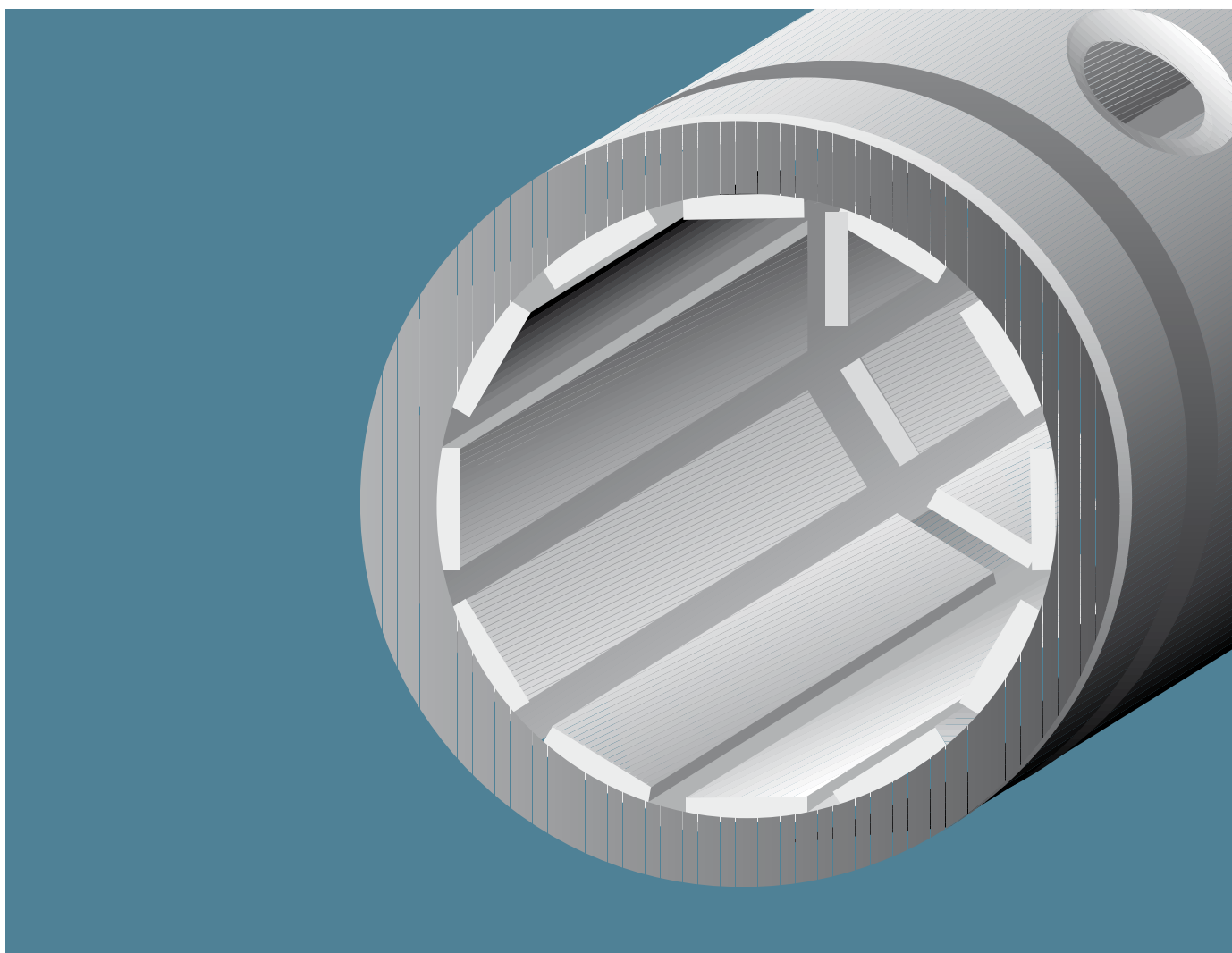




drylin® R Round Shaft Guide Systems



Lubrication-free

Corrosion-resistant

Wear-resistant

Insensitive to dirt

Low friction

Extremely quiet operation

Low weight

drylin® R | Round Shaft Guide Systems

drylin® R linear plain bearings 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 ruggedness even in extreme environments.



Liner
open or closed



Linear bearing
open or closed



Solid polymer bearing



Housing bearing



Advantages:

- 100 % lubrication-free
- Dimensionally interchangeable with standard recirculating ball bearings
- Large variety of choice in housing shapes
- Shafts, shaft end supports and accessories available from stock
- 8 different shaft materials
- Replaceable liner
- VA stainless steel housing available



Lubrication-free



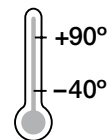
Cleanroom certified –
IPA Fraunhofer
► page 798



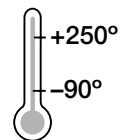
Free of toxins
ROHS 2002/95/EC



ESD compatible
(electrostatic discharge)
► page 798



Temperature
Standard



Temperature
Stainless Steel

Lubrication-free

- Liners made of high-performance iglidur® J guarantee optimum running properties and long service life
- Bearing in iglidur® X for extreme environmental conditions (chemicals/temperature)

Robust and corrosion-resistant

- 1 Hard-anodized aluminum shafts (round shaft/supported round shaft), steel and stainless steel shafts
► shafts, page 927
- 2 Linear adapter and complete housing in anodized aluminum
- 3 Liners made of high-performance iglidur® J/J200/X

Many versions available from stock

- Liners made of iglidur® high-performance polymers, standard and precise bearing clearance, linear adapter, complete housing in various shapes, solid plastic bearing
- House Bearing and Floating House Bearing



When not to use them?

- When little installation space is available
► drylin® N, page 821, ► drylin® W, page 835
- When twist-protection is required for single-axis systems
► drylin® T, page 799, ► drylin® N, page 821





Liners and Pressfit Bearings

- Low friction, optimised wear quality
- Space saving, low weight
- High chemical-resistant

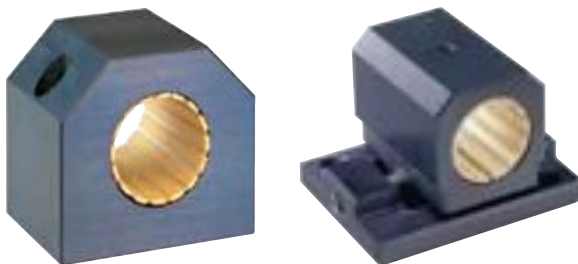
► page 878



Linear Plain Bearings

- Aluminum/stainl. steel adapter with liner made of iglidur® J
- Solid plastic bearing made of iglidur® J, dimensions corresponding to the standard for recirculating ball bearings
- Closed or split
- Self-aligning

► page 888



House Bearing and Floating House Bearing

- 100 % lubrication-free
- Easy to fit
- High statical load
- Replaceable liners
- Split housing for quick bearing replacement available

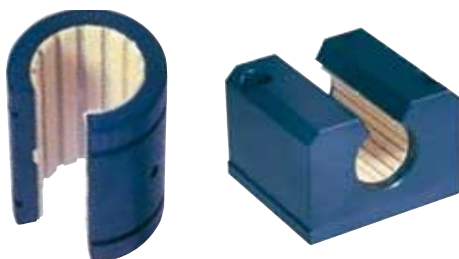
► page 898



Flange Bearing

- Easy to fit
- Round or square type
- Standard design or tandem flange

► page 909



Open Linear Plain Bearings

- For supported shafts
- Cylindric or housing form
- Optional adjustable
- Optional floating bearing type for quick assembly

► page 904

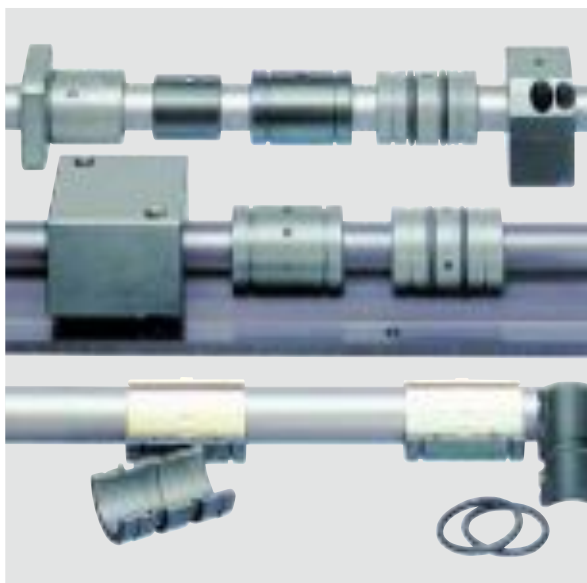


Quad Block

- Closed and open design
- Completely non-rotating housing with 4 linear adapters
- Optionally floating bearing for quick assembly

► page 912

drylin® R | Application Examples



Typical sectors of industry and application areas

- Agricultural ● Vehicle manufacturing
- Medical ● Structural-facings sector
- Packaging etc.

Improve technology and reduce costs –
170 exciting examples online

► www.igus.eu/drylin-applications



Parting-off grinder



► www.igus.eu/woodworking



Concrete cutting machine

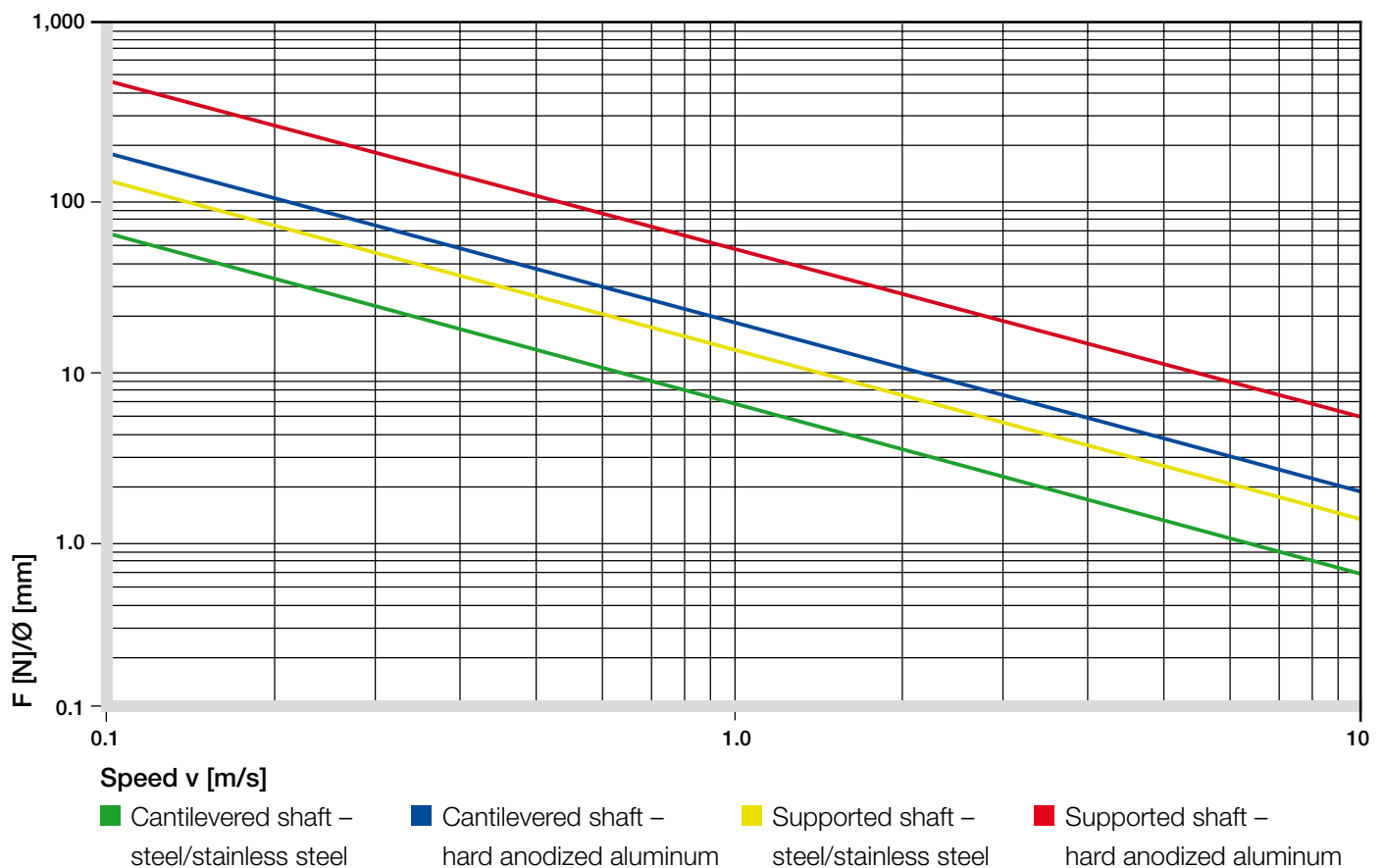


Filling-shoe mechanism in a compaction unit

Material properties table

General properties	Unit	iglidur® J	iglidur® X	iglidur® J200	Testing method
Density	g/cm³	1.49	1.44	1.72	
Colour		yellow	black	dark grey	
Max. moisture absorption at +23 °C/50 % r. h.	% weight	0.3	0.1	0.2	DIN 53495
Max. moisture absorption	% weight	1.3	0.5	0.7	
Coefficient of sliding friction, dynamic against steel	μ	0.06–0.18	0.09–0.27	0.11–0.17	
pv value, max. (dry)	MPa · m/s	0.34	1.32	0.30	
Mechanical properties					
Modulus of elasticity	MPa	2,400	8,100	2,800	DIN 53457
Tensile strength at +20 °C	MPa	73	170	58	DIN 53452
Compressive strength	MPa	60	100	43	
Max. recommended surface pressure (+20 °C)	MPa	35	150	23	
Shore D hardness		74	85	70	DIN 53505
Physical and thermal properties					
Max. long term application temperature	°C	+90	+250	+90	
Max. short term application temperature	°C	+120	+315	+120	
Min. application temperature	°C	–50	–100	–50	
Thermal conductivity	W/m · K	0.25	0.6	0.24	ASTM C 177
Coefficient of thermal expansion (at +23 °C)	K⁻¹ · 10⁻⁵	10	5	8	DIN 53752
Electrical properties					
Specific volume resistance	Ωcm	> 10¹³	< 10⁵	> 10⁸	DIN IEC 93
Surface resistance	Ω	> 10¹²	< 10³	> 10⁸	DIN 53482

Table 01: Material properties table



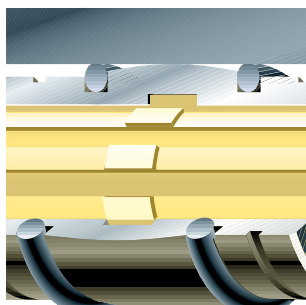
Graph 01: drylin® R – comparison of the permissible dynamic loads at equivalent diameters

drylin® R**Linear Plain Bearings**

The drylin® standard round bearings consist of a replaceable iglidur® J, J200 or X liner, that is manufactured to be a mechanical fit into an anodized aluminum adapter. The axial securing of the liner is achieved by a snap ring groove. drylin® R linear plain bearings, made from solid polymer, are dimensionally equivalent to standard ball bearings. They are made entirely out of wear resistant iglidur® J, J200 or X material and can offer technical advantages in addition to the clear price advantage. Thus, applications in which machine parts are primarily stainless steel, i.e. food and filling equipment, are well suited for the use of solid plastic bearings. An additional weight-saving is also easily obtained. Both designs are designed for fitting in housings with our recommended tolerances. The bearings are secured by circlips in the same way as with ball bearings. The narrow design of the O2 design series, is pressfit or bonded into the housing. Standard commercial adhesives can be used for this purpose.

Dirt, Dust, Fibres

An important feature of all the linear plain bearings is their tolerance of dirt and abrasive particles. For most conventional bearing systems, the use of wiper or seals is recommended to prevent dirt accumulation. No other system has the design



benefits for use in 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 if 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® bearings 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 linear 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 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. The iglidur® J liner can be easily replaced, while a ball-bearing cage cannot. The range of split adapters offers even greater cost savings. Shafts no longer need to be removed from the housing. The two shells of the adapter can be opened very easily. The high performance polymer bearing inside is split and can easily be pulled off the shaft. Clip a new bearing liner over the shaft, put the two adapter halves together, install – done! With this product line of split drylin® bearings, installation times can be reduced to a minimum.



**The all rounder –
igidur® J**



**The specialist –
igidur® J200**



**The extreme –
igidur® X**

**Potential reverse partner**

all shaft materials

Application temperature

–50 to +90 °C

Best coeff. of friction with

steel shaft

Maximum lifetime

Aluminum, hard anodized

Aluminum, hard anodized

–50 to +90 °C

Aluminum, hard anodized

Aluminum, hard anodized

hardened stainless steel

–100 to +250 °C

steel hard chromed

hardened stainless steel

drylin® R | Technical Data

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. They can be used both as individual part and as press-fit bearing in linear plain bearings of the drylin® R series. The gliding range is composed of individual crossbars which are linked to each other by thin film bridges. These film bridges on the one hand prevent the divergence of the individual crossbars, but on the other compensate all expansions 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 singular function of this range, which shows a distinct clearance compared to the shaft, is to fix the bushing firmly in the housing.



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

Compressive strength

igidur® plain bearings are homogeneously filled with solid lubricants. In this way, lubricants cannot be removed, even at high loads. The material iglidur® L100 allows an average static surface pressure of 70 MPa. However, only half of the 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.

igidur® L100	Rotating	Oscillating	Linear
Continuous (m/s)	1.5	1.5	3
Short term (m/s)	3	3	10

Table 04: Maximum running speed for iglidur® L100

Coefficients of sliding friction

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

Temperatures

Temperatures affect the compressive strength, the wear and the securing of the bearing in the housing. In all tests, a secure pressfit could be held 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 100 °C.

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

Table 05: Temperature limits for iglidur® L100

Self-Aligning Bearings

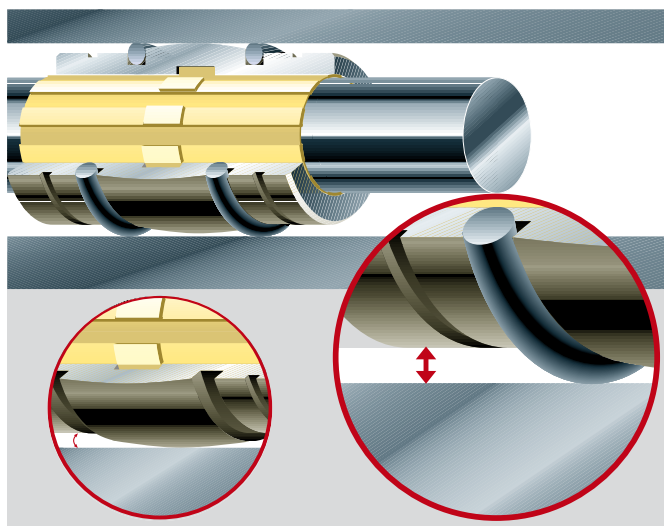
drylin® R linear plain bearings in the 03 design series offer great advantages in applications with parallel shafts. By their geometry, they are able to compensate for alignment and parallelism errors and should be used on the shaft located furthest from the drive mechanism.

The design provides a spherical area on the outside diameter of the aluminum 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 loads are not possible with the self-aligning drylin® linear bearings. Even in unfavourable conditions, the load is supported by the entire projected surface.

In order to compensate for parallelism errors between two shafts, the outer diameter is designed to be smaller than the housing bore diameter by 0.2–0.3 mm (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 mis-alignment. The drylin® R self-aligning bearings are supplied hard anodized. These surfaces guarantee the highest wear resistance if the aluminum bearing moves in the housing during compensation adjustments.



Graph 04: By defined installation clearance and externally mounted O-rings, the self-aligning drylin® R bearings of the type series 03 can compensate parallelism errors. Spherical drylin® adapters can compensate angle errors. Hard anodization protects the aluminum adapters against wear.

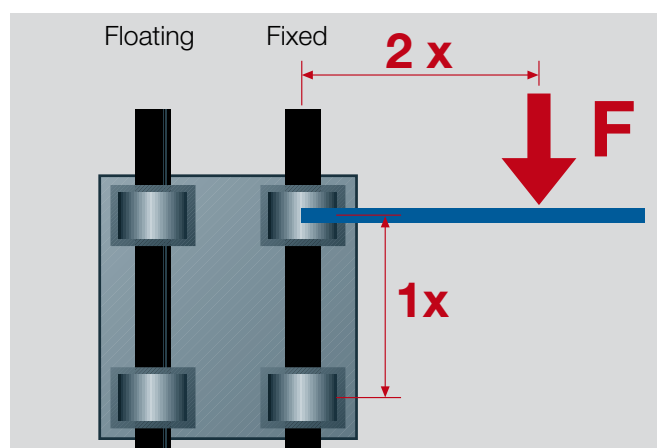
Eccentric Forces

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 slide 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 contact our application engineers.



