s

environments and lightweight

rication-free shaft les – drylin® R

R shaft guides are based on extremely istant polymers specially developed for the hnology. The dimensions are compatible dard ball bearings. The special geometry es reliability even in extreme environments.
lubrication-free
sionally interchangeable with standard lating ball bearings
variety of choice in housing shapes
, shaft end blocks and accessories
le from stock
ceable liners
ss steel housings available

application areas
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lax. +200°C
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lp to Ø 60mm
lore dimensions upon request.

mperial dimensions available
▸ From page 1612

ervice life calculation
▸ www.igus-asean.com/drylin-expert

patible
atic discharge)

an.com/drylinR

igus

drylin® R shaft guides | Product overview

Dimensions correspond to standard for recirculating ball bearings

Liners and press-fit bearings
- Made from iglidur® high-performance polymers
- Easy to fit
- Unaffected by dirt and dust
- Low coefficient of friction, optimised wear quality

▶ Page 1080

Linear plain bearings
- Dimensionally interchangeable with standard recirculating ball bearings
- Extremely lightweight solid plastic bearing
- Aluminium and stainless steel adapters equipped with iglidur® liners

▶ Page 1102

Closed pillow blocks
- Pre-assembled linear housing with drylin® liners
- Material: Anodised aluminium
- Fixed and floating bearing version available

▶ Page 1118

Linear bearings and pillow blocks, open design
- For supported shafts
- Round or with housing
- Clearance adjustment (optional)

▶ Page 1125

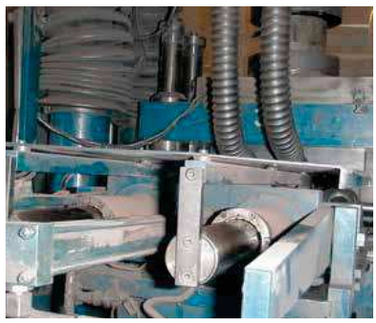
Flanged linear plain bearings
- Pre-assembled housings with drylin® liners
- Round or square flange
- Tandem flange housing for additional stability

▶ Page 1130

Quad block
- Closed and open design
- Torque-resistant quad block housing with four linear adapters
- Also available as tandem housing

▶ Page 1138

linear guide with iglidur® J plastic liner for the
ıs. iglidur® J liners are best suited for most linear
ıs due to their low wear and low friction properties.



ng over to the drylin® R linear plain bearing, the
ce rate of this compaction unit could be extended
ars, despite high stressing from powder particles
ive agents.

ıction line should be adjusted without setup time
ıired. drylin® linear guides, which enable precise
djustment, were used for this.

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

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

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

▶ **www.igus-asean.com/drylin-expert**

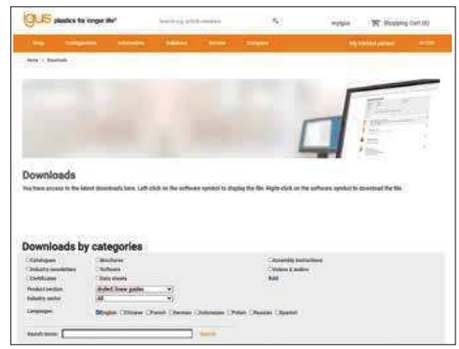
Download the online tool app now

Download on the App Store

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

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

▶ **www.igus-asean.com/drylin-CAD**



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

- Assembly instructions
- Assembly videos
- System design
- Catalogues

▶ **www.igus-asean.com/downloads**

, fibres

ant feature of all the available linear bearings is their of dirt. For most systems the application of wipers recommended for even low dirt accumulation. system features such a high safety with dust, arse dirt as drylin®. The patented design of the urface using individual slide pads connected by ections, provides performance benefits for dirty nts. Dirt, even when it becomes wet on the shaft, is y by the individual glide pads and is moved into the s. The running sections of the drylin® bearing then e shaft that has been cleared of all contaminants.

ear bearings

ns that are on the edge of technical feasibility mely harsh environments often require frequent nt of the bearings. In many cases, drylin® can give increase in the service life. However, in extreme ns, replacement of the bearings is necessary, drylin®. drylin® linear plain bearings can provide ble cost reductions in such cases as only the earing liner has to be replaced. This often means n of more than 90% in replacement part costs. In e dismantling of the shafts is avoided.

The endurance runner – iglidur® E7	The FDA-compliant – iglidur® A180	Blue Sky Thinking FDA/EU-compliant iglidur® A160
om –50°C to +70°C	from –50°C to +90°C	from –50°C to +90°C
Steel/stainless steel shaft	Stainless steel shaft	Hardened stainless steel shafts
> 10^9Ωcm	> 10^{12}Ωcm	> 10^{12}Ωcm
< 0.1% weight	0.2% weight	< 0.1% weight
Steel/stainless steel shaft	Stainless steel shaft	Hardened stainless steel shafts
Steel/stainless steel shaft	All shaft materials	Stainless steel
18MPa	28MPa	15MPa
E7UM-...	A180UM-...	A160UM-...

drylin® R shaft guides | Technical data

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

Series L1 – low-clearance press-fit bearings

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

Compressive strength

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

Surface speeds

The following table shows possible surface speeds of L1 bearings.

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

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

Table 02: Maximum surface speed for iglidur® L100

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

Coefficient of friction

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

Operating temperatures

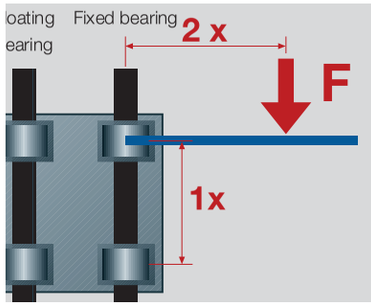
Temperatures affect the compressive strength, the wear and the securing of the bearing in the housing. A firm fit could be determined in all the tests up to a temperature of +70°C. At higher temperatures, an additional securing of the bearing is recommended. With effective securing, L1 plain bearings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

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

Table 03: Temperature limits for iglidur® L100

ic forces

successful use of maintenance-free drylin® linear
t is necessary to follow certain recommendations:
nce between the driving force point and the fixed
s more than twice the bearing spacing (2:1 rule),
iction value of 0.25 can theoretically result in
n the guides.
iple applies regardless of the value of the load
rce. The friction product is always related to the
ings. The greater the distance between the drive
bearings, the higher the degree of wear and
rive force.
observe the 2:1 rule during a use of linear plain
can result in uneven motion or even system
Such situations can often be remedied with
imple modifications. If you have any questions on
d/or assembly, please make use of our technical



: The 2:1 rule

-LL
124

OJUM-06-LL
▶ Page 1125

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

Compensation of misalignment errors

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

Compensation of parallelism errors

an.com/drylinR

drylin® R shaft guides | 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:

Design tips for drylin® linear plain bearings:
The mentioned values for "$F_{max.}$" relate to the performance of the iglidur® liners made from high-performance plastics and cannot be used as the only selection tool for the calculation of an application. The maximum carrying capacity of the entire bearing system depends on the geometry, housing shape, the housing material, the connection including the screws used and requires a separate inspection. For a detailed analysis, please use our online configurator at
▶ **www.igus-asean.com/drylin-expert**

Recommended tolerance for the shaft: h6–h10
Surface roughness [Ra]: 0.15–0.6
Guide shafts round/supported ▶ **Shafts page 1149**

Recommended housing hole H7
Linear plain bearings RJUM-01/03, TJUM-01/03, RJM, RJMP, RJ260(U)M02, press-fit bearings WLM, WLFM

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

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

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

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

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

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

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

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

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

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

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

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

ge

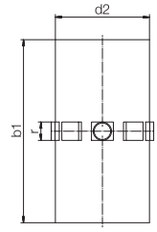
drylin® R liners | Product range

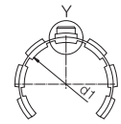
Long, open design for supported shafts – made from iglidur® J (the all-rounder)

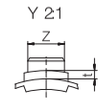
Order key

Type	Size
J U M-01-10	

iglidur® J	Liner	Metric	Standard	Inner Ø d1







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

Order key

Type	Size
J U M O-01-10	

iglidur® J	Liner	Metric	Open	Standard	Inner Ø d1

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

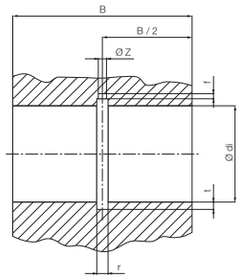
According to igus® testing method ▶ Page 1146
ease note: Installation instructions ▶ Page 1079
n. –50°C
ax. +90°C

Dimensions [mm]

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

Z	Weight [g]	Part No.
2.5	1.10	**JUM-01-10**
3.0	1.50	**JUM-01-12**
3.5	2.20	**JUM-01-16**
3.5	4.90	**JUM-01-20**
4.0	8.23	**JUM-01-25**
4.0	14.95	**JUM-01-30**
4.0	18.20	**JUM-01-35**
5.0	23.16	**JUM-01-40**
6.0	45.35	**JUM-01-50**
6.5	70.00	**JUM-01-60[79]**

