

# DryLin<sup>®</sup> R Linear Plain Bearings for Round Shafts



## DryLin® R Linear Plain Bearing

### Product Range

- Inner diameters:  
Inch sizes from 1/4 - 2 in.  
Metric sizes from 6 - 60 mm
- up to 30 bearing types for every diameter

### Special Features

**Clean-Room** Cleanroom certified - IPA Fraunhofer

**ESD** ESD compatible (electrostatic discharge)

**RoHS** Free of toxins - RoHS 2002/95/EC

### Technical Data

**Liners:** Maintenance-free

#### Materials:

- iglide® J
- iglide® J200
- iglide® T500

#### Max. speed:

up to 49 ft/min  
(15 m/s)

#### Shaft materials:

- Anodized aluminum
- Case-hardened steel
- Stainless steel
- Cold-rolled steel
- Hard chrome-plated
- Carbon fiber

### Temperatures

#### iglide® J:

-40°F to +194°F

#### iglide® J200:

-40°F to +194°F

#### iglide® T500:

-148°F to +482°F

Also available as driven systems



**HTS Page 50.17**

DryLin® R linear plain bearings, made from solid polymers, are dimensionally equivalent to standard ball bearings. They are made entirely of wear resistant iglide® materials offering technical benefits as well as a clear price advantage.



## DryLin® R: Linear Plain Bearings

DryLin® R is dimensionally interchangeable with linear ball bearings, but offers cleaner, more cost-effective results even in harsh environments. The standard RJUI/RJUM bearing consists of an iglide® J liner slip-fit into an aluminum housing. The unique grooved design of the J liner minimizes clearance, is suitable for use in extremely wet and dirty environments, and is easily replaceable. Dimensionally interchangeable all-polymer parts RJI/RJM are also available for cost-savings, weight reduction, and other technical advantages. Both parts are secured with retaining clips, as are ball bearings. DryLin R guides may also be used with the high temperature, chemically resistant T500 (TUI/TUM) liners for extreme applications.

### Advantages of DryLin® R

- Self-lubricating
- Maintenance-free
- Can be used in extreme dirt conditions
- Can be used underwater or in washdown conditions
- Replaceable liner
- Dimensionally interchangeable with standard recirculating ball bearings
- Vibration dampening
- No seals or wipers needed
- Compensation for shaft misalignment (O3 series)



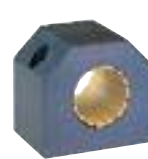
Standard aluminum



Standard stainless steel



Standard solid plastic



Pillow block



Flange pillow block



Quad block



DryLin® R can be used in extreme dirt conditions

# DryLin® R Linear Plain Bearing Material Table



General Properties	Unit	iglide® J	iglide® T500	iglide® J200 (Available in some sizes)	Testing Method
Density	g/cm <sup>3</sup>	1.49	1.44	1.72	
Color		Yellow	Black	Dark grey	
Max. moisture absorption at 73°F/50% r. F.	% weight	0.3	0.1	0.2	DIN 53495
Max. moisture absorption at 73°F	% 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	
P x V value. max. (dry)	psi x fpm	9,700	37,700	8,600	

## Mechanical Properties

Modulus of elasticity	PSI	398,090	1,174,806	406,105	DIN 53457
Tensile strength at 68°F	PSI	10,587	24,656	8,412	DIN 53452
Compressive strength	PSI	8,702	14,504	n.d.	
Permissible static surface pressure (68°F)	PSI	5,076	21,755	3,335	
Shore D hardness		74	85	70	DIN 53505

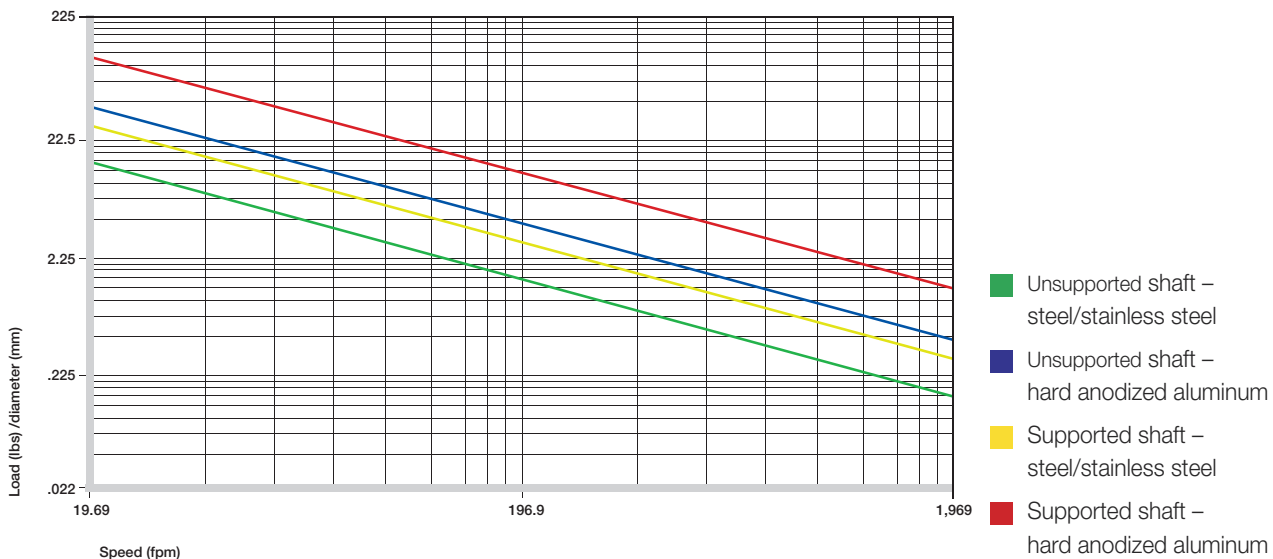
## Physical and Thermal Properties

Max. long term application temperature	°F	194	482	194	
Max. short term application temperature	°F	248	599	248	
Min. application temperature	°F	-58	-148	-58	
Thermal conductivity	W/m x K	0.25	0.6	0.24	ASTM C 177
Coefficient of thermal expansion (at 68°C)	K <sup>-1</sup> x 10 <sup>-5</sup>	10	5	8	DIN 53752

## Electrical Properties

Specific volume resistance	Ωcm	> 10 <sup>13</sup>	< 10 <sup>5</sup>	> 10 <sup>8</sup>	DIN IEC 93
Surface resistance	Ω	> 10 <sup>12</sup>	< 10 <sup>3</sup>	> 10 <sup>8</sup>	DIN 53482

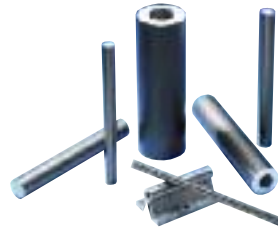
### Material Data for iglide® J (standard linear material)





## DryLin® S: Hard-Anodized Shafting

Although DryLin® R works well with various steel shafts, DryLin® S hard-anodized aluminum shafting was specifically developed as the optimal sliding surface for DryLin® R when using our standard iglide® J/J200 liner material. This combination achieves the lowest frictional properties, and reduces wear by up to 50% versus steel shafting — not to mention being very lightweight and extremely cost-effective.



## The iglide® J material

iglide® J material gliding on different surface materials achieved the best results in our tests. Comprehensive laboratory tests showed that iglide® J is by far the most suitable polymer material for linear motion applications. Special Characteristics of iglide® J:

- Lowest coefficient of friction on all materials
- Very low abrasion values during dry operation
- Excellent wear resistance
- Maintenance free dry operation
- Vibration dampening
- Very low moisture absorption
- Recommended for all shaft materials

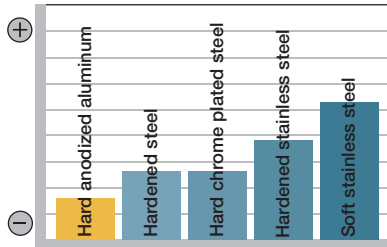
## The iglide® T500 material

iglide® T500 is defined by its combination of high temperature resistance with compressive strength, along with high resistance to chemicals. iglide® T500 achieves the best wear results with stainless steel and chrome plated steel shafts. Special characteristics:

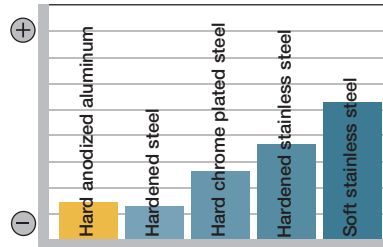
- Temperature resistant from -148°F to +482°F in continuous operation
- Universal resistance to chemicals
- High compressive strength
- Very low moisture absorption
- Great wear resistance through the entire temperature range

### iglide® J against various shaft materials

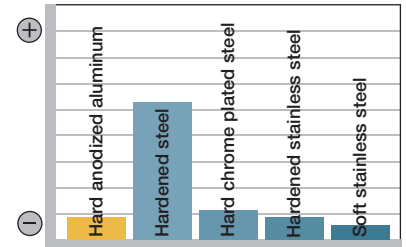
Wear



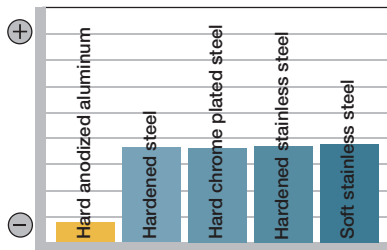
Coefficient of friction



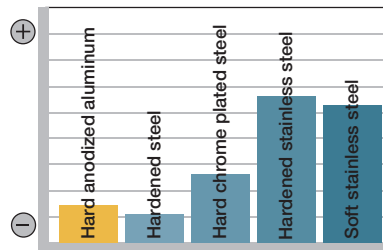
Corrosion



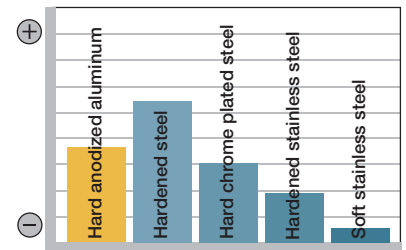
Weight



Costs



Chemical resistance



DryLin® high-temperature bearings made of iglide® T500 are used to support the sealing bar in this packaging machine. The TUM liners run without lubrication at temperatures of around 266°F, allowing a class leading output of 90 cycles/min.

DryLin® R  
Linear Guide Systems

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email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>

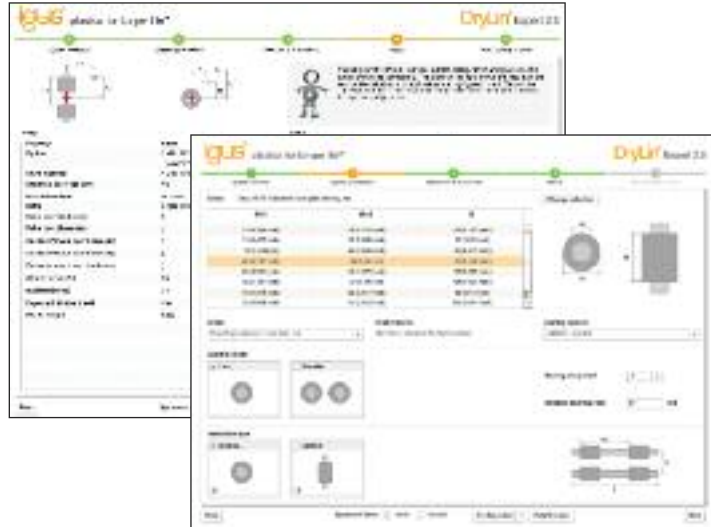


## The Expert System 2.0

The Online Expert System ([www.igus.com](http://www.igus.com)) enables the user to quickly and confidently determine the suitability of one or all DryLin systems in a particular application, and is able to calculate the following:

- Bearing lifetime in miles or kilometers
- The necessary drive force
- The maximum permissible continuous speed
- Bearing wear and the theoretical clearance

The system is able to determine proper functionality, and provides warning signals in order for the user to optimize the design. Information with regards to drive force, center-of-gravity, and required lifetime are also given.



## Dirt, Dust, Fibers

The patented design of the bearing surface using individual slide pads connected by thin film sections, provides performance benefits for dirty environments. For most ball 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, fibers, and coarse dirt as DryLin®



DryLin® R provides reliability in applications where contaminants are prevalent



DryLin® R linear bearings in a safety door



DryLin® R bearings in a retrieval robot with speeds up to 1574 fpm

## Split Linear Bearings

Applications that operate on the edge of technical feasibility or in extremely harsh environments may require frequent replacement of the linear bearings. In many cases, service life can be multiplied many times by DryLin®. However, in extreme applications replacement of the bearings may be necessary even with DryLin®.

With this product line of split DryLin® bearings, installation times can be reduced to a minimum.



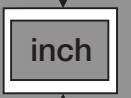
The DryLin® liner can be pushed easily onto the shaft



Then the adapter is fitted over the liner

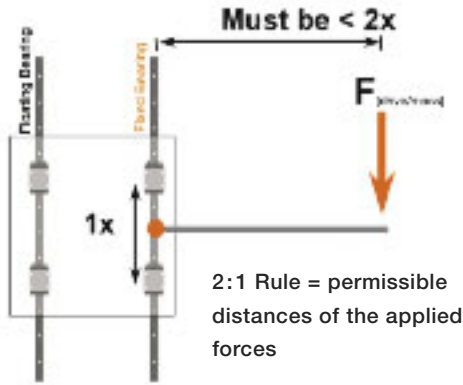


Installation is simple and reduces downtime and maintenance costs





## Eccentric Forces



### The 2:1 Rule

When using linear plain bearings it is important to ensure that the acting forces follow the 2:1 Rule (see drawing). If either the load or the drive force (F) is greater than twice the bearing length (1X), then a binding or interrupted motion may occur.

If the location of the drive force or load cannot be changed, simply increase the distance between the bearings, or create a counterbalance to move the center-of-gravity back within the 2 to 1 ratio.



Online Lifetime Calculation  
[www.igus.com](http://www.igus.com)

## Fixed and Floating Bearing Mounting Instructions

When using systems with 2 parallel rails, one side must be designated as the “fixed” rail, and the opposite side as the “floating” rail.

### Why use floating bearings?

- Promotes smooth gliding performance and maximizes bearing life
- Prevents binding caused by parallelism and angle errors
- Decreases necessary drive force and wear by minimizing friction-forces
- Enhances the precision of the system over the bearings' lifetime.
- Reduce assembly time and cost

### Fixed Bearings

The “fixed” bearing rail should be positioned closest to the drive force. This rail will determine the precision of the system; no system should contain more than two “fixed” bearings.

### Floating/Self-Aligning Bearings

The “floating” rail should be the rail located furthest from the drive force. It is to act only as a guide, and will compensate for any misalignments or angle errors in the system ensuring proper functionality.

### Mounting Surfaces

The mounting surfaces for rails and bearings should have a very flat surface (e.g milled surface) in order to enhance performance. Variations in these surfaces may be compensated for by using floating bearings.

## DryLin® R - Mounting Instructions

DryLin® R linear plain bearings in the 03 Design Series are self-aligning and offer great advantages in applications with parallel shafts. 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 raised spherical area on the outer diameter of the aluminum adapter for self-alignment. Load capacity is the same as the fixed version.

Even in unfavorable edge-load 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

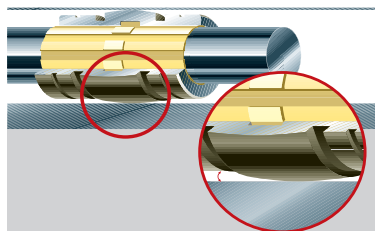
housing bore diameter by 0.2 - 0.3 mm (depending on the size). With the use of mounted O-rings, these bearings have an elastic bearing seat.

### Compensation for angle errors

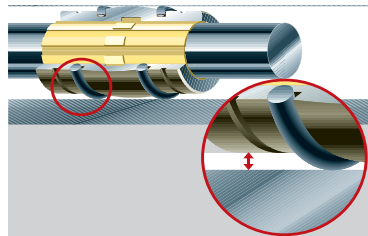
Series RJUI/RJUM/OJUI/OJUM-03	±0.5°
Series RJUM-06-LL/OJUM-06-LL	±3.5°

### Compensation of parallelism errors

Series RJUI/RJUM/OJUI/OJUM-03	±0.1 mm (.004")
Series RJUM-06-LL/OJUM-06-LL	±3 mm (.12")



The spherical DryLin® adapters can compensate for alignment errors. A hard-anodization protects the aluminum adapter from wear.