Graph 03: The 2:1 rule



OJUM-06-LL

► page 908



RJUM-06-LL

► page 903

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

Table 02: Compensation of angle errors

Series RJUM-03/OJUM-03	±0.1 mm
Series RJUM-06-LL/OJUM-06-LL	±3 mm

Table 03: Compensation of parallelism errors

drylin® R | Installation instructions

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:

Construction tips for drylin® linear plain bearings:

The above values for „F_{max}.“ relate to the performance of the iglidur® liners made of high-performance plastics and cannot be used as the sole criterion for the calculation of an application. The maximum carrying capacity of the entire bearing system depends on the installation position, housing shape, the housing material, the connection including the screws used and requires a separate inspection. For a detailed dimensioning, please use our online configurator at ► www.igus.eu/drylin-expert

Recommended shaft-tolerance: h6–h10

Roughness [Ra]: 0.15–0.6

Guide shafts, round/supported ► **shafts, page 927**

Recommended mounting hole: H7

Linear Plain Bearing RJUM-01/03, TJUM-01/03, RJM, RJMP, RJ260(U)M02, Pressfit bearing WLM, WLFM



Liners:

JUM, XUM, JUMO, XUMO, JUI, JUJO

- Interlocking clip-on in the housing bore
- Axial securing is effected by a snap ring groove
- Twist protection through engagement of the safety pin in hole ø z



Pressfit Bearings:

- WLM, WLFM**
- Installation by pressing into the H7 housing bore
 - Assembly-instruction, **page 60**



Linear Plain Bearings:

- RJUM-01, RJUM-11, RJUM-ES, TJUM-01, RJUM-03, TJUM-03, RJUI-01, RJUI-03, TJUI-01, TJUI-03**
- Secured by DIN 471 or 472 circlips, metric types (not included in delivery)



Solid Plastic Bearings:

- RJM, RJI-01**
- Fastening through pressfit or with circlips according to DIN 471 or 472 (not included in delivery)
 - The E9 inner tolerance ensues only after the pressfit



Solid Plastic Bearings:

- RJMP**
- Easy assembly by soft pressfit
 - Secured by DIN 471 or 472 circlips, metric types (not included in delivery)



Linear Plain Bearings:

- RJUM-02**
- Secured by pressfitting in steel housing bore H7 or aluminum housing bore K7
 - Alternatively, the adapter can be glued with commercially available 2-component adhesive in housing



Compact Bearing:

- RJ260 (UM-02)**
- Axial saving and press fit into housing bore H7
 - Alternatively, the adapter can be glued with commercially available 2-component adhesive in housing



Linear Plain Bearings:

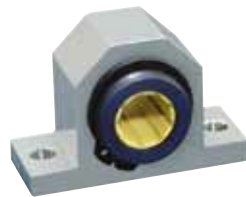
- OJUM-01, OJUM-03, OJUI-01, OJUI-03**

- Secure the bearing with set screws (not included in delivery)



Quad Block: RQA, RGA

- Tandem Design: RTA**
- The bearing in the housing is secured using DIN 472 circlips



Linear Housing:

- RGAS**
- The bearing in the housing is secured using DIN 471 circlips



Quad Block: OQA, OGA,

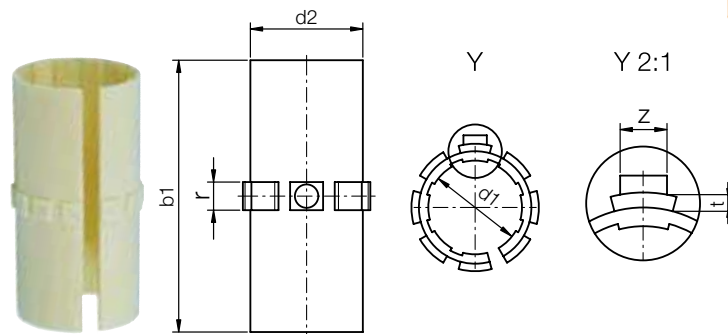
- Linear Housing: OGAS, Tandem Design: OTA**

- The bearings of the housings are secured using set screws

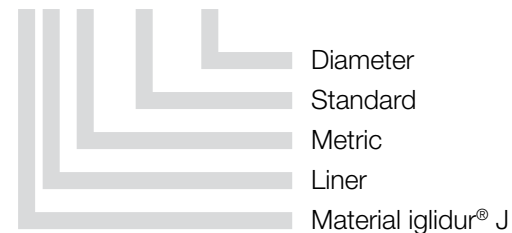


- Quad Block: RGA, OGA, Tandem Design: RTA, OTA, Linear Housing: RGAS, OGAS**
- Mounting screws of the housing DIN 912-8.8
 - Circlips according to DIN 7980

Closed, long design



Order key

JUM-01-10

* according to igus® testing method ► page 925

Ø < 10 use iglidur® JSM sleeve bearings ► p. 101

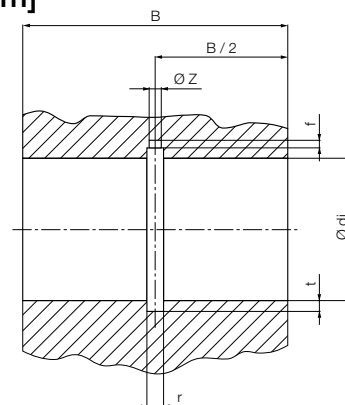
Please note: Installation instructions ► page 877

Dimensions [mm]

Part number	d1	Tolerance*	d2	b1	r	t	z	Fmax. dynamic P=5MPa [N]	Fmax. static P=35MPa [N]	Weight [g]
JUM-01-10	10	+0.030 +0.070	12	28	3.0	0.8	2.5	725	5,075	1.10
JUM-01-12	12	+0.030 +0.070	14	31	3.0	0.8	3.0	960	6,720	1.50
JUM-01-16	16	+0.030 +0.070	18	35	3.5	0.8	3.5	1,440	10,080	2.20
JUM-01-20	20	+0.030 +0.070	23	44	5.0	0.8	3.5	2,250	15,750	4.90
JUM-01-25	25	+0.030 +0.070	28	57	5.0	0.8	4.0	3,625	25,375	8.23
JUM-01-30	30	+0.040 +0.085	34	67	5.0	0.8	4.0	5,100	35,700	14.95
JUM-01-35	35	+0.040 +0.085	39	69	5.0	0.8	4.0	n.a.	n.a.	18.20
JUM-01-40	40	+0.040 +0.085	44	79	6.0	1.3	5.0	8,000	56,000	23.16
JUM-01-50	50	+0.050 +0.100	55	99	7.0	1.3	6.0	12,500	87,500	45.35
JUM-01-60**	60	+0.050 +0.100	65	124	8.0	2.5	6.5	n.a.	n.a.	70.00

Installation Drawings Housing Bore for Liner JUM-01 | Dimensions [mm]

Part number	Shaft Ø	d1 H7	B h10	W +0.2	r +0.05	t +0.1	f +0.5	z +0.2
JUM-01-10	10	12	29	7.3	3.0	1.0	1.0	2.6
JUM-01-12	12	14	32	9.0	3.0	1.0	1.5	3.1
JUM-01-16	16	18	36	11.6	3.5	1.0	1.7	3.6
JUM-01-20	20	23	45	12.0	5.0	1.0	2.0	3.6
JUM-01-25	25	28	58	14.5	5.0	1.0	2.0	4.1
JUM-01-30	30	34	68	16.6	5.0	1.0	2.0	4.1
JUM-01-35	35	39	70	17.0	5.0	1.0	2.0	4.1
JUM-01-40	40	44	80	21.0	6.0	1.5	2.5	5.1
JUM-01-50	50	55	100	25.5	7.0	1.5	2.5	6.1
JUM-01-60**	60	65	125	27.2	8.0	2.5	3.0	6.5



** in two parts

Can be combined with:

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

RJUM-06/-06-LL

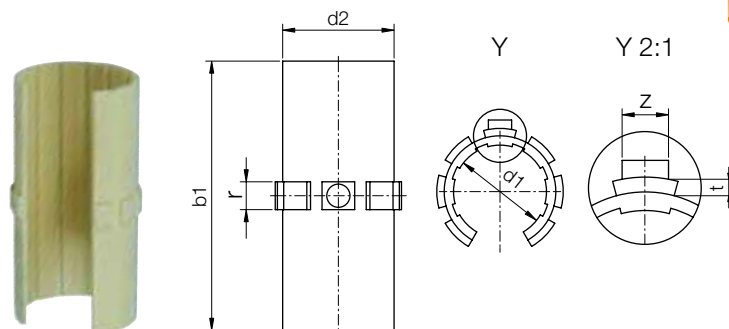


FJUM-01/-02

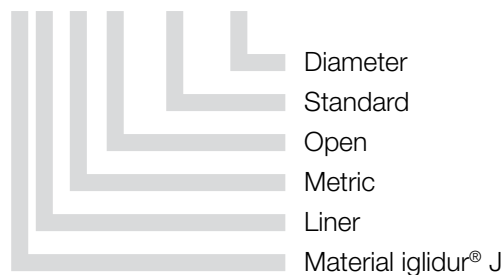
**delivery** from stock
time**prices** price list online
www.igus.eu/eu/drylinR

drylin® R Linear | Product Range

Open, long design



Order key

JUMO-01-10

● For supported shafts



* according to igus® testing method ► page 925
Please note: Installation instructions ► page 877

Dimensions [mm]

Part number	d1	Tolerance*	d2	b1	r	t	z	Weight [g]
JUMO-01-10	10	+0.030 +0.070	12	28	3.0	0.8	2.5	0.90
JUMO-01-12	12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.16
JUMO-01-16	16	+0.030 +0.070	18	35	3.5	0.8	3.5	1.71
JUMO-01-20	20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.16
JUMO-01-25	25	+0.030 +0.070	28	57	5.0	0.8	4.0	6.97
JUMO-01-30	30	+0.040 +0.085	34	67	5.0	0.8	4.0	12.38
JUMO-01-40	40	+0.040 +0.085	44	79	6.0	1.3	5.0	20.18
JUMO-01-50	50	+0.050 +0.100	55	99	7.0	1.3	6.0	38.60
JUMO-01-60**	60	+0.050 +0.100	65	124	8.0	2.5	6.5	60.10

Installation Drawings Housing Bore for Liner JUMO-01 | Dimensions [mm]

Part number	Shaft Ø	d1 H7	B h10	W +0.2	r +0.05	t +0.1	f +0.5	z +0.2
JUMO-01-10	10	12	29	7.3	3.0	1.0	1.0	2.6
JUMO-01-12	12	14	32	9.0	3.0	1.0	1.5	3.1
JUMO-01-16	16	18	36	11.6	3.5	1.0	1.7	3.6
JUMO-01-20	20	23	45	12.0	5.0	1.0	2.0	3.6
JUMO-01-25	25	28	58	14.5	5.0	1.0	2.0	4.1
JUMO-01-30	30	34	68	16.6	5.0	1.0	2.0	4.1
JUMO-01-40	40	44	80	21.0	6.0	1.5	2.5	5.1
JUMO-01-50	50	55	100	25.5	7.0	1.5	2.5	6.1
JUMO-01-60**	60	65	125	27.2	8.0	2.5	3.0	6.5

** in two parts

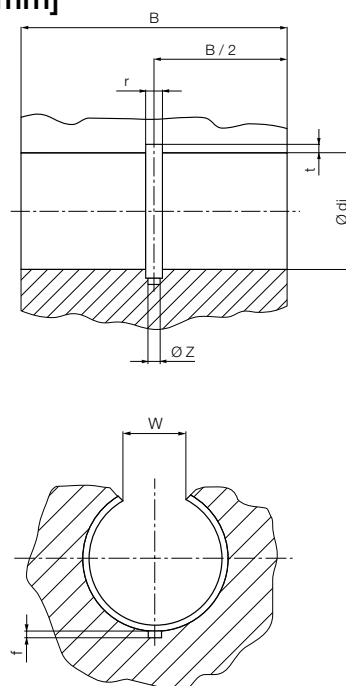
Can be combined with:



OJUM-01/-03



OJUM-06/-06-LL


 **delivery** from stock
time

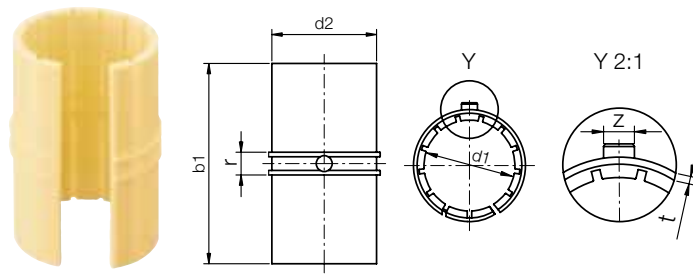
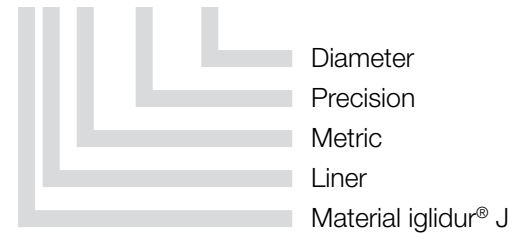

prices price list online
www.igus.eu/eu/drylinR

Closed, long design, precise



Order key

JUM-11-10



- Max. bearing clearance reduced by 50 % compared to JUM-01
- Increased bearing area = longer service life



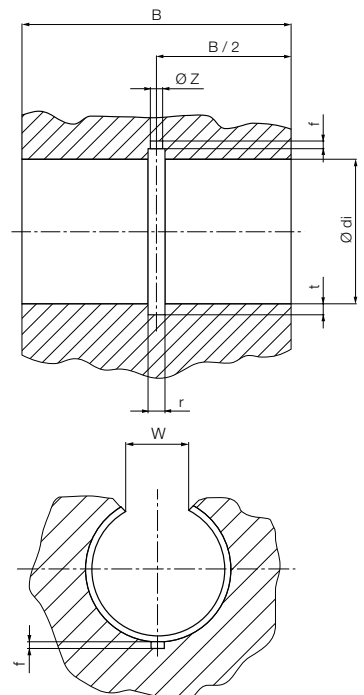
* according to igus® testing method ► page 925
Please note: Installation instructions ► page 877

Dimensions [mm]

Part number	d1	Tolerance*	d2	b1	r	t	z	Weight [g]
JUM-11-10	10	+0.000 +0.040	12	28	3.0	0.8	2.5	1.23
JUM-11-12	12	+0.000 +0.040	14	31	3.0	0.8	3.0	1.65
JUM-11-16	16	+0.000 +0.040	18	35	3.5	0.8	3.5	2.42
JUM-11-20	20	+0.000 +0.040	23	44	5.0	0.8	3.5	5.49
JUM-11-25	25	+0.000 +0.040	28	57	5.0	0.8	4.0	8.86
JUM-11-30	30	+0.000 +0.050	34	67	5.0	0.8	4.0	16.63
JUM-11-40	40	+0.000 +0.050	44	79	6.0	1.3	5.0	26.06
JUM-11-50	50	+0.000 +0.060	55	99	7.0	1.3	6.0	48.82

Installation Drawings Housing Bore for Liner JUM-11 | Dimensions [mm]

Part number	Shaft Ø	d1 H7	B h10	r +0.05	t +0.1	f +0.5	z +0.2
JUM-11-10	10	12	29	3.0	1.0	1.0	2.6
JUM-11-12	12	14	32	3.0	1.0	1.5	3.1
JUM-11-16	16	18	36	3.5	1.0	1.7	3.6
JUM-11-20	20	23	45	5.0	1.0	2.0	3.6
JUM-11-25	25	28	58	5.0	1.0	2.0	4.1
JUM-11-30	30	34	68	5.0	1.0	2.0	4.1
JUM-11-40	40	44	80	6.0	1.5	2.5	5.1
JUM-11-50	50	55	100	7.0	1.5	2.5	6.1



Can be combined with:



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



RJUM-06/-06-LL



FJUM-01/-02



delivery from stock
time



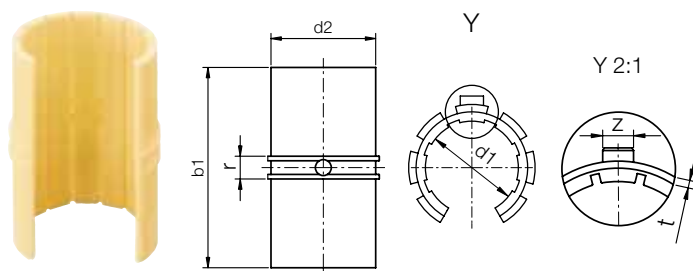
prices price list online
www.igus.eu/eu/drylinR

drylin® R Linear | Product Range

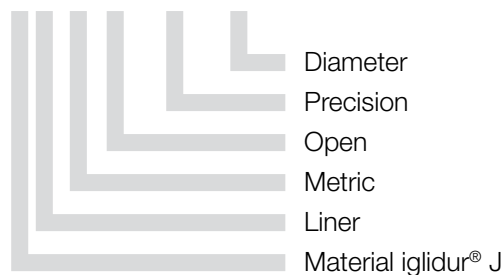
Open, long design, precise –
for supported shafts



Order key



JUMO-11-10



- Increased bearing area = longer service life
- Max. bearing clearance reduced by 50 %



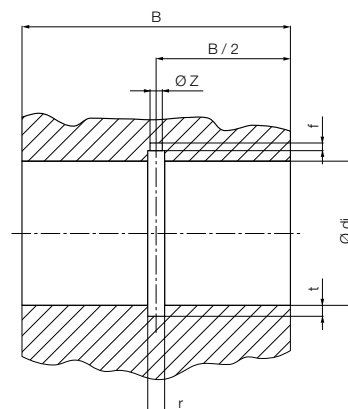
* according to igus® testing method ► page 925
Please note: Installation instructions ► page 877

Dimensions [mm]

Part number	d1	Tolerance*	d2	b1	r	t	z	Weight [g]
JUMO-11-10	10	+0.000 +0.040	12	28	3.0	0.8	2.5	1.10
JUMO-11-12	12	+0.000 +0.040	14	31	3.0	0.8	3.0	1.50
JUMO-11-16	16	+0.000 +0.040	18	35	3.5	0.8	3.5	2.20
JUMO-11-20	20	+0.000 +0.040	23	44	5.0	0.8	3.5	4.90
JUMO-11-25	25	+0.000 +0.040	28	57	5.0	0.8	4.0	8.23
JUMO-11-30	30	+0.000 +0.050	34	67	5.0	0.8	4.0	14.95
JUMO-11-40	40	+0.000 +0.050	44	79	6.0	1.3	5.0	23.16
JUMO-11-50	50	+0.000 +0.060	55	99	7.0	1.3	6.0	45.35

Installation Drawings Housing Bore for Liner JUMO-11 | Dimensions [mm]

Part number	Shaft Ø	di H7	B h10	W +0.2	r +0.05	t +0.1	f +0.5	z +0.2
JUMO-11-10	10	12	29	7.3	3.0	1.0	1.0	2.6
JUMO-11-12	12	14	32	9.0	3.0	1.0	1.5	3.1
JUMO-11-16	16	18	36	11.6	3.5	1.0	1.7	3.6
JUMO-11-20	20	23	45	12.0	5.0	1.0	2.0	3.6
JUMO-11-25	25	28	58	14.5	5.0	1.0	2.0	4.1
JUMO-11-30	30	34	68	16.6	5.0	1.0	2.0	4.1
JUMO-11-40	40	44	80	21.0	6.0	1.5	2.5	5.1
JUMO-11-50	50	55	100	25.5	7.0	1.5	2.5	6.1



Can be combined with:



OJUM-01/-03



OJUM-06/-06-LL



delivery from stock
time



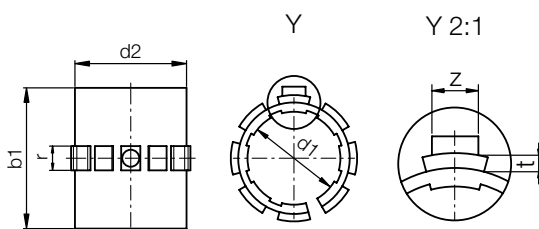
prices price list online
www.igus.eu/eu/drylinR

Closed, short design



Order key

JUM-02-10



● Available also as low-clearance version (JUM-12...)