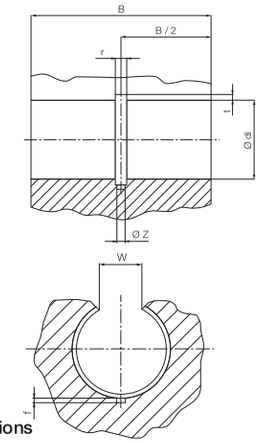
No.
-01-10
-01-12
-01-16
-01-20
-01-25
-01-30
-01-35
-01-40
-01-50
-01-60[79]



Housing hole for JUMO-01 | Dimensions [mm]

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

[79] in two parts



Can be combined with:


OJUM-01/-03


OJUM-06/-06-LL

perial dimensions
Page 1612

Imperial dimensions ▶ Page 1612

ge
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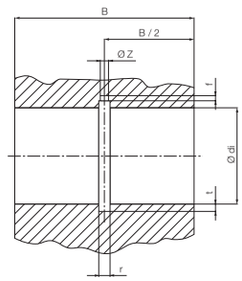
Order key

Type	Size
J U M-11-10	

iglidur® J	Liner	Metric	Precise	Inner Ø d1

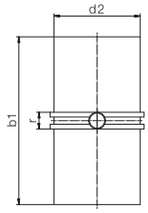
According to igus® testing method ▶ Page 1146
ease note: Installation instructions ▶ Page 1079
n. –50°C
ax. +90°C

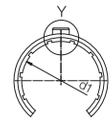
Z	Weight [g]	Part No.
2.5	1.23	JUM-11-10
3.0	1.65	JUM-11-12
3.5	2.42	JUM-11-16
3.5	5.49	JUM-11-20
4.0	8.86	JUM-11-25
4.0	16.63	JUM-11-30
5.0	26.06	JUM-11-40
5.0	48.82	JUM-11-50

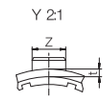


drylin® R liners | Product range

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







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

Order key

Type	Size
J U M O-11-10	

iglidur® J	Liner	Metric	Open	Precise	Inner Ø d1

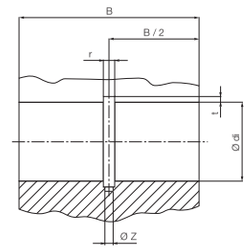
78) According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
Min. –50°C
Max. +90°C

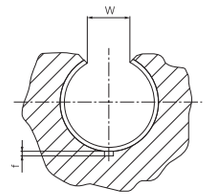
Dimensions [mm]

d1	d1 tolerance78)	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.000 +0.040	12	28	3.0	0.8	2.5	1.10	JUMO-11-10
12	+0.000 +0.040	14	31	3.0	0.8	3.0	1.50	JUMO-11-12
16	+0.000 +0.040	18	35	3.5	0.8	3.5	2.20	JUMO-11-16
20	+0.000 +0.040	23	44	5.0	0.8	3.5	4.90	JUMO-11-20
25	+0.000 +0.040	28	57	5.0	0.8	4.0	8.23	JUMO-11-25
30	+0.000 +0.050	34	67	5.0	0.8	4.0	14.95	JUMO-11-30
40	+0.000 +0.050	44	79	6.0	1.3	5.0	23.16	JUMO-11-40
50	+0.000 +0.060	55	99	7.0	1.3	6.0	45.35	JUMO-11-50

Housing hole for JUMO-11 | Dimensions [mm]

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





Can be combined with:


OJUM-01/-03


OJUM-06/-06-LL

HENNLICH - ŽIJEME TECHNIKOU
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Českolipská 9, 412 01 Litoměřice
Telefon: +420 416 711 333
E-mail: lin-tech@hennlich.cz
www.hennlich.cz/lin-tech

ge

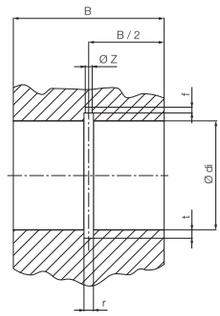
Order key

Type	Size
J U	M-02-10

iglidur® J	Liner	Metric	Compact	Inner Ø d1

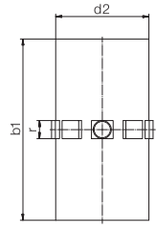
According to igus® testing method ▶ Page 1146
ease note: Installation instructions ▶ Page 1079
n. –50°C
ax. +90°C

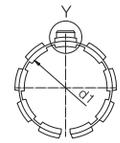
Z	Weight [g]	Part No.
2.5	1.02	JUM-02-10
3.0	1.27	JUM-02-12
3.5	1.82	JUM-02-16
3.5	3.27	JUM-02-20
4.0	5.75	JUM-02-25
4.0	11.28	JUM-02-30
5.0	17.94	JUM-02-40
5.0	27.00	JUM-02-45
5.0	32.56	JUM-02-50

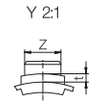


drylin® R liners | Product range

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







Order key

Type	Size
J200 U	M-01-10

iglidur® J200	Liner	Metric	Standard	Inner Ø d1

The "specialist" with the best running performance on aluminium

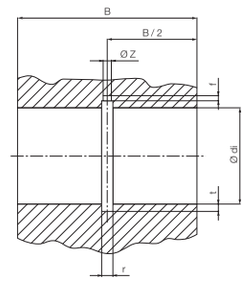
78) According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
Min. –50°C
Max. +90°C

Dimensions [mm]

d1	d1 tolerance78)	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.030 +0.070	12	28	3.0	0.8	2.5	1.10	J200UM-01-10
12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.50	J200UM-01-12
16	+0.030 +0.070	18	35	3.5	0.8	3.5	2.54	J200UM-01-16
20	+0.030 +0.070	23	44	5.0	0.8	3.5	5.66	J200UM-01-20
25	+0.030 +0.070	28	57	5.0	0.8	4.0	9.51	J200UM-01-25
30	+0.040 +0.085	34	67	5.0	0.8	4.0	17.27	J200UM-01-30
40	+0.040 +0.085	44	79	6.0	1.3	5.0	26.75	J200UM-01-40
50	+0.050 +0.150	55	99	7.0	1.3	6.0	52.38	J200UM-01-50

Housing hole for J200UM-01 | Dimensions [mm]

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



Can be combined with:


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


RJUM-06/-06-LL


FJUM-01/-02

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Order key

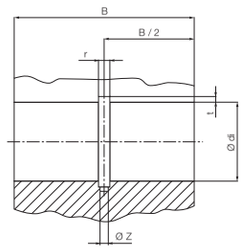
Type	Size
J200 U M O-01-10	

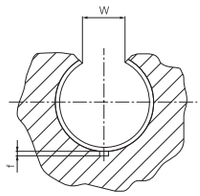
iglidur® J200 | Liner | Metric | Open | Standard | Inner Ø d1

According to igus® testing method ▶ Page 1146
ease note: Installation instructions ▶ Page 1079
n. –50°C
ax. +90°C

Z	Weight [g]	Part No.
2.5	1.04	J200UMO-01-10
3.0	1.34	J200UMO-01-12
3.5	1.98	J200UMO-01-16
3.5	4.80	J200UMO-01-20
4.0	8.05	J200UMO-01-25
4.0	14.30	J200UMO-01-30
5.0	23.31	J200UMO-01-40

-10
-12
-16
-20
-25
-30
-40

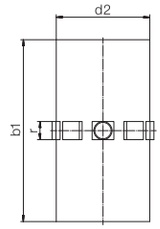


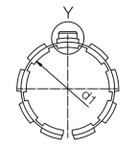


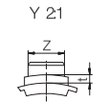
ean.com/drylinR igus

drylin® R liners | Product range

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







Order key

Type	Size
E7 U M-01-10	

iglidur® E7 | Liner | Metric | Standard | Inner Ø d1

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

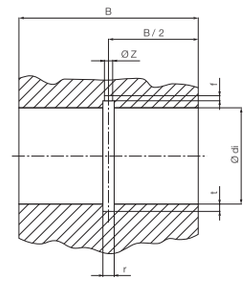
78) According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
Min. –50°C
Max. +70°C

Dimensions [mm]

d1	d1 tolerance78)	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.030 +0.070	12	28	3.0	0.8	2.5	0.73	E7UM-01-10
12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.01	E7UM-01-12
16	+0.030 +0.070	18	35	3.5	0.8	3.5	1.45	E7UM-01-16
20	+0.030 +0.070	23	44	5.0	0.8	3.5	3.25	E7UM-01-20
25	+0.030 +0.070	28	57	5.0	0.8	4.0	5.44	E7UM-01-25
30	+0.040 +0.085	34	67	5.0	0.8	4.0	9.88	E7UM-01-30
40	+0.040 +0.085	44	79	6.0	1.3	5.0	17.30	E7UM-01-40
50	+0.050 +0.150	55	99	7.0	1.3	6.0	36.30	E7UM-01-50[79]
60	+0.050 +0.150	65	124	8.0	2.5	6.5	54.80	E7UM-01-60[79]