With built in clearances and the use of O-rings, the self-aligning DryLin® R bearings of the 03 Design Series can compensate for parallelism errors.



The self-aligning DryLin® R bearings of the 06 LL design series can compensate parallelism errors up to ± .12" (3mm).



inch

mm



DryLin® R  
Linear Guide Systems

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QuickSpec: <http://www.igus.com/drylin-quickspec>



This application, a rotary transfer machine, seals champagne bottles with corks, aluminum caps and wire braid. The fact that the DryLin® guide systems are lubricant free is important in the food processing and packaging industries, additional benefits include resistance to chemicals and cleaning.



This application from the food industry transfers breads and pastries from one conveyor to the next. Lubrication is totally prohibited due to food contact. Another reason for using the DryLin® R linear plain bearings is the resistance to corrosive cleaning agents. Additional benefits include the reduced design space required by the iglide® J bearings and the excellent corrosion resistance.

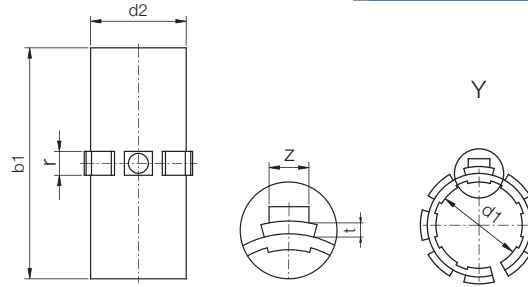


# DryLin® R - Liner, inch JUI-01, Standard JUI-20, Low Clearance TUI-01, High Temp



## Special Properties

- Very low coefficient of friction while running dry
- Very high wear resistance
- Maintenance-free
- Vibration dampening
- Very low moisture absorption
- High chemical resistance
- Suitable for rotating, oscillating and linear movements



Part No.	Nominal Size	Tolerance*	d2	b1	r -0.004 -0.008	t -0.004	z -0.020
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## Standard Clearance

JUI-01-06	3/8	.0016-.0024	0.4684	0.846	.1250	.0311	.0866
JUI-01-08	1/2	.0016-.0024	0.5934	1.220	.1250	.0391	.1024
JUI-01-10	5/8	.0016-.0024	0.7184	1.460	.1406	.0391	.1181
JUI-01-12	3/4	.0016-.0024	0.8747	1.575	.1875	.0391	.1339
JUI-01-16	1	.0016-.0024	1.1247	2.205	.1875	.0391	.1496
JUI-01-20	1 1/4	.0020-.0032	1.4058	2.573	.1875	.0391	.1496
JUI-01-24	1 1/2	.0020-.0032	1.6558	2.953	.2500	.0625	.1811
JUI-01-32	2	.0024-.0040	2.1871	3.937	.2813	.0625	.2280



JUI-01-XX

**Material:** iglide® J  
**Temp. range:** -40°F to +194°F  
**Best Shaft Material:** DryLin® AWI hard anodized aluminum, case hardened steel, 300 series stainless  
 Maximum static psi = 5,075

## Low Clearance

JUI-20-06	3/8	.0008-.0012	0.4684	0.846	.1250	.0311	.0866
JUI-20-08	1/2	.0008-.0012	0.5934	1.220	.1250	.0391	.1024
JUI-20-10	5/8	.0008-.0012	0.7184	1.460	.1406	.0391	.1181
JUI-20-12	3/4	.0008-.0012	0.8747	1.575	.1875	.0391	.1339
JUI-20-16	1	.0008-.0012	1.1247	2.205	.1875	.0391	.1496
JUI-20-20	1 1/4	.0010-.0016	1.4058	2.573	.1875	.0391	.1496
JUI-20-24	1 1/2	.0010-.0016	1.6558	2.953	.2500	.0625	.1811
JUI-20-32	2	.0012-.0020	2.1871	3.937	.2813	.0625	.2280



JUI-20-XX

**Material:** iglide® J  
**Temp. range:** -40°F to +194°F  
**Best Shaft Material:** DryLin® AWI hard anodized aluminum, case hardened steel, 300 series stainless  
 Maximum static psi = 5,075

## High Temperature

TUI-01-08	1/2	.0016-.0024	0.5934	1.220	.1250	.0391	.1024
TUI-01-12	3/4	.0016-.0024	0.8747	1.545	.1875	.0391	.1339
TUI-01-16	1	.0016-.0024	1.1247	2.205	.1875	.0391	.1496
TUI-01-20	1 1/4	.0020-.0032	1.4058	2.573	.1875	.0391	.1496
TUI-01-24	1 1/2	.0020-.0032	1.6558	2.953	.2500	.0625	.1811



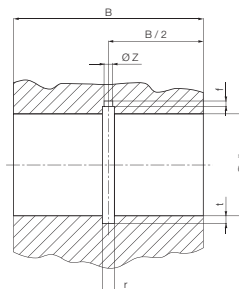
TUI-01-XX  
\*2-piece design

**Material:** iglide® T500  
**Temp. range:** -148°F to +482°F  
**Best Shaft Material:** Hardened stainless and hard chrome plated steel. Maximum static psi = 21,755

\* according to igus® testing method ▶ Page 49.57

## Housing Bore for Liner JUI-01/JUI-20/TUI-01 Dimensions (inch)

Part No.	Nominal Size	di		B *h10	r +0.002	t +0.004	f +0.02	z +0.008
		Max.	Min.					
JUI-01-06	3/8	.4680	.4684	.875	.1250	.031	.039	.102
JUI-01-08	1/2	.5940	.5934	1.250	.1250	.0391	.059	.122
JUI-01-10	5/8	.7190	.7184	1.500	.1406	.0391	.067	.142
JUI-01-12	3/4	.8755	.8747	1.625	.1875	.0391	.079	.142
JUI-01-16	1	1.1255	1.1247	2.250	.1875	.0391	.079	.161
JUI-01-20	1 1/4	1.4068	1.4058	2.625	.1875	.0391	.079	.161
JUI-01-24	1 1/2	1.6568	1.6558	3.000	.2500	.051	.098	.200
JUI-01-32	2	2.1881	2.1871	4.000	.2813	.051	.098	.240



### JUI-01/JUI-20/TUI-01 Liners are used in:

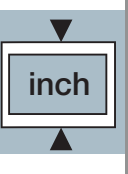
- ▶ RJUI-01 Page 49.12
- ▶ RJUI-03 Page 49.13
- ▶ TJUI-01 Page 49.14
- ▶ TJUI-03 Page 49.15



**Online Lifetime Calculation**  
www.igus.com

DryLin® R  
Linear Guide Systems

PDF: www.igus.com/drylin-pdfs  
CAD: www.igus.com/drylin-CAD  
RoHS info: www.igus.com/RoHS



\*See ISO tolerance information on Page 49.57



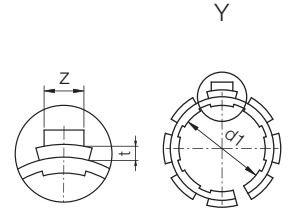
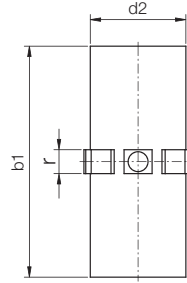
# DryLin® R - Open Liner, inch

## JUIO-0, Standard

## JUIO-20, Low Clearance

JUIO-01 Liners are used in:

- OJUI-01, Page 49.16
- OJUI-03, Page 49.17



### Special Properties

- Open design for supported shafts
- Very low coefficient of friction while running dry
- Very high wear resistance
- Maintenance-free
- Vibration dampening
- Very low moisture absorption
- High chemical resistance
- Suitable for rotating, oscillating and linear movements
- High temperature T500 liners available for up to 482°F

Part No.	Nominal Size	Tolerance	d2	b1	W	r	t	z
						-0.004	-0.004	-0.020
						-0.008		

### Standard Clearance

JUIO-01-06	3/8	.0016-.0024	0.4684	0.846	0.250	.1250	.0311	.0866
JUIO-01-08	1/2	.0016-.0024	0.5934	1.220	0.394	.1250	.0391	.1024
JUIO-01-10	5/8	.0016-.0024	0.7184	1.460	0.433	.1406	.0391	.1181
JUIO-01-12	3/4	.0016-.0024	0.8747	1.575	0.492	.1875	.0391	.1339
JUIO-01-16	1	.0016-.0024	1.1247	2.205	0.630	.1875	.0391	.1496
JUIO-01-20	1 1/4	.0020-.0032	1.4058	2.573	0.709	.1875	.0391	.1496
JUIO-01-24	1 1/2	.0020-.0032	1.6558	2.953	0.866	.2500	.0625	.1811
JUIO-01-32	2	.0024-.0040	2.1871	4.937	1.181	.2813	.0625	.2280



**Material:** iglide® J  
**Temp. range:** -40°F to +194°F  
**Best Shaft Material:** DryLin® AWI hard anodized aluminum, case hardened steel, 300 series stainless  
 Maximum static psi = 5,075

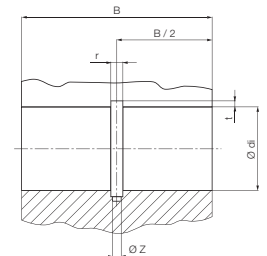
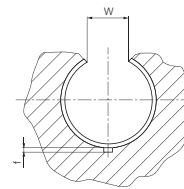
### Low Clearance

JUIO-20-06	3/8	.0008-.0012	0.4684	0.846	0.250	.1250	.0311	.0866
JUIO-20-08	1/2	.0008-.0012	0.5934	1.220	0.394	.1250	.0391	.1024
JUIO-20-10	5/8	.0008-.0012	0.7184	1.460	0.433	.1406	.0391	.1181
JUIO-20-12	3/4	.0008-.0012	0.8747	1.575	0.492	.1875	.0391	.1339
JUIO-20-16	1	.0008-.0012	1.1247	2.205	0.630	.1875	.0391	.1496
JUIO-20-20	1 1/4	.0010-.0016	1.4058	2.573	0.709	.1875	.0391	.1496
JUIO-20-24	1 1/2	.0010-.0016	1.6558	2.953	0.866	.2500	.0625	.1811
JUIO-20-32	2	.0012-.0020	2.1871	4.937	1.181	.2813	.0625	.2280



**Material:** iglide® J  
**Temp. range:** -40°F to +194°F  
**Best Shaft Material:** DryLin® AWI hard anodized aluminum, case hardened steel, 300 series stainless  
 Maximum static psi = 5,075

\* according to igus® testing method ➤ Page 49.57



### Housing Bore, Dimensions (Inch)

Part No. Standard	Part No. Low Clearance	Shaft Size Ø	di (inch)		B (inch) *h10	r (inch) +0.002	t (inch) +0.004	f (inch) +0.02	z (inch) +0.008	W (inch) +0.008
			Min.	Max.						
JUIO-01-06	JUIO-20-06	3/8	.4680	.4684	.875	.1250	.031	.039	.102	0.250
JUIO-01-08	JUIO-20-08	1/2	.5940	.5934	1.250	.1250	.031	.059	.122	0.394
JUIO-01-10	JUIO-20-10	5/8	.7190	.7184	1.500	.1406	.039	.067	.142	0.433
JUIO-01-12	JUIO-20-12	3/4	.8755	.8747	1.625	.1875	.039	.079	.142	0.492
JUIO-01-16	JUIO-20-16	1	1.1255	1.1247	2.250	.1875	.039	.079	.161	0.630
JUIO-01-20	JUIO-20-20	1 1/4	1.4068	1.4058	2.625	.1875	.039	.079	.161	0.709
JUIO-01-24	JUIO-20-24	1 1/2	1.6568	1.6558	3.000	.2500	.062	.089	.200	0.866
JUIO-01-32	JUIO-20-32	2	2.1881	2.1871	4.000	.2813	.062	.098	.240	1.181

\*See ISO tolerance information on Page 49.57

DryLin® R  
Linear Guide Systems

Telephone 1-800-521-2747  
1-401-438-7270  
Fax

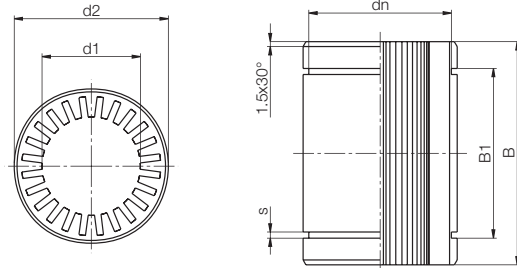
Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>

# DryLin® R - Liner RJI-01, inch



## Special Properties

- Plain bearing made from iglide® J
- Dimensionally interchangeable with linear ball bearings
- Secured by retaining clips (not included in delivery)
- Designed as a press-fit part
- Temperature range: -40°F to +194°F
- Best with DryLin® AWI shafting, case-hardened steel, 300 series stainless and others (call for assistance)



## Dimensions (inch)

Part No.	d1	d2	B -.011	B1 .008	S .004	dn
RJI-01-06	3/8	.6250	.8750	.6890	.0410	.5870
RJI-01-08	1/2	.8750	1.2500	1.0120	.0520	.8200
RJI-01-10	5/8	1.1250	1.5000	1.0950	.0620	1.0600
RJI-01-12	3/4	1.2500	1.6200	1.2500	.0620	1.1770
RJI-01-16	1	1.5625	2.2500	1.8640	.0740	1.4710
RJI-01-20	1-1/4	2.0000	2.6250	1.9840	.0740	1.8890
RJI-01-24	1-1/2	2.3750	3.0000	2.3900	.0950	2.2410
RJI-01-32	2	3.0000	4.0000	3.1630	.1110	2.8390

## Load Data

Part No.	Nominal Size	Tolerance for d1	pmax	pmax	Weight
			Dynamic Load (lbs) p = 363 psi	Static Load (lbs) p = 2538 psi	
RJI-01-06	3/8	.0010 - .0024	67	417	.10
RJI-01-08	1/2	.0013 - .0030	80	555	.31
RJI-01-10	5/8	.0013 - .0030	141	992	.61
RJI-01-12	3/4	.0016 - .0036	204	1428	.78
RJI-01-16	1	.0016 - .0036	294	2062	1.5
RJI-01-20	1-1/4	.0020 - .0044	595	4163	2.86
RJI-01-24	1-1/2	.0020 - .0044	816	5710	4.48
RJI-01-32	2	.0024 - .0053	1452	10152	8.78

\* according to iglus® testing method ➤ Page 49.57

## Housing Bore Recommendations

Nominal ID Size	Min.	Max.
3/8	0.6250	0.6257
1/2	0.8750	0.8758
5/8	1.1250	1.1258
3/4	1.2500	1.2510
1	1.5620	1.5630
1-1/4	2.0000	2.0010
1-1/2	2.3750	2.3760
2	3.0000	3.0010

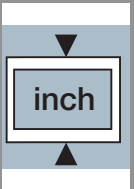
RJI is a press-fit part. It will be oversized prior to installation



online lifetime calculation  
[www.igus.com](http://www.igus.com)

DryLin® R  
Linear Guide Systems

PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)





# DryLin® R Straight Linear Plain Bearing - Inch

DryLin® R  
Linear Guide Systems

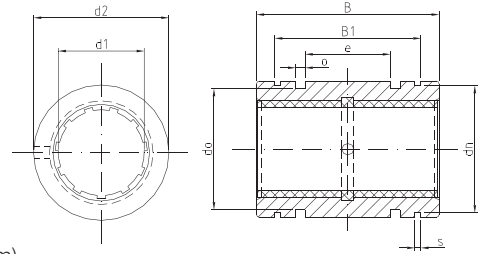
Telephone 1-800-521-2747  
1-401-438-7270  
Fax

Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>



## Special Properties

- Anodized aluminum adapter (Stainless available upon request)
- Dimensionally interchangeable with linear ball bearings
- Equipped with liner made of iglide® J  
Temperature range -40°F to +194°F  
JUI-01 (standard), JUI-20 (low clearance)
- T500 liner optional for chemicals/high temps (up to 482°F for steel housing, 356°F for aluminum)
- Suitable shafting for iglide® J: DryLin® AWI aluminum, case-hardened, 300 series stainless  
Best shafting for T500: hard-chrome and hard-stainless steel



