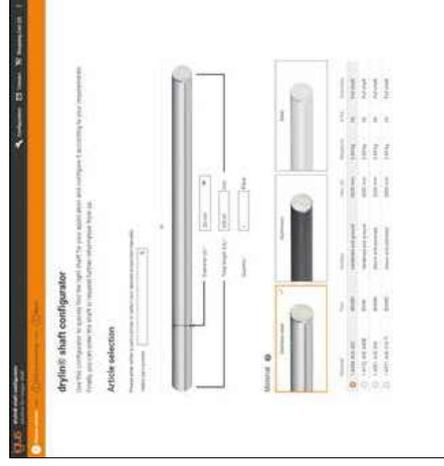
Please remember that this is a technical surface. Small colour variations are possible due to variable coating depths.



Special machining

All shafts can be individually machined. Please send us your drawing. We can then provide a quotation quickly.

Inquiries can be put online as well:
 ▶ www.igus-asean.com/shaftinquiry

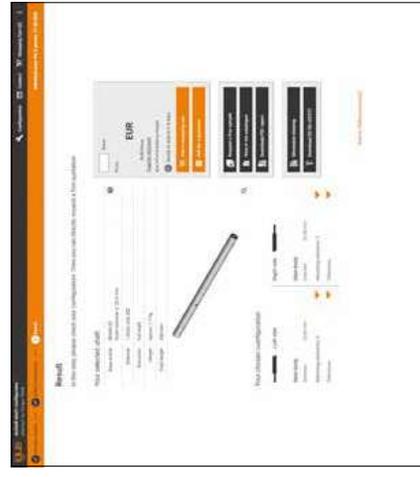
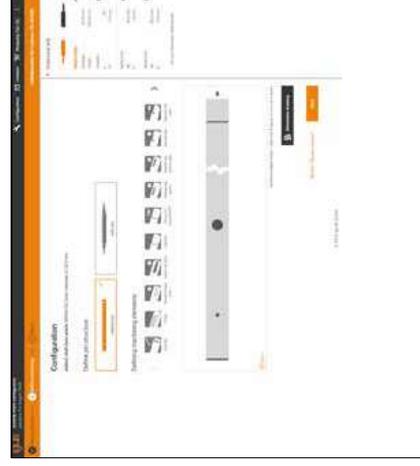


Configurator for guide shafts; guide shafts with machining – anyone can configure online

With this online tool, guide shafts with and without machining can be individually configured and ordered. Fast and easy with no previous CAD experience. All in all, the tool makes it possible to order 7 shaft materials from Ø 6 to 50mm. Order online, delivered quickly,

- Add chamfers with just one click
- Offset machined end possible
- Radial and axial holes, with or without female thread
- With plausibility check
- Live price display

▶ www.igus-asean.com/shaft-configurator



drylin® shafts | Product range

Material	Aluminium				Steel				
	AWMP AWMPV	AWMU	AWMR	AWMH	SWUM SWUMN	SWM	SWMH	SWUMH SWUMHN	
Designation	EN AW 6061/6060				AISI 1055				1.1213 HV
Material	EN AW 6061/6060				AISI 1055				1.1213 HV
Availability									
Ø 6	●		▲	▲			▲		
Ø 8	●		▲	▲			▲		
Ø 10	●	●	▲	▲			▲		
Ø 12	●	●	▲	▲	▲		▲	▲	
Ø 16	●	●	▲	▲	▲		▲	▲	
Ø 20	●	●	▲	▲	▲		▲	▲	
Ø 25	●	●	▲	▲	▲		▲	▲	
Ø 30	● ⁽⁶⁴⁾ / ●	●	▲	▲	▲		▲	▲	
Ø 40	● ⁽⁶⁴⁾ / ●	●	▲	▲	▲		▲	▲	
Ø 50	● ⁽⁶⁴⁾		▲	▲	▲		▲	▲	
Ø 60	● ⁽⁶⁴⁾		▲	▲	▲		▲	▲	
Ø Tolerance									
	h8	-0,1mm	h9	h6	h6	h6	h7	h7	
Max. supply length Ø 8–10mm									
	3,000	-	-	3,000	-	-	-	3,000	
Max. supply length Ø 12–50mm									
	3,000	4,000	3,000	6,000	6,000	6,000	6,000	6,000	
Surface									
	hard-anodised				hardened/ground				hard chromed
Surface roughness Ra									
	< 0.6				0.15–0.3				
Hardness									
	up to 550 HV				60+4 HRC				
Roundness									
	≤ 1/2 Ø Tolerance				≤ 1/2 Ø Tolerance				

Delivery time: ● From stock ▲ simply cut shafts 3–8 days; machined shafts 12 days
⁽⁶⁴⁾ Hollow profile 30 · 7.5; 40 · 10; 50 · 11