Housing hole for E7UM-01 | Dimensions [mm]

Shaft Ø	di H7	B h10	r +0.5	t +0.05	f +0.1	Z +0.2	Part No.
10	12	29	3.0	1.0	1.0	2.6	E7UM-01-10
12	14	32	3.0	1.0	1.5	3.1	E7UM-01-12
16	18	36	3.5	1.0	1.7	3.6	E7UM-01-16
20	23	45	5.0	1.0	2.0	3.6	E7UM-01-20
25	28	58	5.0	1.0	2.0	4.1	E7UM-01-25
30	34	68	5.0	1.0	2.0	4.1	E7UM-01-30
40	44	80	6.0	1.5	2.5	5.1	E7UM-01-40
50	55	100	7.0	1.5	2.5	6.1	E7UM-01-50[79]
60	65	125	8.0	2.5	3.0	6.5	E7UM-01-60[79]



79) in two parts

Can be combined with:


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


RJUM-01-ES


RJUM-06/-06-LL


FJUM-01/-02

inch Imperial dimensions ▶ Page 1612

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Order key

Type	Size
E7 U M O-01-10	

iglidur® E7 | Liner | Metric | Open | Standard | Inner Ø d1

According to igus® testing method ▶ Page 1146
ease note: Installation instructions ▶ Page 1079
n. –50°C
ax. +70°C

Z	Weight [g]	Part No.
2.5	0.73	E7UMO-01-10
3.0	1.01	E7UMO-01-12
3.5	1.45	E7UMO-01-16
3.5	3.25	E7UMO-01-20
4.0	5.44	E7UMO-01-25
4.0	9.88	E7UMO-01-30
5.0	17.30	E7UMO-01-40
5.0	36.40	E7UMO-01-50[79)]
5.5	54.80	E7UMO-01-60[79)]

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0[79)]
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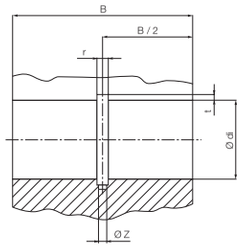

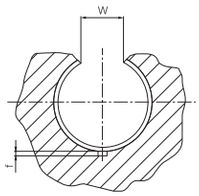

o.z. LIN-TECH HENNLICH s.r.o.
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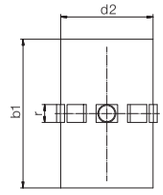
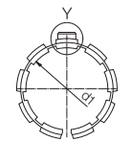
Telefon: +420 416 711 333
E-mail: lin-tech@hennlich.cz

drylin® R liners | Product range

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





Order key

Type	Size
E7 U M-02-10	

iglidur® E7 | Liner | Metric | Compact | Inner Ø d1

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

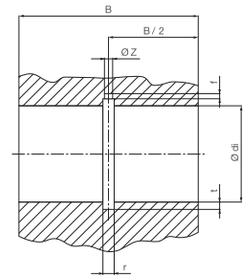
[78)] According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
Min. –50°C
Max. +70°C

Dimensions [mm]

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

Housing hole for E7UM-02 | Dimensions [mm]

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



Can be combined with:


RJUM-02


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


FJUMT-01/-02

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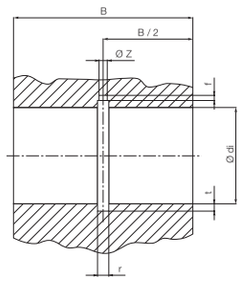
Order key

Type	Size
X U M-01-12	

iglidur® X | Liner | Metric | Standard | Inner Ø d1

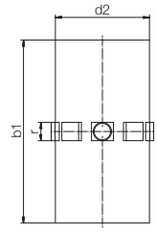
According to igus® testing method ▶ Page 1146
ease note: Installation instructions ▶ Page 1079
n. –100°C
ax. +250°C

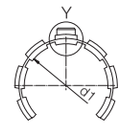
Z	Weight [g]	Part No.
3.0	1.50	**XUM-01-12**
3.5	2.13	**XUM-01-14**
3.5	2.20	**XUM-01-16**
3.5	4.90	**XUM-01-20**
4.0	8.23	**XUM-01-25**
4.0	14.95	**XUM-01-30**
5.0	23.16	**XUM-01-40**

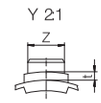


drylin® R liners | Product range

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







Order key

Type	Size
X U M O-01-10	

iglidur® X | Liner | Metric | Open | Standard | Inner Ø d1

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

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

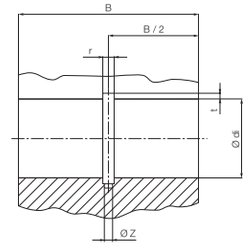
Dimensions [mm]

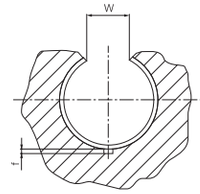
d1	d1 tolerance[78]	d2	b1	r	t	Z	Weight [g]	Part No.
10	–0.020 +0.020	12	28	3.0	0.8	2.5	1.00	**XUMO-01-10**[110]
12	+0.020 +0.060	14	31	3.0	0.8	3.0	1.20	**XUMO-01-12**
16	+0.020 +0.060	18	35	3.5	0.8	3.5	2.30	**XUMO-01-16**
20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.30	**XUMO-01-20**
25	–0.030 +0.010	28	57	5.0	0.8	4.0	6.80	**XUMO-01-25**
30	–0.040 +0.010	34	67	5.0	0.8	4.0	13.30	**XUMO-01-30**
40	±0.000 +0.050	44	79	6.0	1.3	5.0	22.60	**XUMO-01-40**

Housing hole for XUMO-01 | Dimensions [mm]

Shaft Ø	di H7	B h10	W +0.2	r +0.05	t +0.1	f +0.5	Z +0.2	Part No.
10	12	29	7.3	3.0	1.0	1.0	2.6	**XUMO-01-10**[110]
12	14	32	9.0	3.0	1.0	1.5	3.1	**XUMO-01-12**
16	18	36	11.6	3.5	1.0	1.7	3.6	**XUMO-01-16**
20	23	45	12.0	5.0	1.0	2.0	3.6	**XUMO-01-20**
25	28	58	14.5	5.0	1.0	2.0	4.1	**XUMO-01-25**
30	34	68	16.6	5.0	1.0	2.0	4.1	**XUMO-01-30**
40	44	80	21.0	6.0	1.5	2.5	5.1	**XUMO-01-40**

[110] One-piece





Can be combined with:


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


OJUM-06/-06-LL

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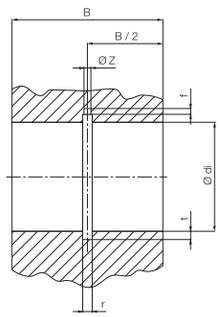
Order key

Type	Size
X U M	-02-12

iglidur® X | Liner | Metric | Compact | Inner Ø d1

According to igus® testing method ▶ Page 1146
ɛase note: Installation instructions ▶ Page 1079
n. –100°C
ax. +250°C

Z	Weight [g]	Part No.
3.0	1.3	XUM-02-12
3.5	2.5	XUM-02-16
3.5	3.4	XUM-02-20
4.0	5.6	XUM-02-25
4.0	12.0	XUM-02-30
5.0	20.0	XUM-02-40



My sketches

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Order key

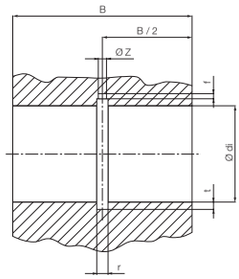
Type	Size
A180 U M-01-10	

iglidur® A180 | Liner | Metric | Standard | Inner Ø d1

According to igus® testing method ▶ Page 1146
ease note: Installation instructions ▶ Page 1079
n. –50°C
ax. +90°C

Z	Weight [g]	Part No.
2.5	1.08	A180UM-01-10
3.0	1.47	A180UM-01-12
3.5	2.16	A180UM-01-16
3.5	4.80	A180UM-01-20
4.0	8.07	A180UM-01-25
4.0	14.65	A180UM-01-30
4.0	17.84	A180UM-01-35
5.0	22.70	A180UM-01-40
6.0	44.44	A180UM-01-50

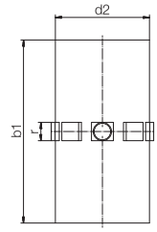
1-10
1-12
1-16
1-20
1-25
1-30
1-35
1-40
1-50

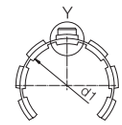


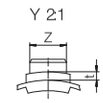
an.com/drylinR

drylin® R liners | Product range

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







Order key

Type	Size
A180 U M O-01-10	

iglidur® A180 | Liner | Metric | Open | Standard | Inner Ø d1

The FDA-compliant for the food and pharmaceutical industry

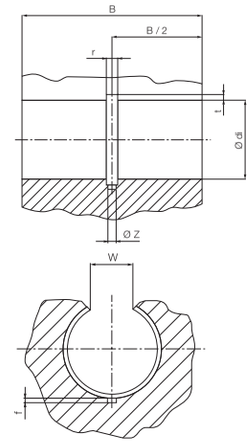
78) According to igus® testing method ▶ Page 1146
Please note: Installation instructions ▶ Page 1079
Min. –50°C
Max. +90°C