## RJUI-01, Standard Clearance

### Dimensions (inch)

Part No.	Nominal Size	Tolerance**	d2	B	B1	s	dn	e	o	do
			ISO h7	ISO h10	ISO H10					
RJZI-01-04*	1/4	.0016 - .0032	.5000	.7500	.518	.0410	.4670	.125	.0800	.3990
RJUI-01-06	3/8	.0016 - .0032	.6250	.8700	.644	.0410	.5870	.243	.0610	.5660
RJUI-01-08	1/2	.0016 - .0032	.8750	1.2500	.979	.0520	.8200	.281	.1250	.7120
RJUI-01-10	5/8	.0016 - .0032	1.1250	1.5000	1.124	.0620	1.0600	.312	.1250	.9620
RJUI-01-12	3/4	.0016 - .0032	1.2500	1.6200	1.186	.0620	1.1770	.312	.1250	1.0870
RJUI-01-16	1	.0016 - .0032	1.5625	2.2500	1.773	.0740	1.4710	.500	.1250	1.3990
RJUI-01-20	1-1/4	.0020 - .0041	2.0000	2.6200	2.023	.0740	1.8890	.625	.1250	1.8370
RJUI-01-24	1-1/2	.0020 - .0041	2.3750	3.0000	2.440	.0950	2.2410	.750	.1620	2.1520
RJUI-01-32	2	.0024 - .0051	3.0000	4.0000	3.222	.1110	2.8390	1.000	.1890	2.7750

## RJUI-21, Low Clearance

### Dimensions (inch)

Part No.	Nominal Size	Tolerance**	d2	B	B1	s	dn	e	o	do
			ISO h7	ISO h10	ISO H10					
RJUI-21-06	3/8	.0008 - .0016	.6250	.8700	.644	.0410	.5870	.243	.0610	.5660
RJUI-21-08	1/2	.0008 - .0016	.8750	1.2500	.979	.0520	.8200	.281	.1250	.7120
RJUI-21-10	5/8	.0008 - .0016	1.1250	1.5000	1.124	.0620	1.0600	.312	.1250	.9620
RJUI-21-12	3/4	.0008 - .0016	1.2500	1.6200	1.186	.0620	1.1770	.312	.1250	1.0870
RJUI-21-16	1	.0008 - .0016	1.5625	2.2500	1.773	.0740	1.4710	.500	.1250	1.3990
RJUI-21-20	1-1/4	.0010 - .0021	2.0000	2.6200	2.023	.0740	1.8890	.625	.1250	1.8370
RJUI-21-24	1-1/2	.0010 - .0021	2.3750	3.0000	2.440	.0950	2.2410	.750	.1620	2.1520
RJUI-21-32	2	.0012 - .0026	3.0000	4.0000	3.222	.1110	2.8390	1.000	.1890	2.7750

### Housing Bore Recommendations

Nominal ID Size	Min. Max.	
	1/4	0.5000
3/8	0.6250	0.6257
1/2	0.8750	0.8758
5/8	1.1250	1.1258
3/4	1.2500	1.2510
1	1.5625	1.5635
1-1/4	2.0000	2.0010
1-1/2	2.3750	2.3760
2	3.0000	3.0010

### Load Data

Part No.	pmax Dynamic Load (lbs)	pmax Static Load (lbs)
	p = 725 psi	p = 5075 psi
RJZI-01-04*	135	946
RJUI-01-06 / RJUI-21-06	118	828
RJUI-01-08 / RJUI-21-08	225	1575
RJUI-01-10 / RJUI-21-10	338	2365
RJUI-01-12 / RJUI-21-12	439	3077
RJUI-01-16 / RJUI-21-16	811	5678
RJUI-01-20 / RJUI-21-20	1184	8287
RJUI-01-24 / RJUI-21-24	1622	11358
RJUI-01-32 / RJUI-21-32	2885	20198

\* Nominal widths under 3/8 inch are delivered with pressfit sleeve bearings

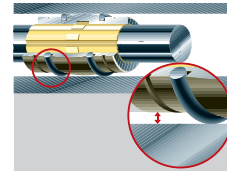
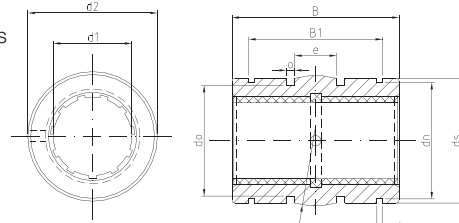
\*\* according to igus® testing method ▶ Page 49.57

# DryLin® R Self-Aligning Linear Plain Bearing, inch



## Special Properties

- Hard anodized aluminum (Stainless available upon request)
- Compensates +/- 0.5° angle error
- Approximately 0.007" smaller OD for parallelism errors
- iglide® J Temperature range -40°F to +194°F  
JUI-01 (standard), JUI-20 (low clearance)
- T500 liner optional for chemicals/high temps, 356°F for aluminum
- Suitable shafting for iglide® J: DryLin® AWI aluminum, case-hardened, 300 series stainless  
Best shafting for T500: hard-chrome and hard-stainless steel
- Includes o-rings (o-ring grease recommended for install)
- Secure by retaining clips (not included)



DryLin® R  
Linear Guide Systems

## RJUI-03, Standard Clearance

### Dimensions (inch)

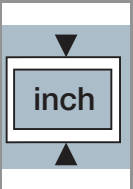
Part No.	Nominal Size	Tolerance**	d2 ISO h8	B ISO h10	B1 ISO H10	s	ds	dn ISO h10	do	o -0.004	e
RJZI-03-04*	1/4	.0016-.0032	.4921	.7460	.5270	.0410	.4803	.4660	.3990	.0800	.1250
RJUI-03-06	3/8	.0016-.0032	.6173	.8713	.6520	.0410	.6055	.5870	.5240	.0610	.2430
RJUI-03-08	1/2	.0016-.0032	.8673	1.2461	.9870	.0520	.8556	.8200	.7120	.1250	.2815
RJUI-03-10	5/8	.0016-.0032	1.1173	1.4961	1.1360	.0620	1.1055	1.0600	.9620	.1250	.3125
RJUI-03-12	3/4	.0016-.0032	1.2421	1.6173	1.1980	.0620	1.2300	1.1770	1.0870	.1250	.3125
RJUI-03-16	1	.0016-.0032	1.5547	2.2421	1.7890	.0740	1.5271	1.4710	1.3990	.1250	.5000
RJUI-03-20	1-1/4	.0020-.0041	1.9881	2.6173	2.0390	.0740	1.9606	1.8890	1.8370	.1250	.6250
RJUI-03-24	1-1/2	.0020-.0041	2.3634	2.9921	2.4630	.0950	2.3358	2.2410	2.1520	.1620	.7500
RJUI-03-32	2	.0024-.0051	2.9881	3.9921	3.2490	.1110	2.9606	2.8390	2.7750	.1890	1.0000

## RJUI-23, Low Clearance

### Dimensions (inch)

Part No.	Nominal Size	Tolerance**	d2 ISO h8	B ISO h10	B1 ISO H10	s	ds	dn ISO h10	do	o -0.004	e
RJUI-23-06	3/8	.0008-.0016	.6173	.8713	.6520	.0410	.6055	.5870	.5240	.0610	.2430
RJUI-23-08	1/2	.0008-.0016	.8673	1.2461	.9870	.0520	.8556	.8200	.7120	.1250	.2815
RJUI-23-10	5/8	.0008-.0016	1.1173	1.4961	1.1360	.0620	1.1055	1.0600	.9620	.1250	.3125
RJUI-23-12	3/4	.0008-.0016	1.2421	1.6173	1.1980	.0620	1.2300	1.1770	1.0870	.1250	.3125
RJUI-23-16	1	.0008-.0016	1.5547	2.2421	1.7890	.0740	1.5271	1.4710	1.3990	.1250	.5000
RJUI-23-20	1-1/4	.0010-.0021	1.9881	2.6173	2.0390	.0740	1.9606	1.8890	1.8370	.1250	.6250
RJUI-23-24	1-1/2	.0010-.0021	2.3634	2.9921	2.4630	.0950	2.3358	2.2410	2.1520	.1620	.7500
RJUI-23-32	2	.0012-.0026	2.9881	3.9921	3.2490	.1110	2.9606	2.8390	2.7750	.1890	1.0000

PDF: www.igus.com/drylin-pdfs  
CAD: www.igus.com/drylin-CAD  
RoHS info: www.igus.com/RoHS



### Housing Bore Recommendations

Nominal ID Size	Min.	Max.
1/4	0.5000	0.5007
3/8	0.6250	0.6257
1/2	0.8750	0.8758
5/8	1.1250	1.1258
3/4	1.2500	1.2510
1	1.5625	1.5635
1-1/4	2.0000	2.0010
1-1/2	2.3750	2.3760
2	3.0000	3.0010

### Load Data

Part No.	pmax Dynamic Load (lbs) p = 725 psi	pmax Static Load (lbs) p = 5075 psi
RJZI-03-04*	135	946
RJUI-03-06 / RJUI-23-06	118	828
RJUI-03-08 / RJUI-23-08	225	1575
RJUI-03-10 / RJUI-23-10	338	2365
RJUI-03-12 / RJUI-23-12	439	3077
RJUI-03-16 / RJUI-23-16	811	5678
RJUI-03-20 / RJUI-23-20	1184	8287
RJUI-03-24 / RJUI-23-24	1622	11358
RJUI-03-32 / RJUI-23-32	2885	20198

\* Nominal widths under 3/8 inch are delivered with pressfit sleeve bearings

\*\* according to igus® testing method ► Page 49.57



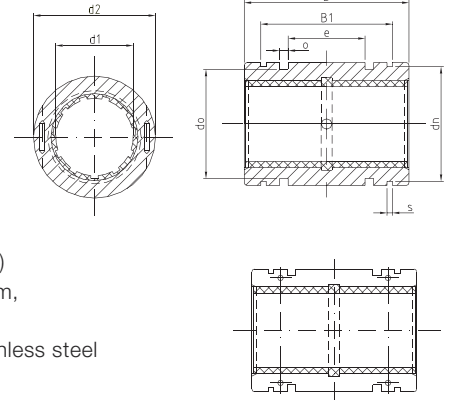
# DryLin® R Straight, Split Linear Bearings, inch

DryLin® R  
Linear Guide Systems



### Special Properties

- Anodized aluminum adapter
- Dimensionally interchangeable with linear ball bearings
- Equipped with liner made of iglide® J  
Temperature range -40°F to +194°F  
JUI-01 (standard), JUI-20 (low clearance)
- T500 liner optional for chemicals/high temps  
(up to 482°F for steel housing, 356°F for aluminum)
- Suitable shafting for iglide® J: DryLin® AWI aluminum, case-hardened, 300 series stainless  
Best shafting for T500: hard-chrome and hard-stainless steel



## TJUI-01, Standard Clearance

### Dimensions (inch)

Part No.	Nominal Size	Tolerance*	d2 ISO f7	B ISO h10	B1 ISO H10	s	dn	e	o +0.008	do
TJUI-01-08	1/2	.0016 - .0036	.8750	1.2500	.979	.0520	.8200	.281	.1250	.7120
TJUI-01-10	5/8	.0016 - .0036	1.1250	1.5000	1.124	.0620	1.0600	.312	.1250	.9620
TJUI-01-12	3/4	.0016 - .0036	1.2500	1.6250	1.186	.0620	1.1770	.312	.1250	1.0870
TJUI-01-16	1	.0016 - .0036	1.5625	2.2500	1.773	.0740	1.4710	.500	.1250	1.3990
TJUI-01-20	1-1/4	.0020 - .0039	2.0000	2.6250	2.023	.0740	1.8890	.625	.1250	1.8370
TJUI-01-24	1-1/2	.0020 - .0047	2.3750	3.0000	2.440	.0950	2.2410	.650	.1620	2.1520
TJUI-01-32	2	.0024 - .0057	3.0000	4.0000	3.222	.1110	2.8390	1.000	.1890	2.7750

## TJUI-21, Low Clearance

### Dimensions (inch)

Part No.	Nominal Size	Tolerance*	d2 ISO f7	B ISO h10	B1 ISO H10	s	dn	e	o +0.008	do
TJUI-21-08	1/2	.0008 - .0018	.8750	1.2500	.979	.0520	.8200	.281	.1250	.7120
TJUI-21-10	5/8	.0008 - .0018	1.1250	1.5000	1.124	.0620	1.0600	.312	.1250	.9620
TJUI-21-12	3/4	.0008 - .0018	1.2500	1.6250	1.186	.0620	1.1770	.312	.1250	1.0870
TJUI-21-16	1	.0008 - .0018	1.5625	2.2500	1.773	.0740	1.4710	.500	.1250	1.3990
TJUI-21-20	1-1/4	.0010 - .0020	2.0000	2.6250	2.023	.0740	1.8890	.625	.1250	1.8370
TJUI-21-24	1-1/2	.0010 - .0024	2.3750	3.0000	2.440	.0950	2.2410	.650	.1620	2.1520
TJUI-21-32	2	.0012 - .0029	3.0000	4.0000	3.222	.1110	2.8390	1.000	.1890	2.7750

### Housing Bore Recommendations

Nominal ID Size	Min.	Max.
1/4	0.5000	0.5007
3/8	0.6250	0.6257
1/2	0.8750	0.8758
5/8	1.1250	1.1258
3/4	1.2500	1.2510
1	1.5625	1.5635
1-1/4	2.0000	2.0010
1-1/2	2.3750	2.3760
2	3.0000	3.0010

### Load Data

Part No.	pmax Dynamic Load (lbs) p = 725 psi	pmax Static Load (lbs) p = 5075 psi
	TJUI-01-08 / TJUI-03-08	225
TJUI-01-10 / TJUI-03-10	338	2365
TJUI-01-12 / TJUI-03-12	439	3077
TJUI-01-16 / TJUI-03-16	811	5678
TJUI-01-20 / TJUI-03-20	1184	8287
TJUI-01-24 / TJUI-03-24	1622	11358
TJUI-01-32 / TJUI-03-32	2885	20198

Material: iglide® J

Temp. range: -40°F to +194°F

Best Shaft Material: DryLin® AWI hard anodized aluminum, case hardened steel, 300 series stainless

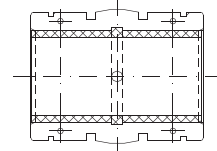
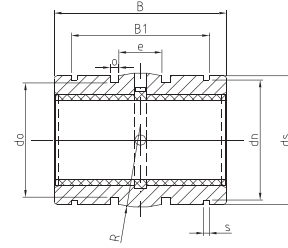
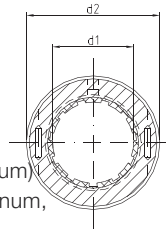
Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>

# DryLin® R Self-Aligning, Split Linear Plain Bearing, inch



## Special Properties

- Anodized aluminum adapter
- Dimensionally interchangeable with linear ball bearings
- iglide® J Temperature range -40°F to +194°F
- T500 liner optional for chemicals/high temps (up to 482°F for steel housing, 356°F for aluminum)
- Suitable shafting for iglide® J: DryLin® AWI aluminum, case-hardened, 300 series stainless  
Best shafting for T500: hard-chrome and hard-stainless steel
- Includes o-rings (o-ring grease recommended for install)



## TJUI-03, Standard Clearance

### Dimensions (inch)

Part No.	∅ Shaft	Tolerance*	d2 ISO f7	B ISO h10	B1 ISO H10	s	ds	do	o +0.008	e
TJUI-03-08	1/2	.0016 - .0036	.8750	1.2420	.987	.0520	.8563	.7120	.1250	.2815
TJUI-03-10	5/8	.0016 - .0036	1.1250	1.4920	1.136	.0620	1.1039	.9620	.1250	.3125
TJUI-03-12	3/4	.0016 - .0036	1.2500	1.6170	1.198	.0620	1.2276	1.0870	.1250	.3125
TJUI-03-16	1	.0016 - .0036	1.5625	2.2382	1.789	.0740	1.5350	1.3990	.1250	.5000
TJUI-03-20	1-1/4	.0020 - .0039	2.0000	2.6134	2.039	.0740	1.9654	1.8370	.1250	.6250
TJUI-03-24	1-1/2	.0020 - .0047	2.3750	2.9843	2.463	.0950	2.3370	2.1520	.1620	.7500
TJUI-03-32	2	.0024 - .0057	3.0000	3.9803	3.249	.1110	2.9531	2.7750	.1890	1.0000