Material	Stainless steel, hardened				Drawn stainless steel				Carbon fibre	
	EWUM EWUMN	EEWM	EEWUM EEWUMN	EWUMH	EWMR	EWMS	EWUMS	EWUMH		
Designation	AISI 440B				AISI 304				AISI 316Ti	CFK Composite
Material	AISI 440B				AISI 304				AISI 316Ti	CFK Composite
Availability										
Ø 6	▲		▲	▲			▲			
Ø 8	▲		▲	▲			▲			
Ø 10	▲		▲	▲			▲			
Ø 12	▲		▲	▲	▲		▲	▲	▲	
Ø 16	▲		▲	▲	▲		▲	▲	▲	
Ø 20	▲		▲	▲	▲		▲	▲	▲	
Ø 25	▲		▲	▲	▲		▲	▲	▲	
Ø 30	▲		▲	▲	▲		▲	▲	▲	
Ø 40	▲		▲	▲	▲		▲	▲	▲	
Ø 50	▲		▲	▲	▲		▲	▲	▲	
Ø 60	▲		▲	▲	▲		▲	▲	▲	
Ø Tolerance										
	h6	h6	h6	h6	h9	h9	h9	h9	-0,1mm	
Max. supply length Ø 8–10mm										
	-	-	3,000	-	-	-	-	-	2,000	
Max. supply length Ø 12–50mm										
	6,000	6,000	6,000	6,000	3,000	3,000	3,000	3,000	2,000	
Surface										
	hardened/ground				drawn, polished				UCU unidirectional/ cross winding/ unidirectional	
Surface roughness Ra										
	0.15–0.3				0.3–0.6				< 0.6µm	
Hardness										
	52+8 HRC				soft				-	
Roundness										
	≤ 1/2 Ø Tolerance				≤ 1/2 Ø Tolerance				± 0.05mm	



AWMR AWMR

Order key

Type	Size	Options
Aluminium shaft	AWM P - 06 - 2000	Shaft length [mm]
Metric		Outer Ø
Precise		

AWMP: Solid shaft up to Ø 25mm
Hollow shaft from Ø 30mm
AWMR: Tube

- !** igus® recommendation: Linear plain bearings equipped with iglidur® J200 liners for the longest service life

i Hard-anodised surfaces
▶ Page 958
Minimum saw lengths
▶ Page 961

- Material: EN AW 6061/6060
- Straightness: EN 754-3
- Hardness: 75 HB
- Surface: hard-anodised
- Hardness: up to 550 HV
- Imperial shafts available upon request

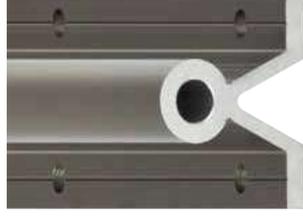
🖨 Please contact us!
drylin® shafts can be individually machined. Please send us your drawing or configure online. We can then provide a quotation quickly.
▶ www.igus-asean.com/shaft-configurator

Dimensions [mm]

Part No.	Design	Outer Ø	Tolerance	Insulation thickness	Inner Ø	Max. length	Weight [kg/m]
AWMP-06	Solid shaft	6	h8	-	-	3,000	0.08
AWMP-08	Solid shaft	8	h8	-	-	3,000	0.14
AWMP-10	Solid shaft	10	h8	-	-	3,000	0.22
AWMP-12	Solid shaft	12	h8	-	-	3,000	0.32
AWMR-12	Tube	12	h8	2	8	3,000	0.17
AWMP-16	Solid shaft	16	h8	-	-	3,000	0.56
AWMR-16	Tube	16	h8	2	12	3,000	0.25
AWMP-20	Solid shaft	20	h8	-	-	3,000	0.88
AWMR-20	Tube	20	h9	2	16	3,000	0.32
AWMP-25	Solid shaft	25	h8	-	-	3,000	1.37
AWMR-25	Tube	25	h9	3	19	3,000	0.59
AWMP-30	Hollow shaft	30	h8	7.5	15	3,000	1.48
AWMPV-30	Solid shaft	30	h8	-	-	3,000	1.9
AWMP-40	Hollow shaft	40	h8	10	20	3,000	2.63
AWMPV-40	Solid shaft	40	h8	-	-	3,000	3.4
AWMP-50	Hollow shaft	50	h8	11	28	3,000	3.75
AWMP-60	Hollow shaft	60	h8	11	38	3,000	4.7



Order example: AWM P-12-500: Precision aluminium shaft, 12mm Ø, 500mm length

1154 Online tools and more information ▶ www.igus-asean.com/shafts

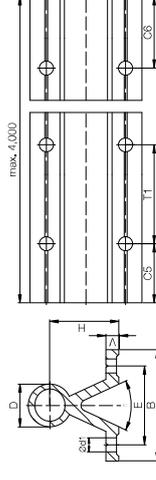
AWMU

Order key

Type	Size	Options
Aluminium shaft	AWM U - 12 - 2000	Shaft length [mm]
Metric		Supported
		Outer Ø

i Hard-anodised surfaces
▶ Page 958
Minimum saw lengths
▶ Page 961

- Material: EN AW 6061/6060
- Straightness: DIN 12020
- Hardness: 75 HB
- Surface: hard-anodised
- Hardness: up to 550 HV
- Symmetrical standard hole pattern C5 = C6



Dimensions [mm]