Dimensions [mm]

d1	d1 tolerance78)	d2	b1	r	t	Z	Weight [g]	Part No.
10	+0.000 +0.020	12	28	3.0	0.8	2.5	1.08	A180UMO-01-10
12	+0.030 +0.070	14	31	3.0	0.8	3.0	1.47	A180UMO-01-12
16	+0.030 +0.070	18	35	3.5	0.8	3.5	2.16	A180UMO-01-16
20	+0.030 +0.070	23	44	5.0	0.8	3.5	4.80	A180UMO-01-20
25	+0.030 +0.070	28	57	5.0	0.8	4.0	8.07	A180UMO-01-25
30	+0.040 +0.085	34	67	5.0	0.8	4.0	14.65	A180UMO-01-30
35	+0.040 +0.085	39	69	5.0	0.8	4.0	17.84	A180UMO-01-40
40	+0.040 +0.085	44	79	6.0	1.3	5.0	22.70	A180UMO-01-50

Housing hole for A180UMO-01 | Dimensions [mm]

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



Can be combined with:

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

OJUM-06/-06-LL

igus

3D CAD files, prices and delivery time online ▶ www.igus-asean.com/drylinR 1095

ge

made from iglidur® A160
/2011 and FDA guidelines)

Order key

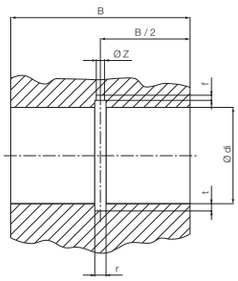
Type	Size
A160 U M-01-10	

iglidur® A160	Liner	Metric	Standard	Inner Ø d1

According to igus® testing method ▶ Page 1146
ease note: Installation instructions ▶ Page 1079
n. –50°C
ax. +90°C

Z	Weight [g]	Part No.
2.5	0.7	A160UM-01-10
3.0	1.0	A160UM-01-12
3.5	1.5	A160UM-01-16
3.5	3.3	A160UM-01-20
4.0	5.4	A160UM-01-25
4.0	9.9	A160UM-01-30
5.0	17.3	A160UM-01-40
6.0	36.3	A160UM-01-50

1-10
1-12
1-16
1-20
1-25
1-30
1-40
1-50



My sketches

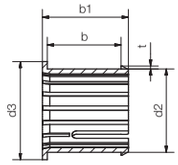
Order key

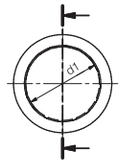
Type	Size
RSD J-40-06	

Slide disc	igliduR® J	Outer Ø	Width

n. –50°C
ax. +90°C

Max. static load capacity [N]	Part No.
28,500	RSDJ-40-06
66,000	RSDJ-60-08
120,000	RSDJ-80-08





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

Order key

Type	Size
J U C M-1216-16	

igliduR® J	Liner	Clip-on	Metric	Inner Ø d1	Outer Ø d2	Length b

[78] According to igus® testing method ▶ Page 1146
[82] Design tips ▶ Page 1078
Please note: Installation instructions ▶ Page 1079
Min. –50°C
Max. +90°C

Dimensions [mm]

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

Technical data

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

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drylin® R press-fit bearings | Product range

Made from iglidur® L100

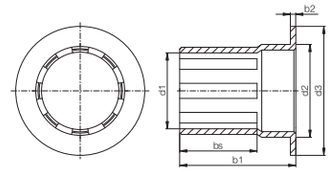
Order key

Type	Size
W L M	-0608-10

iglidur® L100	L1 series	Metric	Inner Ø d1	Outer Ø d2	Length

Measured with plug gauge
Please note: Installation instructions ▶ Page 1079
Material properties ▶ Page 1654
Min. –40°C
Max. +100°C

bs	Part No.
6	WLM-0608-10
8	WLM-0810-12
10	WLM-1012-14
10	WLM-1012-16
10	WLM-1214-16
15	WLM-1214-25
10	WLM-1618-18
16	WLM-1618-26
12.5	WLM-2023-22
20	WLM-2023-30
20	WLM-2225-30
19	WLM-2528-29
25	WLM-2528-35
24	WLM-3034-34
30	WLM-3034-40
30	WLM-4044-40
40	WLM-4044-50
40	WLM-5055-50
50	WLM-5055-60



- Extreme wear resistance
- Low coefficient of friction

Order key

Type	Size
W L F M	-1214-15

iglidur® L100	L1 series	With flange	Metric	Inner Ø d1	Outer Ø d2	Length

80) Measured with plug gauge
Please note: Installation instructions ▶ Page 1079
Material properties ▶ Page 1654
Min. –40°C
Max. +100°C

Dimensions [mm]

d1	d1 tolerance80)	d2	d3	b1	b2	bs	Part No.
12	+0.000 +0.050	14	20	15.0	1.0	9	WLFM-1214-15
16	+0.000 +0.050	18	24	16.0	1.0	10	WLFM-1618-16
20	+0.000 +0.060	23	30	16.5	1.5	10	WLFM-2023-16
25	+0.000 +0.060	28	35	21.5	1.5	11	WLFM-2528-21
30	+0.000 +0.060	34	42	27.0	2.0	15	WLFM-3034-27
40	+0.000 +0.060	44	52	32.0	2.0	20	WLFM-4044-32
50	+0.000 +0.070	55	63	37.5	2.5	25	WLFM-5055-37

ngs | Product range

the all-rounder)

Order key

Type	Size
R J M-01-10	

Closed | iglidur® J | Metric | Standard | Inner Ø d1

According to igus® testing method ▶ Page 1146
Design tips ▶ Page 1078
Applies by room temperature: press-fit decrease with time depending on the temperature
ease note: Installation instructions ▶ Page 1079
perial dimensions
Page 1613

dn	Part No.
15.2	RJM-01-08
17.5	RJM-01-10
20.5	RJM-01-12
24.2	RJM-01-16
29.6	RJM-01-20
36.5	RJM-01-25
43.5	RJM-01-30
57.8	RJM-01-40

Fmax. static[82] p = 17.5MPa [N]	Weight [g]	Press-fit force[83] [N]
1,750	4	400
2,538	7	700
3,360	9	1,300
5,040	13	1,100
7,875	24	1,500
12,688	47	3,500
17,850	72	4,500
28,000	127	4,200

ean.com/drylinR igus

drylin® R solid plastic bearings | Product range

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

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

Order key

Type	Size
R J M P-01-10	

Closed | iglidur® J | Metric | Precise | Standard | Inner Ø d1

[78] According to igus® testing method ▶ Page 1146
[82] Design tips ▶ Page 1078
Please note: Installation instructions ▶ Page 1079
Min. –20°C
Max. +60°C
Imperial dimensions ▶ Page 1613

Dimensions [mm]

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

Technical data

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

Can be combined with:


RQA-04


RTA-04


RGA-04


RGAS-04

ngs | Product range

nensions made from iglidur® J4

Order key

Type	Size

R J 4 J P-01-10

Closed | iglidur® J4 | Japan standard | Precise | Standard | Inner Ø d1

According to igus® testing method ▶ Page 1146
Design tips ▶ Page 1078
ease note: Installation instructions ▶ Page 1079
aterial properties ▶ Page 1652
n. –20°C
ax. +60°C

dn	Part No.
14.3	RJ4JP-01-08
18.0	RJ4JP-01-10
20.0	RJ4JP-01-12
26.6	RJ4JP-01-16
30.3	RJ4JP-01-20
37.5	RJ4JP-01-25
42.5	RJ4JP-01-30

Fmax. static[82] p = 35MPa [N]	Weight [g]
800	2
1,200	6
1,600	8
2,800	16
4,000	23
6,500	47
8,500	72

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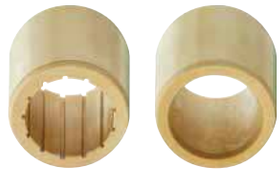
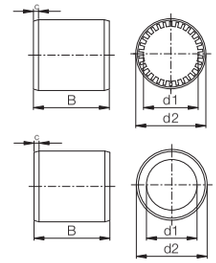
drylin® R solid plastic bearings | Product range

Low-cost linear plain bearings made from iglidur® J260





Order key

Type	Size

R J260 U M-02-12

Closed | iglidur® J260 | Grooved | Metric | Compact | Inner Ø d1

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

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

Min. –20°C
Max. +60°C

Dimensions [mm]

d1	d2	B	C	Part No.
12	19	28	1.5 x 15°	RJ260UM-02-12
16	24	30	1.5 x 15°	RJ260UM-02-16
20	28	30	2.0 x 15°	RJ260UM-02-20
25	35	40	2.0 x 15°	RJ260UM-02-25