* according to igus® testing method ► page 925

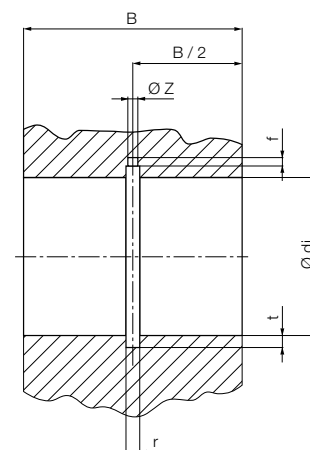
Please note: Installation instructions ► page 877

Dimensions [mm]

Part number	d1	Tolerance*	d2	b1	r	t	z	Fmax. dynamic P=5MPa [N]	Fmax. static P=35MPa [N]	Weight [g]
JUM-02-10	10	+0.030 +0.070	12	25	3.0	0.8	2.5	650	4,550	1.02
JUM-02-12	12	+0.030 +0.070	14	27	3.0	0.8	3.0	840	5,880	1.27
JUM-02-16	16	+0.030 +0.070	18	29	3.5	0.8	3.5	1,200	8,400	1.82
JUM-02-20	20	+0.030 +0.070	23	29	5.0	0.8	3.5	1,500	10,500	3.27
JUM-02-25	25	+0.030 +0.070	28	39	5.0	0.8	4.0	2,500	17,500	5.75
JUM-02-30	30	+0.040 +0.085	34	49	5.0	0.8	4.0	3,750	26,250	11.28
JUM-02-40	40	+0.040 +0.085	44	59	6.0	1.3	5.0	6,000	42,000	17.94
JUM-02-45	45	+0.040 +0.085	50	59	7.0	1.3	6.0	n.a.	n.a.	27.00
JUM-02-50	50	+0.050 +0.100	55	69	7.0	1.3	6.0	8,750	61,250	32.56

Installation Drawings Housing Bore for JUM-02 | Dimensions [mm]

Part number	Shaft Ø	d1 H7	B h10	r +0.05	t +0.1	f +0.5	z +0.2
JUM-02-10	10	12	26	3.0	1.0	1.0	2.6
JUM-02-12	12	14	28	3.0	1.0	1.5	3.1
JUM-02-16	16	18	30	3.5	1.0	1.7	3.6
JUM-02-20	20	23	30	5.0	1.0	2.0	3.6
JUM-02-25	25	28	40	5.0	1.0	2.0	4.1
JUM-02-30	30	34	50	5.0	1.0	2.0	4.1
JUM-02-40	40	44	60	6.0	1.5	2.5	5.1
JUM-02-45	45	50	60	7.0	1.5	2.5	6.1
JUM-02-50	50	55	70	7.0	1.5	2.5	6.1



Can be combined with:



RJUM-02

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

FJUMT-01/-02

delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

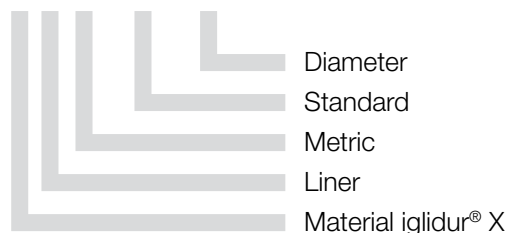
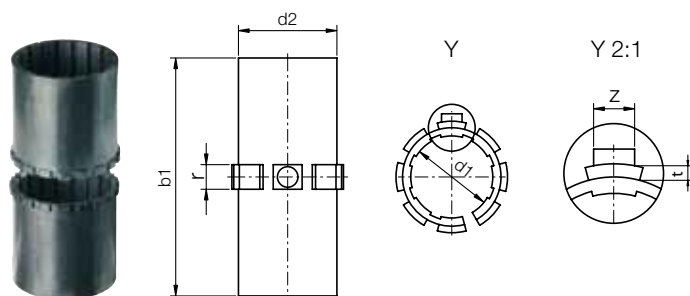
drylin® R Linear | Product Range

Closed, long design, high temperature



Order key

XUM-01-12



- Temperatures from -100 to +250 °C
- Recommended in combination with stainless steel or chrome-plated shafts
- 2-parts



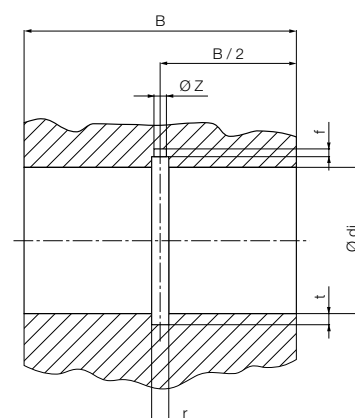
* according to igus® testing method ► page 925
Please note: Installation instructions ► page 877

Dimensions [mm]

Part number	d1	Tolerance*	d2	b1	r	t	z	Weight [g]
XUM-01-12	12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.46
XUM-01-14	14	+0.030 +0.070	16	30	3.5	0.6	3.5	1.81
XUM-01-16	16	+0.030 +0.070	18	35	3.5	0.8	3.5	2.13
XUM-01-20	20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.7
XUM-01-25	25	+0.030 +0.070	28	57	5.0	0.8	4.0	8.27
XUM-01-30	30	+0.040 +0.085	34	67	5.0	0.8	4.0	15.57
XUM-01-40	40	+0.040 +0.085	44	79	6.0	1.3	5.0	24.0

Installation Drawings Housing Bore for XUM-01 | Dimensions [mm]

Part number	Shaft Ø	di H7	B h10	r +0.05	t +0.1	f +0.5	z +0.2
XUM-01-12	12	14	32	3.0	1.0	1.5	3.1
XUM-01-14	14	16	31	3.	0.8	1.7	3.6
XUM-01-16	16	18	36	3.5	1.0	1.7	3.6
XUM-01-20	20	23	45	5.0	1.0	2.0	3.6
XUM-01-25	25	28	58	5.0	1.0	2.0	4.1
XUM-01-30	30	34	68	5.0	1.0	2.0	4.1
XUM-01-40	40	44	80	6.0	1.5	2.5	5.1



Can be combined with:



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



RJUM-06/-06-LL



FJUM-01/-02



delivery from stock
time



prices price list online
www.igus.eu/eu/drylinR

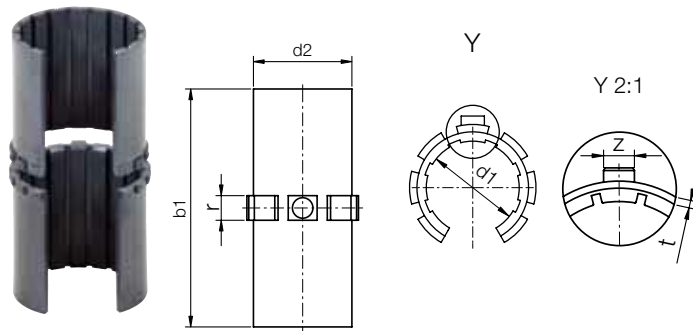
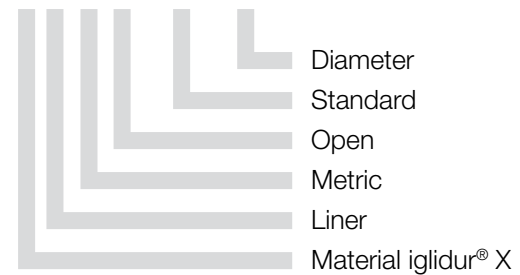
drylin® R | Product Range

Open, long design, high temperature –
for supported shafts



Order key

XUMO-01-12



- Temperatures from –100 to +250 °C
- Recommended in combination with stainless steel or chrome-plated shafts
- 2-parts, for supported shafts



* according to igus® testing method ► page 925

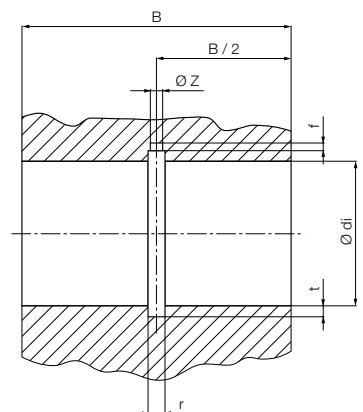
Please note: Installation instructions ► page 877

Dimensions [mm]

Part number	d1	Tolerance*	d2	b1	r	t	z	Weight [g]
XUMO-01-10*	10	+0.000 +0.020	12	28	3.0	0.8	2.5	1.0
XUMO-01-12	12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.46
XUMO-01-14**	14	+0.030 +0.070	16	30	3.5	0.6	3.5	1.81
XUMO-01-16	16	+0.030 +0.070	18	35	3.5	0.8	3.5	2.13
XUMO-01-20	20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.7
XUMO-01-25	25	+0.030 +0.070	28	57	5.0	0.8	4.0	8.27
XUMO-01-30	30	+0.040 +0.085	34	67	5.0	0.8	4.0	15.57
XUMO-01-40	40	+0.040 +0.085	44	79	6.0	1.3	5.0	24.0

Installation Drawings Housing Bore for XUMO-01 | Dimensions [mm]

Part number	Shaft Ø	d1 H7	B h10	W +0.2	r +0.05	t +0.1	f +0.5	z +0.2
XUMO-01-10**	10	12	29	7.3	3.0	1.0	1.0	2.6
XUMO-01-12	12	14	32	9.0	3.0	1.0	1.5	3.1
XUMO-01-14***	14	16	31	–	3.0	0.8	1.7	3.6
XUMO-01-16	16	18	36	11.6	3.5	1.0	1.7	3.6
XUMO-01-20	20	23	45	12.0	5.0	1.0	2.0	3.6
XUMO-01-25	25	28	58	14.5	5.0	1.0	2.0	4.1
XUMO-01-30	30	34	68	16.6	5.0	1.0	2.0	4.1
XUMO-01-40	40	44	80	21.0	6.0	1.5	2.5	5.1



** Ø-10 only available as open design; *** Ø-14 only available as closed design

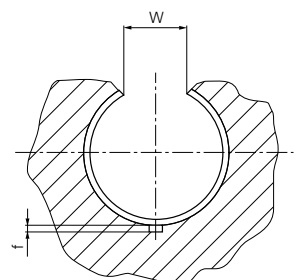
Can be combined with:



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



OJUM-06/-06-LL



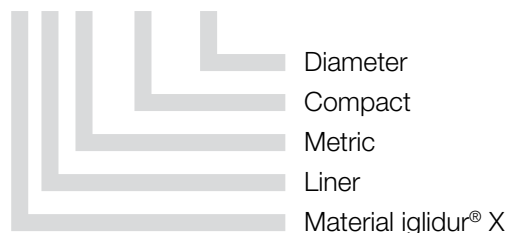
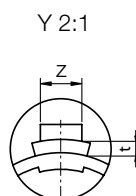
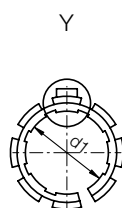
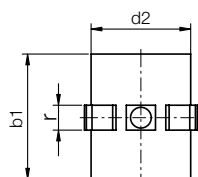
drylin® R | Product Range

Short, closed design, high temperature



Order key

XUM-02-12



- Temperatures from -100 to +250 °C
- Recommended in combination with stainless steel or chrome-plated shafts
- 2-parts



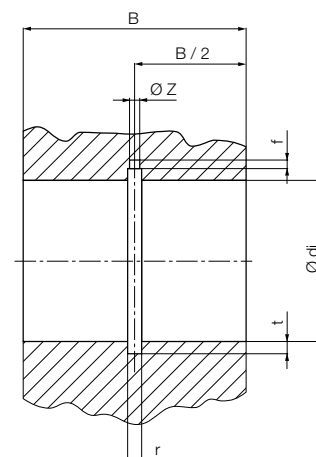
* according to igus® testing method ► page 925
Please note: Installation instructions ► page 877

Dimensions [mm]

Part number	d1	Tolerance*	d2	b1	r	t	z	Weight [g]
XUM-02-12	12	+0.030 +0.070	14	27	3.0	0.8	3.0	1.46
XUM-02-16	16	+0.030 +0.070	18	29	3.5	0.8	3.5	2.13
XUM-02-20	20	+0.030 +0.070	23	29	5.0	0.8	3.5	4.7
XUM-02-25	25	+0.030 +0.070	28	39	5.0	0.8	4.0	8.27
XUM-02-30	30	+0.040 +0.085	34	49	5.0	0.8	4.0	15.57
XUM-02-40	40	+0.040 +0.085	44	59	6.0	1.3	5.0	24.0

Installation Drawings Housing Bore for XUM-02 | Dimensions [mm]

Part number	Shaft Ø	di H7	B h10	r +0.05	t +0.1	f +0.5	z +0.2
XUM-02-12	12	14	28	3.0	1.0	1.5	3.1
XUM-02-16	16	18	30	3.5	1.0	1.7	3.6
XUM-02-20	20	23	30	5.0	1.0	2.0	3.6
XUM-02-25	25	28	40	5.0	1.0	2.0	4.1
XUM-02-30	30	34	50	5.0	1.0	2.0	4.1
XUM-02-40	40	44	60	6.0	1.5	2.5	5.1



Can be combined with:



RJUM-02

RJUM-05/RJUM-05
TJUM-05/RJUM-05

FJUMT-01/-02

delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

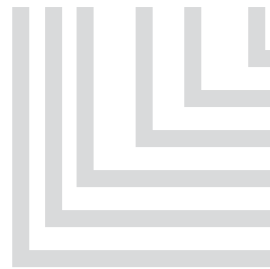
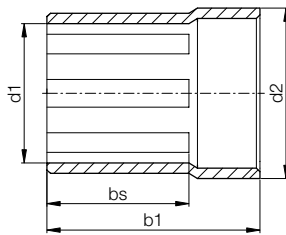
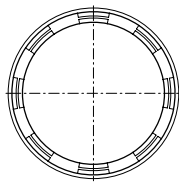
drylin® R Pressfit Bearing | Product Range

made of iglidur® L100 ► page 1129



Order key

WLM-0608-10



Length b1
Outer diameter d2
Inner diameter d1
Metric
Series L1
Material iglidur® L100

- Highly wear-resistant
- Low friction



* Measured with a plug gauge

Please note: Installation instructions ► page 877

Dimensions [mm]

Part number	d1	Tolerance*	d2	b1	bs
WLM-0608-10	6	+0.000 +0.040	8	10	6
WLM-0810-12	8	+0.000 +0.050	10	12	8
WLM-1012-14	10	+0.000 +0.050	12	14.5	10
WLM-1012-16	10	+0.000 +0.050	12	16	10
WLM-1214-16	12	+0.000 +0.050	14	16	10
WLM-1214-25	12	+0.000 +0.050	14	25	15
WLM-1618-18	16	+0.000 +0.050	18	18	10
WLM-1618-26	16	+0.000 +0.050	18	26	16
WLM-2023-22	20	+0.000 +0.060	23	22.5	12.5
WLM-2023-30	20	+0.000 +0.060	23	30	20
WLM-2225-30	22	+0.000 +0.060	25	30	20
WLM-2528-29	25	+0.000 +0.060	28	29	19
WLM-2528-35	25	+0.000 +0.060	28	35	25
WLM-3034-34	30	+0.000 +0.060	34	34	24
WLM-3034-40	30	+0.000 +0.060	34	40	30
WLM-4044-40	40	+0.000 +0.060	44	40	30
WLM-4044-50	40	+0.000 +0.060	44	50	40
WLM-5055-50	50	+0.000 +0.070	55	50	40
WLM-5055-60	50	+0.000 +0.070	55	60	50



delivery from stock
time



prices price list online
www.igus.eu/eu/drylinR

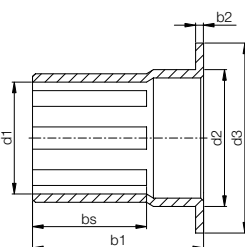
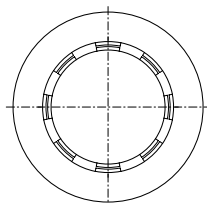
drylin® R Pressfit Bearing | Product Range

made of iglidur® L100 ► page 1129



Order key

WLFM-1214-15



Length b1
Outer diameter d2
Inner diameter d1
Metric
Flange
Series L1
Material iglidur® L100

- Highly wear-resistant
- Low friction



* Measured with a plug gauge

Please note: Installation instructions ► page 877

Dimensions [mm]

Part number	d1	Tolerance*	d2	d3	b1	b2	bs
WLFM-1214-15	12	+0.000 +0.050	14	20	15.0	1.0	9
WLFM-1618-16	16	+0.000 +0.050	18	24	16.0	1.0	10
WLFM-2023-16	20	+0.000 +0.060	23	30	16.5	1.5	10
WLFM-2528-21	25	+0.000 +0.060	28	35	21.5	1.5	11
WLFM-3034-27	30	+0.000 +0.060	34	42	27.0	2.0	15
WLFM-4044-32	40	+0.000 +0.060	44	52	32.0	2.0	20
WLFM-5055-37	50	+0.000 +0.070	55	63	37.5	2.5	25



delivery from stock
time



prices price list online
www.igus.eu/eu/drylinR

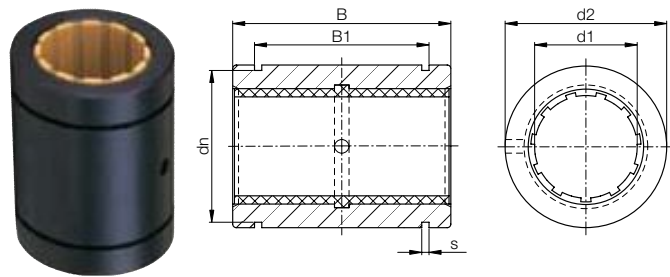
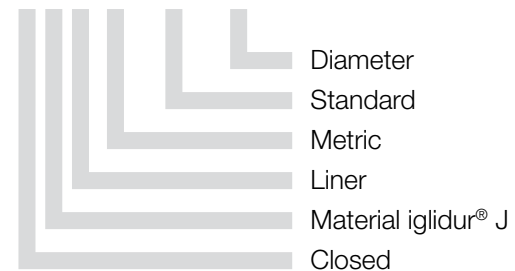
drylin® R Linear Plain Bearing | Product Range

Closed anodized aluminum adapter



Order key

RJUM-01-10



- Dimension equivalent to the standard for recirculating ball bearings
- JUM-01 liner made of iglidur® J



* according to igus® testing method ► page 925

** Ø < 10 mm use iglidur® JSM sleeve bearings

*** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø [mm]	Tolerance* bearing inner diameter [mm]	F max. dynamic*** P = 5 MPa [N]	F max. static*** P = 35 MPa [N]	Weight [g]
RJZM-01-05**	5	+0.025 +0.060	525	3,675	5
RJZM-01-06**	6	+0.025 +0.060	525	3,675	5
RJZM-01-08**	8	+0.032 +0.070	960	6,720	9
RJUM-01-10	10	+0.030 +0.088	725	5,075	14
RJUM-01-12	12	+0.030 +0.088	960	6,720	21
RJUM-01-16	16	+0.030 +0.088	1,440	10,080	28
RJUM-01-20	20	+0.030 +0.091	2,250	15,750	49
RJUM-01-25	25	+0.030 +0.091	3,625	25,375	108
RJUM-01-30	30	+0.040 +0.110	5,100	35,700	162
RJUM-01-40	40	+0.040 +0.115	8,000	56,000	334
RJUM-01-50	50	+0.050 +0.130	12,500	87,500	579

Dimensions [mm]

Part number	d1	d2 h7	B h10	B1 H10	s H10	dn h10
RJZM-01-05**	5	12	22	14.2	1.10	11.5
RJZM-01-06**	6	12	22	14.2	1.10	11.5
RJZM-01-08**	8	16	25	16.2	1.10	15.2
RJUM-01-10	10	19	29	21.6	1.30	17.5
RJUM-01-12	12	22	32	22.6	1.30	20.5
RJUM-01-16	16	26	36	24.6	1.30	24.2
RJUM-01-20	20	32	45	31.2	1.60	29.6
RJUM-01-25	25	40	58	43.7	1.85	36.5
RJUM-01-30	30	47	68	51.7	1.85	43.5
RJUM-01-40	40	62	80	60.3	2.15	57.8
RJUM-01-50	50	75	100	77.3	2.65	70.5

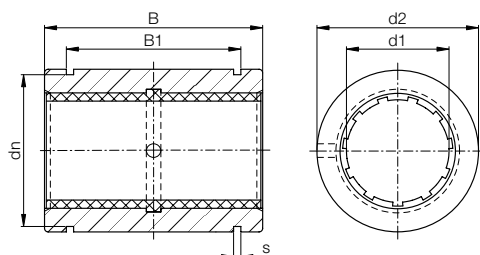
delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

drylin® R Linear Plain Bearing | Product Range

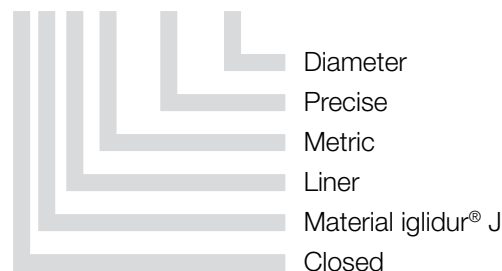
Closed anodized aluminum adapter, precise



Order key



RJUM-11-10



- Dimension equivalent to the standard for recirculating ball bearings
- Max. bearing clearance reduced by 50 % compared to RJUM-01



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø	Tolerance* bearing inner diameter	F max. dynamic** P = 5 MPa	F max. static** P = 35 MPa	Weight
	[mm]	[mm]	[N]	[N]	[g]
RJUM-11-10	10	+0.000 +0.058	725	5,075	14
RJUM-11-12	12	+0.000 +0.058	960	6,720	21
RJUM-11-16	16	+0.000 +0.058	1,440	10,080	28
RJUM-11-20	20	+0.000 +0.061	2,250	15,750	49
RJUM-11-25	25	+0.000 +0.061	3,625	25,375	108
RJUM-11-30	30	+0.000 +0.075	5,100	35,700	162
RJUM-11-40	40	+0.000 +0.080	8,000	56,000	334
RJUM-11-50	50	+0.000 +0.090	12,500	87,500	579

Dimensions [mm]

Part number	d1	d2	B	B1	s	dn
		h7	h10	H10	H10	h10
RJUM-11-10	10	19	29	21.6	1.30	17.5
RJUM-11-12	12	22	32	22.6	1.30	20.5
RJUM-11-16	16	26	36	24.6	1.30	24.2
RJUM-11-20	20	32	45	31.2	1.60	29.6
RJUM-11-25	25	40	58	43.7	1.85	36.5
RJUM-11-30	30	47	68	51.7	1.85	43.5
RJUM-11-40	40	62	80	60.3	2.15	57.8
RJUM-11-50	50	75	100	77.3	2.65	70.5

Can be combined with:



RQA-01



RTA-01



RGA-01



RGAS-01



XUM-01

RJUM-01 ► page 888 and RJUM-11 also
available with liners:delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

Standard type made of iglidur® J ► page 93

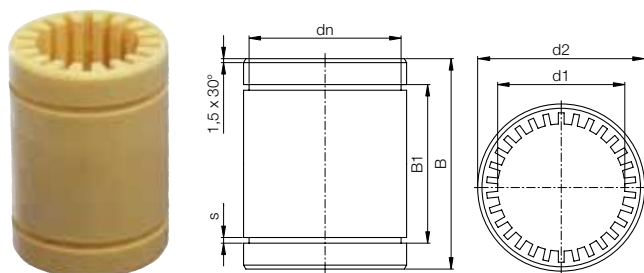


Order key

RJM-01-08



Diameter
Standard
Metric
Material iglidur® J
Closed



- Dimension equivalent to the standard for recirculating ball bearings
- Assembly by pressfitting
► Press-in forces: see table