Part No.	D	B	H	V	d1	°	E	T1	C5/C6	Min. length	Max. length	Weight [kg/m]	Iz [mm ⁴]	Iy [mm ⁴]	Wby [mm ³]	Wbz [mm ³]	
AWMU-12	12	40	22	5	4.5	50	±0.25	29	75	20	57	4,000	0.75	26,600	19,700	1,330	1,091
AWMU-16	16	45	26	5	5.5	50		33	100	20	69	4,000	1.00	40,000	39,200	1,778	1,844
AWMU-20	20	52	32	6	6.6	50		37	100	20	69	4,000	1.42	76,600	86,200	2,946	3,336
AWMU-25	25	57	36	6	6.6	50		42	120	20	79	4,000	1.81	109,800	146,700	3,853	5,103
AWMU-30	30	69	42	7	9.0	50		51	150	20	94	4,000	2.69	226,900	328,700	6,577	10,049
AWMU-40 ⁸⁹⁾	40	73	50	8	9.0	50		55	200	20	119	4,000	4.06	382,100	734,800	10,468	19,160

⁸⁹⁾ The tolerance for the shaft diameter D amounts -0.15

Order example: AWMU-16-500: supported aluminium shaft, 16mm Ø, 500mm length

3D CAD files, prices and delivery time online ▶ www.igus-asean.com/shafts 1155



SWM SWUMN SWUM

- Completely supported and mounted with standard aluminium support
- Available shaft materials:
 - ▶ C153 steel (AISI 1055), hardened/ground
 - ▶ C153 steel (AISI 1055), hard-chromed
- For supported shafts:
 - ▶ Partial shaft support supplied in lengths of 600mm max.
 - ▶ Standard pitch T2, T1 also possible upon request
 - ▶ Symmetrical hole pitches C5 = C6



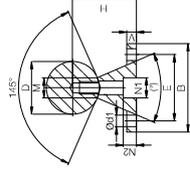
Order key

Type	Size	Options
Steel shaft	SWM-06 - 2000	Shaft length [mm]
Metric		Outer Ø

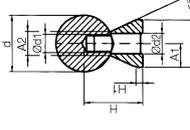


igus® recommendation: Linear plain bearings equipped with iglidur® E7 liners for 8 times longer service life

SWUM



SWUMN



Please contact us!

drylin® shafts can be individually machined. Please send us your drawing or configure online. We can then provide a quotation quickly.

▶ www.igus-asean.com/shaft-configurator

Dimensions [mm] – steel shafts 1.1213

Part No.	Outer Ø	Weight [kg/m]	Max. length	Effective hardness depth (at 1.1213)
SWM-06	6	0,222	3,000	0,8
SWM-08	8	0,359	4,000	0,9
SWM-10	10	0,617	4,000	0,9
SWM-12	12	0,888	6,000	1,0
SWM-16	16	1,578	6,000	1,2
SWM-20	20	2,466	6,000	1,6
SWM-25	25	3,853	6,000	1,8
SWM-30	30	5,549	6,000	2,0
SWM-40	40	9,865	6,000	2,2
SWM-50	50	15,413	6,000	2,4

Dimensions [mm] – hard-chromed steel shafts 1.1213

Part No.	Outer Ø	Weight [kg/m]	Max. length	Effective hardness depth (at 1.1213)
SWMH-06	6	0,222	3,000	0,8
SWMH-08	8	0,359	4,000	0,9
SWMH-10	10	0,617	4,000	0,9
SWMH-12	12	0,888	6,000	1,0
SWMH-16	16	1,578	6,000	1,2
SWMH-20	20	2,466	6,000	1,6
SWMH-25	25	3,853	6,000	1,8
SWMH-30	30	5,549	6,000	2,0
SWMH-40	40	9,865	6,000	2,2
SWMH-50	50	15,413	6,000	2,4



Order example:

SWM-16-500: steel shaft 16mm Ø 1.1213, 500mm in length

1156 Online tools and more information ▶ www.igus-asean.com/shafts

Dimensions [mm] – supported steel shafts 1.1213

Part No.	D	B	H	V	N1	N2	d1	M	E (°)	T1	C5/C6		T2	C5/C6		Weight [kg/m]	
											Min.	Max.		Min.	Max.		
										±0,15	for T1		Standard	for T2			
SWUM-12	12	40	22	5	8,0	5,0	4,5	5,8	50	29	75	20	57	120	20	79	1,75
SWUM-16	16	45	26	5	9,5	6,0	5,5	7,0	50	33	100	20	69	150	20	94	2,64
SWUM-20	20	52	32	6	11,0	6,5	6,6	8,3	50	37	100	20	69	150	20	94	3,97
SWUM-25	25	57	36	6	14,0	8,5	6,6	10,8	50	42	120	20	79	200	20	119	5,65
SWUM-30	30	69	42	7	17,0	10,5	9,0	11,0	50	51	150	20	94	200	20	119	7,93
SWUM-40	40	73	50	8	17,0	10,5	9,0	15,0	50	55	200	20	119	300	20	169	12,88
SWUM-50	50	84	60	9	19,0	12,5	11,0	19,0	46	63	200	20	119	300	20	169	19,60

Dimensions [mm] – supported steel shafts 1.1213

Part No.	d	H	H1	A	A1	A2	d1	d2	T	C5/C6		Weight [kg/m]
										Min.	Max.	
						±0,02						
SWUMN-12	12	14,5	3	11	5,5	5,4	M4	4,5	75	20	57	1,62
SWUMN-16	16	18	3	14	7,0	7,0	M5	5,5	75	20	57	2,54
SWUMN-20	20	22	3	17	8,5	8,1	M6	6,6	75	20	57	3,81
SWUMN-25	25	26	3	21	10,5	10,3	M8	9,0	75	20	57	5,62
SWUMN-30	30	30	3	23	11,5	11,0	M10	11,0	100	20	69,5	7,63
SWUMN-40	40	39	4	30	15,0	15,0	M12	13,5	100	20	69,5	13,47
SWUMN-50	50	46	5	35	17,5	19,0	M14	15,5	100	20	69,5	20,31

Low level supported shafts are delivered unmounted.