## TJUI-23, Low Clearance

### Dimensions (inch)

Part No.	∅ Shaft	Tolerance*	d2 ISO f7	B ISO h10	B1 ISO H10	s	ds	do	o +0.008	e
TJUI-23-08	1/2	.0008 - .0018	.8750	1.2420	.987	.0520	.8563	.7120	.1250	.2815
TJUI-23-10	5/8	.0008 - .0018	1.1250	1.4920	1.136	.0620	1.1039	.9620	.1250	.3125
TJUI-23-12	3/4	.0008 - .0018	1.2500	1.6170	1.198	.0620	1.2276	1.0870	.1250	.3125
TJUI-23-16	1	.0008 - .0018	1.5625	2.2382	1.789	.0740	1.5350	1.3990	.1250	.5000
TJUI-23-20	1-1/4	.0010 - .0020	2.0000	2.6134	2.039	.0740	1.9654	1.8370	.1250	.6250
TJUI-23-24	1-1/2	.0010 - .0024	2.3750	2.9843	2.463	.0950	2.3370	2.1520	.1620	.7500
TJUI-23-32	2	.0012 - .0029	3.0000	3.9803	3.249	.1110	2.9531	2.7750	.1890	1.0000

\* according to iglus® testing method ▶ Page 49.57

### Housing Bore Recommendations

Nominal ID Size	Min.	Max.
1/4	0.5000	0.5007
3/8	0.6250	0.6257
1/2	0.8750	0.8758
5/8	1.1250	1.1258
3/4	1.2500	1.2510
1	1.5625	1.5635
1-1/4	2.0000	2.0010
1-1/2	2.3750	2.3760
2	3.0000	3.0010

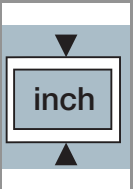
### Benefits

- Drastically reduce machine downtime
- Replace bearings without removing shafts
- Unique, cost-effective solution versus ball bearings



DryLin® R  
Linear Guide Systems

PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)

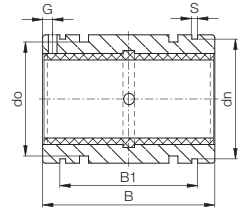
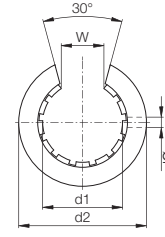




# DryLin® R Straight, Open Linear Bearing, inch

## Special Properties

- Anodized aluminum adapter
- Dimensionally interchangeable with linear ball bearings
- Equipped with liner made of iglide® J  
Temperature range -40°F to +194°F  
JUJO-01 (standard), JUI-20 (low clearance)
- T500 liner optional for chemicals/high temps  
(up to 482°F for steel housing, 356°F for aluminum)
- Suitable shafting for iglide® J: DryLin® AWI aluminum, case-hardened, 300 series stainless  
Best shafting for T500: hard-chrome and hard-stainless steel



DryLin® R  
Linear Guide Systems

Telephone 1-800-521-2747  
1-401-438-7270  
Fax

## OJUI-01, Standard Clearance

### Dimensions (inch)

Part No..	Ø Shaft	Tolerance*	d2 ISO h7	B ISO h10	W ±0.012	s	dn ISO h10	B1 ISO H10	F +0.004	G +0.004	do
OJUI-01-08	1/2	.0016 - .0032	.8750	1.2500	.3940	.0520	.8200	.979	.1360	.6250	.684
OJUI-01-10	5/8	.0016 - .0032	1.1250	1.5000	.4330	.0620	1.0600	1.124	.1360	.1250	.934
OJUI-01-12	3/4	.0016 - .0032	1.2500	1.6250	.4920	.0620	1.1770	1.186	.1360	.1250	1.059
OJUI-01-16	1	.0016 - .0032	1.5625	2.2500	.6300	.0740	1.4710	1.773	.1360	.1250	1.372
OJUI-01-20	1-1/4	.0020 - .0041	2.0000	2.6250	.7090	.0740	1.8890	2.023	.2010	.1875	1.809
OJUI-01-24	1-1/2	.0020 - .0041	2.3750	3.0000	.8660	.0950	2.2410	2.440	.2010	.1875	2.113
OJUI-01-32	2	.0024 - .0051	3.0000	4.0000	1.1810	.1110	2.8390	3.222	.2650	.3125	2.738

## OJUI-21, Low Clearance

### Dimensions (inch)

Part No..	Ø Shaft	Tolerance*	d2 ISO h7	B ISO h10	W ±0.012	s	dn ISO h10	B1 ISO H10	F +0.004	G +0.004	do
OJUI-21-08	1/2	.0008 - .0016	.8750	1.2500	.3940	.0520	.8200	.979	.1360	.6250	.684
OJUI-21-10	5/8	.0008 - .0016	1.1250	1.5000	.4330	.0620	1.0600	1.124	.1360	.1250	.934
OJUI-21-12	3/4	.0008 - .0016	1.2500	1.6250	.4920	.0620	1.1770	1.186	.1360	.1250	1.059
OJUI-21-16	1	.0008 - .0016	1.5625	2.2500	.6300	.0740	1.4710	1.773	.1360	.1250	1.372
OJUI-21-20	1-1/4	.0010 - .0021	2.0000	2.6250	.7090	.0740	1.8890	2.023	.2010	.1875	1.809
OJUI-21-24	1-1/2	.0010 - .0021	2.3750	3.0000	.8660	.0950	2.2410	2.440	.2010	.1875	2.113
OJUI-21-32	2	.0012 - .0026	3.0000	4.0000	1.1810	.1110	2.8390	3.222	.2650	.3125	2.738

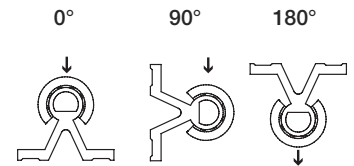
\* according to igus® testing method ▶ Page 49.57

### Housing Bore Recommendations

Nominal ID Size	Min.	Max.
1/4	0.5000	0.5007
3/8	0.6250	0.6257
1/2	0.8750	0.8758
5/8	1.1250	1.1258
3/4	1.2500	1.2510
1	1.5625	1.5635
1-1/4	2.0000	2.0010
1-1/2	2.3750	2.3760
2	3.0000	3.0010

### Load Data

Part No.	pmax. Dynamic Load P = 725 psi			pmax. Static Load P = 5075 psi		
	0°	90°	180°	0°	90°	180°
	OJUI-01-08 / OJUI-21-08	226	154	80	1585	1078
OJUI-01-10 / OJUI-21-10	340	231	118	2378	1617	832
OJUI-01-12 / OJUI-21-12	408	277	143	2854	1942	998
OJUI-01-16 / OJUI-21-16	590	400	206	4123	2804	1443
OJUI-01-20 / OJUI-21-20	1189	809	416	8323	5659	2912
OJUI-01-24 / OJUI-21-24	1631	1109	571	11418	7765	3996
OJUI-01-32 / OJUI-21-32	2900	1972	1015	20300	13804	7104



Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>

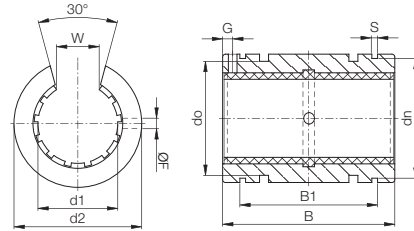


# DryLin® R Self-Aligning, Open Linear Plain Bearing, inch



## Special Properties

- Hard anodized aluminum adapter
- Dimensionally interchangeable with linear ball bearings
- Equipped with liner made of iglide® J  
Temperature range -40°F to +194°F  
JUIO-01 (standard), JUIO-20 (low clearance)
- T500 liner optional for chemicals/high temps  
(up to 482°F for steel housing, 356°F for aluminum)
- Suitable shafting for iglide® J: DryLin® AWI aluminum, case-hardened, 300 series stainless  
Best shafting for T500: hard-chrome and hard-stainless steel



## OJUI-03, Standard Clearance Dimensions (inch)

Part No.	Ø Shaft	Tolerance*	d2 ISO h8	ds ISO h10	F +0.004	G +0.004	do	B1 ISO H10	s ISO H10	dn ISO h10	B ISO h10	W +0.012
OJUI-03-08	1/2	.0016 -.0032	.8673	.8556	.1360	.6250	.6846	.987	.0520	.8200	1.2461	.3940
OJUI-03-10	5/8	.0016 -.0032	1.1173	1.1055	.1360	.1250	.9346	1.136	.0620	1.0600	1.4961	.4330
OJUI-03-12	3/4	.0016 -.0032	1.2421	1.2300	.1360	.1250	1.0590	1.198	.0620	1.1770	1.6173	.4920
OJUI-03-16	1	.0016 -.0032	1.5547	1.5271	.1360	.1250	1.3720	1.789	.0740	1.4710	2.2421	.6300
OJUI-03-20	1-1/4	.0020 -.0041	1.9881	1.9606	.2010	.1875	1.8094	2.039	.0740	1.8890	2.6173	.7090
OJUI-03-24	1-1/2	.0020 -.0041	2.3634	2.3358	.2010	.1875	2.1130	2.463	.0950	2.2410	2.9921	.8660
OJUI-03-32	2	.0024 -.0051	2.988	2.9606	.2650	.3125	2.7378	3.249	.1110	2.8390	3.9921	1.1810

## OJUI-23, Low Clearance Dimensions (inch)

Part No.	Ø Shaft	Tolerance*	d2 ISO h8	ds ISO h10	F +0.004	G +0.004	do	B1 ISO H10	s ISO H10	dn ISO h10	B ISO h10	W +0.012
OJUI-23-08	1/2	.0008 -.0016	.8673	.8556	.1360	.6250	.6846	.987	.0520	.8200	1.2461	.3940
OJUI-23-10	5/8	.0008 -.0016	1.1173	1.1055	.1360	.1250	.9346	1.136	.0620	1.0600	1.4961	.4330
OJUI-23-12	3/4	.0008 -.0016	1.2421	1.2300	.1360	.1250	1.0590	1.198	.0620	1.1770	1.6173	.4920
OJUI-23-16	1	.0008 -.0016	1.5547	1.5271	.1360	.1250	1.3720	1.789	.0740	1.4710	2.2421	.6300
OJUI-23-20	1-1/4	.0010 -.0021	1.9881	1.9606	.2010	.1875	1.8094	2.039	.0740	1.8890	2.6173	.7090
OJUI-23-24	1-1/2	.0010 -.0021	2.3634	2.3358	.2010	.1875	2.1130	2.463	.0950	2.2410	2.9921	.8660
OJUI-23-32	2	.0012 -.0026	2.988	2.9606	.2650	.3125	2.7378	3.249	.1110	2.8390	3.9921	1.1810

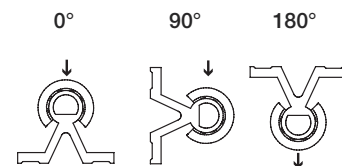
\* according to iglus® testing method ▶ Page 49.57

### Housing Bore Recommendations

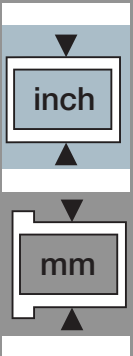
Nominal ID Size	Min.	Max.
1/4	0.5000	0.5007
3/8	0.6250	0.6257
1/2	0.8750	0.8758
5/8	1.1250	1.1258
3/4	1.2500	1.2510
1	1.5625	1.5635
1-1/4	2.0000	2.0010
1-1/2	2.3750	2.3760
2	3.0000	3.0010

### Load Data

Part No.	pmax. Dynamic Load P = 725 psi			pmax. Static Load P = 5075 psi		
	0°	90°	180°	0°	90°	180°
	OJUI-03-08 / OJUI-23-08	226	154	80	1585	1078
OJUI-03-10 / OJUI-23-10	340	231	118	2378	1617	832
OJUI-03-12 / OJUI-23-12	408	277	143	2854	1942	998
OJUI-03-16 / OJUI-23-16	590	400	206	4123	2804	1443
OJUI-03-20 / OJUI-23-20	1189	809	416	8323	5659	2912
OJUI-03-24 / OJUI-23-24	1631	1109	571	11418	7765	3996
OJUI-03-32 / OJUI-23-32	2900	1972	1015	20300	13804	7104



PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)





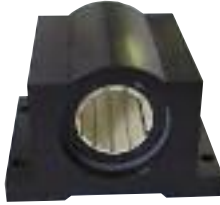
# DryLin® R Straight Bearing, Closed Pillow Block, inch

DryLin® R  
Linear Guide Systems

Telephone 1-800-521-2747  
Fax 1-401-438-7270

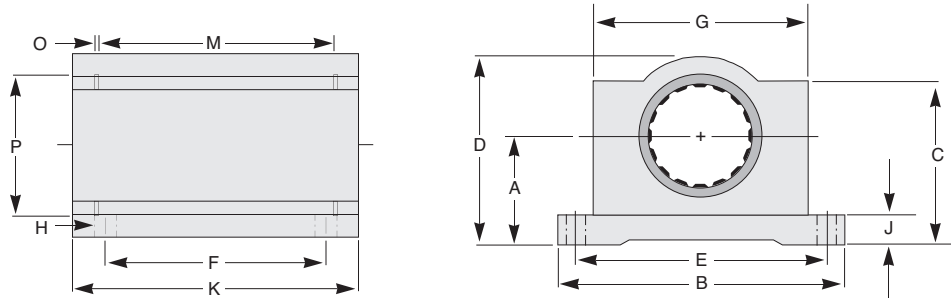
Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>

49.18



## Special Properties

- Closed, anodized aluminum housing
- Liner JUI-01 made of iglide® J is contained according to standard tolerances
- Can be fitted with iglide® T500 liner material for temperatures up to 356°F
- Low clearance liners optional
- Dimensionally interchangeable with ball bearings



## RJUI-XX, Bearing

### Dimensions (inch)

Part No.	Nom. Size	A ±.001	B	C	D ±.010	E ±.010	F	G	H		J	K	M	O	P
									BOLT	HOLE					
RJZI- <input type="text"/> -04	1/4	0.437	1.625	0.750	0.813	1.312	0.750	1.000	#6	5/32	0.188	1.188	0.750	0.039	0.532
RJUI- <input type="text"/> -06	3/8	0.500	1.750	0.875	0.938	1.437	0.875	1.125	#6	5/32	0.188	1.313	0.875	0.039	0.665
RJUI- <input type="text"/> -08	1/2	0.687	2.000	1.125	1.250	1.688	1.000	1.375	#6	5/32	0.250	1.688	1.250	0.046	0.931
RJUI- <input type="text"/> -10	5/8	0.875	2.500	1.438	1.625	2.125	1.125	1.750	#8	3/16	0.281	1.938	1.500	0.056	1.197
RJUI- <input type="text"/> -12	3/4	0.937	2.750	1.563	1.750	2.375	1.250	1.875	#8	3/16	0.313	2.063	1.625	0.056	1.330
RJUI- <input type="text"/> -16	1	1.187	3.250	1.938	2.188	2.875	1.750	2.375	#10	7/32	0.375	2.813	2.250	0.068	1.671
RJUI- <input type="text"/> -20	1-1/4	1.500	4.000	2.500	2.813	3.500	2.000	3.000	#10	7/32	0.438	3.625	2.625	0.068	2.122
RJUI- <input type="text"/> -24	1-1/2	1.750	4.750	2.875	3.250	4.125	2.500	3.500	1/4	9/32	0.500	4.000	3.000	0.086	2.519
RJUI- <input type="text"/> -32	2	2.125	6.000	3.625	4.063	5.250	3.250	4.500	3/8	13/32	0.625	5.000	4.000	0.103	3.182

Supplement the part number with one of the following choices.  
Example: RJUI--04 for a self aligning version

For Straight bearing use  (see page 49.12)

For Self-Aligning bearing use  (see page 49.13)

For Low Clearance Straight use  (see page 49.12)

For Low Clearance Self-Aligning use  (see page 49.13)