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø [mm]	Tolerance* for d1 E9 [mm]	F max. dyn.** P = 2.5 MPa [N]	F max. stat.** P = 17.5 MPa [N]	Weight [g]	Pressfit pressfit force [N]
RJM-01-08	8	+0.025 +0.061	250	1,750	4	400
RJM-01-10	10	+0.032 +0.075	363	2,538	7	700
RJM-01-12	12	+0.032 +0.075	480	3,360	9	1,300
RJM-01-16	16	+0.032 +0.075	720	5,040	13	1,100
RJM-01-20	20	+0.040 +0.092	1,125	7,875	24	1,500
RJM-01-25	25	+0.040 +0.092	1,813	12,688	47	3,500
RJM-01-30	30	+0.040 +0.092	2,550	17,850	72	4,500
RJM-01-40	40	+0.050 +0.112	4,000	28,000	127	4,200

Dimensions [mm]

Part number	d1	d2	B	B1	s	dn
RJM-01-08	8	16	25	16.2	1.10	15.2
RJM-01-10	10	19	29	21.6	1.30	17.5
RJM-01-12	12	22	32	22.6	1.30	20.5
RJM-01-16	16	26	36	24.6	1.30	24.2
RJM-01-20	20	32	45	31.2	1.60	29.6
RJM-01-25	25	40	58	43.7	1.85	36.5
RJM-01-30	30	47	68	51.7	1.85	43.5
RJM-01-40	40	62	80	60.3	2.15	57.8

Can be combined with:



RQA-04



RTA-04



RGAS-04



RGA-04

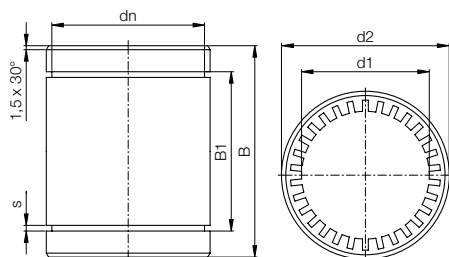
delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

drylin® R Solid Polymer Bearing | Product Range

Standard type, precise



Order key



RJMP-01-06



Diameter
Standard
Precision
Metric
Material iglidur® J
Closed

- Easy assembly by soft pressfit
- Reduced bearing clearance



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø [mm]	Tolerance* für d1 [mm]	F max. dyn.** P = 2.5 MPa [N]	F max. stat.** P = 2.5 MPa [N]	Weight [g]
RJMP-01-06	6	+0.000 +0.030	200	1,400	2
RJMP-01-08	8	+0.000 +0.040	250	1,750	4
RJMP-01-10	10	+0.000 +0.040	363	2,538	7
RJMP-01-12	12	+0.000 +0.040	480	3,360	9
RJMP-01-16	16	+0.000 +0.040	720	5,040	13
RJMP-01-20	20	+0.000 +0.040	1,125	7,875	24
RJMP-01-25	25	+0.000 +0.050	1,813	12,688	47
RJMP-01-30	30	+0.000 +0.050	2,550	17,850	72

Dimensions [mm]

Part number	d1	d2	B	B1	s	dn
RJMP-01-06	6	12	19	13.5	1.10	11.5
RJMP-01-08	8	16	25	16.2	1.10	15.2
RJMP-01-10	10	19	29	21.6	1.30	17.5
RJMP-01-12	12	22	32	22.6	1.30	20.5
RJMP-01-16	16	26	36	24.6	1.30	24.2
RJMP-01-20	20	32	45	31.2	1.60	29.6
RJMP-01-25	25	40	58	43.7	1.85	36.5
RJMP-01-30	30	47	68	51.7	1.85	43.5

Can be combined with:



RQA-04



RTA-04



RGAS-04



RGA-04

delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

drylin® R Linear Plain Bearing | Product Range

Closed stainless steel adapter 1.4305



Order key

RJUM-01-12-ES



Stainless Steel

Diameter

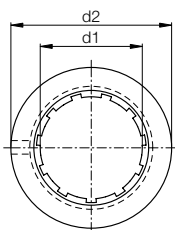
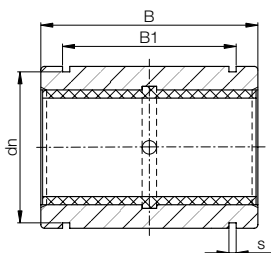
Standard

Metric

Liner

Material iglidur® J

Closed



● Dimensions corresp. to the standard for recirculating ball bearings



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø [mm]	Tolerance* bearing inner diameter [mm]	F max. dynamic** P = 5 MPa [N]	F max. static** P = 35 MPa [N]	Weight [g]
RJUM-01-12-ES	12	+0.030 +0.088	960	6,720	60
RJUM-01-16-ES	16	+0.030 +0.088	1,440	10,080	84
RJUM-01-20-ES	20	+0.030 +0.091	2,250	15,750	147
RJUM-01-25-ES	25	+0.030 +0.091	3,625	25,375	324
RJUM-01-30-ES	30	+0.040 +0.110	5,100	35,700	486

Dimensions [mm]

Part number	d1	d2 h7	B h10	B1 H10	s H10	dn h10
RJUM-01-12-ES	12	22	32	22.6	1.30	20.5
RJUM-01-16-ES	16	26	36	24.6	1.30	24.2
RJUM-01-20-ES	20	32	45	31.2	1.60	29.6
RJUM-01-25-ES	25	40	58	43.7	1.85	36.5
RJUM-01-30-ES	30	47	68	51.7	1.85	43.5

Also available with liners:



JUM-11



XUM-01

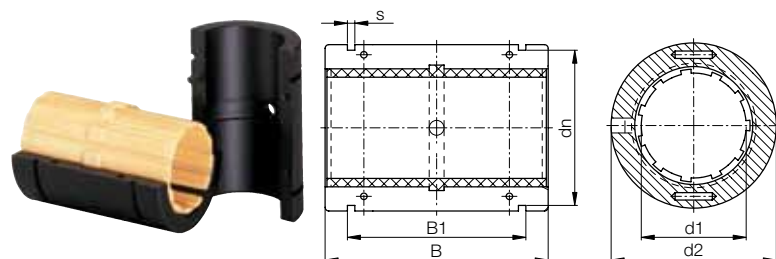
STAIN-
LESS
STEELdelivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

drylin® R Linear Plain Bearing | Product Range

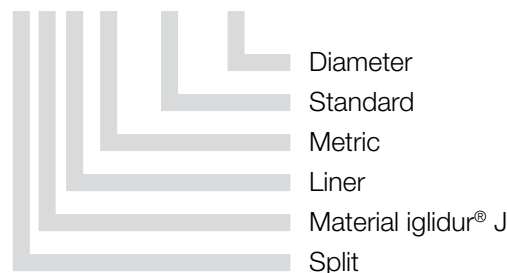
Split anodized aluminum adapter



Order key



TJUM-01-10



- Dimensions correspond to the standard for recirculating ball bearings
- Quick replacement of bearing lining without dismantling the shaft



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Inch dimensions ► www.igus.eu/eu/tjui-01

Technical Data

Part number	Shaft Ø	Tolerance* bearing inner diameter	F max. dyn.** P = 5 MPa	F max. stat.** P = 35 MPa	Weight
	[mm]	[mm]	[N]	[N]	[g]
TJUM-01-10	10	+0.030 +0.092	725	5,075	14
TJUM-01-12	12	+0.030 +0.097	960	6,720	19
TJUM-01-16	16	+0.030 +0.097	1,440	10,080	27
TJUM-01-20	20	+0.030 +0.103	2,250	15,750	49
TJUM-01-25	25	+0.030 +0.103	3,625	25,375	106
TJUM-01-30	30	+0.040 +0.124	5,100	35,700	166
TJUM-01-40	40	+0.040 +0.124	8,000	56,000	347
TJUM-01-50	50	+0.050 +0.146	12,500	87,500	577

Dimensions [mm]

Part number	d1	d2	B h10	B1 H10	s H10	dn
TJUM-01-10	10	19 -0.020 -0.040	29	21.6	1.30	17.5
TJUM-01-12	12	22 -0.020 -0.040	32	22.6	1.30	20.5
TJUM-01-16	16	26 -0.020 -0.040	36	24.6	1.30	24.2
TJUM-01-20	20	32 -0.020 -0.045	45	31.2	1.60	29.6
TJUM-01-25	25	40 -0.030 -0.055	58	43.7	1.85	36.5
TJUM-01-30	30	47 -0.030 -0.055	68	51.7	1.85	43.5
TJUM-01-40	40	62 -0.030 -0.060	80	60.3	2.15	57.8
TJUM-01-50	50	75 -0.030 -0.060	100	77.3	2.65	70.5

Can be combined with:



RQA-01



RTA-01



RGA-01



RGAS-01



JUM-11



XUM-01

Also available with liners:

delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

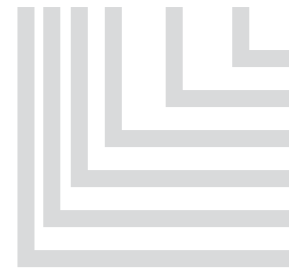
drylin® R Linear Plain Bearing | Product Range

Closed aluminum adapter (floating bearing)

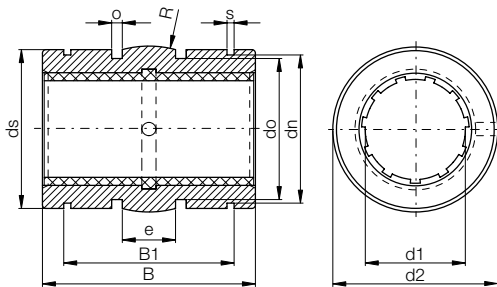


Order key

RJUM-03-10



Diameter
Self-aligning
Metric
Liner
Material iglidur® J
Closed



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



* according to igus® testing method ► page 925

** Ø < 10 mm use iglidur® JSM sleeve bearings

*** construction standards ► page 926

Please note: Installation instructions ► page 877

Floating bearing ► page 876

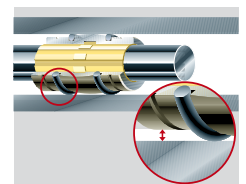
Inch dimensions ► www.igus.eu/eu/rjui-03

Technical Data

Part number	Shaft Ø [mm]	Housing bore Ø H7 [mm]	Tol.* bearing inner-Ø [mm]	F max. dyn.*** P = 5 MPa [N]	F max. stat.*** P = 35 MPa [N]	Weight [g]
RJZM-03-08**	8	16	+0.032 +0.070	960	6,720	8
RJUM-03-10	10	19	+0.030 +0.088	725	5,075	11
RJUM-03-12	12	22	+0.030 +0.088	960	6,720	17
RJUM-03-16	16	26	+0.030 +0.088	1,440	10,080	23
RJUM-03-20	20	32	+0.030 +0.091	2,250	15,750	44
RJUM-03-25	25	40	+0.030 +0.091	3,625	25,375	92
RJUM-03-30	30	47	+0.040 +0.110	5,100	35,700	145
RJUM-03-40	40	62	+0.040 +0.115	8,000	56,000	311
RJUM-03-50	50	75	+0.050 +0.130	12,500	87,500	542

Dimensions [mm]

Part number	d1	d2	B	B1	s	dn	ds	do	o	e	R
		h8	h10	H10	H10	h10	h10		+0.1		
RJZM-03-08**	8	15.8	24.9	16.4	1.10	15.0	15.5	13.2	1.86	5.0	20
RJUM-03-10	10	18.8	28.9	21.8	1.30	17.5	18.5	15.4	1.86	5.0	13.0
RJUM-03-12	12	21.8	31.9	22.8	1.30	20.5	21.5	18.4	1.86	6.0	18.0
RJUM-03-16	16	25.8	35.9	24.9	1.30	24.2	25.5	20.4	2.86	8.0	32.0
RJUM-03-20	20	31.8	44.8	31.5	1.60	29.6	31.5	26.4	2.86	10.0	50.0
RJUM-03-25	25	39.8	57.8	44.1	1.85	36.5	39.5	34.4	2.86	12.5	39.0
RJUM-03-30	30	46.7	67.8	52.1	1.85	43.5	46.0	41.4	2.86	15.0	57.0
RJUM-03-40	40	61.7	79.8	60.9	2.15	57.8	61.0	56.4	2.86	20.0	100.0
RJUM-03-50	50	74.7	99.8	78.0	2.65	70.5	74.0	69.4	2.86	25.0	157.0



Can be combined with:



RQA-03



RTA-03



RGA-03



RGAS-03



JUM-11



XUM-01

Also available with liners:

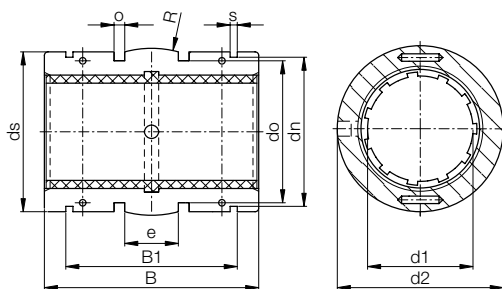
delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

drylin® R Linear Plain Bearing | Product Range

Split aluminum adapter (floating bearing)



Order key



TJUM-03-10



Diameter

Self-aligning

Metric

Liner

Material iglidur® J

Closed

- With spherical area on the outer diameter for self aligning purposes and O-rings for elastic seating
- Dimensions correspond to the standard for recirculating ball bearings



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Floating bearing ► page 876

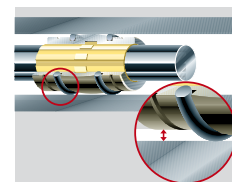
Inch dimensions ► www.igus.eu/eu/rjui-03

Technical Data

Part number	Shaft Ø [mm]	Tolerance* bearing inner-Ø [mm]	F max. dynamic** P = 5 MPa [N]	F max. static** P = 35 MPa [N]	Weight [g]
TJUM-03-10	10	+0.030 +0.092	725	5,075	11
TJUM-03-12	12	+0.030 +0.097	960	6,720	17
TJUM-03-16	16	+0.030 +0.097	1,440	10,080	23
TJUM-03-20	20	+0.030 +0.103	2,250	15,750	44
TJUM-03-25	25	+0.030 +0.103	3,625	25,375	92
TJUM-03-30	30	+0.040 +0.124	5,100	35,700	145
TJUM-03-40	40	+0.040 +0.124	8,000	56,000	311
TJUM-03-50	50	+0.050 +0.146	12,500	87,500	542

Dimensions [mm]

Part number	d1	d2	B h10	B1 H10	s H10	dn h10	ds h10	do	o 0,4	e	R
TJUM-03-10	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-03-12	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-03-16	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-03-20	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-03-25	25	40 -0.030 -0.055	57.8	44.1	1.85	36.5	39.5	34.4	2.86	12.5	39.0
TJUM-03-30	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-03-40	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-03-50	50	75 -0.030 -0.060	99.8	78.0	2.65	70.5	74.0	69.4	2.86	25.0	157.0



Can be combined with:



RQA-03



RTA-03



RGA-03



RGAS-03



JUM-11



XUM-01

Also available with liners:

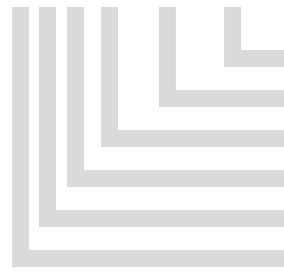
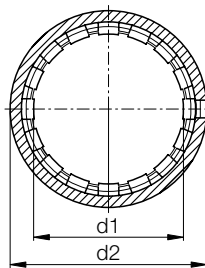
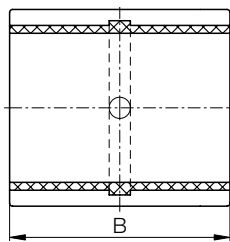
delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

Closed anodized aluminum adapter,
short design



Order key

RJUM-02-16



- Dimensions equivalent to the standard for recirculating ball bearings
- Available also as low-clearance version RJUM-12 (Ø 10–50 mm)



* according to igus® testing method ► page 925

** Ø < 10 mm use iglidur® JSM sleeve bearings

*** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø [mm]	Housing bore Ø H7/K7 [mm]	Tolerance* bearing inner-Ø [mm]	F max. dynamic*** P = 5 MPa [N]	F max. static*** P = 35 MPa [N]	Weight [g]
RJZM-02-06**	6	12	+0.032 +0.070	600	4,200	4
RJZM-02-08**	8	15	+0.032 +0.070	650	4,550	6
RJUM-02-10	10	17	+0.030 +0.088	650	4,550	8
RJUM-02-12	12	19	+0.030 +0.088	840	5,880	10
RJUM-02-16	16	24	+0.030 +0.088	1,200	8,400	17
RJUM-02-20	20	28	+0.030 +0.091	1,500	10,500	18
RJUM-02-25	25	35	+0.030 +0.091	2,500	17,500	42
RJUM-02-30	30	40	+0.040 +0.110	3,750	26,250	56
RJUM-02-40	40	52	+0.040 +0.115	6,000	42,000	113
RJUM-02-50	50	62	+0.050 +0.130	8,750	61,250	147

Dimensions [mm]

Part number	d1	d2 k7	B h10
RJZM-02-06**	6	12	22
RJZM-02-08**	8	15	24
RJUM-02-10	10	17	26
RJUM-02-12	12	19	28
RJUM-02-16	16	24	30
RJUM-02-20	20	28	30
RJUM-02-25	25	35	40
RJUM-02-30	30	40	50
RJUM-02-40	40	52	60
RJUM-02-50	50	62	70



delivery from stock
time



prices price list online
www.igus.eu/eu/drylinR

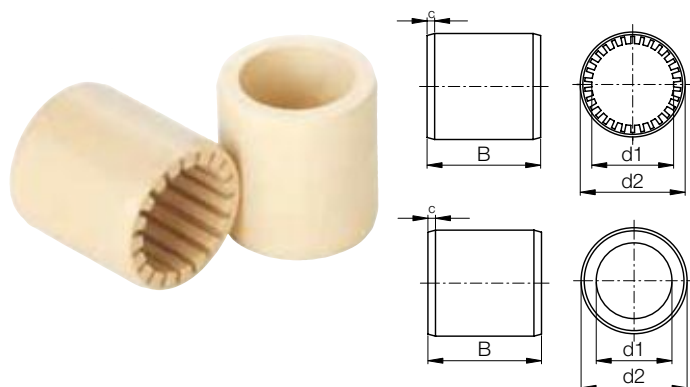
drylin® R Compact Bearing | Product Range

Low-cost linear plain bearing



Order key

RJ260UM-02-12



- Dimensions equivalent to the standard for recirculating ball bearings
- 2 Variations: RJ260M (with plain design) and RJ260UM (grooved structure)



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø	Tolerance* bearing inner diameter	d2	B	C	F max. dynamic** P=5 MPa	F max. static** P=35 MPa	Weight
Grooved bearing	[mm]	[mm]	[mm]	[mm]	[mm]	[N]	[N]	[g]
RJ260UM-02-12	12	+0.035 +0.080	19	28	1.5x15°	420	2,940	6.2
RJ260UM-02-16	16	+0.035 +0.080	24	30	1.5x15°	600	4,200	9.7
RJ260UM-02-20	20	+0.040 +0.095	28	30	2.0x15°	750	5,250	11.7
RJ260UM-02-25	25	+0.040 +0.095	35	40	2.0x15°	1,250	8,750	22.8

Dimensions [mm]

Part number	Shaft Ø	Tolerance* bearing inner diameter	d2	B	C	F max. dynamic** P = 5 MPa	F max. static** P = 35 MPa	Weight
Plain bearing	[mm]	[mm]	[mm]	[mm]	[mm]	[N]	[N]	[g]
RJ260M-02-12	12	+0.035 +0.080	19	28	1.5x15°	420	2,940	6.2
RJ260M-02-16	16	+0.035 +0.080	24	30	1.5x15°	600	4,200	9.7
RJ260M-02-20	20	+0.040 +0.095	28	30	2.0x15°	750	5,250	11.7
RJ260M-02-25	25	+0.040 +0.095	35	40	2.0x15°	1,250	8,750	22.8

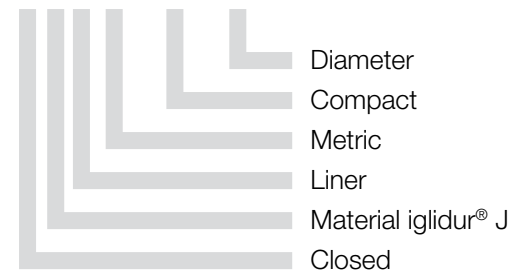
delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

drylin® R Pillow Block | Product Range

Closed anodized aluminum pillow block,
short type

Order key

RJUM-05-10



* according to igus® testing method ► page 925

** Ø < 10 mm use iglidur® JSM sleeve bearings

*** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø [mm]	Tolerance* bearing inner diameter [mm]	F max. dynamic*** P = 5 MPa [N]	F max. static*** P = 35 MPa [N]	Weight [g]
RJZM-05-08**	8	+0.032 +0.070	960	6,720	46
RJUM-05-10	10	+0.030 +0.088	650	4,550	71
RJUM-05-12	12	+0.030 +0.088	840	5,880	78
RJUM-05-16	16	+0.030 +0.088	1,200	8,400	106
RJUM-05-20	20	+0.030 +0.091	1,500	10,500	132
RJUM-05-25	25	+0.030 +0.091	2,500	17,500	253
RJUM-05-30	30	+0.040 +0.110	3,750	26,250	374
RJUM-05-40	40	+0.040 +0.115	6,000	42,000	713
RJUM-05-50	50	+0.050 +0.130	8,750	61,250	1,168

Dimensions [mm]