Technical data

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

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Order key

Type	Size

R J U M-01-10

Closed	iglidur® J	Liner	Metric	Standard	Inner Ø d1

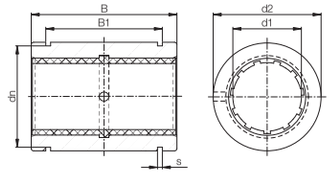
According to igus® testing method ▶ Page 1146
Ø < 10mm use press-fitted sleeve plain bearings
Design tips ▶ Page 1078
Please note: Installation instructions ▶ Page 1079

dn	Part No.
h10	
11.5	RJZM-01-05[81)]
11.5	RJZM-01-06[81)]
15.2	RJZM-01-08[81)]
17.5	RJUM-01-10
20.5	RJUM-01-12
24.2	RJUM-01-16
29.6	RJUM-01-20
36.5	RJUM-01-25
43.5	RJUM-01-30
57.8	RJUM-01-40
70.5	RJUM-01-50
86.5	RJUM-01-60

Fmax. static[82)] p = 35MPa	Weight
[N]	[g]
3,675	5
3,675	5
6,720	9
5,075	14
6,720	21
10,080	28
15,750	49
25,375	108
35,700	162
56,000	334
87,500	579
120,000	1,070

drylin® R linear plain bearings | Product range

Closed, anodised aluminium adapter, precise



- Max. bearing clearance reduced by 50%
- Secured by circlips

Order key

Type	Size

R J U M-11-10

Closed	iglidur® J	Liner	Metric	Precise	Inner Ø d1

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

Dimensions [mm]

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

Technical data

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

Can be combined with:


RQA-01


RTA-01


RGA-01


RGAS-01

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


J


E7


X

gs | Product range

: stainless steel 303

Order key

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

According to igus® testing method ▶ Page 1146
Design tips ▶ Page 1078
ease note: Installation instructions ▶ Page 1079

dn h10	Part No.
20.5	RJUM-01-12-ES
24.2	RJUM-01-16-ES
29.6	RJUM-01-20-ES
36.5	RJUM-01-25-ES
43.5	RJUM-01-30-ES

Fmax. static[82] p = 35MPa [N]	Weight [g]
6,720	60
10,080	84
15,750	147
25,375	324
35,700	486

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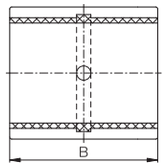
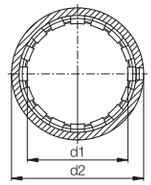
drylin® R linear plain bearings | Product range

Closed, anodised aluminium adapter, short design





Order key

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

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

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

Dimensions [mm]

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

Technical data

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

Order key

Type	Size
R E7 U M-01-10	

Closed | iglidur® E7 | Liner | Metric | Standard | Inner Ø d1

According to igus® testing method ▶ Page 1146
Design tips ▶ Page 1078
ease note: Installation instructions ▶ Page 1079

dn h10	Part No.
17.5	RE7UM-01-10
20.5	RE7UM-01-12
24.2	RE7UM-01-16
29.6	RE7UM-01-20
36.5	RE7UM-01-25
43.5	RE7UM-01-30
57.8	RE7UM-01-40
70.5	RE7UM-01-50
86.5	RE7UM-01-60

F max. static[82] p = 18MPa [N]	Weight [g]
2,610	14
3,450	21
5,180	28
8,100	49
13,050	108
18,360	162
28,800	334
45,000	579
61,700	1,070

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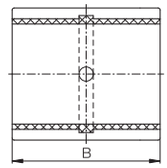
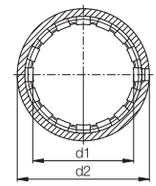
drylin® R linear plain bearings | Product range

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





Order key

Type	Size
R E7 U M-02-10	

Closed | iglidur® E7 | Liner | Metric | Compact | Inner Ø d1

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

Dimensions [mm]

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

Technical data

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

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Telefon: +420 416 711 333
E-mail: lin-tech@hennlich.cz

Order key

Type	Size

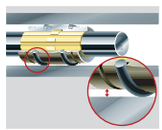
R J U M-03 -10

Closed | iglidur® J | Liner | Metric | Self-aligning | Inner Ø d1

According to igus® testing method ▶ Page 1146
Ø < 10mm use press-fitted sleeve plain bearings
Design tips ▶ Page 1078
ease note: Installation instructions ▶ Page 1079
ating bearing ▶ Page 1078
perial dimensions ▶ Page 1615

o +0.1	e	R	Part No.
1.86	5.0	20.0	**RJZM-03-08**[81]
1.86	5.0	13.0	**RJUM-03-10**
1.86	6.0	18.0	**RJUM-03-12**
2.86	8.0	32.0	**RJUM-03-16**
2.86	10.0	50.0	**RJUM-03-20**
2.86	12.5	39.0	**RJUM-03-25**
2.86	15.0	57.0	**RJUM-03-30**
2.86	20.0	100.0	**RJUM-03-40**
2.86	25.0	157.0	**RJUM-03-50**

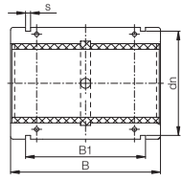
max. static[82] p = 35MPa [N]	Weight [g]
6,720	8
5,075	11
6,720	17
10,080	23
15,750	44
25,375	92
35,700	145
56,000	311
87,500	542

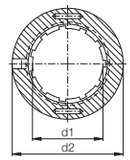


in® liners (optional: J200/A180):

X

an.com/drylinR





● Quick replacement of the liner without removing the shaft

Order key

Type	Size

T J U M-01-10

Open | iglidur® J | Liner | Metric | Standard | Inner Ø d1

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

Dimensions [mm]

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

Technical data

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

Can be combined with:

RQA-01

RTA-01

RGA-01

RGAS-01

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

J

E7

X

gs | Product range
ıg)

Order key

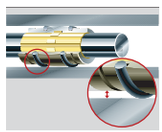
Type	Size
T J U M-	03-10

Open | iglidur® J | Liner | Metric | Self-aligning | Inner Ø d1

According to igus® testing method ▶ Page 1146
Design tips ▶ Page 1078
ɜase note: Installation instructions ▶ Page 1079
ıating bearing ▶ Page 1078
perial dimensions ▶ Page 1616

o +0.1	e	R	Part No.
1.86	5.0	13.0	**TJUM-03-10**
1.86	6.0	18.0	**TJUM-03-12**
2.86	8.0	32.0	**TJUM-03-16**
2.86	10.0	50.0	**TJUM-03-20**
2.86	12.5	39.0	**TJUM-03-25**
2.86	15.0	57.0	**TJUM-03-30**
2.86	20.0	100.0	**TJUM-03-40**
2.86	25.0	157.0	**TJUM-03-50**

static[82] 5MPa N]	Weight [g]
)75	11
′20	17
080	23
750	44
375	92
700	145
000	311
500	542



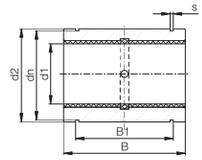
ın® liners (optional: J200/A180):

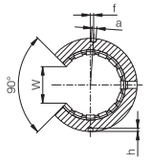
X

ɜan.com/drylinR

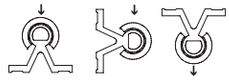
drylin® R linear plain bearings | Product range

Open, anodised aluminium adapters – for supported shafts





0° 90° 180°



Order key

Type	Size
O J U M-	01-10

Open | iglidur® J | Liner | Metric | Standard | Inner Ø d1

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

Dimensions [mm]

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

Technical data

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

Can be combined with:

RQA-01

RTA-01

RGA-01

RGAS-01

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

J

E7

X

My sketches

Order key

Type	Size

O J U M-03-10

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

According to igus® testing method ▶ Page 1146
Design tips ▶ Page 1078
ase note: Installation instructions ▶ Page 1079
perial dimensions ▶ Page 1614

a	f	h	Part No.
+0.1	±0.2	–0.5	
0.0	0	1.2	**OJUM-03-10**
3.0	1.33 (7°)	1.2	**OJUM-03-12**
2.2	0	1.2	**OJUM-03-16**
2.2	0	1.2	**OJUM-03-20**
3.0	–1.5 (–4.3°)	1.5	**OJUM-03-25**
3.0	2 (4.9°)	2	**OJUM-03-30**
3.0	1.5 (2.8°)	2	**OJUM-03-40**
5.0	2.5 (3.8°)	2	**OJUM-03-50**

amic[82)]		Fmax. static[82)]			Weight
Pa		p = 35MPa			
	180°	0°	90°	180°	[g]
	196	5,075	3,500	1,370	10
	240	6,720	4,445	1,680	13
	396	10,080	6,943	2,772	19
)	900	15,750	12,600	6,300	38
3	1,523	25,375	20,670	10,658	63
)	2,278	35,700	29,735	15,946	119
)	3,800	56,000	47,660	26,600	250
0	6,125	87,500	75,265	42,875	431

in® liners (optional: J200/A180):

x

duct range
short design

Order key

Type	Size
R J U M-05-10	

Closed | iglidur® J | Liner | Metric | Compact | Inner Ø d1

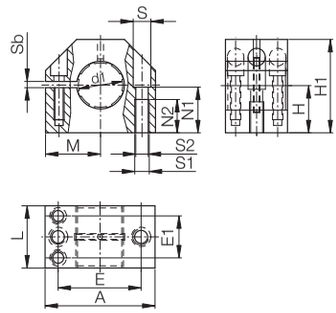
According to igus® testing method ▶ Page 1146
Ø < 10mm use press-fitted sleeve bearings
Design tips ▶ Page 1078
Please note: Installation instructions ▶ Page 1079