Online lifetime calculation  
[www.igus.com](http://www.igus.com)

## Load Data

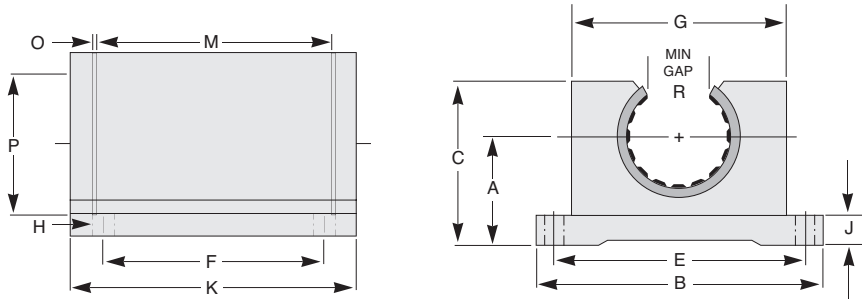
Part No.	Dynamic Load (lbs)		Static Load (lbs)	
	P = 725 psi		P = 5075 psi	
RJZI- <input type="text"/> -04	135	946		
RJUI- <input type="text"/> -06	118	828		
RJUI- <input type="text"/> -08	225	1575		
RJUI- <input type="text"/> -10	338	2365		
RJUI- <input type="text"/> -12	439	3077		
RJUI- <input type="text"/> -16	811	5678		
RJUI- <input type="text"/> -20	1184	8287		
RJUI- <input type="text"/> -24	1622	11358		
RJUI- <input type="text"/> -32	2885	20198		

# DryLin® R Straight Bearing, Open Pillow Block, inch



## Special Properties

- Open, anodized aluminum housing
- Liner JUI-01 made of iglide® J is contained according to standard tolerances
- Can be fitted with iglide® T500 liner material for temperatures up to 356°F
- Low clearance liners optional
- Dimensionally interchangeable with ball bearings



## OJUI-XX, Bearing

### Dimensions (inch)

Part No.	Nom. Size	A ±.001	B	C	E ±.010	F ±.010	G	H		J	K	M	O	P	R
								BOLT	HOLE						
OJUI-□-08	1/2	0.687	2.000	1.125	1.688	1.000	1.375	#6	5/32	0.250	1.688	1.250	0.046	0.931	0.313
OJUI-□-10	5/8	0.875	2.500	1.438	2.125	1.125	1.750	#8	3/16	0.281	1.938	1.500	0.056	1.197	0.375
OJUI-□-12	3/4	0.937	2.750	1.563	2.375	1.250	1.875	#8	3/16	0.313	2.063	1.625	0.056	1.330	0.438
OJUI-□-16	1	1.187	3.250	1.938	2.875	1.750	2.375	#10	7/32	0.375	2.813	2.250	0.068	1.671	0.563
OJUI-□-20	1-1/4	1.500	4.000	2.500	3.500	2.000	3.000	#10	7/32	0.438	3.625	2.625	0.068	2.122	0.625
OJUI-□-24	1-1/2	1.750	4.750	2.875	4.125	2.500	3.500	1/4	9/32	0.500	4.000	3.000	0.086	2.519	0.750
OJUI-□-32	2	2.125	6.000	3.625	5.250	3.250	4.500	3/8	13/32	0.625	5.000	4.000	0.103	3.182	1.000

Supplement the part number with one of the following choices.  
Example: OJUI-**13**-04 for a self aligning version

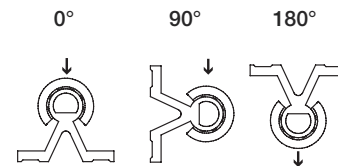
- For Straight bearing use **11** (see page 49.16)
- For Self-Aligning bearing use **13** (see page 49.17)
- For Low Clearance Straight use **31** (see page 49.16)
- For Low Clearance Self-Aligning use **33** (see page 49.17)



Online lifetime calculation  
[www.igus.com](http://www.igus.com)

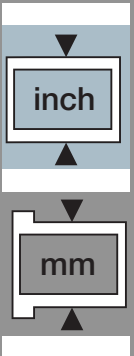
## Load Data

Part No.	pmax. Dynamic Load			pmax. Static Load		
	P = 725 psi			P = 5075 psi		
	0°	90°	180°	0°	90°	180°
OJUI- <b>XX</b> -08	226	154	80	1585	1078	555
OJUI- <b>XX</b> -10	340	231	118	2378	1617	832
OJUI- <b>XX</b> -12	408	277	143	2854	1942	998
OJUI- <b>XX</b> -16	590	400	206	4123	2804	1443
OJUI- <b>XX</b> -20	1189	809	416	8323	5659	2912
OJUI- <b>XX</b> -24	1631	1109	571	11418	7765	3996
OJUI- <b>XX</b> -32	2900	1972	1015	20300	13804	7104



DryLin® R  
Linear Guide Systems

PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)





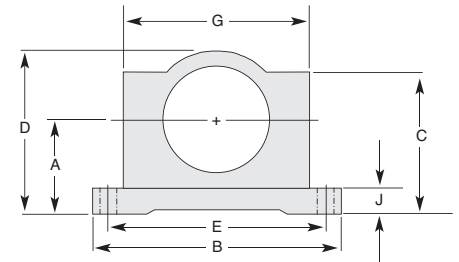
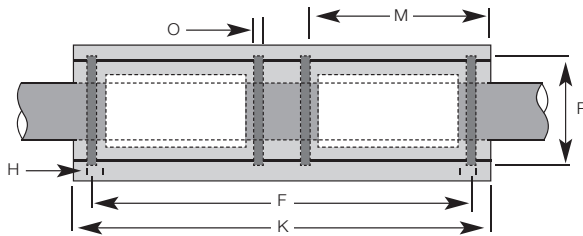
# DryLin® R Straight Bearing, Closed Twin Pillow Block, inch,

DryLin® R  
Linear Guide Systems



### Special Properties

- Closed, anodized aluminum housing, twin design
- Liner JUI-01 made of iglide® J is contained according to standard tolerances
- Can be fitted with iglide® T500 liner material for temperatures up to 356°F
- Low clearance liners optional
- Dimensionally interchangeable with ball bearings



## RJUI-XX-XXTW, Twin Pillow Block

### Dimensions (inch)

Part No.	Nom. Size	A ±.001	B	C	D ±.010	E ±.010	F	G	H BOLT	H HOLE	J	K	M	O	P
RJZI- <input type="text"/> -04TW	1/4	0.437	1.625	0.750	0.813	1.312	2.000	1.000	#6	5/32	0.188	2.500	0.750	0.039	0.532
RJUI- <input type="text"/> -06TW	3/8	0.500	1.750	0.875	0.938	1.437	2.250	1.125	#6	5/32	0.188	2.750	0.875	0.039	0.665
RJUI- <input type="text"/> -08TW	1/2	0.687	2.000	1.125	1.250	1.688	2.500	1.375	#6	5/32	0.250	3.500	1.250	0.046	0.931
RJUI- <input type="text"/> -10TW	5/8	0.875	2.500	1.438	1.625	2.125	3.000	1.750	#8	3/16	0.281	4.000	1.500	0.056	1.197
RJUI- <input type="text"/> -12TW	3/4	0.937	2.750	1.563	1.750	2.375	3.500	1.875	#8	3/16	0.313	4.500	1.625	0.056	1.330
RJUI- <input type="text"/> -16TW	1	1.187	3.250	1.938	2.188	2.875	4.500	2.375	#10	7/32	0.375	6.000	2.250	0.068	1.671
RJUI- <input type="text"/> -20TW	1-1/4	1.500	4.000	2.500	2.813	3.500	5.500	3.000	#10	7/32	0.438	7.500	2.625	0.068	2.122
RJUI- <input type="text"/> -24TW	1-1/2	1.750	4.750	2.875	3.250	4.125	6.500	3.500	1/4	9/32	0.500	9.000	3.000	0.086	2.519
RJUI- <input type="text"/> -32TW	2	2.125	6.000	3.625	4.063	5.250	8.250	4.500	3/8	13/32	0.625	10.000	4.000	0.103	3.182

Supplement the part number with one of the following choices.  
Example: RJUI--04TW for a self aligning version

For Straight bearing use 11 (see page 49.12)

For Self-Aligning bearing use 13 (see page 49.13)

For Low Clearance Straight use 31 (see page 49.12)

For Low Clearance Self-Aligning use 33 (see page 49.13)



Online lifetime calculation  
[www.igus.com](http://www.igus.com)

### Load Data

Part No.	Dynamic Load (lbs)	Static Load (lbs)
	P = 725 psi	P = 5075 psi
RJZI- <input type="text"/> -04TW	135	946
RJUI- <input type="text"/> -06TW	118	828
RJUI- <input type="text"/> -08TW	225	1575
RJUI- <input type="text"/> -10TW	338	2365
RJUI- <input type="text"/> -12TW	439	3077
RJUI- <input type="text"/> -16TW	811	5678
RJUI- <input type="text"/> -20TW	1184	8287
RJUI- <input type="text"/> -24TW	1622	11358
RJUI- <input type="text"/> -32TW	2885	20198

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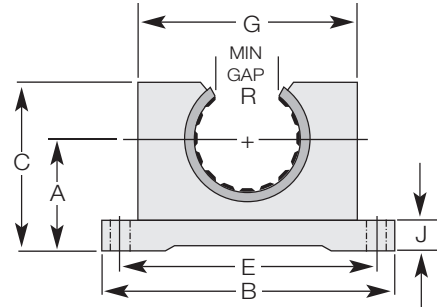
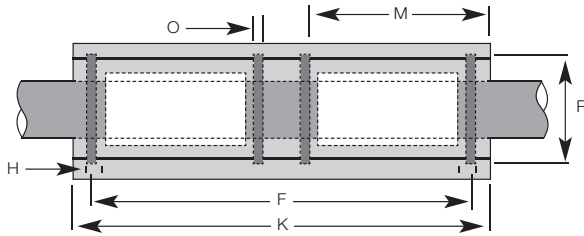
Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>

# DryLin® R Straight Bearing, Open Twin Pillow Block, inch



## Special Properties

- Open, anodized aluminum housing, twin design
- Liner JU10-01 made of iglide® J is contained according to standard tolerances
- Can be fitted with iglide® T500 liner material for temperatures up to 356°F
- Low clearance liners optional
- Dimensionally interchangeable with ball bearings



## OJUI-XX-XXTW, Straight Bearing

Dimensions (inch)

Part No.	Nom. Size	A ±.001	B	C	E ±.010	F ±.010	G	H BOLT HOLE	J	K	M	O	P	R
OJUI-□-08TW	1/2	0.687	2.000	1.125	1.688	2.500	1.375	#6 5/32	0.250	3.500	1.250	0.046	0.931	0.313
OJUI-□-10TW	5/8	0.875	2.500	1.438	2.125	3.000	1.750	#8 3/16	0.281	4.000	1.500	0.056	1.197	0.375
OJUI-□-12TW	3/4	0.937	2.750	1.563	2.375	3.500	1.875	#8 3/16	0.313	4.500	1.625	0.056	1.330	0.438
OJUI-□-16TW	1	1.187	3.250	1.938	2.875	4.500	2.375	#10 7/32	0.375	6.000	2.250	0.068	1.671	0.563
OJUI-□-20TW	1-1/4	1.500	4.000	2.500	3.500	5.500	3.000	#10 7/32	0.438	7.500	2.625	0.068	2.122	0.625
OJUI-□-24TW	1-1/2	1.750	4.750	2.875	4.125	6.500	3.500	1/4 9/32	0.500	9.000	3.000	0.086	2.519	0.750
OJUI-□-32TW	2	2.125	6.000	3.625	5.250	8.250	4.500	3/8 13/32	0.625	10.000	4.000	0.103	3.182	1.000

Supplement the part number with one of the following choices.  
Example: OJUI-**13**-04TW for a self aligning version

For Straight bearing use **11** (see page 49.16)

For Self-Aligning bearing use **13** (see page 49.17)

For Low Clearance Straight use **31** (see page 49.16)

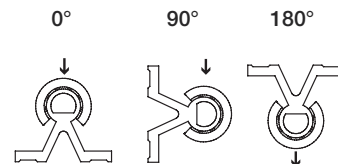
For Low Clearance Self-Aligning use **33** (see page 49.17)



Online lifetime calculation  
[www.igus.com](http://www.igus.com)

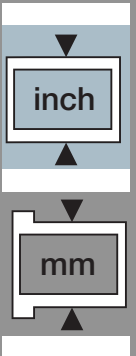
## Load Data

Part No.	pmax. Dynamic Load P = 725 psi			pmax. Static Load P = 5075 psi		
	0°	90°	180°	0°	90°	180°
	OJUI- <b>XX</b> -08TW	226	154	80	1585	1078
OJUI- <b>XX</b> -10TW	340	231	118	2378	1617	832
OJUI- <b>XX</b> -12TW	408	277	143	2854	1942	998
OJUI- <b>XX</b> -16TW	590	400	206	4123	2804	1443
OJUI- <b>XX</b> -20TW	1189	809	416	8323	5659	2912
OJUI- <b>XX</b> -24TW	1631	1109	571	11418	7765	3996
OJUI- <b>XX</b> -32TW	2900	1972	1015	20300	13804	7104



DryLin® R  
Linear Guide Systems

PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)

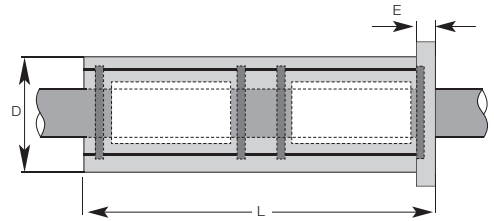
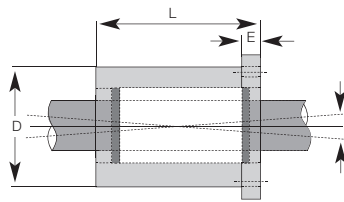
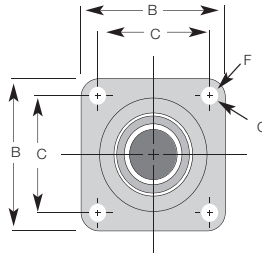




# DryLin® R Flange Pillow Block, inch

## Special Properties

- Flange housing made of anodized aluminum, square flange
- Liner JUI-02 made of iglide® J
- Can be fitted with iglide® T500 liner material for temperatures up to 356°F
- Low clearance liners optional



DryLin® R  
Linear Guide Systems

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## FJUI-XX, Pillow Blocks

### Dimensions (inch)

#### Flange, Square

Part no.	Bearing ID	B	C	D	E	F Bolt Size	G	L
FJUI-□-08	1/2	1.63	1.25	1.25	.250	#8	.187	1.687
FJUI-□-12*	3/4	2.38	1.75	1.75	.375	#10	.219	2.067
FJUI-□-16*	1	2.75	2.125	2.25	.500	1/4	.281	2.812

#### Twin Flange, Square

Part no.	Bearing ID	B	C	D	E	F Bolt Size	G	L
FJUI-□-08TW	1/2	1.63	1.25	1.25	.250	#8	.187	3.375
FJUI-□-12TW	3/4	2.38	1.75	1.75	.375	#10	.219	4.188
FJUI-□-16TW	1	2.75	2.125	2.25	.500	1/4	.281	5.625



Supplement the part number with one of the following choices.