Part number	d1	H	H1	A	M	E	S	S1	S2	N1	N2	L
						±0.15						
RJZM-05-08**	8	14	27	32	16.0	23	6.0	M4	3.4	13	9	24
RJUM-05-10	10	16	33	40	20.0	29	8.0	M5	4.3	16	11	26
RJUM-05-12	12	17	33	40	20.0	29	8.0	M5	4.3	16	11	28
RJUM-05-16	16	19	38	45	22.5	34	8.0	M5	4.3	18	11	30
RJUM-05-20	20	23	45	53	26.5	40	9.5	M6	5.3	22	13	30
RJUM-05-25	25	27	54	62	31.0	48	11.0	M8	6.6	26	18	40
RJUM-05-30	30	30	60	67	33.5	53	11.0	M8	6.6	29	18	50
RJUM-05-40	40	39	76	87	43.5	69	15.0	M10	8.4	38	22	60
RJUM-05-50	50	47	92	103	51.5	82	18.0	M12	10.5	46	26	70

Also available with liners:



XUM-02



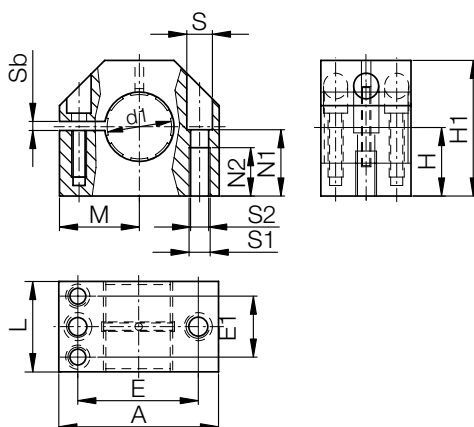
JUM-12

delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

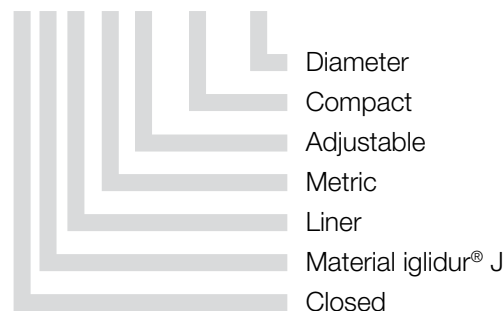
drylin® R Pillow Block | Product Range

Adjustable anodized aluminum housing,
short type

Order key



RJUME-05-12



- With adjustable clearance for shaft diameters
12 to 50 mm



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø	Tolerance* bearing inner diameter	F max. dynamic** P = 5 MPa	F max. static** P = 35 MPa	Weight
	[mm]	[mm]	[N]	[N]	[g]
RJUME-05-12	12	adjustable	840	5,880	78
RJUME-05-16	16	adjustable	1,200	8,400	106
RJUME-05-20	20	adjustable	1,500	10,500	132
RJUME-05-25	25	adjustable	2,500	17,500	253
RJUME-05-30	30	adjustable	3,750	26,250	374
RJUME-05-40	40	adjustable	6,000	42,000	713
RJUME-05-50	50	adjustable	8,750	61,250	1,168

Dimensions [mm]

Part number	d1	H	H1	A	M	E	E1	S	S1	S2	Sb	N1	N2	L
						±0.15	±0.15							
RJUME-05-12	12	17	33	40	20.0	29	18.0	8.0	4.3	M5	2	16	11	28
RJUME-05-16	16	19	38	45	22.5	34	19.0	8.0	4.3	M5	2	18	11	30
RJUME-05-20	20	23	45	53	26.5	40	20.0	9.5	5.3	M6	2	22	13	30
RJUME-05-25	25	27	54	62	31.0	48	25.5	11.0	6.6	M8	2	26	18	40
RJUME-05-30	30	30	60	67	33.5	53	30.5	11.0	6.6	M8	2	29	18	50
RJUME-05-40	40	39	76	87	43.5	69	36.0	15.0	8.4	M10	2	38	22	60
RJUME-05-50	50	47	92	103	51.5	82	44.0	18.0	10.5	M12	2	46	26	70

Also available with liners:



XUM-02



JUM-12

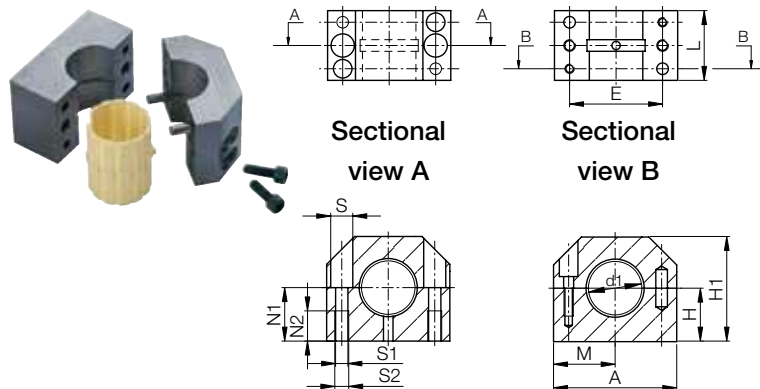
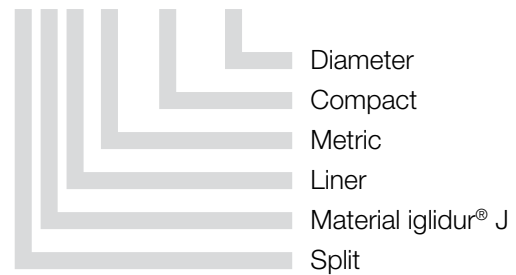
delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

drylin® R Pillow Block | Product Range

Split anodized aluminum housing,
short type

Order key

TJUM-05-16



- Replacement of the liner is possible without removing the shaft



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø [mm]	Tolerance* bearing inner diameter [mm]	F max. dynamic** P = 5 MPa [N]	F max. static** P = 35 MPa [N]	Weight [g]
TJUM-05-16	16	+0.030 +0.120	1,200	8,400	105
TJUM-05-20	20	+0.030 +0.120	1,500	10,500	137
TJUM-05-25	25	+0.030 +0.120	2,500	17,500	253
TJUM-05-30	30	+0.040 +0.135	3,750	26,250	377
TJUM-05-40	40	+0.040 +0.135	6,000	42,000	720

Dimensions [mm]

Part number	d1	H ±0.02	H1	A	M	E ±0.15	S	S1	S2	N1	N2	L
TJUM-05-16	16	19	38	45	22.5	34	8.0	M5	4.3	18	11	30
TJUM-05-20	20	23	45	53	26.5	40	9.5	M6	5.3	22	13	30
TJUM-05-25	25	27	54	62	31.0	48	11.0	M8	6.6	26	18	40
TJUM-05-30	30	30	60	67	33.5	53	11.0	M8	6.6	29	18	50
TJUM-05-40	40	39	76	87	43.5	69	15.0	M10	8.4	38	22	60

Also available with liners:



XUM-02



JUM-12

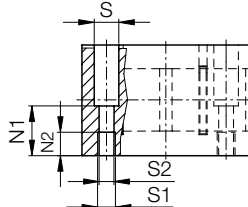
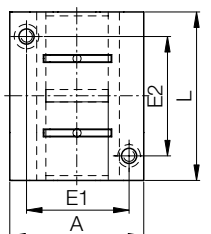
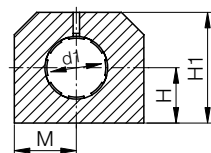
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www.igus.eu/eu/drylinR

drylin® R Pillow Block | Product Range

Closed anodized aluminum housing,
short tandem type



Order key



RJUMT-05-12



Diameter
Compact
Tandem
Metric
Liner
Material iglidur® J
Closed

- Tandem type of design
- Equipped with 2 JUM-02 liners to increase the guide length



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø [mm]	Tolerance* bearing inner diameter [mm]	F max. dynamic** P = 5 MPa [N]	F max. static** P = 35 MPa [N]	Weight [g]
RJUMT-05-12	12	+0.030 +0.088	840	5,880	170
RJUMT-05-16	16	+0.030 +0.088	1,200	8,400	250
RJUMT-05-20	20	+0.030 +0.091	1,500	10,500	300
RJUMT-05-25	25	+0.030 +0.091	2,500	17,500	550
RJUMT-05-30	30	+0.040 +0.110	3,750	26,250	750
RJUMT-05-40	40	+0.040 +0.115	6,000	42,000	1,500
RJUMT-05-50***	50	+0.050 +0.130	8,750	61,250	2,400

Dimensions [mm]

Part number	d1	H	H1	A	M	E1 ±0.15	E2 ±0.15	S	S1	S2	N1	N2	L
RJUMT-05-12	12	17	33	40	20	29	35	8.0	M5	4.3	16.0	11	60
RJUMT-05-16	16	19	38	45	22.5	34	40	8.0	M5	4.3	18.0	11	65
RJUMT-05-20	20	23	45	53	26.5	40	45	9.5	M6	5.3	22.0	13	65
RJUMT-05-25	25	27	54	62	31	48	55	11.0	M8	6.6	26.0	18	85
RJUMT-05-30	30	30	60	67	33.5	53	70	11.0	M8	6.6	29.0	18	105
RJUMT-05-40	40	39	76	87	43.5	69	85	15.0	M10	8.4	38.0	22	125
RJUMT-05-50***	50	47	92	103	51.5	82	100	18.0	M12	10.5	46.0	26	145

Also available with liners:



XUM-02



JUM-12



delivery from stock
time *** on request



prices price list online
www.igus.eu/eu/drylinR

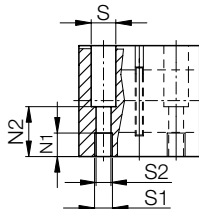
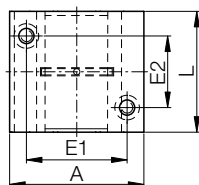
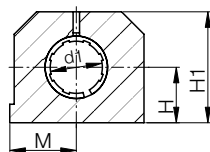
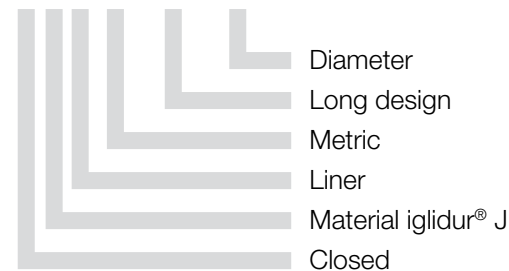
drylin® R Pillow Block | Product Range

Closed anodized aluminum housing,
long design



Order key

RJUM-06-12



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø [mm]	Tolerance* bearing inner diameter [mm]	F max. dynamic** P = 5 MPa [N]	F max. static** P = 35 MPa [N]	Weight [g]
RJUM-06-12	12	+0.030 +0.088	960	6,720	121
RJUM-06-16	16	+0.030 +0.088	1,440	10,080	211
RJUM-06-20	20	+0.030 +0.091	2,250	15,750	323
RJUM-06-25	25	+0.030 +0.091	3,625	25,375	651
RJUM-06-30	30	+0.040 +0.110	5,100	35,700	1,050
RJUM-06-40	40	+0.040 +0.115	8,000	56,000	1,820
RJUM-06-50	50	+0.050 +0.130	12,500	87,500	3,250

Dimensions [mm]

Part number	d1	H	H1	A	M	E1 ±0.15	E2 ±0.15	S	S1	S2	N1	N2	L
RJUM-06-12	12	18	35	43	21.5	32	23	8.0	M5	4.3	16.5	11	39
RJUM-06-16	16	22	42	53	26.5	40	26	10.0	M6	5.3	21.0	13	43
RJUM-06-20	20	25	50	60	30.0	45	32	11.0	M8	6.6	24.0	18	54
RJUM-06-25	25	30	60	78	39.0	60	40	15.0	M10	8.4	29.0	22	67
RJUM-06-30	30	35	70	87	43.5	68	45	15.0	M10	8.4	34.0	22	79
RJUM-06-40	40	45	90	108	54.0	86	58	18.0	M12	10.5	44.0	26	91
RJUM-06-50	50	50	105	132	66.0	108	50	20.0	M16	13.5	49.0	34	113

Can be combined with:



RGA-01



RGA-03



RJUM-06-LL



XUM-01



JUM-11

Also available with liners:



delivery from stock
time



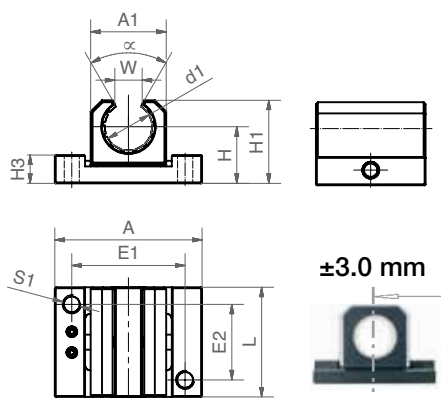
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drylin® R Pillow Block | Product Range

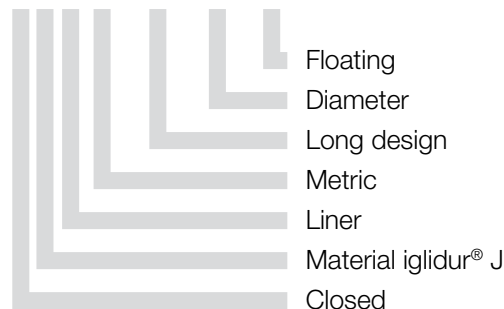
Floating pillow block RJUM-06-LL



Order key



RJUM-06-12-LL



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



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Floating bearing ► page 876

Technical Data

Part number	Shaft Ø	Tolerance* bearing inner diameter	F max. static or dynamic**	Weight
	[mm]	[mm]	[N]	[g]
RJUM-06-12-LL	12	+0.030 +0.088	560	50
RJUM-06-16-LL	16	+0.030 +0.088	920	80
RJUM-06-20-LL	20	+0.030 +0.091	2,100	130
RJUM-06-25-LL	25	+0.030 +0.091	3,550	280
RJUM-06-30-LL	30	+0.040 +0.110	5,300	430
RJUM-06-40-LL	40	+0.040 +0.115	8,000	850
RJUM-06-50-LL	50	+0.050 +0.130	12,500	1,550

Dimensions [mm]

Part number	d1	H	H1	A	E1 ±0.15	E2 ±0.15	S1	L	A1	H3
RJUM-06-12-LL	12	18	28	43	32	23	M5	32	20	11
RJUM-06-16-LL	16	22	35	53	40	26	M6	36	26	11
RJUM-06-20-LL	20	25	41	60	45	32	M8	45	32	12.5
RJUM-06-25-LL	25	30	50	78	60	40	M10	58	40	15
RJUM-06-30-LL	30	35	59	87	68	45	M10	68	48	15
RJUM-06-40-LL	40	45	76	108	86	58	M12	80	62	20
RJUM-06-50-LL	50	50	89	132	108	50	M16	100	78	24

Can be combined with:



RGA-01



RGA-03



RJUM-06

Also available with liners:



XUM-01



JUM-11

delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

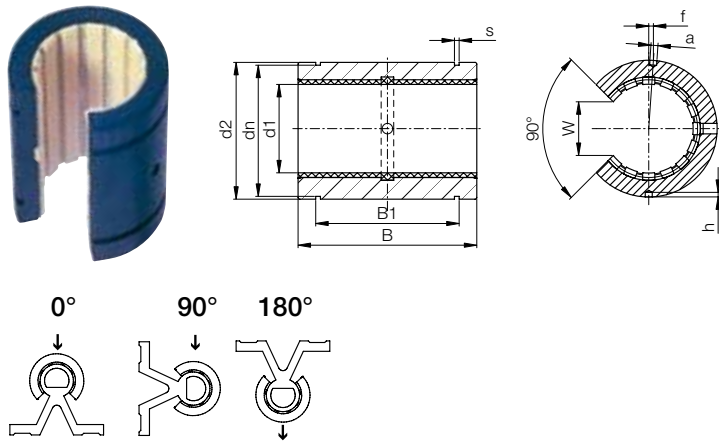
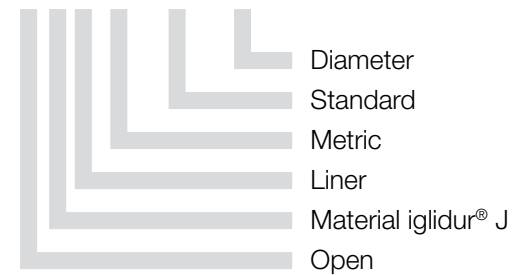
drylin® R Linear Plain Bearing | Product Range

Open anodized aluminum adapter



Order key

OJUM-01-10



- For supported shafts
- Dimensions equivalent to the standard for recirculating ball bearings



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Inch dimensions ► www.igus.eu/eu/ojui-01

Technical Data

Part number	Shaft Ø [mm]	Tolerance* bearing inner diameter [mm]	F max. [N] dyn.** P = 5 MPa			F max. [N] stat.** P = 35 MPa			Weight [g]
			0°	90°	180°	0°	90°	180°	
OJUM-01-10	10	+0.030 +0.088	725	500	196	5,075	3,500	1,370	11
OJUM-01-12	12	+0.030 +0.088	960	635	240	6,720	4,445	1,680	15
OJUM-01-16	16	+0.030 +0.088	1,440	990	396	10,080	6,943	2,772	21
OJUM-01-20	20	+0.030 +0.091	2,250	1,800	900	15,750	12,600	6,300	42
OJUM-01-25	25	+0.030 +0.091	3,625	2,953	1,523	25,375	20,670	10,658	70
OJUM-01-30	30	+0.040 +0.110	5,100	4,250	2,278	35,700	29,735	15,946	132
OJUM-01-40	40	+0.040 +0.115	8,000	6,810	3,800	56,000	47,660	26,660	278
OJUM-01-50	50	+0.050 +0.130	12,500	10,750	6,125	87,500	75,265	42,875	479

Dimensions [mm]

Part number	d1	d2	B	W	a	dn	B1	s	f	h
		h7	h10	-1	+0.1	h10	H10	H10	±0.2	-0.5
OJUM-01-10	10	19	29	7.3	0.0	17.5	21.6	1.30	0	1.2
OJUM-01-12	12	22	32	9.0	3.0	20.5	22.6	1.30	1.33 (7°)	1.2
OJUM-01-16	16	26	36	11.6	2.2	24.2	24.6	1.30	0	1.2
OJUM-01-20	20	32	45	12.0	2.2	29.6	31.2	1.60	0	1.2
OJUM-01-25	25	40	58	14.5	3.0	36.5	43.7	1.85	-1.5 (-4.3°)	1.5
OJUM-01-30	30	47	68	16.6	3.0	43.5	51.7	1.85	2 (4.9°)	2.0
OJUM-01-40	40	62	80	21.0	3.0	57.8	60.3	2.15	1.5 (2.8°)	2.0
OJUM-01-50	50	75	100	25.5	5.0	70.5	77.3	2.65	2.5 (3.8°)	2.0

Can be combined with:



OQA-01



OGA-01



OTA-01



OGAS-01

Also available with liners:



XUMO-01



JUMO-11

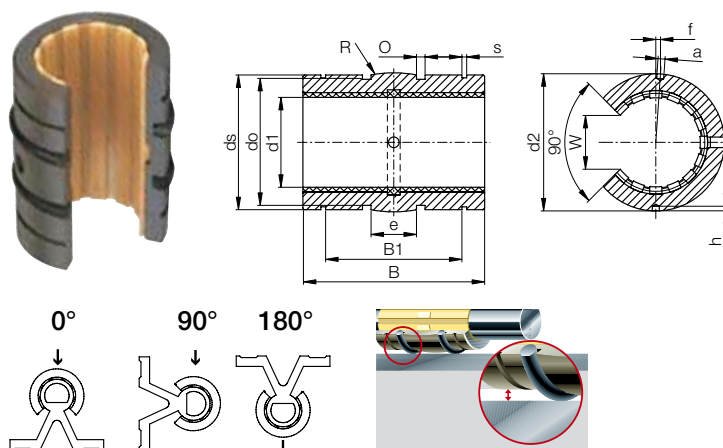
delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

drylin® R Linear Plain Bearing | Product Range

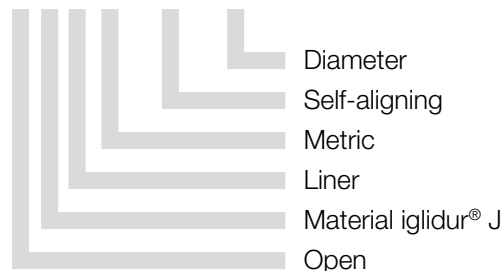
Open anodized aluminum adapter, floating



Order key



OJUM-03-10



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



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Floating bearing ► page 876

Inch dimensions ► www.igus.eu/eu/ojui-01

Technical Data

Part number	Shaft Ø [mm]	Housing bore Ø H7	Tolerance* bearing inner diameter [mm]	F max. [N] dyn.** P = 5 MPa			F max. [N] stat.** P = 35 MPa			Weight [g]
				0°	90°	180°	0°	90°	180°	
OJUM-03-10	10	19	+0.030 +0.088	725	500	196	5,075	3,500	1,370	10
OJUM-03-12	12	22	+0.030 +0.088	960	635	240	6,720	4,445	1,680	13
OJUM-03-16	16	26	+0.030 +0.088	1,440	990	396	10,080	6,943	2,772	19
OJUM-03-20	20	32	+0.030 +0.091	2,250	1,800	900	15,750	12,600	6,300	38
OJUM-03-25	25	40	+0.030 +0.091	3,625	2,953	1,523	25,375	20,670	10,658	63
OJUM-03-30	30	47	+0.040 +0.110	5,100	4,250	2,278	35,700	29,735	15,946	119
OJUM-03-40	40	62	+0.040 +0.115	8,000	6,810	3,800	56,000	47,660	26,600	250
OJUM-03-50	50	75	+0.050 +0.130	12,500	10,750	6,125	87,500	75,265	42,875	431

Dimensions [mm]