N1	N2	L	Part No.
13	9	24	RJZM-05-08[81)]
16	11	26	RJUM-05-10
16	11	28	RJUM-05-12
18	11	30	RJUM-05-16
22	13	30	RJUM-05-20
26	18	40	RJUM-05-25
29	18	50	RJUM-05-30
38	22	60	RJUM-05-40
46	26	70	RJUM-05-50

Fmax. static[82)] p = 35MPa [N]	Weight [g]
6,720	46
4,550	71
5,880	78
8,400	106
10,500	132
17,500	253
26,250	374
42,000	713
61,250	1,168

an.com/drylinR

drylin® R pillow blocks | Product range
Adjustable anodised aluminium housing, short design



● With adjustable clearance

Order key

Type	Size
R J U M E-05-12	

Closed | iglidur® J | Liner | Metric | Adjustable | Compact | Inner Ø d1

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

Dimensions [mm]

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

Technical data

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

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


J


E7

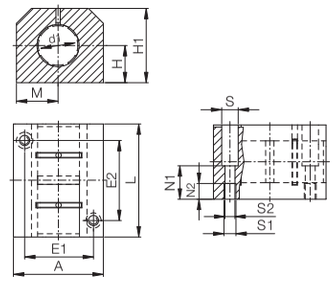

X

duct range
wed, short design

Order key

Type	Size
T J U M-05-16	

Open | igilidur® J | Liner | Metric | Compact | Inner Ø d1



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

According to igus® testing method ▶ Page 1146
Design tips ▶ Page 1078
ease note: Installation instructions ▶ Page 1079

2	N1	N2	L	Part No.
3	18	11	30	**TJUM-05-16**
3	22	13	30	**TJUM-05-20**
6	26	18	40	**TJUM-05-25**
6	29	18	50	**TJUM-05-30**
4	38	22	60	**TJUM-05-40**

Fmax. static[82] p = 35MPa [N]	Weight [g]
8,400	105
10,500	137
17,500	253
26,250	377
42,000	720

an.com/drylinR

drylin® R pillow blocks | Product range
Closed, anodised aluminium housing, tandem design

Order key

Type	Size
R J U M T-05-12	

Closed | igilidur® J | Liner | Metric | Tandem | Compact | Inner Ø d1

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

Dimensions [mm]

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

Technical data

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

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


J


E7


X

duct range

ong design

Order key

Type	Size
R J U M-06-12	

Closed | iglidur® J | Liner | Metric | Long design | Inner Ø d1

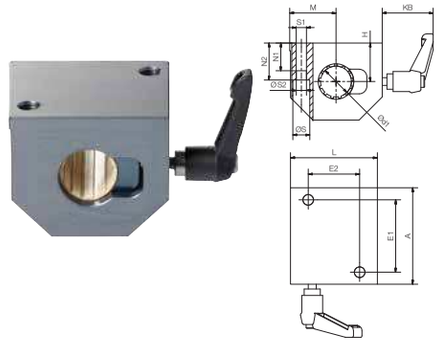
According to igus® testing method ▶ Page 1146
Design tips ▶ Page 1078
ease note: Installation instructions ▶ Page 1079

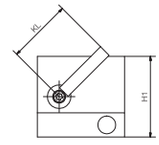
S2	N1	N2	L	Part No.
4.3	16.5	11	39	**RJUM-06-12**
5.3	21.0	13	43	**RJUM-06-16**
6.6	24.0	18	54	**RJUM-06-20**
8.4	29.0	22	67	**RJUM-06-25**
8.4	34.0	22	79	**RJUM-06-30**
10.5	44.0	26	91	**RJUM-06-40**
13.5	49.0	34	113	**RJUM-06-50**

Fmax. static[82] p = 35MPa [N]	Weight [g]
6,720	121
10,080	211
15,750	323
25,375	651
35,700	1,050
56,000	1,820
87,500	3,250

drylin® R pillow blocks | Product range

Closed, anodised aluminium housing, long design with manual clamp





Order key

Type	Size	Options
R J U M-06-12-HK		

Closed | iglidur® J | Liner | Metric | Long design | Inner Ø d1 | Manual clamp

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

Dimensions [mm]

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

Technical data

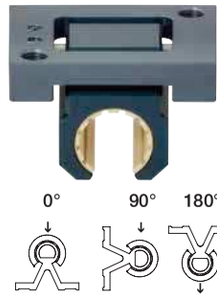
Part No.	d1 tolerance[78]	Fmax. dynamic[82] p = 5MPa 0°	Fmax. static[82] p = 35MPa 0°	Clamp force axial [N]	Weight [g]
RJUM-06-12-HK	+0.030 +0.088	960	6720	400	0.098
RJUM-06-16-HK	+0.030 +0.088	1440	10080	400	0.164
RJUM-06-20-HK	+0.030 +0.091	2250	15750	400	0.275
RJUM-06-25-HK	+0.030 +0.091	3625	25375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

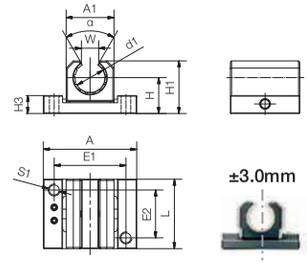
Available with drylin® liners (optional: J200/A180):

J | E7 | X

drylin® R pillow blocks | Product range

Open, anodised aluminium, floating pillow blocks





● Compensation of parallelism errors up to 6mm

Order key

Type	Size	Options
O J U M-06-12 - LL		

Open | iglidur® J | Liner | Metric | Long design | Inner Ø d1 | Floating bearing

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

Dimensions [mm]

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

Technical data

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

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

J | E7 | X

duct range

ng design

Order key

Type	Size
O J U M-06-12	

Open | iglidur® J | Liner | Metric | Long design | Inner Ø d1

According to igus® testing method ▶ Page 1146
Design tips ▶ Page 1078
ease note: Installation instructions ▶ Page 1079

N2	W −1	α [°]	L	Part No.
11	10.2	78	39	**OJUM-06-12**
13	11.6	78	43	**OJUM-06-16**
18	12.0	60	54	**OJUM-06-20**
22	14.5	60	67	**OJUM-06-25**
22	16.6	57	79	**OJUM-06-30**
26	21.0	56	91	**OJUM-06-40**
34	25.5	54	113	**OJUM-06-50**

Fmax. static[82] p = 35MPa 0°	90°	180°	Weight [g]
6,720	4,445	1,680	95
10,080	6,943	2,772	158
15,750	12,600	6,300	266
25,375	20,670	10,658	530
35,700	29,735	15,946	818
56,000	47,660	26,600	1,485
87,500	75,265	42,875	2,750

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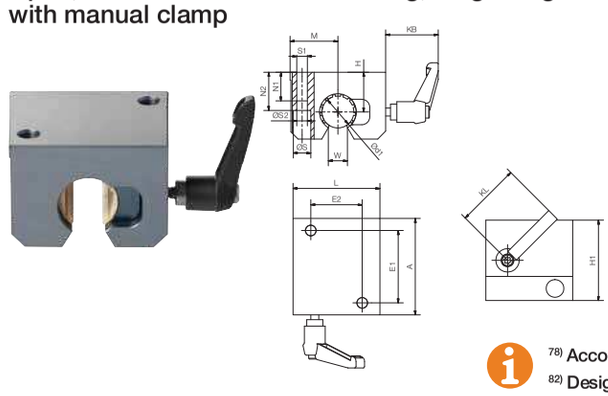
drylin® R pillow blocks | Product range

Open, anodised aluminium housing, long design with manual clamp



Order key

Type	Size	Options
O J U M-06-12 - HK		

Open | iglidur® J | Liner | Metric | Long design | Inner Ø d1 | Manual clamp

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

Dimensions [mm]