Example: FJUI-13-08TW for a self aligning version

For Straight bearing use 11 (see page 49.12)

For Self-Aligning bearing use 13 (see page 49.13)

For Low Clearance Straight use 31 (see page 49.12)

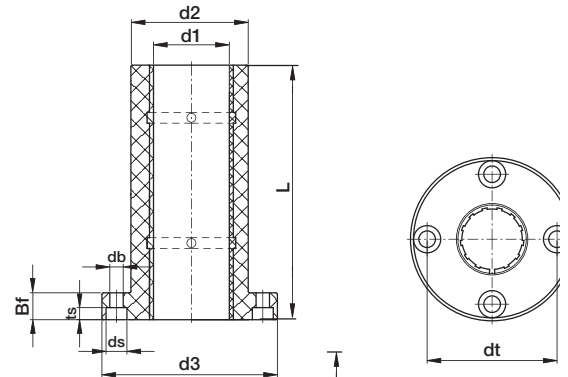
For Low Clearance Self-Aligning use 33 (see page 49.13)

## FJUIT-01-XX, Twin Flange Pillow Block, Round, Low cost



### Special Properties

- Flange housing made of anodized aluminum, round flange
- 2x liner JUI-01 made of iglide® J
- More sizes may be available upon request
- Can be fitted with iglide® T500 liner material for temperatures up to 356°F
- Low clearance liners optional



### Dimensions (inch)

Part No.	d1	d2 ISO h7	d3	dt	L	Bf	ts	db	ds	Bolt Screw size
FJUIT-01-12	3/4	1.260	2.126	1.693	2.72	.433	.203	.219	.343	#10
FJUIT-01-16	1	1.575	2.441	2.000	3.98	.433	.203	.219	.343	#10

Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>

# DryLin® S Aluminum Shaft, inch



## Properties

**Material:** 6061-T6  
**Tolerance:** +0/-0.001"  
**Straightness:** .001"/ft  
**Hardness:** 75 HB  
**Surface:** hard-anodized  
 mil-A-8625 Type III Class I  
 < .002"

**Layer Thickness:** > .0016"  
**Surface Hardness:** 450-550 HV  
 approx. (60 RC)  
**Roughness:** RMS = 4-20  
**Spec. Electr. Resistance:**  $4 \times 10^{11}$  Ohm mm<sup>2</sup>/m  
**Chemical Resistance:** 2 < pH < 9

## Dimensions (inch)

Part No.	Design	Diameter	Max. Length*	Weight (lbs/ft)
AWI-04- L in inches	Solid	.2500	72	.057
AWI-06- L in inches	Solid	.3750	72	.130
AWI-08- L in inches	Solid	.5000	72	.231
AWI-10- L in inches	Solid	.6250	72	.361
AWI-12- L in inches	Solid	.7500	72	.519
AWI-16- L in inches	Solid	1.0000	72	.924
AWI-20- L in inches	Solid	1.2500	72	1.44
AWI-24- L in inches	Solid	1.5000	72	2.08
AWI-32- L in inches	Solid	2.0000	72	3.70



\*Shaft supports available upon request

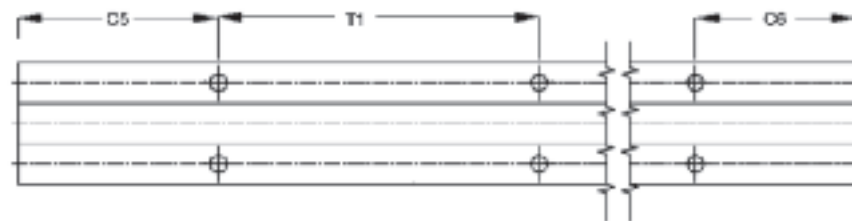
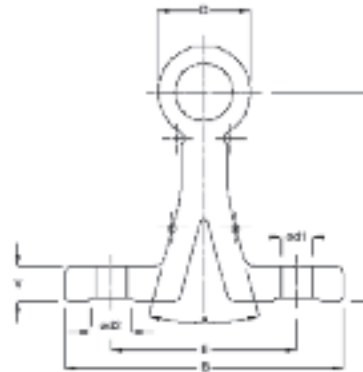
Longer sizes available upon request  
Metric sizes are also available. See Page 49.61

# DryLin® S Supported Aluminum Shaft, AWUI-XX



## Properties

**Material:** 6063-T6  
**Surface:** hard-anodized aluminum  
 mil-A-8625 Type III Class I  
 < .002"



## Dimensions (inch)

Part No.	D	B	H ±0.008	V	d1	d2	(°)	E ±.008	T1 Bore Spacing	C5/C6		Max. Length	Weight (lbs/ft)
										min.	max.		
AWUI-08- L in mm	.500 (-.006)	1.50	1.125	.190	.169	.217	30°	1.000	4.00	1	2.95	144	.6
AWUI-10- L in mm	.625 (.006)	1.62	1.125	.252	.193	.256	30°	1.125	4.00	1	3.95	144	.9
AWUI-12- L in mm	.750 (-.006)	1.75	1.500	.252	.220	.276	30°	1.250	6.00	1	3.95	144	1.2
AWUI-16- L in mm	1.000 (-.006)	2.13	1.750	.252	.280	.335	30°	1.500	6.00	1	3.95	144	1.5
AWUI-24- L in mm	1.500 (-.006)	3.00	2.500	.374	.343	.394	30°	2.250	8.00	1	3.95	144	2.6

Please contact igus for additional sizes  
Order example: AWUI-16-500 corresponds to supported aluminum shaft diameter 1", 500 mm long

Other shaft materials available upon request

DryLin® R  
 Linear Guide Systems

PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
 CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
 RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)



inch  
 mm



# DryLin® R - Liner, mm

## JUM-01, Standard, JUM-02 Short Standard

## JUM-20, Low Clearance, JUM-22 Short Low Clearance

## TUM-01, High Temp

DryLin® R  
Linear Guide Systems

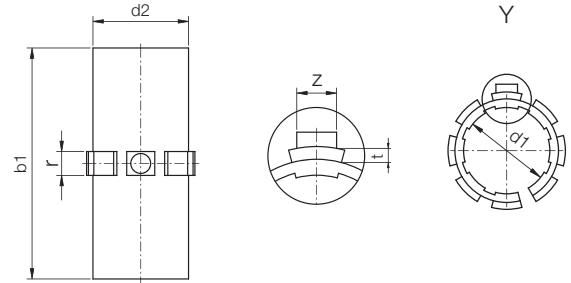
Telephone 1-800-521-2747  
Fax 1-401-438-7270

Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>

49.24

### Special Properties

- Very low coefficients of friction while running dry
- Very high wear resistance
- Maintenance-free
- Vibration dampening
- Very low moisture absorption
- High chemical resistance
- Suitable for rotating, oscillating and linear movements



JUM-01-XX  
JUM-20-XX



JUM-02-XX  
JUM-22-XX

**Material:** iglide® J

**Temp. range:** -40°F to +194°F

**Best Shaft Material:** DryLin® AWI hard anodized aluminum, case hardened steel, 300 series stainless  
Maximum static surface pressure: 5,075 psi (35 MPa)

### Standard Clearance

Part No.		d1	Tolerance*	d2	b1 JUM-01 standard	b1 JUM-02 short	r -0.1 -0.2	t -0.1	z -0.5	Weight (g)
JUM-01-10	JUM-02-10	10	.0300 - .0700	12	29	25	3.0	0.8	2.5	0.98
JUM-01-12	JUM-02-12	12	.0300 - .0700	14	31	27	3.0	0.8	3.0	1.38
JUM-01-16	JUM-02-16	16	.0300 - .0700	18	35	29	3.5	0.8	3.5	1.82
JUM-01-20	JUM-02-20	20	.0300 - .0700	23	44	29	5.0	0.8	3.5	3.25
JUM-01-25	JUM-02-25	25	.0300 - .0700	28	57	39	5.0	0.8	4.0	5.80
JUM-01-30	JUM-02-30	30	.0400 - .0850	34	67	49	5.0	0.8	4.0	11.15
JUM-01-40	JUM-02-40	40	.0400 - .0850	44	79	59	6.0	1.3	5.0	18.01
JUM-01-50	JUM-02-50	50	.0500 - .1000	55	99	69	7.0	1.3	6.0	32.60

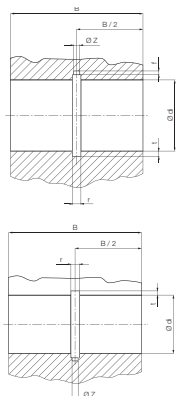
### Low Clearance

JUM-20-10	JUM-22-10	10	.0150 - .0350	12	29	25	3.0	0.8	2.5	0.98
JUM-20-12	JUM-22-12	12	.0150 - .0350	14	31	27	3.0	0.8	3.0	1.38
JUM-20-16	JUM-22-16	16	.0150 - .0350	18	35	29	3.5	0.8	3.5	1.82
JUM-20-20	JUM-22-20	20	.0150 - .0350	23	44	29	5.0	0.8	3.5	3.25
JUM-20-25	JUM-22-25	25	.0150 - .0350	28	57	39	5.0	0.8	4.0	5.80
JUM-20-30	JUM-22-30	30	.0200 - .0425	34	67	49	5.0	0.8	4.0	11.15
JUM-20-40	JUM-22-40	40	.0200 - .0425	44	79	59	6.0	1.3	5.0	18.01
JUM-20-50	JUM-22-50	50	.0250 - .0500	55	99	69	7.0	1.3	6.0	32.60

### Housing Bore for Liner JUM-01, JUM-02, JUM-20, JUM-22)

#### Dimensions (mm)

Part No.	Nominal Size	di H7	B 01/20 Standard h10	B 02/22 Short	r +0.05	t +0.1	f +0.5	z +0.2
JUM-01/JUM-02/JUM-20/JUM-22-10	10	12	29	26	3.0	0.8	1.0	2.6
JUM-01/JUM-02/JUM-20/JUM-22-12	12	14	32	28	3.0	0.8	1.5	3.1
JUM-01/JUM-02/JUM-20/JUM-22-16	16	18	36	30	3.5	0.8	1.7	3.6
JUM-01/JUM-02/JUM-20/JUM-22-20	20	23	45	30	5.0	0.8	2.0	3.6
JUM-01/JUM-02/JUM-20/JUM-22-25	25	28	58	40	5.0	0.8	2.0	4.1
JUM-01/JUM-02/JUM-20/JUM-22-30	30	34	68	50	5.0	0.8	2.0	4.1
JUM-01/JUM-02/JUM-20/JUM-22-40	40	44	80	60	6.0	1.3	2.5	5.1
JUM-01/JUM-02/JUM-20/JUM-22-50	50	55	100	70	7.0	1.3	2.5	6.1





# DryLin® R - Liner, mm

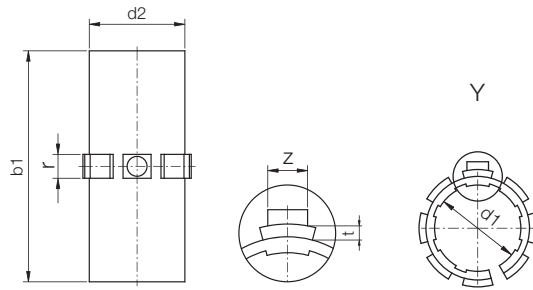
## JUMO-01, Open, Standard

## JUMO-20, Open, Low Clearance



### Special Properties

- Open design for supported shafts
- Very low coefficients of friction while running dry
- Very high wear resistance
- Maintenance-free
- Vibration dampening
- Very low moisture absorption
- High chemical resistance
- Suitable for rotating, oscillating and linear movements
- Recommended housing bore H7
- Maximum static surface pressure: 5,075 psi (35 MPa)



Part No.	d1	Tolerance*	d2	b1	W	r		t	z	Weight (g)
						+0.2	-0.1 -0.2			

### Standard Clearance

JUMO-01-10	10	.0300 - .0700	12	29	7.3	3.0	0.8	2.5	0.8
JUMO-01-12	12	.0300 - .0700	14	31	9.0	3.0	0.8	3.0	1.7
JUMO-01-16	16	.0300 - .0700	18	35	11.6	3.5	0.8	3.5	2.5
JUMO-01-20	20	.0300 - .0700	23	44	12.0	5.0	0.8	3.5	4.2
JUMO-01-25	25	.0300 - .0700	28	57	14.5	5.0	0.8	4.0	5.9
JUMO-01-30	30	.0400 - .0850	34	67	16.6	5.0	0.8	4.0	12.0
JUMO-01-40	40	.0400 - .0850	44	79	21.0	6.0	1.3	5.0	20.0
JUMO-01-50	50	.0500 - .1000	55	99	25.5	7.0	1.3	6.0	36.0

### JUMO-01/20



**Material:** iglide® J  
**Temp. range:** -40°F to +194°F  
**Best Shaft Material:** DryLin® AWI hard anodized aluminum, case hardened steel, 300 series stainless  
 \*\*Call for high temperature options

### Low Clearance

JUMO-20-10	10	.0150 - .0350	12	29	7.3	3.0	0.8	2.5	0.8
JUMO-20-12	12	.0150 - .0350	14	31	9.0	3.0	0.8	3.0	1.7
JUMO-20-16	16	.0150 - .0350	18	35	11.6	3.5	0.8	3.5	2.5
JUMO-20-20	20	.0150 - .0350	23	44	12.0	5.0	0.8	3.5	4.2
JUMO-20-25	25	.0150 - .0350	28	57	14.5	5.0	0.8	4.0	5.9
JUMO-20-30	30	.0200 - .0425	34	67	16.6	5.0	0.8	4.0	12.0
JUMO-20-40	40	.0200 - .0425	44	79	21.0	6.0	1.3	5.0	20.0
JUMO-20-50	50	.0250 - .0500	55	99	25.5	7.0	1.3	6.0	36.0

**Liners of the Series JUMO-01 are used in:**

- ▶ OJUM-01, Page 49.36
- ▶ OJUM-03, Page 49.38
- ▶ OJUM-06, Page 49.46

\* according to igus® testing method ▶ Page 49.57

DryLin® R  
Linear Guide Systems

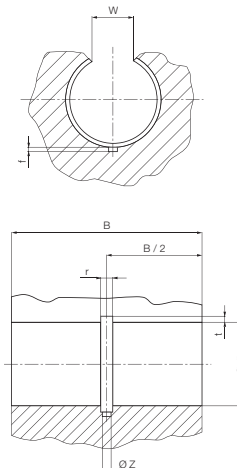
PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
 CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
 RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)



### Installation Drawings

#### Housing Bore, Dimensions (mm)

Part No.	Nominal Size	di H7	B h10	r +0.05	t +0.1	f +0.5	z +0.2	W +0.2
JUMO-01 / JUMO-20-12	12	14	32	3.0	0.8	1.5	3.1	9.0
JUMO-01 / JUMO-20-16	16	18	36	3.5	0.8	1.7	3.6	11.6
JUMO-01 / JUMO-20-20	20	23	45	5.0	0.8	2.0	3.6	12.0
JUMO-01 / JUMO-20-25	25	28	58	5.0	0.8	2.0	4.1	14.5
JUMO-01 / JUMO-20-30	30	34	68	5.0	0.8	2.0	4.1	16.6
JUMO-01 / JUMO-20-40	40	44	80	6.0	1.3	2.5	5.1	21.0
JUMO-01 / JUMO-20-50	50	55	100	7.0	1.3	2.5	6.1	25.5



\* according to igus® testing method ▶ Page 49.57



# DryLin® R Liner TUM-01, mm For High Temperatures

DryLin® R  
Linear Guide Systems

Telephone 1-800-521-2747  
Fax 1-401-438-7270

Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>



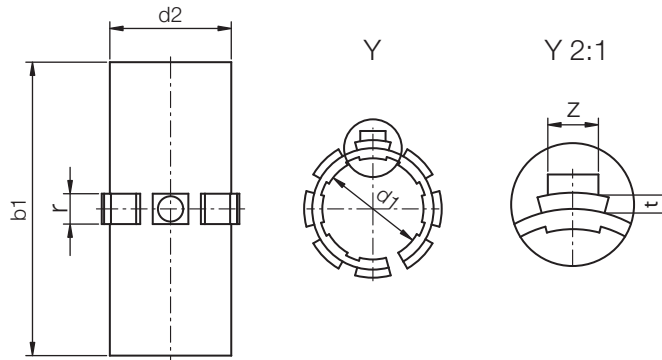
## Special Properties

- Made of iglide® T500 (in two parts)
- Recommended for high temperature applications over 176°F up to 482°F (80°C up to 250°C)
- Recommended for use on stainless steel or hard chromed steel
- High chemical resistance
- Maintenance-free
- Very low moisture absorption
- Available for all adapters and pillow blocks (Ø12 mm - 30 mm)
- Maximum static surface pressure = 21,750 psi (150 MPa)

## Liners of the Series

### JUM-01 are used in:

- ▶ RJUM-01, Page 49.28
- ▶ RJUM-03, Page 49.30
- ▶ RJUM-06, Page 49.43
- ▶ TJUM-01, Page 49.32
- ▶ TJUM-03, Page 49.34
- ▶ FJUM-01, Page 49.49
- ▶ FJUM-02, Page 49.50