Part number	d1	d2	ds	e	o	do	B1	s	B	W	a	f	h
		h7	h10		+0.1		H10	H10	h10	-1	+0.1	±0.2	-0.5
OJUM-03-10	10	18.8	18.5	5.0	1.86	15.4	21.8	1.30	28.9	7.3	0.0	0	1.2
OJUM-03-12	12	21.8	21.5	6.0	1.86	18.4	22.8	1.30	31.9	9.0	3.0	1.33 (7°)	1.2
OJUM-03-16	16	25.8	25.5	8.0	2.86	20.4	24.9	1.30	35.9	11.6	2.2	0	1.2
OJUM-03-20	20	31.8	31.5	10.0	2.86	26.4	31.5	1.60	44.8	12.0	2.2	0	1.2
OJUM-03-25	25	39.8	39.0	12.5	2.86	34.4	44.1	1.85	57.8	14.5	3.0	-1.5 (-4.3°)	1.5
OJUM-03-30	30	46.7	46.0	15.0	2.86	41.4	52.1	1.85	67.8	16.6	3.0	2 (4.9°)	2
OJUM-03-40	40	61.7	61.0	20.0	2.86	56.4	60.9	2.15	79.8	21.0	3.0	1.5 (2.8°)	2
OJUM-03-50	50	74.7	74.0	25.0	2.86	69.4	78.0	2.65	99.8	25.5	5.0	2.5 (3.8°)	2

Can be combined with:



OQA-01



OGA-01



OTA-03



OGAS-03

Also available with liners:



XUMO-01



JUMO-11

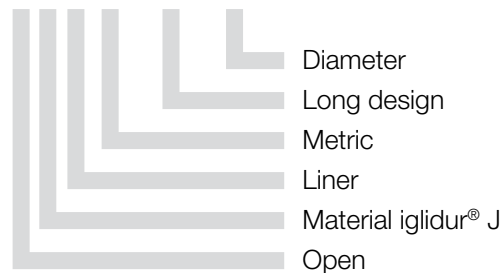
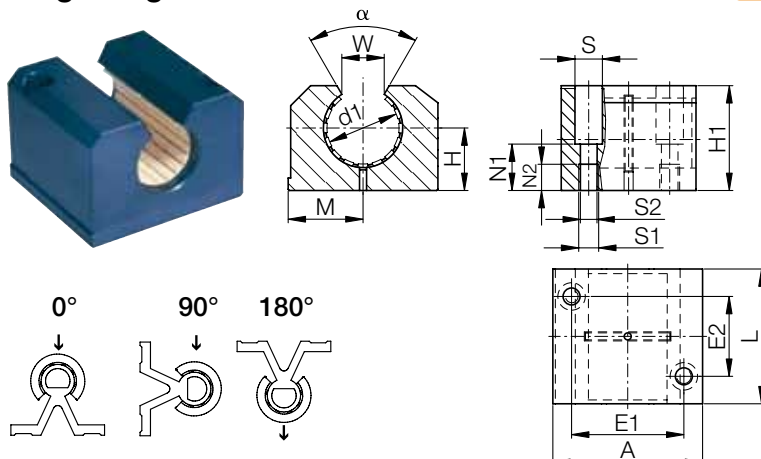
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www.igus.eu/eu/drylinR

drylin® R Pillow Block | Product Range

Open anodized pillow block,
long design

Order key

OJUM-06-12



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø [mm]	Tolerance* bearing inner diameter [mm]	F max. [N] dynamic** P = 5 MPa			F max. [N] static** P = 35 MPa			Weight [g]
			0°	90°	180°	0°	90°	180°	
OJUM-06-12	12	+0.030 +0.088	960	635	240	6,720	4,445	1,680	95
OJUM-06-16	16	+0.030 +0.088	1,440	990	396	10,080	6,943	2,772	158
OJUM-06-20	20	+0.030 +0.091	2,250	1,800	900	15,750	12,600	6,300	266
OJUM-06-25	25	+0.030 +0.091	3,625	2,953	1,523	25,375	20,670	10,658	530
OJUM-06-30	30	+0.040 +0.110	5,100	4,250	2,278	35,700	29,735	15,946	818
OJUM-06-40	40	+0.040 +0.115	8,000	6,810	3,800	56,000	47,660	26,600	1,485
OJUM-06-50	50	+0.050 +0.130	12,500	10,750	6,125	87,500	75,265	42,875	2,750

Dimensions [mm]

Part number	d1	H	H1	A	M	E1	E2	S	S1	S2	N1	N2	W	α	L
						±0.15	±0.15							-1	[°]
OJUM-06-12	12	18	28	43	21.5	32	23	8.0	M5	4.3	16.5	11	10.2	78	39
OJUM-06-16	16	22	35	53	26.5	40	26	10.0	M6	5.3	21.0	13	11.6	78	43
OJUM-06-20	20	25	42	60	30.0	45	32	11.0	M8	6.6	24.0	18	12.0	60	54
OJUM-06-25	25	30	51	78	39.0	60	40	15.0	M10	8.4	29.0	22	14.5	60	67
OJUM-06-30	30	35	60	87	43.5	68	45	15.0	M10	8.4	34.0	22	16.6	57	79
OJUM-06-40	40	45	77	108	54.0	86	58	18.0	M12	10.5	44.0	26	21.0	56	91
OJUM-06-50	50	50	88	132	66.0	108	50	20.0	M16	13.5	49.0	34	25.5	54	113

Can be combined with:



OGA-01



OGA-03



OJUM-06-LL

Also available with liners:



XUMO-01



JUMO-11

delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

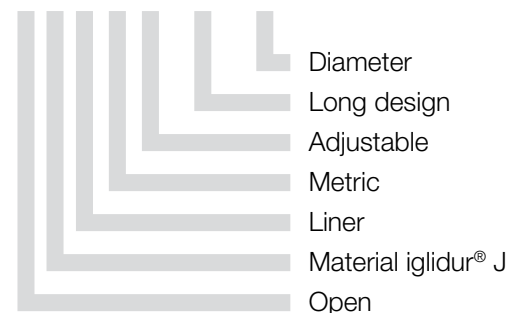
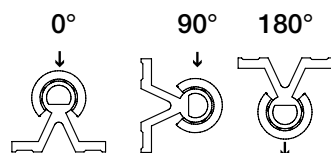
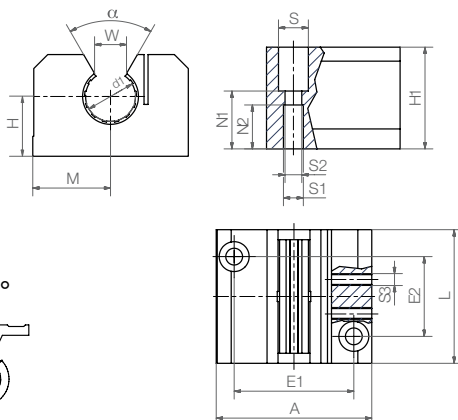
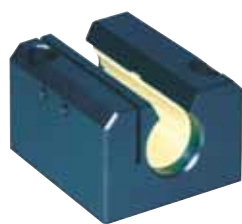
drylin® R Pillow Block | Product Range

Open anodized pillow block,
long design, adjustable



Order key

OJUME-06-12



- With two set screws (DIN 913),
Clearance adjustment possible



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø [mm]	Tolerance* bearing inner diameter [mm]	F max. [N] dynamic** P = 5 MPa			F max. [N] static** P = 35 MPa			Weight [g]
			0°	90°	180°	0°	90°	180°	
OJUME-06-12	12	adjustable	960	635	240	6,720	4,445	1,680	100
OJUME-06-16	16	adjustable	1,440	990	396	10,080	6,943	2,772	160
OJUME-06-20	20	adjustable	2,250	1,800	900	15,750	12,600	6,300	270
OJUME-06-25	25	adjustable	3,625	2,953	1,523	25,375	20,670	10,658	530
OJUME-06-30	30	adjustable	5,100	4,250	2,278	35,700	29,735	15,946	820
OJUME-06-40	40	adjustable	8,000	6,810	3,800	56,000	47,660	26,600	1,490
OJUME-06-50	50	adjustable	12,500	10,750	6,125	87,500	75,265	42,875	2,750

Dimensions [mm]

Part number	d1	H	H1	A	M	E1	E2	S	S1	S2	S3	N1	N2	W	α	L
						±0.15	±0.15							-1	[°]	
OJUME-06-12	12	18	28	43	21.5	32	23	8.0	M5	4.3	M4	16.5	11	10.2	78	39
OJUME-06-16	16	22	35	53	26.5	40	26	10.0	M6	5.3	M4	21.0	13	11.6	78	43
OJUME-06-20	20	25	42	60	30.0	45	32	11.0	M8	6.6	M5	24.0	18	12.0	60	54
OJUME-06-25	25	30	51	78	39.0	60	40	15.0	M10	8.4	M6	29.0	22	14.5	60	67
OJUME-06-30	30	35	60	87	43.5	68	45	15.0	M10	8.4	M6	34.0	22	16.6	57	79
OJUME-06-40	40	45	77	108	54.0	86	58	18.0	M12	10.5	M8	44.0	26	21.0	56	91
OJUME-06-50	50	50	88	132	66.0	108	50	20.0	M16	13.5	M8	49.0	34	25.5	54	113

Can be combined with:



IGA-01



IGA-03



OJUM-06

Also available with liners:



XUMO-01



JUMO-11



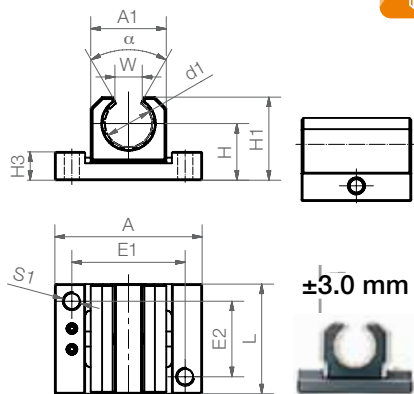
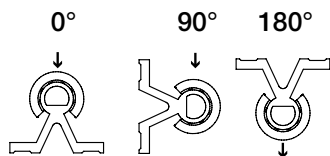
delivery from stock
time



prices price list online
www.igus.eu/eu/drylinR

drylin® R Pillow Block | Product Range

Floating pillow block



Order key

OJUM-06-12-LL



Floating bearing
Diameter
Long design
Metric
Liner
Material iglidur® J
Open

● Compensation of parallelism errors up to 6 mm



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Floating Bearing ► page 876

Technical Data

Part number	Shaft Ø [mm]	Tolerance* bearing inner diameter [mm]	F max. static or dynamic** [N]	F max. dynamic load at 180°** [N]	Weight [g]
OJUM-06-12-LL	12	+0.030 +0.088	560	240	40
OJUM-06-16-LL	16	+0.030 +0.088	920	400	70
OJUM-06-20-LL	20	+0.030 +0.091	2,100	900	115
OJUM-06-25-LL	25	+0.030 +0.091	3,550	1,520	240
OJUM-06-30-LL	30	+0.040 +0.110	5,300	2,280	370
OJUM-06-40-LL	40	+0.040 +0.115	8,000	3,800	750
OJUM-06-50-LL	50	+0.050 +0.130	12,500	6,100	1,400

Dimensions [mm]

Part number	d1	H	H1	A	E1 ±0.15	E2 ±0.15	S1	L	A1	H3	W -1	α [°]
OJUM-06-12-LL	12	18	24.5	43	32	23	M5	32	20	11	10.2	90
OJUM-06-16-LL	16	22	30.5	53	40	26	M6	36	26	11	11.6	90
OJUM-06-20-LL	20	25	37.0	60	45	32	M8	45	32	12.5	12.0	60
OJUM-06-25-LL	25	30	44.0	78	60	40	M10	58	40	15	14.5	60
OJUM-06-30-LL	30	35	52.5	87	68	45	M10	68	48	15	16.8	60
OJUM-06-40-LL	40	45	69.0	108	86	58	M12	80	62	20	21.0	60
OJUM-06-50-LL	50	50	80.0	132	108	50	M16	100	78	24	25.5	60

Can be combined with:



OGA-01



OGA-03



OJUM-06

Also available with liners:



XUMO-01



JUMO-11



delivery from stock
time



prices price list online
www.igus.eu/eu/drylinR

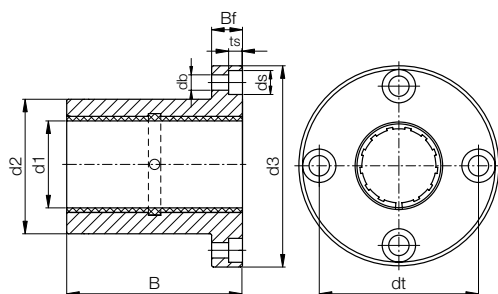
drylin® R Flange Pillow Block | Product Range

Made of anodized aluminum,
round flange



Order key

FJUM-01-10



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø [mm]	Tolerance* bearing inner diameter [mm]	F max. dynamic** P = 5 MPa [N]	F max. static** P = 35 MPa [N]	Weight [g]
FJZM-01-08**	8	+0.032 +0.070	960	6,720	20
FJUM-01-10	10	+0.030 +0.088	725	5,075	32
FJUM-01-12	12	+0.030 +0.088	960	6,720	42
FJUM-01-16	16	+0.030 +0.088	1,440	10,080	51
FJUM-01-20	20	+0.030 +0.091	2,250	15,750	88
FJUM-01-25	25	+0.030 +0.091	3,625	25,375	152
FJUM-01-30	30	+0.040 +0.110	5,100	35,700	266
FJUM-01-40	40	+0.040 +0.115	8,000	56,000	552
FJUM-01-50	50	+0.050 +0.130	12,500	87,500	853

Dimensions [mm]

Part number	d1	d2 h7	d3	dt	B	Bf	ts	db	ds
FJZM-01-08**	8	16	32	24	25	8	3.1	3.5	6.0
FJUM-01-10	10	19	39	29	29	9	4.1	4.5	7.5
FJUM-01-12	12	22	42	32	32	9	4.1	4.5	7.5
FJUM-01-16	16	26	46	36	36	9	4.1	4.5	7.5
FJUM-01-20	20	32	54	43	45	11	5.1	5.5	9.0
FJUM-01-25	25	40	62	51	58	11	5.1	5.5	9.0
FJUM-01-30	30	47	76	62	68	14	6.1	6.6	11.0
FJUM-01-40	40	62	98	80	80	18	8.1	9.0	14.0
FJUM-01-50	50	75	112	94	100	18	8.1	9.0	14.0

Also available with liners:



XUM-01



JUM-11



delivery from stock
time



prices price list online
www.igus.eu/eu/drylinR

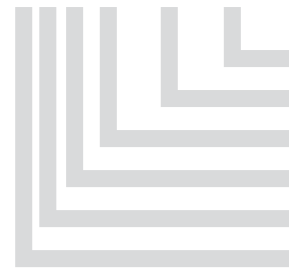
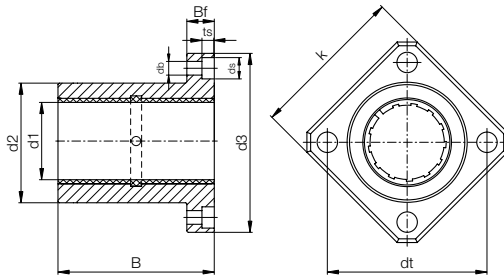
drylin® R Flange Pillow Block | Product Range

Made of anodized aluminum,
square flange



Order key

FJUM-02-10



Diameter
Square
Metric
Liner
Material iglidur® J
Flange



* according to igus® testing method ► page 925

** construction standards ► page 926

Please note: Installation instructions ► page 877

Technical Data

Part number	Shaft Ø [mm]	Tolerance* bearing inner diameter [mm]	F max. dynamic** P = 5 MPa [N]	F max. static** P = 35 MPa [N]	Weight [g]
FJZM-02-08**	8	+0.032 +0.070	960	6,720	17
FJUM-02-10	10	+0.030 +0.088	725	5,075	25
FJUM-02-12	12	+0.030 +0.088	960	6,720	32
FJUM-02-16	16	+0.030 +0.088	1,440	10,080	41
FJUM-02-20	20	+0.030 +0.091	2,250	15,750	73
FJUM-02-25	25	+0.030 +0.091	3,625	25,375	135
FJUM-02-30	30	+0.030 +0.110	5,100	35,700	228
FJUM-02-40	40	+0.030 +0.115	8,000	56,000	454
FJUM-02-50	50	+0.030 +0.130	12,500	87,500	735

Dimensions [mm]

Part number	d1	d2 h7	d3	dt	k	B	Bf	ts	db	ds
FJZM-02-08**	8	16	32	24	25	25	8	3.1	3.5	6.0
FJUM-02-10	10	19	39	29	30	29	9	4.1	4.5	7.5
FJUM-02-12	12	22	42	32	32	32	9	4.1	4.5	7.5
FJUM-02-16	16	26	46	36	35	36	9	4.1	4.5	7.5
FJUM-02-20	20	32	54	43	42	45	11	5.1	5.5	9.0
FJUM-02-25	25	40	62	51	50	58	11	5.1	5.5	9.0
FJUM-02-30	30	47	76	62	60	68	14	6.1	6.6	11.0
FJUM-02-40	40	62	98	80	75	80	18	8.1	9.0	14.0
FJUM-02-50	50	75	112	94	88	100	18	8.1	9.0	14.0

Also available with liners:



XUM-01



JUM-11



delivery from stock
time



prices price list online
www.igus.eu/eu/drylinR

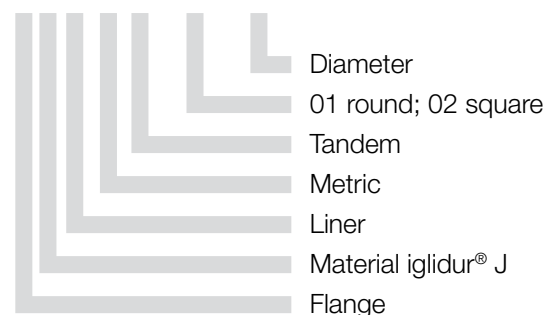
drylin® R Flange Pillow Block | Product Range

Made of anodized aluminum, round/square flange, Tandem type of design



Order key

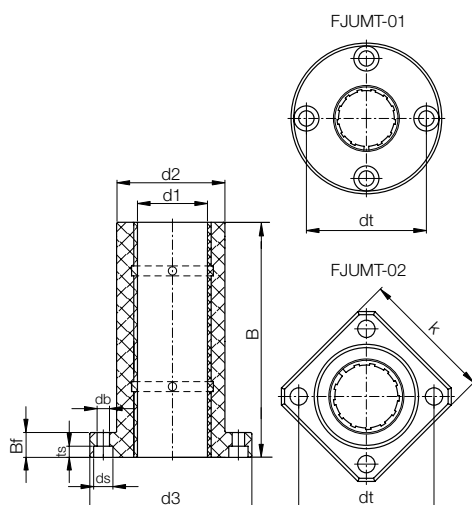
FJUMT-01-08



FJUMT-01-...



FJUMT-02-...