Order example:

SWUM-16-500: supported steel shaft 16mm Ø made from 1.1213, 500mm length

3D CAD files, prices and delivery time online ▶ www.igus-asean.com/shafts 1157



igus® recommendation: Linear plain bearings equipped with iglidur® E7 liners for 8 times longer service life



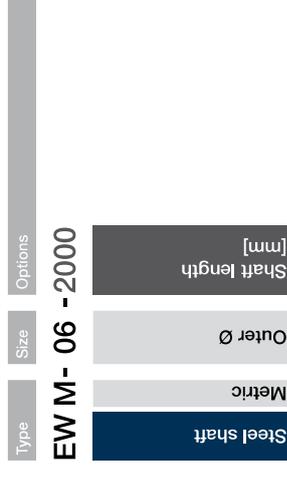
Please contact us!
drylin® shafts can be individually machined. Please send us your drawing or configure online. We can then provide a quotation quickly.
► www.igus-asean.com/shaft-configurator

Dimensions [mm] – hardened stainless steel AISI 440B

Part No.	Outer Ø	Weight [kg/m]	Max. length	Effective hardness depth
EWM-06	6	0,222	3,000	0,8
EWM-08	8	0,359	4,000	0,9
EWM-10	10	0,617	4,000	0,9
EWM-12	12	0,888	6,000	1,0
EWM-16	16	1,578	6,000	1,2
EWM-20	20	2,466	6,000	1,6
EWM-25	25	3,853	6,000	1,8
EWM-30	30	5,549	6,000	2,0
EWM-40	40	9,865	6,000	2,2
EWM-50	50	15,413	6,000	2,4



Order key



Available shaft materials

AISI 440B, hardened/ground ► EWM
 AISI 420C, hardened/ground ► EEW
 AISI 304, drawn ► EWMR
 AISI 316Ti, drawn ► EWMS

Dimensions [mm] – hardened stainless steel AISI 420C

Part No.	Outer Ø	Weight [kg/m]	Max. length	Effective hardness depth
EEWM-06	6	0,222	3,000	0,8
EEWM-08	8	0,359	4,000	0,9
EEWM-10	10	0,617	4,000	0,9
EEWM-12	12	0,888	6,000	1,0
EEWM-16	16	1,578	6,000	1,2
EEWM-20	20	2,466	6,000	1,6
EEWM-25	25	3,853	6,000	1,8
EEWM-30	30	5,549	6,000	2,0
EEWM-40	40	9,865	6,000	2,2
EEWM-50	50	15,413	6,000	2,4

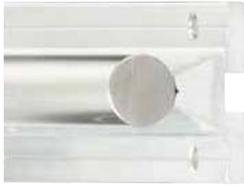
Dimensions [mm] – stainless steel AISI 304 (EWMR) or AISI 316Ti soft stainless steel (EWMS)

Part No.	Outer Ø	Weight [kg/m]	Max. length
EWMR-06	6	0,222	3,000
EWMR-08	8	0,359	3,000
EWMR-10	10	0,617	3,000
EWMR-12	12	0,888	3,000
EWMR-16	16	1,578	3,000
EWMR-20	20	2,466	3,000
EWMR-25	25	3,853	3,000
EWMR-30	30	5,549	3,000
EWMR-40	30	5,549	3,000
EWMR-50	30	5,549	3,000

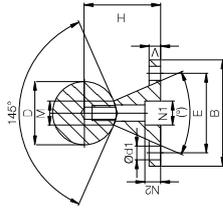


Order example:

EWM-16-500: Stainless steel shaft (AISI 440B) with 16mm Ø, 500mm in length

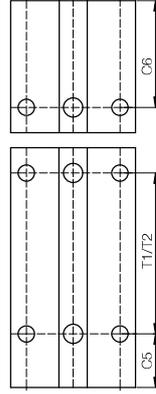


EWUM

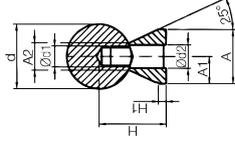


- ! **igus® recommendation:** Linear plain bearings equipped with iglidur® E7 liners for 8 times longer service life

- Completely supported and mounted with standard aluminium support
- For supported shafts:
 - ▶ Shaft support supplied in lengths of 600mm max.
 - ▶ Standard pitch T2, T1 also possible upon request
 - ▶ Symmetrical hole pitches C5 = C6



EWUMN



Order key

Type

Size

Options

EWUMN- 20 -2000-T1

Low level supported stainless steel shaft, metric

Outer Ø

Shaft length [mm]

Hole pattern

EWUM: Supported stainless steel shaft
EWUMN: Low level supported stainless steel shaftAvailable materials and lengths:
AISI 440B, max. 6.000mm

Hole pattern:

T2: T2 pitch (standard)

T1: T1 pitch (upon request)