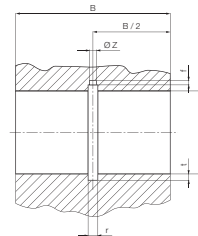
## Dimensions (mm)

Part No.	d1	Tolerance*	d2	b1	r -0.1/-0.2	t -0.1	z -0.5	Weight (oz) -0.2
TUMO-01-10**	10	.0000 - .0700	12	28	3.0	0.8	2.5	0.035
TUM-01-12	12	.0300 - .0700	14	31	3.0	0.8	3.0	0.048
TUM-01-16	16	.0300 - .0700	18	35	3.5	0.8	3.5	0.064
TUM-01-20	20	.0300 - .0700	23	44	5.0	0.8	3.5	0.114
TUM-01-25	25	.0300 - .0700	28	57	5.0	0.8	4.0	0.203
TUM-01-30	30	.0400 - .0850	34	67	5.0	0.8	4.0	0.390

\* according to igus® testing method ▶ Page 49.57

## Housing bore Dimensions (mm)

Part No.	Nominal Size	di H7	B h10	r +0.05	t +0.1	f +0.5	z +0.2
TUMO-01-10**	10	12	29	3.0	1.0	1.0	2.6
TUM-01-12	12	14	32	3.0	1.0	1.5	3.1
TUM-01-16	16	18	36	3.5	1.0	1.7	3.6
TUM-01-20	20	23	45	5.0	1.0	2.0	3.6
TUM-01-25	25	28	58	5.0	1.0	2.0	4.1
TUM-01-30	30	34	68	5.0	1.0	2.0	4.1



\*\* Only available in the open design

Liners of Series TUM-01 can be used in all housings designed for DryLin® R standard series. (Call for assistance)



## Special Properties

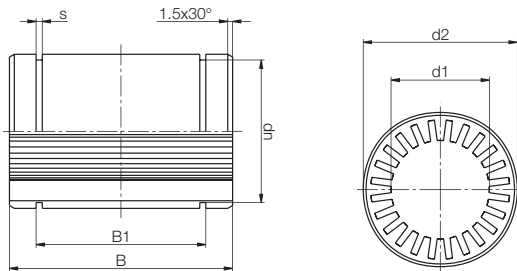


- Plain bearing made of all plastic
- Dimensions corresponds to the standard for recirculating ball bearings
- Recommended housing bore H7
- Secured by retaining clips according to DIN 471 or 472 (not included in delivery)
- Designed as a press-fit part, it will be oversized in free-state

### Liners of the Series

#### RJM-01 are used in:

- ▶ RQA-04, Page 49.53
- ▶ RTA-04, Page 49.54
- ▶ RGA-04, Page 49.55
- ▶ RGAS-04, Page 49.56



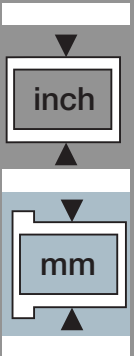
## Dimensions (mm)

Part No.	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
RJM-01-50	50	75	100	77.3	2.65	70.5

\* according to igus® testing method ▶ Page 49.57

## Technical Data

Part No.	Nominal Size	Housing Bore		Tolerance for d1	pmax. Dynamic Load p = 2.5 MPa (N)	pmax. Static Load p = 17.5 MPa (N)	Weight (g)
		Max.	Min.				
RJM-01-08	8	16.018	16.000	.0250 - .0610	250	1750	9
RJM-01-10	10	19.021	19.000	.0320 - .0750	363	2538	14
RJM-01-12	12	22.021	22.000	.0320 - .0750	480	3360	21
RJM-01-16	16	26.021	26.000	.0320 - .0750	720	5040	28
RJM-01-20	20	32.025	32.000	.0400 - .0920	1125	7875	49
RJM-01-25	25	40.025	40.000	.0400 - .0920	1813	12688	108
RJM-01-30	30	47.025	47.000	.0400 - .0920	2550	17850	162
RJM-01-40	40	62.030	62.000	.0500 - .1120	4000	28000	334
RJM-01-50	50	75.030	75.000	.0600 - .1340	6250	43750	579



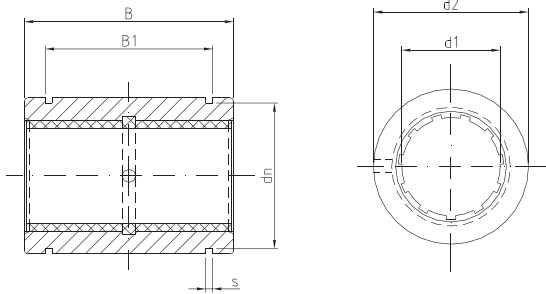


### Special Properties

- Closed, anodized aluminum adapter
- Dimensions equivalent to the standard for recirculating ball bearings
- Equipped with JUM-01 liner made of iglide® J
- Secured by retaining clips according to DIN 471 or 472 (not included in delivery)
- Recommended housing bore H7

### RJUM-01 Bearings are used in:

- RQA-01, Page 49.53
- RTA-01, Page 49.54
- RGA-01, Page 49.55
- RGAS-01, Page 49.56



### Dimensions (mm)

Part No.	d1	d2 h7	B h10	B1	s	dn
RJZM-01-05*	5	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

### Housing Bore Dimensions

Nominal Size	METRIC	
	Min.	Max.
8	16.000	16.018
10	19.000	19.021
12	22.000	22.021
16	26.000	26.021
20	32.000	32.025
25	40.000	40.025
30	47.000	47.025
40	62.000	62.030
50	75.000	75.030

\* nominal width under 10 mm are delivered with pressfit cylindrical plain bearings

\* according to iglus® testing method ➤ Page 49.57

### Load Data

Part No.	Nominal Size	Tolerance** Bearing Inner Diameter	pmax. Dynamic Load	pmax. Static Load	Weight (g)
			P = 5 MPa (N)	P = 35 MPa (N)	
RJZM-01-05*	5	.0250 - .0600	525	3675	5
RJZM-01-08*	8	.0320 - .0700	960	6720	9
RJUM-01-10	10	.0300 - .0880	725	5075	14
RJUM-01-12	12	.0300 - .0880	960	6720	21
RJUM-01-16	16	.0300 - .0880	1440	10080	28
RJUM-01-20	20	.0300 - .0910	2250	15750	49
RJUM-01-25	25	.0300 - .0910	3625	25375	108
RJUM-01-30	30	.0400 - .1100	5100	35700	162
RJUM-01-40	40	.0400 - .1150	8000	56000	334
RJUM-01-50	50	.0500 - .1300	12500	87500	579

# DryLin® R Straight, Low Clearance Linear Bearing RJUM-21, mm

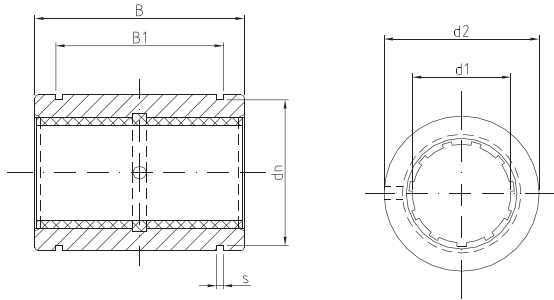


## Special Properties

- Closed, anodized aluminum adapter
- Dimensions equivalent to the standard for recirculating ball bearings
- Equipped with JUM-20 liner made of iglide® J
- Secured by retaining clips according to DIN 471 or 472 (not included in delivery)
- Recommended housing bore H7

### RJUM-21 Bearings are used in:

- ▶ RQA-01, Page 49.53
- ▶ RTA-01, Page 49.54
- ▶ RGA-01, Page 49.55
- ▶ RGAS-01, Page 49.56



## Dimensions (mm)

Part No.	d1	d2 h7	B h10	B1	s	dn
RJUM-21-10	10	19	29	21.6	1.30	17.5
RJUM-21-12	12	22	32	22.6	1.30	20.5
RJUM-21-16	16	26	36	24.6	1.30	24.2
RJUM-21-20	20	32	45	31.2	1.60	29.6
RJUM-21-25	25	40	58	43.7	1.85	36.5
RJUM-21-30	30	47	68	51.7	1.85	43.5
RJUM-21-40	40	62	80	60.3	2.15	57.8
RJUM-21-50	50	75	100	77.3	2.65	70.5

\* nominal width under 10 mm are delivered with pressfit cylindrical plain bearings

\* according to iglus® testing method ▶ Page 49.57

## Load Data

Part No.	Nominal Size	Tolerance** Bearing Inner Diameter	pmax. Dynamic Load	pmax. Static Load	Weight (g)
			P = 5 MPa (N)	P = 35 MPa (N)	
RJUM-21-10	10	.0150 - .0440	725	5075	14
RJUM-21-12	12	.0150 - .0440	960	6720	21
RJUM-21-16	16	.0150 - .0440	1440	10080	28
RJUM-21-20	20	.0150 - .0440	2250	15750	49
RJUM-21-25	25	.0150 - .0440	3625	25375	108
RJUM-21-30	30	.0200 - .0550	5100	35700	162
RJUM-21-40	40	.0200 - .0575	8000	56000	334
RJUM-21-50	50	.0250 - .0650	12500	87500	579

DryLin® R  
Linear Guide Systems

PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)

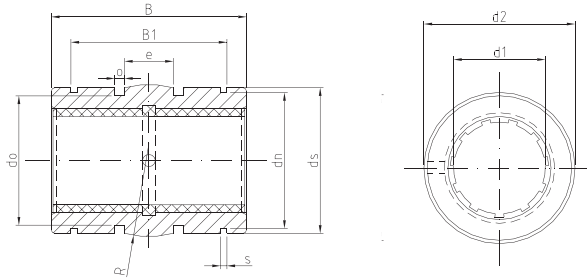




**Special Properties**

- Closed aluminum adapter with
  - reduced outer diameter
  - spherical area on the outer diameter for automatic alignment compensation
  - O-rings for elastic seating
  - hard-anodized
- Equipped with JUM-01 liner made of iglide® J
- Dimensions otherwise equivalent to the standard for recirculating ball bearings
- Secured by retaining clips according to DIN 471 or 472 (not included in delivery)
- Recommended housing bore H7
- O-ring grease recommended for install

**RJUM-03 Bearings are used in:**  
 ▶ RQA-01, Page 49.53  
 ▶ RTA-01, Page 49.54  
 ▶ RGA-01, Page 49.55  
 ▶ RGAS-01, Page 49.56



**Dimensions (mm)**

Part No.	d1	d2	B	B1	s	dn	ds	do	o	e	R
		h8	h10	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	20.0
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

**Housing Bore Dimensions**

Nominal Size	METRIC	
	Min.	Max.
8	16.000	16.018
10	19.000	19.021
12	22.000	22.021
16	26.000	26.021
20	32.000	32.025
25	40.000	40.025
30	47.000	47.025
40	62.000	62.030
50	75.000	75.030

**Load Data**

Part No.	Nominal Size	Housing Bore i.d. h7 (mm)	Tolerance** Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)	pmax. Static Load P = 35 MPa (N)	Weight (g)
RJZM-03-08*	8	16	.0320 - .0700	960	6720	8
RJUM-03-10	10	19	.0300 - .0880	725	5075	11
RJUM-03-12	12	22	.0300 - .0880	960	6720	17
RJUM-03-16	16	26	.0300 - .0880	1440	10080	23
RJUM-03-20	20	32	.0300 - .0910	2250	15750	44
RJUM-03-25	25	40	.0300 - .0910	3625	25375	92
RJUM-03-30	30	47	.0400 - .1100	5100	35700	145
RJUM-03-40	40	62	.0400 - .1150	8000	56000	311
RJUM-03-50	50	75	.0500 - .1300	12500	87500	542

\* nominal width under 10 mm are delivered with pressfit cylindrical plain bearings

\* according to igus® testing method ▶ Page 49.57

# DryLin® R Self-Aligning, Low Clearance Linear Bearing RJUM-23, mm

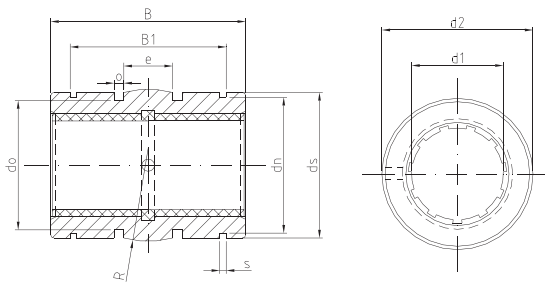


## Special Properties

- Closed aluminum adapter with
  - reduced outer diameter
  - spherical area on the outer diameter for automatic alignment compensation
  - O-rings for elastic seating
  - hard-anodized
- Equipped with JUM-20 liner made of iglide® J
- Dimensions otherwise equivalent to the standard for recirculating ball bearings
- Secured by retaining clips according to DIN 471 or 472 (not included in delivery)
- Recommended housing bore H7
- O-ring grease recommended for install

### RJUM-23 Bearings are used in:

- ▶ RQA-01, Page 49.53
- ▶ RTA-01, Page 49.54
- ▶ RGA-01, Page 49.55
- ▶ RGAS-01, Page 49.56



## Dimensions (mm)

Part No.	d1	d2 h8	B h10	B1 H10	s H10	dn h10	ds h10	do h10	o +0.1	e	R
RJZM-23-08*	8	15.8	24.9	16.4	1.10	15.0	15.5	13.2	1.86	5.0	20.0
RJUM-23-10	10	18.8	28.9	21.8	1.30	17.5	18.5	15.4	1.86	5.0	13.0
RJUM-23-12	12	21.8	31.9	22.8	1.30	20.5	21.5	18.4	1.86	6.0	18.0
RJUM-23-16	16	25.8	35.9	24.9	1.30	24.2	25.5	20.4	2.86	8.0	32.0
RJUM-23-20	20	31.8	44.8	31.5	1.60	29.6	31.5	26.4	2.86	10.0	50.0
RJUM-23-25	25	39.8	57.8	44.1	1.85	36.5	39.5	34.4	2.86	12.5	39.0
RJUM-23-30	30	46.7	67.8	52.1	1.85	43.5	46.0	41.4	2.86	15.0	57.0
RJUM-23-40	40	61.7	79.8	60.9	2.15	57.8	61.0	56.4	2.86	20.0	100.0
RJUM-23-50	50	74.7	99.8	78.0	2.65	70.5	74.0	69.4	2.86	25.0	157.0

## Load Data

Part No.	Nominal Size	Housing Bore i.d. (mm)	Tolerance** Bearing Inner Diameter	pmax.	pmax.	Weight (g)
				Dynamic Load P = 5 MPa (N)	Static Load P = 35 MPa (N)	
RJZM-23-08*	8	16	.0160 - .0350	960	6720	8
RJUM-23-10	10	19	.0150 - .0440	725	5075	11
RJUM-23-12	12	22	.0150 - .0440	960	6720	17
RJUM-23-16	16	26	.0150 - .0440	1440	10080	23
RJUM-23-20	20	32	.0150 - .0455	2250	15750	44
RJUM-23-25	25	40	.0150 - .0455	3625	25375	92
RJUM-23-30	30	47	.0200 - .0550	5100	35700	145
RJUM-23-40	40	62	.0200 - .0575	8000	56000	311
RJUM-23-50	50	75	.0250 - .0650	12500	87500	542

\* nominal width under 10 mm are delivered with pressfit cylindrical plain bearings

\* according to igus® testing method ▶ Page 49.57

DryLin® R  
Linear Guide Systems

PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)





# DryLin® R Straight, Split Linear Bearing TJUM-01, mm

DryLin® R  
Linear Guide Systems

Telephone 1-800-521-2747  
1-401-438-7270  
Fax

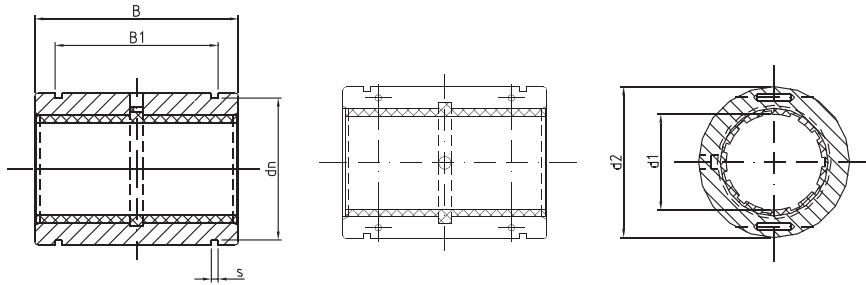
Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>