* according to igus® testing method ► page 925

** FJZMT-01/02-08 are fitted with 2 pieces of JSM-0810-16

Please note: Installation instructions ► page 877

● equipped with two JUM-02 liners for more guiding length

Dimensions [mm]

Part number	Dimension nominal diameter [mm]	Tolerance* bearing inner diameter [mm]	Flange length FJUMT-01/02-... [mm]	Effective surface area FJUMT-01/02-... [mm]
FJZMT-□-08**	8	+0.032 +0.070	45	256
FJUMT-□-10	10	+0.030 +0.088	52	250
FJUMT-□-12	12	+0.030 +0.088	57	324
FJUMT-□-16	16	+0.030 +0.088	70	464
FJUMT-□-20	20	+0.030 +0.091	80	580
FJUMT-□-25	25	+0.030 +0.091	112	975
FJUMT-□-30	30	+0.030 +0.110	123	1,470
FJUMT-□-40	40	+0.030 +0.115	151	2,360
FJUMT-□-50	50	+0.030 +0.130	192	3,450

Dimensions [mm]

Part number	d1	d2 h7	d3	dt	k	B	Bf	ts	db	ds
FJZMT-□-08**	8	16	32	24	25	45	8	3.1	3.5	6.0
FJUMT-□-10	10	19	39	29	30	52	9	4.1	4.5	7.5
FJUMT-□-12	12	22	42	32	32	57	9	4.1	4.5	7.5
FJUMT-□-16	16	26	46	36	35	70	9	4.1	4.5	7.5
FJUMT-□-20	20	32	54	43	42	80	11	5.1	5.5	9.0
FJUMT-□-25	25	40	62	51	50	112	11	5.1	5.5	9.0
FJUMT-□-30	30	47	76	62	60	123	14	6.1	6.6	11.0
FJUMT-□-40	40	62	98	80	75	151	18	8.1	9.0	14.0
FJUMT-□-50	50	75	112	94	88	192	18	8.1	9.0	14.0

□ Please insert: 01 for round ● or 02 for square ◆ flange



delivery from stock
time



prices price list online
www.igus.eu/eu/drylinR

drylin® R Quad Block | Product Range

Closed design



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



Order key

RQA-01-08



Inner-Ø

01: Standard with RJUM-01

03: with RJUM-03

04: with RJM-01

Aluminum housing

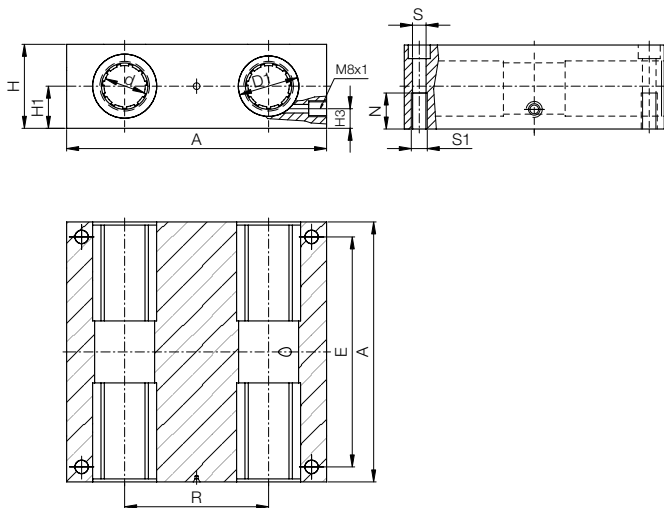
RQ: Quad block

with RJUM bearings



Please note:

Installation instructions ► page 877



Dimensions [mm]

Part number	Self-aligning	All polymer bearing	d	D1	A	H	H1	H3	R	N	E	S	S1
Standard with RJUM-01	with RJUM-03	with RJM-01											
RQA-01-08	–	RQA-04-08	8	16	65	23	11.5	8	32	11	55	4.3	M5
RQA-01-12	RQA-03-12	RQA-04-12	12	22	85	32	16	13	42	13	73	5.3	M6
RQA-01-16	RQA-03-16	RQA-04-16	16	26	100	36	18	15	54	13	88	5.3	M6
RQA-01-20	RQA-03-20	RQA-04-20	20	32	130	46	23	19	72	18	115	6.6	M8
RQA-01-25	RQA-03-25	RQA-04-25	25	40	160	56	28	24	88	22	140	8.4	M10
RQA-01-30	RQA-03-30	RQA-04-30	30	47	180	64	32	27	96	26	158	10.5	M12
RQA-01-40	RQA-03-40	RQA-04-40	40	62	230	80	40	35	122	34	202	13.5	M16

Are equipped with:



RJUM-01



RJUM-03



RJM-01



delivery from stock
time



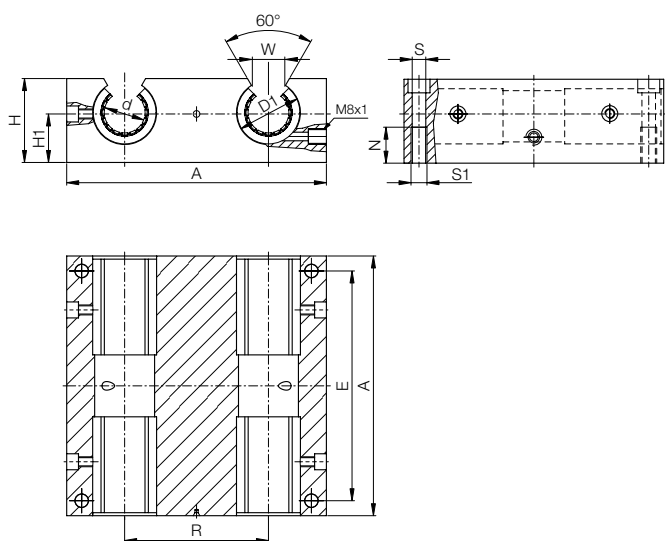
prices price list online
www.igus.eu/eu/drylinR

drylin® R Quad Block | Product Range

Open design



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



Order key

OQA-01-12



Inner-Ø

01: Standard with
OJUM-01

03: with OJUM-03

Aluminum housing

OQ: Quad block
with OJUM bearings

Please note:

Installation instructions ► page 877

Dimensions [mm]

Part number Standard with OJUM-01	Self-aligning with OJUM-03	d	D1	A	H	H1	W	R	N	E	S	S1
OQA-01-12	OQA-03-12	12	22	85	30	18	14	42	13	73	5.3	M6
OQA-01-16	OQA-03-16	16	26	100	35	22	17	54	13	88	5.3	M6
OQA-01-20	OQA-03-20	20	32	130	42	25	17	72	18	115	6.8	M8
OQA-01-25	OQA-03-25	25	40	160	51	30	21	88	22	140	9.0	M10
OQA-01-30	OQA-03-30	30	47	180	60	35	21	96	26	158	10.5	M12
OQA-01-40	OQA-03-40	40	62	230	77	45	27	122	34	202	13.5	M16

Are equipped with:



OJUM-01

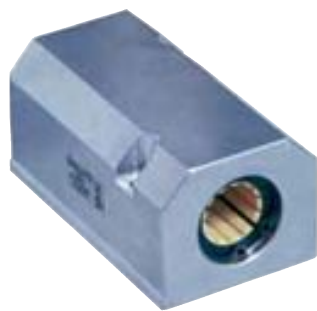


OJUM-03

delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

drylin® R Pillow Block | Product Range

Closed , Tandem design



- Housing: Aluminum, equipped with 2 drylin® R linear plain bearings to increase the guide length



Order key

RTA-01-08



Inner-Ø

01: Standard with RJUM-01

03: with RJUM-03

04: with RJM-01

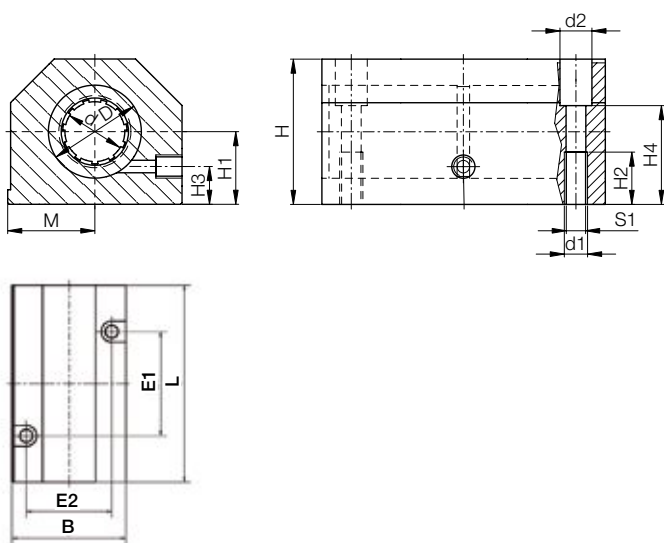
Aluminum housing

RT: Tandem housing with RJUM bearing



Please note:

Installation instructions ► page 877



Dimensions [mm]

Part number	Self-aligning	All polymer bearing	d	D	H	H1	H2	H3	H4	S1	B	L	M	E1	E2	d1	d2
Standard				H6		+0.01								+0.3	±0.02	±0.15	±0.15
with RJUM-01	with RJUM-03	with RJM-01				-0.02											
RTA-01-08	–	RTA-04-08	8	16	28	13	13	8	23	M5	35	62	17.5	35	25	4.20	8
RTA-01-12	RTA-03-12	RTA-04-12	12	22	35	18	13	10	25	M6	43	76	21.5	40	30	5.20	10
RTA-01-16	RTA-03-16	RTA-04-16	16	26	42	22	13	12	30	M6	53	84	26.5	45	36	5.20	10
RTA-01-20	RTA-03-20	RTA-04-20	20	32	50	25	18	13	34	M8	60	104	30.0	55	45	6.80	11
RTA-01-25	RTA-03-25	RTA-04-25	25	40	60	30	22	15	40	M10	78	130	39.0	70	54	8.60	15
RTA-01-30	RTA-03-30	RTA-04-30	30	47	70	35	26	16	48	M12	87	152	43.5	85	62	10.30	18
RTA-01-40	RTA-03-40	RTA-04-40	40	62	90	45	34	20	60	M16	108	176	54.0	100	80	14.25	20

Are equipped with:



RJUM-01



RJUM-03



RJM-01



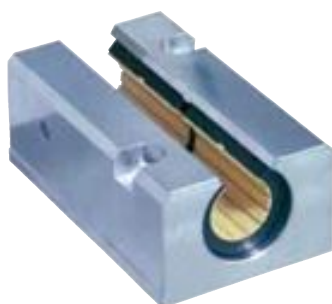
delivery from stock
time



prices price list online
www.igus.eu/eu/drylinR

drylin® R Pillow Block | Product Range

Open, Tandem design



- Housing: Aluminum, equipped with 2 drylin® R linear plain bearings to increase the guide length



Order key

OTA-01-12

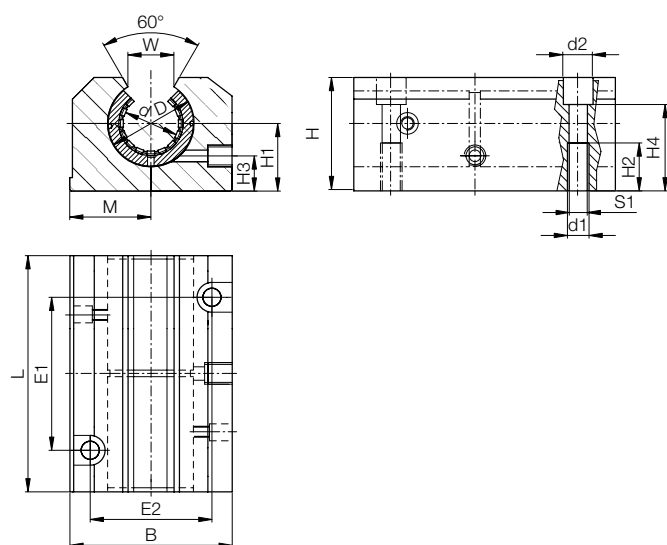


Inner-Ø
 01: Standard with
 OJUM-01
 03: with OJUM-03
 Aluminum housing
 OT: Tandem housing
 with OJUM bearings



Please note:

Installation instructions ► page 877



Dimensions [mm]

Part number	Self-aligning	d	D	H	H1	H2	H3	H4	S1	B	L	M	E1	E2	d1	d2	W
Standard			H6		+0.01						+0.3	±0.02	±0.15	±0.15			
with	with				-0.02												
OJUM-01	OJUM-03																
OTA-01-12	OTA-03-12	12	22	30	18	13	10	25	M6	43	76	21.5	40	30	5.20	10	14
OTA-01-16	OTA-03-16	16	26	35	22	13	12	30	M6	53	84	26.5	45	36	5.20	10	17
OTA-01-20	OTA-03-20	20	32	42	25	18	13	34	M8	60	104	30.0	55	45	6.80	11	17
OTA-01-25	OTA-03-25	25	40	51	30	22	15	40	M10	78	130	39.0	70	54	8.60	15	21
OTA-01-30	OTA-03-30	30	47	60	35	26	16	48	M12	87	152	43.5	85	62	10.30	18	21
OTA-01-40	OTA-03-40	40	62	77	45	34	20	60	M16	108	176	54.0	100	80	14.25	20	27

Are equipped with:



OJUM-01



OJUM-03

delivery from stock
timeprices price list online
www.igus.eu/eu/drylinR

drylin® R Pillow Block | Product Range

Closed, long design



- Housing: Aluminum, equipped with 2 drylin® R linear plain bearings



Order key

RGA-01-08



Inner-Ø

01: Standard with RJUM-01

03: with RJUM-03

04: with RJM-01

Aluminum housing

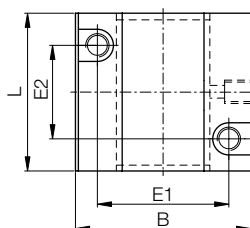
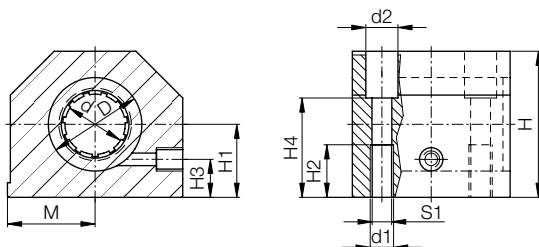
Linear housing

with RJUM bearings



Please note:

Installation instructions ► page 877



Dimensions [mm]

Part number	Self-aligning	All polymer bearing	d	D	H	H1	H2	H3	H4	S1	B	L	M	E1	E2	d1	d2
Standard	with	with		H6		+0.01						±0.3	±0.02	±0.15	±0.15		
with RJUM-01	RJUM-03	RJM-01				-0.02											
RGA-01-08	–	RGA-04-08	8	16	28	13	10	8	14	M4	35	32	17.5	25	20	3.2	6
RGA-01-12	RGA-03-12	RGA-04-12	12	22	35	18	11	10	25	M5	43	39	21.5	32	23	4.2	6
RGA-01-16	RGA-03-16	RGA-04-16	16	26	42	22	13	12	30	M6	53	43	26.5	40	26	5.2	10
RGA-01-20	RGA-03-20	RGA-04-20	20	32	50	25	18	13	34	M8	60	54	30.0	45	32	6.8	11
RGA-01-25	RGA-03-25	RGA-04-25	25	40	60	30	22	15	40	M10	78	67	39.0	60	40	8.6	15
RGA-01-30	RGA-03-30	RGA-04-30	30	47	70	35	22	16	48	M10	87	79	43.5	68	45	8.6	15
RGA-01-40	RGA-03-40	RGA-04-40	40	62	90	45	26	20	60	M12	108	91	54.0	86	58	10.3	18

Are equipped with:



RJUM-01



RJUM-03



RJM-01

Can be combined with:



RJUM-06



delivery from stock
time



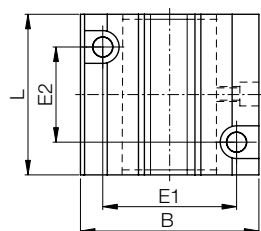
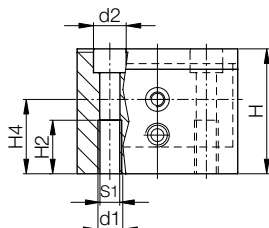
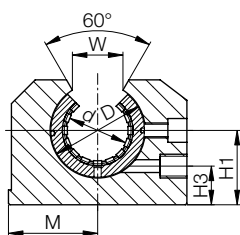
prices price list online
www.igus.eu/eu/drylinR

drylin® R Pillow Block | Product Range

Open, long design



- Housing: Aluminum, equipped with 2 drylin® R linear plain bearings



Order key

OGA-01-12



Inner-Ø
01: Standard with
OJUM-01
03: with OJUM-03
Aluminum housing
Linear housing
with OJUM bearings



Please note:
Installation instructions ► page 877

Dimensions [mm]

Part number	Self-aligning	d	D	H	H1	H2	H3	H4	S1	B	L	M	E1	E2	d1	d2	W
Standard			H6		+0.01						±0.3	±0.02	±0.15	±0.15			+0.6
with OJUM-01	with OJUM-03				-0.02												
OGA-01-12	OGA-03-12	12	22	28	18	11	8	25	M5	43	39	21.5	32	23	4.2	8	14
OGA-01-16	OGA-03-16	16	26	35	22	13	12	30	M6	53	43	26.5	40	26	5.2	10	17
OGA-01-20	OGA-03-20	20	32	42	25	18	13	34	M8	60	54	30.0	45	32	6.8	11	17
OGA-01-25	OGA-03-25	25	40	51	30	22	15	40	M10	78	67	39.0	60	40	8.6	15	21
OGA-01-30	OGA-03-30	30	47	60	35	22	16	48	M10	87	79	43.5	68	45	8.6	15	21
OGA-01-40	OGA-03-40	40	62	77	45	26	20	60	M12	108	91	54.0	86	58	10.3	18	27

Are equipped with:



OJUM-01



OJUM-03

Can be combined with:



OJUM-06



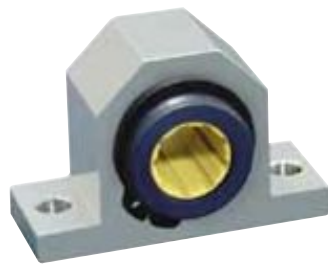
delivery from stock
time



prices price list online
www.igus.eu/eu/drylinR

drylin® R Pillow Block | Product Range

Closed, short design



- Housing: Aluminum, equipped with drylin® R linear plain bearings
- Variations:
Standard: RGAS-01-Ø
Self-aligning: RGAS-03-Ø
All polymer bearing (cost-effective, light): RGAS-04-Ø



Order key

RGAS-01-12

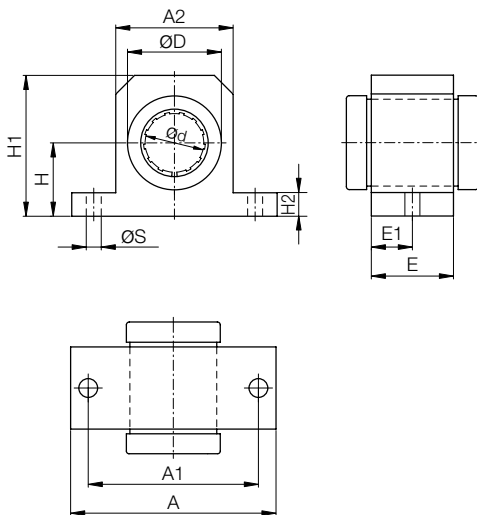


Inner-Ø
01: Standard with RJUM-01
03: with RJUM-03
04: with RJUM-04
Small
Aluminum housing
Linear Housing with RJUM bearings



Please note:

Installation instructions ► page 877



Dimensions [mm]

Part number Standard with RJUM-01	Self-aligning with RJUM-03	All polymer bearing with RJM-01	d	D	H	H1	H2	A	A1	A2	E	E1	S
RGAS-01-12	RGAS-03-12	RGAS-04-12	12	22	18	35	6	52	42	30	20	10	5.3
RGAS-01-16	RGAS-03-16	RGAS-04-16	16	26	22	40.5	7	56	46	34	22	11	5.3
RGAS-01-20	RGAS-03-20	RGAS-04-20	20	32	25	48.0	8	70	58	40	28	14	6.4
RGAS-01-25	RGAS-03-25	RGAS-04-25	25	40	30	58.0	10	80	68	50	40	20	6.4
RGAS-01-30	RGAS-03-30	RGAS-04-30	30	47	35	67.0	10	88	76	58	48	24	6.4
RGAS-01-40	RGAS-03-40	RGAS-04-40	40	62	45	85.0	12	108	94	74	56	28	8.4

Are equipped with:



RJUM-01



RJUM-03



RJM-01



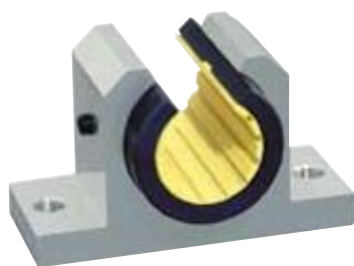
delivery from stock
time



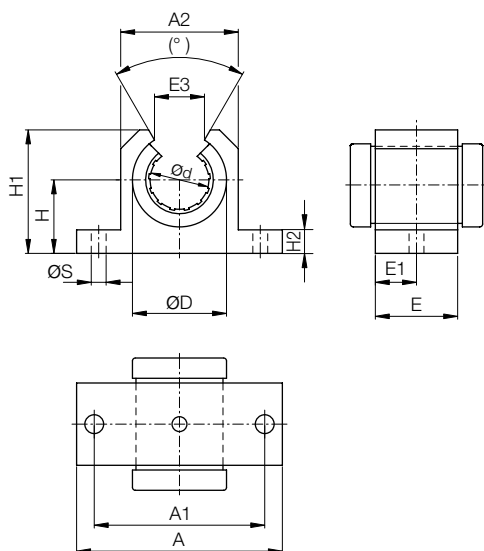
prices price list online
www.igus.eu/eu/drylinR

drylin® R Pillow Block | Product Range

Open, short design

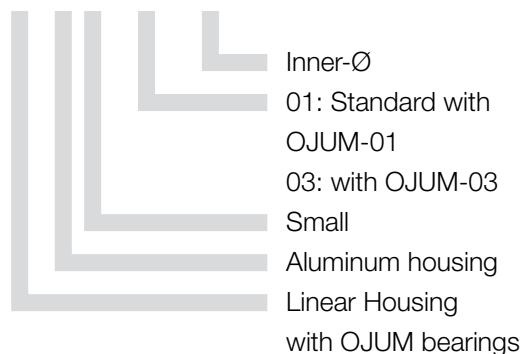


- Housing: Aluminum, equipped with drylin® R linear plain bearings
- Variations:
Standard: OGAS-01-Ø
Self-aligning: OGAS-03-Ø



Order key

OGAS-01-12



Please note:

Installation instructions ► page 877

Dimensions [mm]

Part number	Self-aligning	d	D	H	H1	H2	A	A1	A2	E	E1	E3	(°)	S
Standard with OJUM-01	Self-aligning with OJUM-03													
OGAS-01-12	OGAS-03-12	12	22	18	28	6	52	42	30	20	10	14	78	5.3
OGAS-01-16	OGAS-03-16	16	26	22	33.5	7	56	46	34	22	11	17	78	5.3
OGAS-01-20	OGAS-03-20	20	32	25	42	8	70	58	40	28	14	17	60	6.4
OGAS-01-25	OGAS-03-25	25	40	30	51	10	80	68	50	40	20	21	60	6.4
OGAS-01-30	OGAS-03-30	30	47	35	60	10	88	76	58	48	24	21	54	6.4
OGAS-01-40	OGAS-03-40	40	62	45	77	12	108	94	74	56	28	27	54	8.4

Are equipped with:



OJUM-01



OJUM-03



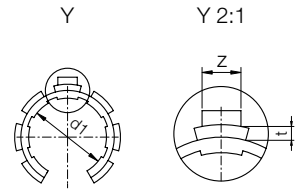
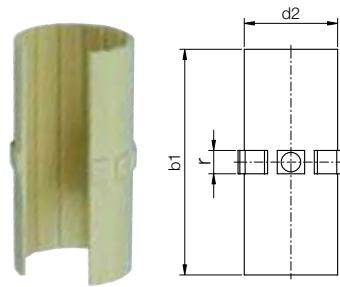
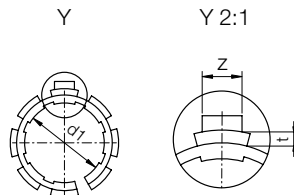
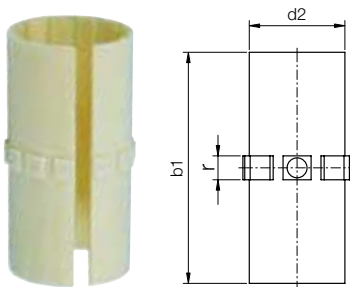
delivery from stock
time



prices price list online
www.igus.eu/eu/drylinR

Closed, long type

Open, Long Type



● For supported shafts



* according to igus® testing method ► page 925

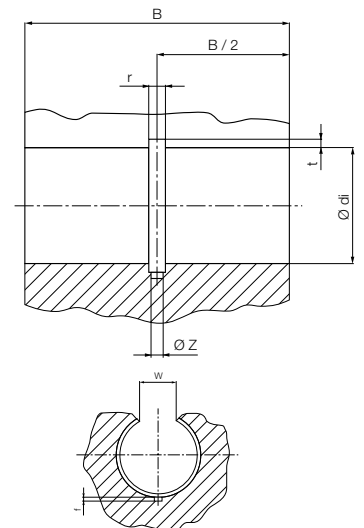
Please note: Installation instructions ► page 877

Dimensions [Inch]

Part number		Ø Shaft	Tolerance*	d2	b1	r	t	z
closed	open							
JUI-01-06		3/8	+0.0016 +0.0024	0.4684	0.846	0.1250	0.0311	0.0866
JUI-01-08	JUIO-01-08	1/2	+0.0016 +0.0024	0.5934	1.22	0.1250	0.0391	0.1024
JUI-01-10	JUIO-01-10	5/8	+0.0016 +0.0024	0.7184	1.46	0.1406	0.0391	0.1181
JUI-01-12	JUIO-01-12	3/4	+0.0016 +0.0024	0.8747	1.575	0.1875	0.0391	0.1339
JUI-01-16	JUIO-01-16	1	+0.0016 +0.0024	1.1247	2.205	0.1875	0.0391	0.1496
JUI-01-20	JUIO-01-20	1 1/4	+0.0020 +0.0032	1.4058	2.579	0.1875	0.0391	0.1496
JUI-01-24	JUIO-01-24	1 1/2	+0.0020 +0.0032	1.6558	2.953	0.2500	0.0625	0.1811
JUI-01-32	JUIO-01-32	2	+0.0024 +0.0040	2.1871	3.937	0.2813	0.0625	0.2280

Housing Bore for Liner JUI-01 | Dimensions [Inch]

Part number		di		B	r	t	f	z
closed	open	H7						
		min.	max.	h10	0.002	0.004	0.002	0.008
JUI-01-06		.4680	.4684	.875	.1250	.031	.039	.102
JUI-01-08	JUIO-01-08	.5940	.5934	1.25	.1250	.031	.059	.122
JUI-01-10	JUIO-01-10	.7190	.7184	1.5	.1406	.031	.067	.142
JUI-01-12	JUIO-01-12	.8755	.8747	1.625	.1875	.031	.079	.142
JUI-01-16	JUIO-01-16	1.1255	1.1247	2.25	.1875	.031	.079	.161
JUI-01-20	JUIO-01-20	1.4068	1.4058	2.625	.1875	.031	.079	.161
JUI-01-24	JUIO-01-24	1.6568	1.6558	3	.2500	.051	.089	.200
JUI-01-32	JUIO-01-32	2.1881	2.1871	4	.2813	.051	.098	.240



Can be combined with:



RJUI-01, RJUI-03,
TJUI-01, TJUI-03

Can be combined with:



OJUI-01, OJUI-03

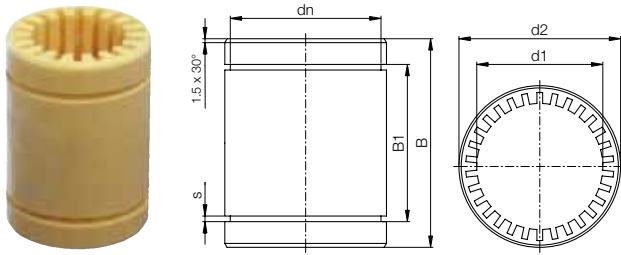


delivery from stock
time



prices price list online
www.igus.eu/eu/drylinR

Made of iglidur® J ► page 93



- Dimensions equivalent to the standard for recirculating ball bearings



* according to igus® testing method ► page 925
Please note: Installation instructions ► page 877

Inner diameter [Inch]

Part number	Shaft Ø	Tolerance* bearing inner diameter	F max. dynamic** P = 2.5 MPa	F max. static** P = 17.5 MPa
RJI-01-06	3/8	+0.0010 +0.0024	265	1,855
RJI-01-08	1/2	+0.0013 +0.0030	505	3,535
RJI-01-10	5/8	+0.0013 +0.0030	755	5,285
RJI-01-12	3/4	+0.0016 +0.0036	982	6,877
RJI-01-16	1	+0.0016 +0.0036	1,815	12,705
RJI-01-20	1 1/4	+0.0020 +0.0044	2,645	18,515
RJI-01-24	1 1/2	+0.0020 +0.0044	3,630	25,410
RJI-01-32	2	+0.0024 +0.0053	6,452	45,167

Dimensions [Inch]

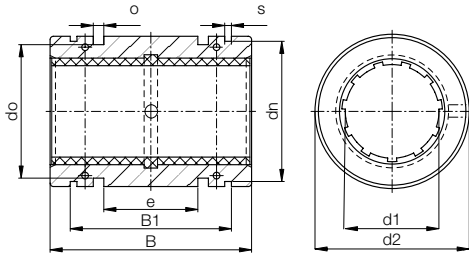
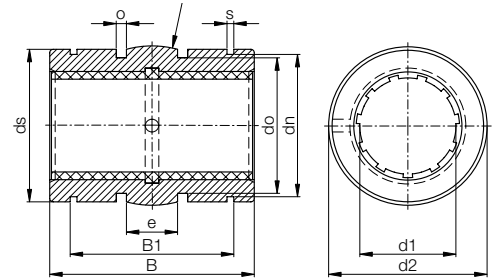
Part number	d1	d2	B	B1	s	dn
RJI-01-06	3/8	0.6250	0.8750	0.6890	0.0410	0.5870
RJI-01-08	1/2	0.8750	1.2500	1.0125	0.0480	0.8200
RJI-01-10	5/8	1.1250	1.5000	1.0950	0.0580	1.0600
RJI-01-12	3/4	1.2500	1.6250	1.2500	0.0580	1.1770
RJI-01-16	1	1.5625	2.2500	1.8640	0.0700	1.4710
RJI-01-20	1 1/4	2.0000	2.6250	1.9840	0.0700	1.8890
RJI-01-24	1 1/2	2.3750	3.0000	2.3900	0.0890	2.2410
RJI-01-32	2	3.000	4.0000	3.1630	0.1050	2.8390



delivery from stock
time



prices price list online
www.igus.eu/eu/drylinR

Closed, anodized aluminum adapter –
version 01Closed, anodized aluminum adapter –
version 03 (floating bearing)

- Dimensions equivalent to the standard for recirculating ball bearings
- With reduced outer diameter, spherical area on the outer diameter, O-rings for elastic seating and hard anodized surface



* according to igus® testing method ► page 925

** Ø < 3/8 Inch with pressfit sleeve bearings

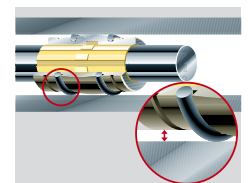
Please note: Installation instructions ► page 877

Dimensions [Inch]

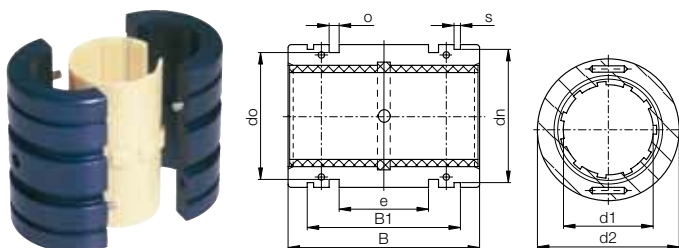
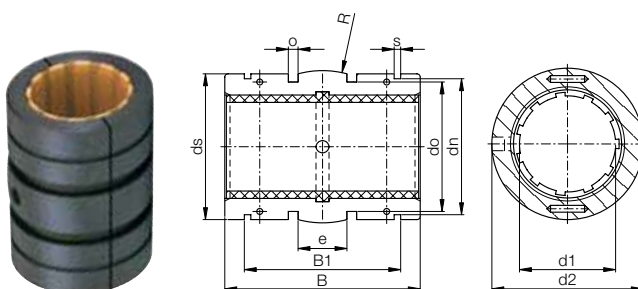
Part number	Ø Shaft	Tolerance*	d2 h7	B h10	B1 H10
RJZI-01-04**/-03-04**	1/4	+0.0016 +0.0032	.5000/.4921	.7500/.7460	.5190/.5270
RJUI-01-06/-03-06	3/8	+0.0016 +0.0032	.6250/.6173	.8750/.8713	.6440/.6520
RJUI-01-08/-03-08	1/2	+0.0016 +0.0032	.8750/.8673	1.2500/1.2461	.9790/.9870
RJUI-01-10/-03-10	5/8	+0.0016 +0.0032	1.1250/1.1173	1.5000/1.4961	1.1240/1.1360
RJUI-01-12/-03-12	3/4	+0.0016 +0.0032	1.2500/1.2421	1.6250/1.6173	1.1860/1.1980
RJUI-01-16/-03-16	1	+0.0016 +0.0032	1.5625/1.5547	2.2500/2.2421	1.7730/1.7890
RJUI-01-20/-03-20	1 1/4	+0.0020 +0.0041	2.0000/1.9881	2.6250/2.6173	2.0230/2.0390
RJUI-01-24/-03-24	1 1/2	+0.0020 +0.0041	2.3750/2.3634	3.0000/2.9921	2.4400/2.4630
RJUI-01-32/-03-32	2	+0.0024 +0.0051	3.0000/2.9881	4.0000/3.9921	3.2220/3.2490

Dimensions [Inch]

Part number	s H10	dn h10	ds h10	do	e	o -0.004
RJZI-01-04**/-03-04**	.0410	.4670	.4803	.3990	.125	.0800
RJUI-01-06/-03-06	.0410	.5870	.6055	.5240	.243	.0800
RJUI-01-08/-03-08	.0520	.8200	.8556	.7120	.281	.1250
RJUI-01-10/-03-10	.0620	1.0600	1.1055	.9620	.312	.1250
RJUI-01-12/-03-12	.0620	1.1770	1.2300	1.0870	.312	.1250
RJUI-01-16/-03-16	.0740	1.4710	1.5271	1.3990	.500	.1250
RJUI-01-20/-03-20	.0740	1.8890	1.9606	1.8370	.625	.1250
RJUI-01-24/-03-24	.0950	2.2410	2.3358	2.1520	.650	.1620
RJUI-01-32/-03-32	.1110	2.8390	2.9606	2.7750	1.000	.1890

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drylin® R Linear Plain Bearing | Product Range | Inch

Split aluminum adapter –
version 01Split aluminum adapter –
version 03 (floating bearing)

- Dimensions equivalent to the standard for recirculating ball bearings
- With spherical area on the outer diameter and O-rings for elastic seating



* according to igus® testing method ► page 925

Please note:

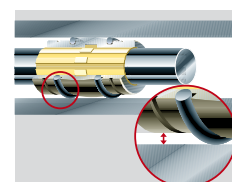
Installation instructions ► page 877

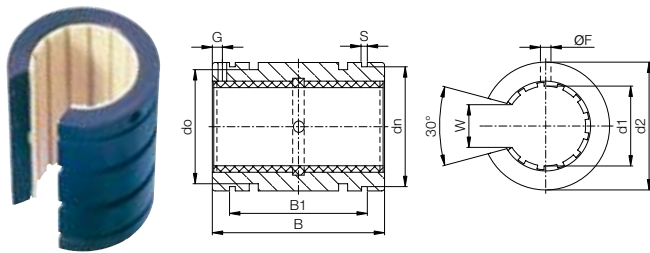
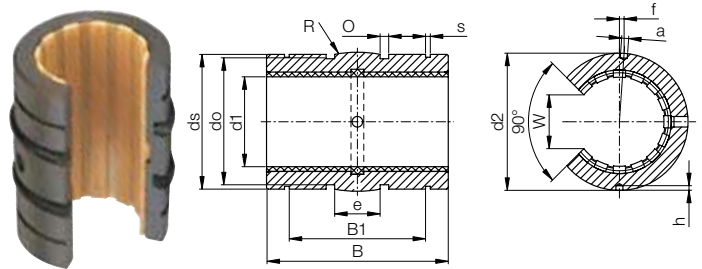
Dimensions [Inch]

Part number	Ø Shaft	Tolerance*	d2 h7	B h10	B1 H10
TJUI-01-08/-03-08	1/2	+0.0016 +0.0036	.8750	1.2500/1.2420	.9790
TJUI-01-10/-03-10	5/8	+0.0016 +0.0036	1.1250	1.5000/1.4920	1.1240
TJUI-01-12/-03-12	3/4	+0.0016 +0.0036	1.2500	1.6250/1.6170	1.1860
TJUI-01-16/-03-16	1	+0.0016 +0.0036	1.5625	2.2500/2.2382	1.7730
TJUI-01-20/-03-20	1 1/4	+0.0020 +0.0039	2.0000	2.6250/2.6134	2.0230
TJUI-01-24/-03-24	1 1/2	+0.0020 +0.0047	2.3750	3.0000/2.9843	2.4400
TJUI-01-32/-03-32	2	+0.0024 +0.0057	3.0000	4.0000/3.9803	3.2220

Dimensions [Inch]

Part number	s H10	dn h10	ds h10	do	e	o +0.008
TJUI-01-08/-03-08	.0520	.8200	0.8563	.7120	.281	.1250
TJUI-01-10/-03-10	.0620	1.0600	1.1039	.9620	.312	.1250
TJUI-01-12/-03-12	.0620	1.1770	1.2276	1.0870	.312	.1250
TJUI-01-16/-03-16	.0740	1.4710	1.5350	1.3990	.500	.1250
TJUI-01-20/-03-20	.0740	1.8890	1.9654	1.8370	.625	.1250
TJUI-01-24/-03-24	.0950	2.2410	2.3370	2.1520	.650	.1620
TJUI-01-32/-03-32	.1110	2.8390	2.9531	2.7750	1.000	.1890

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Open anodized aluminum adapter –
version 01Open anodized aluminum adapter –
version 03 (floating)

- For supported shafts
- With reduced outer diameter, spherical area on the outer diameter, O-rings for elastic seating and hard anodized surface



* according to igus® testing method ► page 925

Please note:

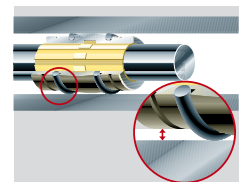
Construction standards ► page 877

Dimensions [Inch]

Part number	Ø Shaft	Tolerance*	d2 h7	B h10	W ±0.012
OJUI-01-08/-03-08	1/2	+0.0016 +0.0032	.8750/.8673	1.2500/1.2461	.3940
OJUI-01-10/-03-10	5/8	+0.0016 +0.0032	1.1250/1.1173	1.5000/1.4961	.4330
OJUI-01-12/-03-12	3/4	+0.0016 +0.0032	1.2500/1.2421	1.6250/1.6173	.4920
OJUI-01-16/-03-16	1	+0.0016 +0.0032	1.5625/1.5547	2.2500/2.2421	.6300
OJUI-01-20/-03-20	1 1/4	+0.0020 +0.0041	2.0000/1.9881	2.6250/2.6173	.7090
OJUI-01-24/-03-24	1 1/2	+0.0020 +0.0041	2.3750/2.3634	3.0000/2.9921	.8660
OJUI-01-32/-03-32	2	+0.0024 +0.0051	3.0000/2.988	4.0000/3.9921	1.1810

Dimensions [Inch]

Part number	s	dn h10	B1 H10	F +0.004	G +0.004	do
OJUI-01-08/-03-08	.0520	.8200	.9790/.9870	.1360	.6250	.6846
OJUI-01-10/-03-10	.0620	1.0600	1.1240/1.1360	.1360	.1250	.9346
OJUI-01-12/-03-12	.0620	1.1770	1.1860/1.1980	.1360	.1250	1.0590
OJUI-01-16/-03-16	.0740	1.4710	1.7730/1.7890	.1360	.1250	1.3720
OJUI-01-20/-03-20	.0740	1.8890	2.0230/2.0390	.2010	.1875	1.8094
OJUI-01-24/-03-24	.0950	2.2410	2.4400/2.4630	.2010	.1875	2.1130
OJUI-01-32/-03-32	.1110	2.8390	3.2220/3.2490	.2650	.3125	2.7378

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drylin® R | igus® Testing Method

igus® Testing method for measuring the tolerance of drylin® plain bearings

To ensure the correct function of a drylin plain bearing, it is necessary to use the bearing with a defined minimum clearance. The quality control of this dimension 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 number	Test force [N]	Ø-i test housing	Min. bearing Øi (c. gauge-free)	Max. bearing Øi (with c. gauge)
JUM-01/02-10	0.981	12.000 mm	10.030 mm	10.070 mm
JUM-01/02-12	1.373	14.000 mm	12.030 mm	12.070 mm
JUM-01/02-16	1.864	18.000 mm	16.030 mm	16.070 mm
JUM-01/02-20	2.649	23.000 mm	20.030 mm	20.070 mm
JUM-01/02-25	3.729	28.000 mm	25.030 mm	25.070 mm
JUM-01/02-30	4.807	34.000 mm	30.040 mm	30.085 mm
JUM-01/02-40	7.063	44.000 mm	40.040 mm	40.085 mm
JUM-01/02-50	9.810	55.000 mm	50.050 mm	50.100 mm
JUI-01-06	0.981	0.4684 Inch	0.3768 Inch	0.3776 Inch
JUI-01-08	1.373	0.5934 Inch	0.5016 Inch	0.5024 Inch
JUI-01-10	1.864	0.7184 Inch	0.6268 Inch	0.6276 Inch
JUI-01-12	2.649	0.8747 Inch	0.7516 Inch	0.7524 Inch
JUI-01-16	3.729	1.1247 Inch	1.0016 Inch	1.0024 Inch
JUI-01-20	4.807	1.4058 Inch	1.2520 Inch	1.2531 Inch
JUI-01-24	7.063	1.6558 Inch	1.5020 Inch	1.5031 Inch
JUI-01-32	9.810	2.1870 Inch	2.0024 Inch	2.0039 Inch
RJM-01-08	0.981	16.000 mm	8.025 mm	8.061 mm
RJM-01-10	0.981	19.000 mm	10.025 mm	10.061 mm
RJM-01-12	1.373	22.000 mm	12.032 mm	12.075 mm
RJM-01-16	1.864	26.000 mm	16.032 mm	16.075 mm
RJM-01-20	2.649	32.000 mm	20.040 mm	20.092 mm
RJM-01-25	3.729	40.000 mm	25.040 mm	25.092 mm
RJM-01-30	4.807	47.000 mm	30.040 mm	30.092 mm
RJM-01-40	7.063	62.000 mm	40.050 mm	40.112 mm
RJM-01-50	9.810	75.000 mm	50.050 mm	50.112 mm
RJI-01-06	0.981	0.6250 Inch	0.3762 Inch	0.3776 Inch
RJI-01-08	1.373	0.8750 Inch	0.5013 Inch	0.5030 Inch
RJI-01-10	1.864	1.1250 Inch	0.6265 Inch	0.6282 Inch
RJI-01-12	2.649	1.2500 Inch	0.7516 Inch	0.7536 Inch
RJI-01-16	3.729	1.5625 Inch	1.0035 Inch	1.0056 Inch
RJI-01-20	4.807	2.0000 Inch	1.2520 Inch	1.2544 Inch
RJI-01-24	7.063	2.3750 Inch	1.5020 Inch	1.5044 Inch
RJI-01-32	9.810	3.0000 Inch	2.0024 Inch	2.0053 Inch
RJ260(U)M-02-12	1.373	19.000 mm	12.032 mm	12.084 mm
RJ260(U)M-02-16	1.864	24.000 mm	16.032 mm	16.084 mm
RJ260(U)M-02-20	2.649	28.000 mm	20.040 mm	20.100 mm
RJ260(U)M-02-25	3.729	35.000 mm	25.040 mm	25.100 mm

Part number	Test force [N]	Ø-i test housing	Min. bearing Øi (c. gauge-free)	Max. bearing Øi (with c. gauge)
XUMO-01-10	0.981	12.000 mm	9.98 mm	10.02 mm
XUM-01/02-12	1.373	14.000 mm	12.02 mm	12.06 mm
XUM-01-14	1.5	16.000 mm	14.02 mm	14.06 mm
XUM-01/02-16	1.864	18.000 mm	16.02 mm	16.06 mm
XUM-01/02-20	2.649	23.000 mm	20.03 mm	20.07 mm
XUM-01/02-25	3.729	28.000 mm	24.97 mm	25.01 mm
XUM-01/02-30	4.807	34.000 mm	29.96 mm	30.01 mm
XUM-01/02-40	7.063	44.000 mm	40.00 mm	40.05 mm

Explanation:

The iglidur® X material has a higher stiffening 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 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 (JUM/RJM) in connection with a housing (RJUM, OJUM, RGA) the factory tolerance of the housing bore (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. Plain bearings of the dimensional series “Japan-Std.” (JUJ) are tested according to the same criteria for the JUM plain bearing.

The effective clearance is also influence from shaft tolerance. The undersize of shaft may be added.

F_{max} dynamic:

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

F_{max} static:

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