Dimensions [mm] – supported stainless steel shafts AISI 440B

Part No.	D	B	H	V	N1	N2	d1	M	E	T1	C5/C6		T2	C5/C6	Weight		
											Min.	Max.				Min.	Max.
										±0.15	for T1		Standard				
															for T2		
															Standard		
EWUM-12	12	40	22	5	8.0	5.0	4.5	5.8	50	29	75	20	57	120	20	79	1.75
EWUM-16	16	45	26	5	9.5	6.0	5.5	7.0	50	33	100	20	69	150	20	94	2.64
EWUM-20	20	52	32	6	11.0	6.5	6.6	8.3	50	37	100	20	69	150	20	94	3.97
EWUM-25	25	57	36	6	14.0	8.5	6.6	10.8	50	42	120	20	79	200	20	119	5.65
EWUM-30	30	69	42	7	17.0	10.5	9.0	11.0	50	51	150	20	94	200	20	119	7.93
EWUM-40	40	73	50	8	17.0	10.5	9.0	15.0	50	55	200	20	119	300	20	169	12.88
EWUM-50	50	84	60	9	19.0	12.5	11.0	19.0	46	63	200	20	119	300	20	169	19.60

Order example:

EWUM-16-500-T1: Supported stainless steel shaft (AISI 440B) with 16mm outer Ø 500mm length, T1 pitch

Dimensions [mm] – low level supported stainless steel shafts AISI 440B

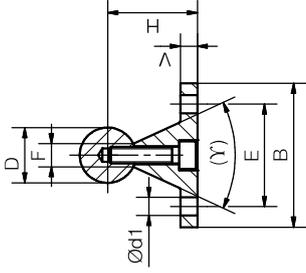
Part No.	Outer Ø	d	±0.02	A1	A2	A	H1	H	±0.02	d1	d2	T	C5/C6		Weight
													Min.	Max.	
EWUMN-12	12	14.5	3	11	5.5	5.4	M4	4.5	75	20	57	1.62			
EWUMN-16	16	18	3	14	7.0	7.0	M5	5.5	75	20	57	2.54			
EWUMN-20	20	22	3	17	8.5	8.1	M6	6.6	75	20	57	3.81			
EWUMN-25	25	26	3	21	10.5	10.3	M8	9.0	75	20	57	5.62			
EWUMN-30	30	30	3	23	11.5	11.0	M10	11.0	100	20	69.5	7.63			
EWUMN-40	40	39	4	30	15.0	15.0	M12	13.5	100	20	69.5	13.47			
EWUMN-50	50	46	5	35	17.5	19.0	M14	15.5	100	20	69.5	20.31			

Low level supported shafts are delivered unmounted.



Order example:

EWUMN-16-500: Low level supported stainless steel shaft (AISI 440B) with 16mm outer Ø, 500mm length

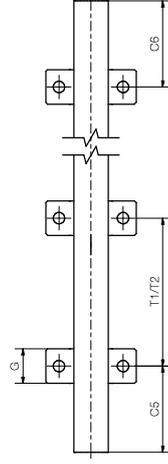
EWUM-ES/
EWUMS-ES

! igus® recommendation: Linear plain bearings equipped with iglidur® E7 liners for 8 times longer service life

Standard shaft support blocks made of stainless steel

- Connection sizes are identical to aluminium supports

► Page 1160



Type

Size

Options

EWUMS-ES- 20 -500 -T2

Partially supported stainless steel shaft, metric

Material

Outer Ø

Shaft length [mm]

Hole pattern

Available materials and lengths:

AISI 440B, max. 6.000mm

▲ EWUM

AISI 316Ti, max. 3.000mm

▲ EWUMS

Options:

Blank: AISI 440B material

S: AISI 316Ti

Hole pattern:

T2: T2 pitch (standard)

T1: T1 pitch

Dimensions [mm] – partially supported stainless steel shafts AISI 440B

Part No.	D h6	B	H	V	d1	E	γ	F	G	T1	C5/C6 for T1		T2 Standard	C5/C6 for T2	
											Min.	Max.		Min.	Max.
EWUM-ES-12	12	40	22	5	4,5	29	-	5,8	14	75	20	57	120	20	79
EWUM-ES-16	16	45	26	5	5,5	33	-	7,0	16	100	20	69	150	20	94
EWUM-ES-20	20	52	32	6	6,6	37	50°	8,3	20	100	20	69	150	20	94
EWUM-ES-25	25	57	36	6	6,6	42	-	10,8	25	150	20	79	200	20	119
EWUM-ES-30	30	69	42	7	9,0	51	-	11,0	25	150	20	94	200	20	119
EWUM-ES-40	40	73	50	8	9,0	55	-	15,0	25	200	20	119	300	20	169



Order example:

EWUM-ES-20-500, partially supported stainless steel shaft (shaft and support made of stainless steel), AISI 440B material, T2 pitch, outer Ø 20mm, L = 500mm

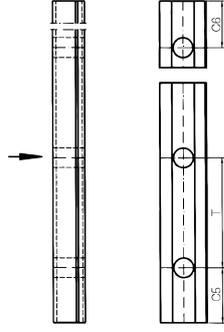
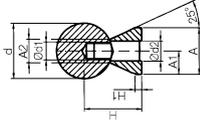
Dimensions [mm] – partially supported stainless steel shafts AISI 316Ti