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

Technical data

Part No.	d1 tolerance[78]	Fmax. dynamic[82] p = 5MPa 0°	90°	180°	Fmax. static[82] p = 35MPa 0°	90°	180°	Clamp force axial [N]	Weight [g]
OJUM-06-12-HK	+0.030 +0.088	960	635	240	6720	4445	1680	400	0.098
OJUM-06-16-HK	+0.030 +0.088	1440	990	396	10080	6943	2772	400	0.164
OJUM-06-20-HK	+0.030 +0.091	2250	1800	900	15750	12600	6300	400	0.275
OJUM-06-25-HK	+0.030 +0.091	3625	2953	1523	25375	20670	10658	1,000	0.544
OJUM-06-30-HK	+0.040 +0.110	5100	4250	2278	35700	29735	15946	1,000	0.832
OJUM-06-40-HK	+0.040 +0.115	8000	6810	3800	56000	47660	26600	1,000	1.513
OJUM-06-50-HK	+0.050 +0.150	12500	10750	6125	87500	75265	42875	1,000	2.568

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

J | E7 | X

My sketches

Order key

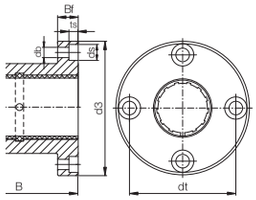
Type	Size
O J U M	E-06-12

Open	igliduR® J	Liner	Metric	Adjustable	Long design	Inner Ø d1

According to igus® testing method ▶ Page 1146
Design tips ▶ Page 1078
ease note: Installation instructions ▶ Page 1079

N1	N2	W −1	α [°]	L	Part No.
6.5	11	10.2	78	39	**OJUME-06-12**
1.0	13	11.6	78	43	**OJUME-06-16**
4.0	18	12.0	60	54	**OJUME-06-20**
9.0	22	14.5	60	67	**OJUME-06-25**
4.0	22	16.6	57	79	**OJUME-06-30**
4.0	26	21.0	56	91	**OJUME-06-40**
9.0	34	25.5	54	113	**OJUME-06-50**

	Fmax. static[82] p = 35MPa			Weight
	0°	90°	180°	[g]
	6,720	4,445	1,680	100
	10,080	6,943	2,772	160
	15,750	12,600	6,300	270
3	25,375	20,670	10,658	530
8	35,700	29,735	15,946	820
0	56,000	47,660	26,600	1,490
5	87,500	75,265	42,875	2,750



Order key

Type	Size

F J U M-01-10-LL

With flange	igliduR® J	Liner	Metric	Round design	Inner Ø d1

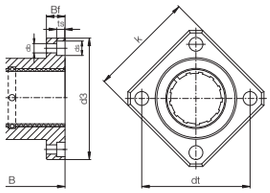
Option:
LL: Floating bearing

According to igus® testing method ▶ Page 1146
Design tips ▶ Page 1078
ase note: Installation instructions ▶ Page 1079

db	ds	Part No.
3.5	6.0	**FJZM-01-08**
4.5	7.5	**FJUM-01-10**
4.5	7.5	**FJUM-01-10-LL**
4.5	7.5	**FJUM-01-12**
4.5	7.5	**FJUM-01-12-LL**
4.5	7.5	**FJUM-01-16**
4.5	7.5	**FJUM-01-16-LL**
5.5	9.0	**FJUM-01-20**
5.5	9.0	**FJUM-01-20-LL**
5.5	9.0	**FJUM-01-25**
5.5	9.0	**FJUM-01-25-LL**
6.6	11.0	**FJUM-01-30**
6.6	11.0	**FJUM-01-30-LL**
9.0	14.0	**FJUM-01-40**
9.0	14.0	**FJUM-01-50**

Technical data

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



Order key

Type | Size

F J U M-02-10-LL

- F: With flange
- J: iglidur® J
- U: Liner
- M: Metric
- 02: Square design
- 10: Inner Ø d1

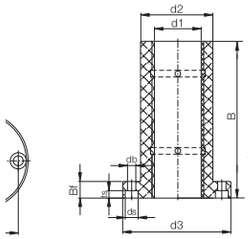
Option:
LL: Floating bearing

According to igus® testing method ▶ Page 1146
Design tips ▶ Page 1078
ease note: Installation instructions ▶ Page 1079

db	ds	Part No.
3.5	6.0	**FJZM-02-08**[82)]
4.5	7.5	**FJUM-02-10**
4.5	7.5	**FJUM-02-10-LL**
4.5	7.5	**FJUM-02-12**
4.5	7.5	**FJUM-02-12-LL**
4.5	7.5	**FJUM-02-16**
4.5	7.5	**FJUM-02-16-LL**
5.5	9.0	**FJUM-02-20**
5.5	9.0	**FJUM-02-20-LL**
5.5	9.0	**FJUM-02-25**
5.5	9.0	**FJUM-02-25-LL**
6.6	11.0	**FJUM-02-30**
6.6	11.0	**FJUM-02-30-LL**
9.0	14.0	**FJUM-02-40**
9.0	14.0	**FJUM-02-50**

Technical data

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



Order key

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

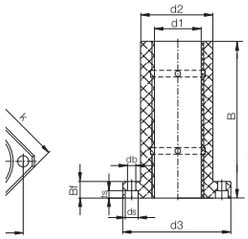
Option:
LL: Floating bearing

According to igus® testing method ▶ Page 1146
Fitted with two pieces of JSM-0810-16
ease note: Installation instructions ▶ Page 1079

db	ds	Part No.
3.5	6.0	**FJZMT-01-08**[85)]
4.5	7.5	**FJUMT-01-10**
4.5	7.5	**FJUMT-01-10-LL**
4.5	7.5	**FJUMT-01-12**
4.5	7.5	**FJUMT-01-12-LL**
4.5	7.5	**FJUMT-01-16**
4.5	7.5	**FJUMT-01-16-LL**
5.5	9.0	**FJUMT-01-20**
5.5	9.0	**FJUMT-01-20-LL**
5.5	9.0	**FJUMT-01-25**
5.5	9.0	**FJUMT-01-25-LL**
6.6	11.0	**FJUMT-01-30**
6.6	11.0	**FJUMT-01-30-LL**
9.0	14.0	**FJUMT-01-40**
9.0	14.0	**FJUMT-01-50**

Technical data

Part No.	Dimension nominal diameter [mm]	d1 tolerance[78)] [mm]	Guide length [mm]	Projected bearing surface [N]	Weight [g]
FJZMT-01-08[85)]	8	+0.032 +0.070	45	256	27.13
FJUMT-01-10	10	+0.030 +0.088	52	250	43.75
FJUMT-01-10-LL	10	+0.030 +0.088	52	250	43.75
FJUMT-01-12	12	+0.030 +0.088	57	324	57.00
FJUMT-01-12-LL	12	+0.030 +0.088	57	324	57.00
FJUMT-01-16	16	+0.030 +0.088	70	464	78.28
FJUMT-01-16-LL	16	+0.030 +0.088	70	464	78.28
FJUMT-01-20	20	+0.030 +0.091	80	580	126.42
FJUMT-01-20-LL	20	+0.030 +0.091	80	580	126.42
FJUMT-01-25	25	+0.030 +0.091	112	975	248.85
FJUMT-01-25-LL	25	+0.030 +0.091	112	975	248.85
FJUMT-01-30	30	+0.040 +0.110	123	1,470	388.37
FJUMT-01-30-LL	30	+0.040 +0.110	123	1,470	388.37
FJUMT-01-40	40	+0.040 +0.115	151	2,360	835.00
FJUMT-01-50	50	+0.050 +0.150	192	3,450	1,352.30



Order key

Type	Size

F J U M T-02-10-LL

- With flange
- igliduR® J
- Liner
- Metric
- Tandem
- Square design
- Inner Ø d1

Option:
LL: Floating bearing

According to igus® testing method ▶ Page 1146
Fitted with two pieces of JSM-0810-16
Please note: Installation instructions ▶ Page 1079

db	ds	Part No.
3.5	6.0	**FJZMT-02-08**[85)]
4.5	7.5	**FJUMT-02-10**
4.5	7.5	**FJUMT-02-10-LL**
4.5	7.5	**FJUMT-02-12**
4.5	7.5	**FJUMT-02-12-LL**
4.5	7.5	**FJUMT-02-16**
4.5	7.5	**FJUMT-02-16-LL**
5.5	9.0	**FJUMT-02-20**
5.5	9.0	**FJUMT-02-20-LL**
5.5	9.0	**FJUMT-02-25**
5.5	9.0	**FJUMT-02-25-LL**
6.6	11.0	**FJUMT-02-30**
6.6	11.0	**FJUMT-02-30-LL**
9.0	14.0	**FJUMT-02-40**
9.0	14.0	**FJUMT-02-50**