Part No.	D h6	B	H	V	d1	E	γ	F	G	T1	C5/C6 for T1		T2 Standard	C5/C6 for T2	
											Min.	Max.		Min.	Max.
EWUMS-ES-12	12	40	22	5	4,5	29	-	5,8	14	75	20	57	120	20	79
EWUMS-ES-16	16	45	26	5	5,5	33	-	7,0	16	100	20	69	150	20	94
EWUMS-ES-20	20	52	32	6	6,6	37	50°	8,3	20	100	20	69	150	20	94
EWUMS-ES-25	25	57	36	6	6,6	42	-	10,8	25	150	20	79	200	20	119
EWUMS-ES-30	30	69	42	7	9,0	51	-	11,0	25	150	20	94	200	20	119
EWUMS-ES-40	40	73	50	8	9,0	55	-	15,0	25	200	20	119	300	20	169



Order example:

EWUM-ES-20-500, partially supported stainless steel shaft (shaft and support made of stainless steel), AISI 316Ti material, T1 pitch, outer Ø 20mm, L = 500mm

EWUMN-ES/
EWUMSN-ES

! igus® recommendation: Linear plain bearings equipped with iglidur® E7 liners for 8 times longer service life

Low level shaft support blocks made of stainless steel
 ● Connection sizes are identical to low-level aluminium supports ► [Page 1161](#)



Order key

Type	Size	Options
EWUMSN-ES- 20 -500-T2	Outer Ø	Shaft length [mm]
Partially supported, stainless steel shaft, metric	Material	Hole pattern

Available materials and lengths:

▲ AISI 440B, max. 6,000mm

▲ EWUMN

▲ AISI 316Ti, max. 3,000mm

▲ EWUMSN

Dimensions [mm] – low level partially supported stainless steel shafts AISI 440B

Part No.	d	H	H1	A	A1	A2	d1	d2	T	C5/C6		Weight [kg/m]
										Min.	Max.	
EWUMN-ES-12	12	14.5	3	11	5.5	5.4	M4	4.2	75	20	57.0	1.00
EWUMN-ES-16	16	18.0	3	14	7.0	7.0	M5	5.2	75	20	57.0	1.76
EWUMN-ES-20	20	22.0	3	17	8.5	8.1	M6	6.2	75	20	57.0	2.77
EWUMN-ES-25	25	26.0	3	21	10.5	10.3	M8	8.2	75	20	57.0	4.35
EWUMN-ES-30	30	30.0	3	23	11.5	11.0	M10	10.2	100	20	69.5	6.01
EWUMN-ES-40	40	39.0	4	30	15.0	15.0	M12	12.5	100	20	69.5	10.80

Low-level partially supported stainless steel shafts are supplied unassembled

Dimensions [mm] – low level partially supported stainless steel shafts AISI 316Ti

Part No.	d	H	H1	A	A1	A2	d1	d2	T	C5/C6		Weight [kg/m]
										Min.	Max.	
EWUMSN-ES-12	12	14.5	3	11	5.5	5.4	M4	4.2	75	20	57.0	1.00
EWUMSN-ES-16	16	18.0	3	14	7.0	7.0	M5	5.2	75	20	57.0	1.76
EWUMSN-ES-20	20	22.0	3	17	8.5	8.1	M6	6.2	75	20	57.0	2.77
EWUMSN-ES-25	25	26.0	3	21	10.5	10.3	M8	8.2	75	20	57.0	4.35
EWUMSN-ES-30	30	30.0	3	23	11.5	11.0	M10	10.2	100	20	69.5	6.01
EWUMSN-ES-40	40	39.0	4	30	15.0	15.0	M12	12.5	100	20	69.5	10.80

Low-level partially supported stainless steel shafts are supplied unassembled



Order example:

EWUMN-ES-20-500: Low level partially supported stainless steel shafts, AISI 440B material, T2 pitch (standard), 20mm outer Ø, 500mm length



Order example:

EWUMSN-ES-20-500-T2: Low-level partially supported stainless steel shaft, AISI 316Ti material, T2 pitch, outer Ø 20mm, length 500mm



CWM

- Material: CFK composite
- Roundness tolerance: $\pm 0.05\text{mm}$
- Diameter tolerance: -0.1mm
- Application temperature: max. $+80^\circ\text{C}$
- Colour: Black



Order key

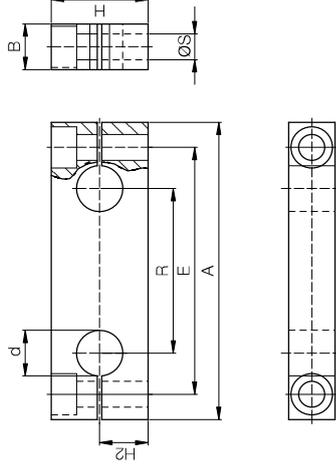
Type	Size	Options
Carbon fibre shaft	CWM- 12 - 1000	Shaft length [mm]
Metric		Outer Ø



Order key

Type	Size
Shaft end support, floating	TA - 08
	Inner Ø

- Material: aluminium
- Threaded fixing hole



Dimensions [mm]

Part No.	Design	Outer Ø	Inner Ø	Max. length	Weight [g]
CWM-12	Hollow shaft	-0.1	-0.1	2,000	70
CWM-16	Hollow shaft	12	9.0	2,000	120
CWM-20	Hollow shaft	16	12.5	2,000	170
CWM-30	Hollow shaft	20	16.0	2,000	270
		30	26.0	2,000	270



Order example:

CWM-16-500: Carbon fibre shaft, 16mm outer Ø, 500mm length

Dimensions [mm]

Part No.	d	A	B	H	H2	Ø S	E	R	Weight [g]
TA-08	8	65	12	22	11	M5	52	32	40
TA-10	10	70	12	21	10.5	M5	55	34	37
TA-12	12	85	14	28	14	M6	70	42	70
TA-16	16	100	18	32	16	M8	82	54	130
TA-20	20	130	20	42	21	M10	108	72	220
TA-25	25	160	25	52	26	M12	132	88	440
TA-30	30	180	25	58	29	M12	150	96	560
TA-40	40	230	30	72	36	M16	190	122	1,000



Order example:

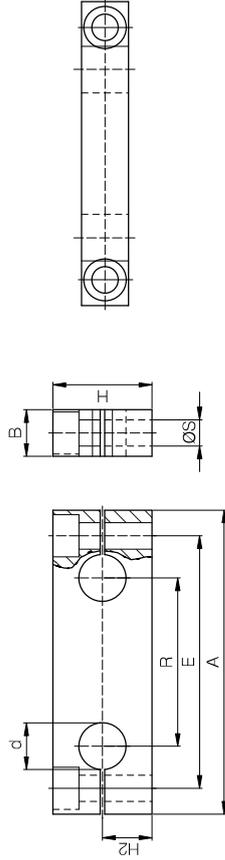
TA-10: floating shaft end support with inner Ø 10mm

Shaft end supports, fixed



Order key

Type	Size
Fixed	TAF -08
Shaft end support	Inner Ø

 Material: aluminium
Through fixing hole


Dimensions [mm]

Part No.	d	A	B	H	H2	Ø S	E	R	Weight [g]
TAF-08	8	65	12	23	12,5	5,5	52	32	40
TAF-10	10	70	12	25	14,0	5,5	55	34	45
TAF-12	12	85	14	32	18,0	6,6	70	42	90
TAF-16	16	100	18	36	20,0	9,0	82	54	140
TAF-20	20	130	20	46	25,0	11,0	108	72	250
TAF-25	25	160	25	56	30,0	13,5	132	88	470
TAF-30	30	180	25	64	35,0	13,5	150	96	620
TAF-40	40	230	30	80	44,0	17,5	190	122	1,150

Order example:

TAF-12: fixed shaft end support with 12mm inner Ø

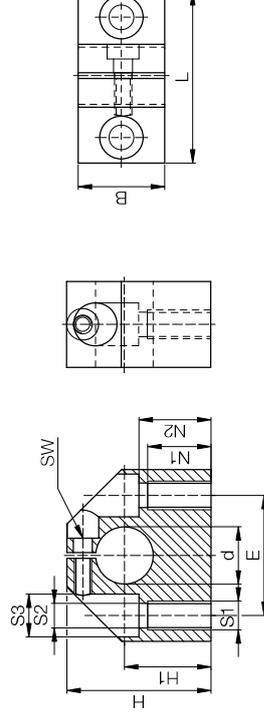
Shaft end blocks, standard design



Order key

Type	Size
Standard design	WA -08
Shaft end block	Inner Ø

Material: aluminium



Dimensions [mm]

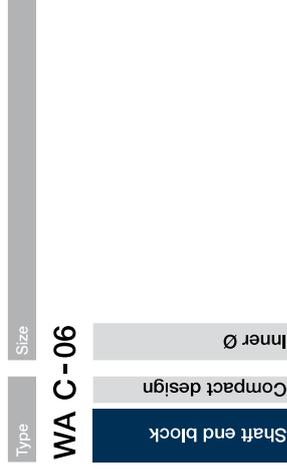
Part No.	d	B	H	H1	L	S1	S2	S3	E	N1	N2	SW	Weight [g]
WA-08	8	18	28	15	32	M4	3,3	6	22	9	13,0	2,5	40
WA-12	12	20	35	20	43	M6	5,2	10	30	13	16,5	3,0	100
WA-16	16	24	42	25	53	M8	6,8	11	38	18	21,0	4,0	150
WA-20	20	30	50	30	60	M10	8,6	15	42	22	25,0	5,0	230
WA-25	25	38	60	35	78	M12	10,3	18	56	26	30,0	6,0	410
WA-30	30	40	70	40	87	M12	10,3	18	64	26	34,0	6,0	530
WA-40	40	48	90	50	108	M16	14,25	20	82	34	44,0	8,0	990
WA-50	50	58	105	60	132	M20	17,5	26	100	43	49,0	10,0	1,250
WA-60	60	74	130	75	164	M27	22	33	124	43	59,0	10,0	2,950

Order example:

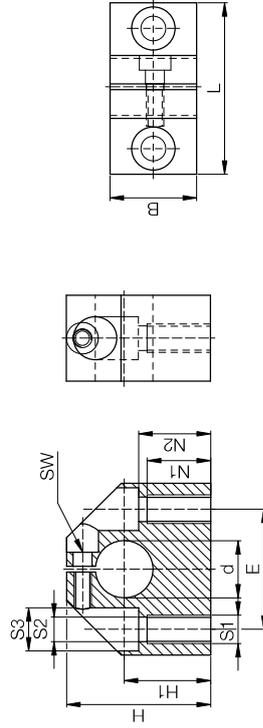
WA-08: shaft end block, standard design with inner Ø 8mm