Technical data

Part No.	Dimension nominal diameter [mm]	d1 tolerance[78)] [mm]	Guide length [mm]	Projected bearing surface [N]	Weight [g]
FJZMT-02-08[85)]	8	+0.032 +0.070	45	256	23.00
FJUMT-02-10	10	+0.030 +0.088	52	250	36.58
FJUMT-02-10-LL	10	+0.030 +0.088	52	250	36.58
FJUMT-02-12	12	+0.030 +0.088	57	324	48.19
FJUMT-02-12-LL	12	+0.030 +0.088	57	324	48.19
FJUMT-02-16	16	+0.030 +0.088	70	464	67.79
FJUMT-02-16-LL	16	+0.030 +0.088	70	464	67.79
FJUMT-02-20	20	+0.030 +0.091	80	580	110.06
FJUMT-02-20-LL	20	+0.030 +0.091	80	580	110.06
FJUMT-02-25	25	+0.030 +0.091	112	975	230.06
FJUMT-02-25-LL	25	+0.030 +0.091	112	975	230.06
FJUMT-02-30	30	+0.040 +0.110	123	1,470	350.74
FJUMT-02-30-LL	30	+0.040 +0.110	123	1,470	350.74
FJUMT-02-40	40	+0.040 +0.115	151	2,360	739.30
FJUMT-02-50	50	+0.050 +0.150	192	3,450	1,249.30

drylin® R quad blocks | Product range

Open design

Order key

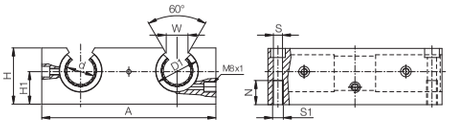
Type	Option	Size
R Q A -	01	- 10

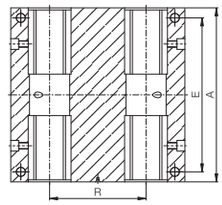
Quad block with RJUM bearings
Aluminium housing
Standard with RJUM-01
Inner Ø d1

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

Please note:
Installation instructions
▶ Page 1079

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





Order key

Type	Option	Size
O Q A -	01	- 12

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

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

Please note:
Installation instructions
▶ Page 1079

Dimensions [mm]

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

Part No. Standard with RJUM-01	Self-aligning with RJUM-03	Solid plastic bearings with RJM-01
RQA-01-08	–	**RQA-04-08**
RQA-01-10	**RQA-03-10**	**RQA-04-10**
RQA-01-12	**RQA-03-12**	**RQA-04-12**
RQA-01-16	**RQA-03-16**	**RQA-04-16**
RQA-01-20	**RQA-03-20**	**RQA-04-20**
RQA-01-25	**RQA-03-25**	**RQA-04-25**
RQA-01-30	**RQA-03-30**	**RQA-04-30**
RQA-01-40	**RQA-03-40**	**RQA-04-40**

rylin® liners (optional: J200/A180):

Are equipped with:

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

drylin® R quad blocks | Product range

Open, tandem design

Order key

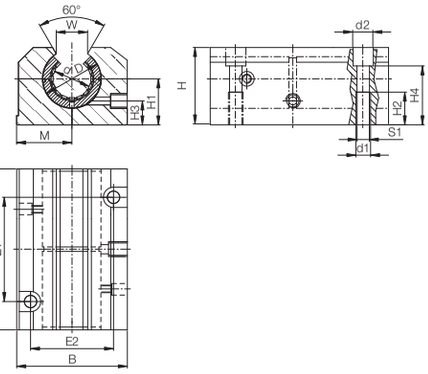
Type	Option	Size
R T A -	01	- 08

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

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

Please note:
Installation instructions
▶ Page 1079

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



Order key

Type	Option	Size
O T A -	01	- 12

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

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

Please note:
Installation instructions
▶ Page 1079

Dimensions [mm]

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

d2	Part No. Standard with RJUM-01	Self-aligning with RJUM-03	Solid plastic bearings with RJM-01
8	**RTA-01-08**	–	**RTA-04-08**
10	**RTA-01-12**	**RTA-03-12**	**RTA-04-12**
10	**RTA-01-16**	**RTA-03-16**	**RTA-04-16**
11	**RTA-01-20**	**RTA-03-20**	**RTA-04-20**
15	**RTA-01-25**	**RTA-03-25**	**RTA-04-25**
18	**RTA-01-30**	**RTA-03-30**	**RTA-04-30**
20	**RTA-01-40**	**RTA-03-40**	**RTA-04-40**

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


E7


X

Are equipped with:


OJUM-01


OJUM-03

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


J


E7


X

drylin® R quad blocks | Product range

Open, long design

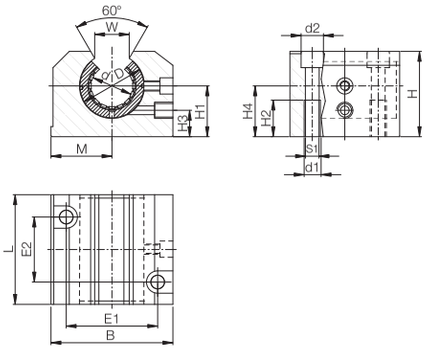
Order key

Type	Option	Size
R G A -	01 -	12
Linear housing with RJUM bearing	Aluminium housing	Standard with RJUM-01	Inner Ø

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

Please note:
Installation instructions
▶ Page 1079

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



Order key

Type	Option	Size
O G A -	01 -	12
Linear housing with OJUM bearing	Aluminium housing	Standard with OJUM-01	Inner Ø

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

Please note:
Installation instructions
▶ Page 1079

Dimensions [mm]

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

l2	Part No. Standard with RJUM-01	Self-aligning with RJUM-03	Solid plastic bearings with RJM-01
3	**RGA-01-08**	–	**RGA-04-08**
3	**RGA-01-12**	**RGA-03-12**	**RGA-04-12**
0	**RGA-01-16**	**RGA-03-16**	**RGA-04-16**
1	**RGA-01-20**	**RGA-03-20**	**RGA-04-20**
5	**RGA-01-25**	**RGA-03-25**	**RGA-04-25**
5	**RGA-01-30**	**RGA-03-30**	**RGA-04-30**
8	**RGA-01-40**	**RGA-03-40**	**RGA-04-40**

vith drylin® liners (optional: J200/A180):


E7


X

Are equipped with:


OJUM-01


OJUM-03

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


J


E7


X

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drylin® R pillow blocks | Product range

Open, short design

Order key

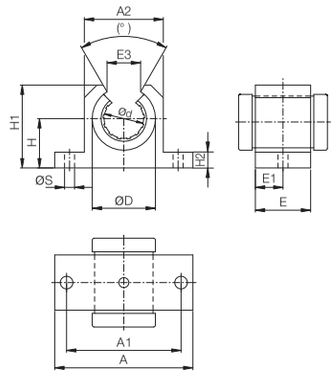
Type	Option	Size
R G A S -	01	- 12

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

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

Please note:
Installation instructions
▶ Page 1079

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



Order key

Type	Option	Size
O G A S -	01	- 12

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

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

Please note:
Installation instructions
▶ Page 1079

Dimensions [mm]

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

t No. ndard JM-01	Self-aligning with RJUM-03	Solid plastic bearings with RJM-01
AS-01-12	**RGAS-03-12**	**RGAS-04-12**
AS-01-16	**RGAS-03-16**	**RGAS-04-16**
AS-01-20	**RGAS-03-20**	**RGAS-04-20**
AS-01-25	**RGAS-03-25**	**RGAS-04-25**
AS-01-30	**RGAS-03-30**	**RGAS-04-30**
AS-01-40	**RGAS-03-40**	**RGAS-04-40**

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


E7


X

Are equipped with:


OJUM-01


OJUM-03

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


J


E7


X

o use the bearing with a defined minimum oversize
ıg gauge test. For this purpose, specific force is
sted.

using	Min. bearing Øi (plug gauge falls)	Max. bearing Øi (plug gauge sticks)
nm	10.030mm	10.070mm
nm	12.030mm	12.070mm
nm	16.030mm	16.070mm
nm	20.030mm	20.070mm
nm	25.030mm	25.070mm
nm	30.040mm	30.090mm
nm	40.040mm	40.090mm
nm	50.050mm	50.150mm
nm	60.050mm	60.150mm
n	0.3768in	0.3776in
n	0.5016in	0.5024in
n	0.6268in	0.6276in
n	0.7516in	0.7524in
n	1.0016in	1.0024in
n	1.2520in	1.2531in
n	1.5020in	1.5031in
n	2.0024in	2.0039in
nm	8.025mm	8.061mm
nm	10.025mm	10.061mm
nm	12.032mm	12.075mm
nm	16.032mm	16.075mm
nm	20.040mm	20.092mm
nm	25.040mm	25.092mm
nm	30.040mm	30.092mm
nm	40.050mm	40.112mm
n	0.3762in	0.3776in
n	0.5013in	0.5030in
n	0.6265in	0.6282in
n	0.7516in	0.7536in
n	1.0035in	1.0056in
n	1.2520in	1.2544in
n	1.5020in	1.5044in
n	2.0024in	2.0053in
nm	12.032mm	12.084mm
nm	16.032mm	16.084mm
nm	20.040mm	20.100mm
nm	25.040mm	25.100mm

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

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

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

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

F_{max} dynamic:
The maximum values are the result of the projected surface and 5MPa surface pressure.

F_{max} static:
The maximum values are the result of the projected surface and 35MPa surface pressure.

Installation instructions ▶ Page 1079

Tightening torque for drylin® connections between metal parts

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

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