Order key



Material: aluminium



Dimensions [mm]

Part No.	d	B	H	H1	L	S1	S2	S3	E	N1	N2	SW	Weight [g]
WAC-06	6	16	27	15	32	M5	4,2	8	22	11	13	2,5	30
WAC-08	8	16	27	16	32	M5	4,2	8	22	11	13	2,5	30
WAC-10	10	18	33	18	40	M6	5,2	10	27	13	16	3,0	50
WAC-12	12	18	33	19	40	M6	5,2	10	27	13	16	3,0	50
WAC-14	14	20	38	20	45	M6	5,2	10	32	13	18	3,0	70
WAC-16	16	20	38	22	45	M6	5,2	10	32	13	18	3,0	70
WAC-20	20	24	45	25	53	M8	6,8	11	39	18	22	4,0	120
WAC-25	25	28	54	31	62	M10	8,6	15	44	22	26	5,0	170
WAC-30	30	30	60	34	67	M10	8,6	15	49	22	29	5,0	220
WAC-40	40	40	76	42	87	M12	10,3	18	66	26	38	6,0	480
WAC-50	50	50	92	50	103	M16	14,25	20	80	34	46	8,0	820

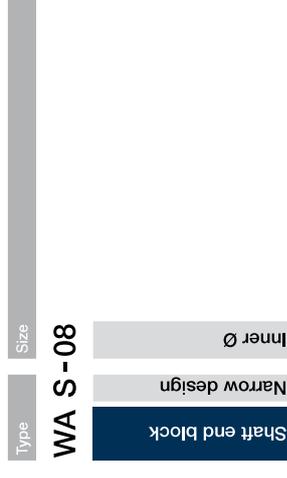


Order example:

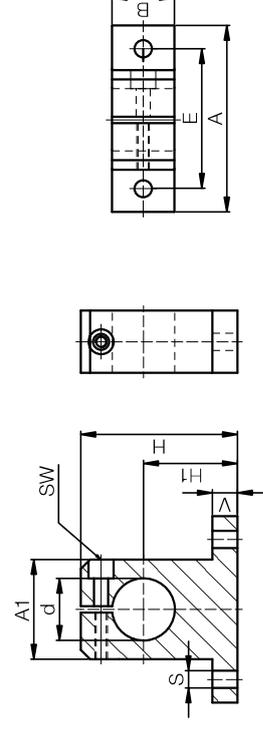
WAC-12: shaft end block, compact design with inner Ø 12mm



Order key



Material: aluminium



Dimensions [mm]

Part No.	d	H	H1	A	A1	B	E	S	V	SW	Weight [g]
WAS-08	8	27	15	32	16	10	25	4,5	5,0	2,5	12
WAS-12	12	35	20	42	20	12	32	5,5	5,5	3,0	23
WAS-16	16	42	25	50	26	16	40	5,5	6,5	3,0	35
WAS-20	20	50	30	60	32	20	45	5,5	8,0	4,0	67
WAS-25	25	58	35	74	38	25	60	6,6	9,0	4,0	140
WAS-30	30	68	40	84	45	28	68	9,0	10,0	5,0	200
WAS-40	40	86	50	108	56	32	86	11,0	12,0	6,0	480



Order example:

WAS-12: shaft end block, narrow design with inner Ø 12mm



Order key

Type: **WA F - 12**

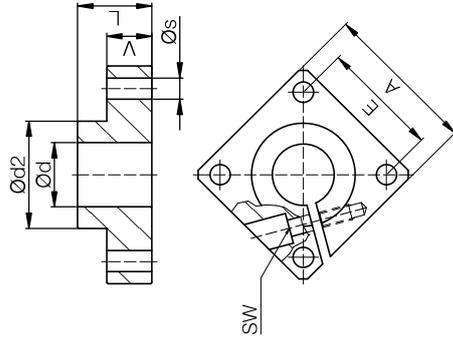
Size: **Inner Ø**

With flange

Shaft end block



Material: aluminium



Dimensions [mm]

Part No.	Ø d	A	L	Ø d2	E	Ø s	V	SW	Weight [kg]
WAF-12	12	40	20	23.5	30 ± 0.12	5.5	12	3	60
WAF-16	16	50	20	27.5	35 ± 0.12	5.5	12	3	80
WAF-20	20	50	23	33.5	38 ± 0.15	6.6	14	4	100
WAF-25	25	60	25	42.0	42 ± 0.15	6.6	16	5	150
WAF-30	30	70	30	49.5	54 ± 0.15	9.0	19	6	300
WAF-40	40	100	40	65.0	68 ± 0.25	11.0	26	8	700
WAF-50	50	100	50	75.0	75 ± 0.25	11.0	36	8	1,200



Order example:

WAF-16: Flange shaft support with inner Ø 16mm



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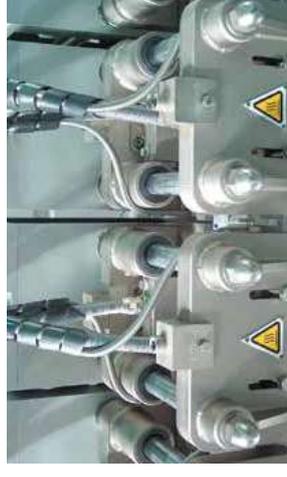
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