### Special Properties

- Split, anodized aluminum adapter
- Dimensions equivalent to the standard for recirculating ball bearings
- Equipped with JUM-01 liner made of iglide® J
- Secured by retaining clips according to DIN 471 or 472 (not included in delivery)
- Recommended housing bore H7

TJUM-01 Bearings are used in:  
 ▶ RQA-01, Page 49.53  
 ▶ RTA-01, Page 49.54  
 ▶ RGA-01, Page 49.55  
 ▶ RGAS-01, Page 49.56



### Housing Bore Dimensions

Nominal Size	METRIC	
	Min.	Max.
8	16.000	16.018
10	19.000	19.021
12	22.000	22.021
16	26.000	26.021
20	32.000	32.025
25	40.000	40.025
30	47.000	47.025
40	62.000	62.030
50	75.000	75.030

### Dimensions (mm)

Part No.	d1	d2	Tolerance	B h10	B1 H10	s H10	dn
TJUM-01-10	10	19	-.0200 /-.0400	29	21.6	1.30	17.5
TJUM-01-12	12	22	-.0200 /-.0400	32	22.6	1.30	20.5
TJUM-01-16	16	26	-.0200 /-.0400	36	24.6	1.30	24.2
TJUM-01-20	20	32	-.0200 /-.0450	45	31.2	1.60	29.6
TJUM-01-25	25	40	-.0300 /-.0550	58	43.7	1.85	36.5
TJUM-01-30	30	47	-.0300 /-.0550	68	51.7	1.85	43.5
TJUM-01-40	40	62	-.0300 /-.0600	80	60.3	2.15	57.8
TJUM-01-50	50	75	-.0300 /-.0600	100	77.3	2.65	70.5

### Load Data

Part No.	Nominal Size	Tolerance* Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)	pmax. Static Load P = 35 MPa (N)	Weight (g)
TJUM-01-10	10	.0300 - .0920	725	5075	14
TJUM-01-12	12	.0300 - .0970	960	6720	19
TJUM-01-16	16	.0300 - .0970	1440	10080	27
TJUM-01-20	20	.0300 - .1030	2250	15750	49
TJUM-01-25	25	.0300 - .1030	3625	25375	106
TJUM-01-30	30	.0400 - .1240	5100	35700	166
TJUM-01-40	40	.0400 - .1240	8000	56000	347
TJUM-01-50	50	.0500 - .1460	12500	87500	577

\* according to iglus® testing method ▶ Page 49.57



# DryLin® R Straight, Split, Low Clearance Linear Bearing TJUM-21, mm

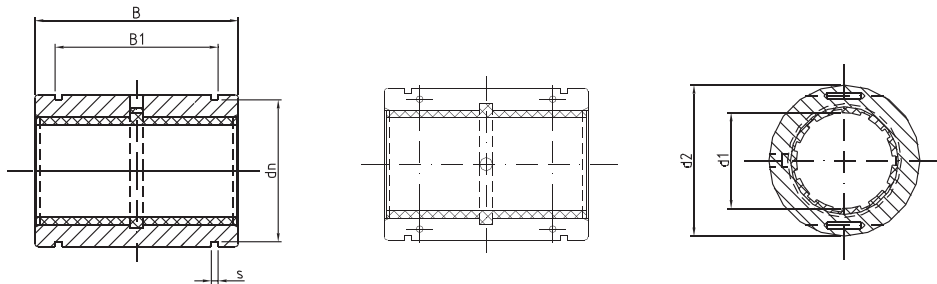


## Special Properties

- Split, anodized aluminum adapter
- Dimensions equivalent to the standard for recirculating ball bearings
- Equipped with JUM-20 liner made of iglide® J
- Secured by retaining clips according to DIN 471 or 472 (not included in delivery)
- Recommended housing bore H7

### TJUM-21 Bearings are used in:

- ▶ RQA-01, Page 49.53
- ▶ RTA-01, Page 49.54
- ▶ RGA-01, Page 49.55
- ▶ RGAS-01, Page 49.56



## Dimensions (mm)

Part No.	d1	d2	Tolerance	B h10	B1 H10	s H10	dn
TJUM-21-10	10	19	-.0200 /-.0400	29	21.6	1.30	17.5
TJUM-21-12	12	22	-.0200 /-.0400	32	22.6	1.30	20.5
TJUM-21-16	16	26	-.0200 /-.0400	36	24.6	1.30	24.2
TJUM-21-20	20	32	-.0200 /-.0450	45	31.2	1.60	29.6
TJUM-21-25	25	40	-.0300 /-.0550	58	43.7	1.85	36.5
TJUM-21-30	30	47	-.0300 /-.0550	68	51.7	1.85	43.5
TJUM-21-40	40	62	-.0300 /-.0600	80	60.3	2.15	57.8
TJUM-21-50	50	75	-.0300 /-.0600	100	77.3	2.65	70.5

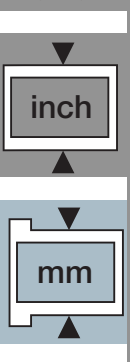
## Load Data

Part No.	Nominal Size	Tolerance* Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)	pmax. Static Load P = 35 MPa (N)	Weight (g)
TJUM-21-10	10	.0150 - .0460	725	5075	14
TJUM-21-12	12	.0150 - .0485	960	6720	19
TJUM-21-16	16	.0150 - .0485	1440	10080	27
TJUM-21-20	20	.0150 - .0515	2250	15750	49
TJUM-21-25	25	.0150 - .0515	3625	25375	106
TJUM-21-30	30	.0200 - .0620	5100	35700	166
TJUM-21-40	40	.0200 - .0620	8000	56000	347
TJUM-21-50	50	.0250 - .0730	12500	87500	577

\* according to igus® testing method ▶ Page 49.57

DryLin® R  
Linear Guide Systems

PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
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# DryLin® R Self-Aligning, Split Linear Bearing TJUM-03, mm

DryLin® R  
Linear Guide Systems

Telephone 1-800-521-2747  
1-401-438-7270  
Fax

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email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>

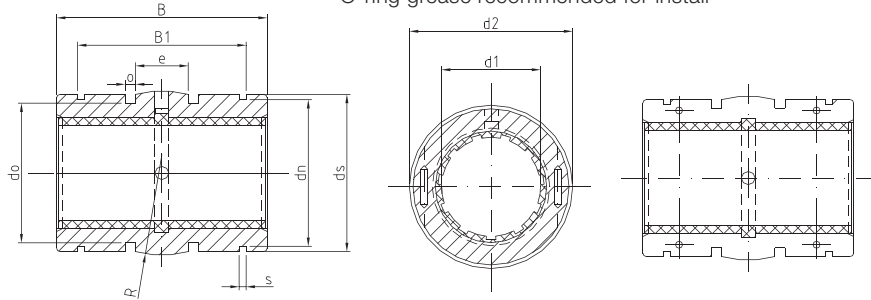


### Special Properties

- Split aluminum adapter with
  - spherical area on the outer diameter for self-alignment purposes
  - O-rings for elastic seating
- Dimensions otherwise equivalent to the standard for recirculating ball bearings
- Equipped with JUM-01 liner made of iglide® J
- Secured by retaining clips according to DIN 471 or 472 (not included in delivery)
- Recommended housing bore H7
- O-ring grease recommended for install

**TJUM-03 Bearings are used in:**

- RQA-01, Page 49.53
- RTA-01, Page 49.54
- RGA-01, Page 49.55
- RGAS-01, Page 49.56



### Housing Bore Dimensions

Nominal Size	METRIC	
	Min.	Max.
8	16.000	16.018
10	19.000	19.021
12	22.000	22.021
16	26.000	26.021
20	32.000	32.025
25	40.000	40.025
30	47.000	47.025
40	62.000	62.030
50	75.000	75.030

### Dimensions (mm)

Part No.	d1	d2	Tolerance	B h10	B1 H10	s H10	dn h10	ds h10	do +0.2	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

### Load Data

Part No.	Nominal Size	Tolerance* Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)	pmax. Static Load P = 35 MPa (N)	Weight (g)
TJUM-03-10	10	.0300 - .0920	725	5075	11
TJUM-03-12	12	.0300 - .0970	960	6720	17
TJUM-03-16	16	.0300 - .0970	1440	10080	23
TJUM-03-20	20	.0300 - .1030	2250	15750	44
TJUM-03-25	25	.0300 - .1030	3625	25375	92
TJUM-03-30	30	.0400 - .1240	5100	35700	145
TJUM-03-40	40	.0400 - .1240	8000	56000	311
TJUM-03-50	50	.0500 - .1460	12500	87500	542

\* according to igus® testing method ➤ Page 49.57

# DryLin® R Self-Aligning, Split, Low Clearance Linear Bearing - TJUM-23, mm

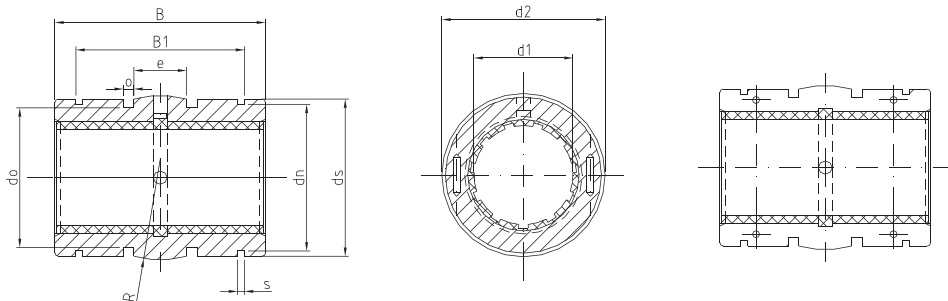


## Special Properties

- Split aluminum adapter with
  - spherical area on the outer diameter for self-alignment purposes
  - O-rings for elastic seating
- Dimensions otherwise equivalent to the standard for recirculating ball bearings
- Equipped with JUM-20 liner made of iglide® J
- Secured by retaining clips according to DIN 471 or 472 (not included in delivery)
- Recommended housing bore H7
- O-ring grease recommended for install

## TJUM-23 Bearings are used in:

- ▶ RQA-01, Page 49.53
- ▶ RTA-01, Page 49.54
- ▶ RGA-01, Page 49.55
- ▶ RGAS-01, Page 49.56



## Dimensions (mm)

Part No.	d1	d2 - Tolerance	B h10	B1 H10	s H10	dn h10	ds h10	do +0.2	o 0.4	e	R
TJUM-23-10	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-23-12	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-23-16	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-23-20	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-23-25	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-23-30	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-23-40	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-23-50	50	75 -0.030-0.060	99.8	78.0	2.65	70.5	74.0	69.4	2.86	25.0	157.0

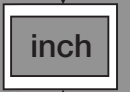
## Load Data

Part No.	Nominal Size	Tolerance* Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)	pmax. Static Load P = 35 MPa (N)	Weight (g)
TJUM-23-10	10	.0150 - .0460	725	5075	11
TJUM-23-12	12	.0150 - .0485	960	6720	17
TJUM-23-16	16	.0150 - .0485	1440	10080	23
TJUM-23-20	20	.0150 - .0515	2250	15750	44
TJUM-23-25	25	.0150 - .0515	3625	25375	92
TJUM-23-30	30	.0200 - .0620	5100	35700	145
TJUM-23-40	40	.0200 - .0620	8000	56000	311
TJUM-23-50	50	.0250 - .0730	12500	87500	542

\* according to iglus® testing method ▶ Page 49.57

DryLin® R  
Linear Guide Systems

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CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)





# DryLin® R Straight, Open Linear Bearing - OJUM-01, mm

DryLin® R  
Linear Guide Systems

Telephone 1-800-521-2747  
1-401-438-7270  
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email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>

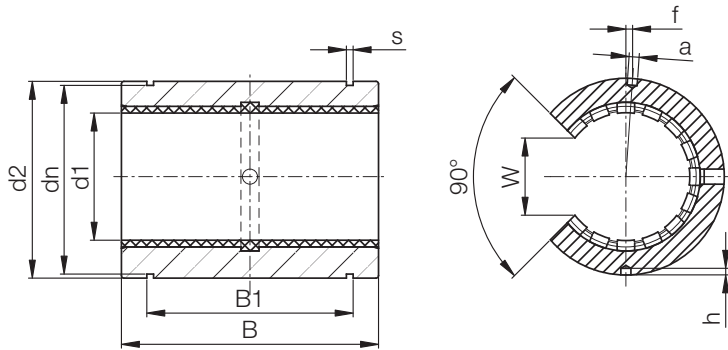


### Special Properties

- Open, anodized aluminum adapter for supported shafts
- Dimensions equivalent to the standard for recirculating ball bearings
- Equipped with JUMO liner made of iglide® J
- Recommended housing bore H7
- Secure the bearing with set screws (not included in the delivery)

### OJUM-01 Bearings are used in:

- OQA-01, Page 49.53
- OTA-01, Page 49.54
- OGA-01, Page 49.55
- OGAS-01, Page 49.56

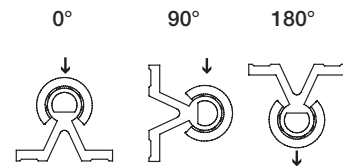


### Housing Bore Dimensions

Nominal Size	METRIC	
	Min.	Max.
8	16.000	16.018
10	19.000	19.021
12	22.000	22.021
16	26.000	26.021
20	32.000	32.025
25	40.000	40.025
30	47.000	47.025
40	62.000	62.030
50	75.000	75.030

### Dimensions (mm)

Part No.	d1	d2	B	W	a	dn	B1	s	f	h
		h7	h10		+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



### Load Data

Part No.	Nominal Size	Tolerance* Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)			pmax. Static Load P = 35 MPa (N)			Weight (g)
			0°	90°	180°	0°	90°	180°	
			OJUM-01-10	10	.0300 - .0880	725	500	196	
OJUM-01-12	12	.0300 - .0880	960	635	240	6720	4445	1680	15
OJUM-01-16	16	.0300 - .0880	1440	990	396	10080	6943	2772	21
OJUM-01-20	20	.0300 - .0910	2250	1800	900	15750	12600	6300	42
OJUM-01-25	25	.0300 - .0910	3625	2953	1523	25375	20670	10658	70
OJUM-01-30	30	.0400 - .1100	5100	4250	2278	35700	29735	15946	132
OJUM-01-40	40	.0400 - .1150	8000	6810	3800	56000	47660	26660	278
OJUM-01-50	50	.0500 - .1300	12500	10750	6125	87500	75265	42875	479

# DryLin® R Straight, Open, Low Clearance Linear Bearing - OJUM-21, mm

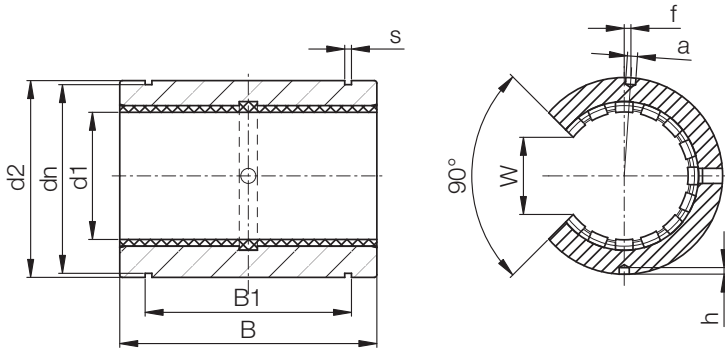


## Special Properties

- Open, anodized aluminum adapter for supported shafts
- Dimensions equivalent to the standard for recirculating ball bearings
- Equipped with JUMO-20 liner made of iglide® J
- Recommended housing bore H7
- Secured the bearing with set screws (not included in the delivery)

## OJUM-21 Bearings are used in:

- ▶ OQA-01, Page 49.53
- ▶ OTA-01, Page 49.54
- ▶ OGA-01, Page 49.55
- ▶ OGAS-01, Page 49.56

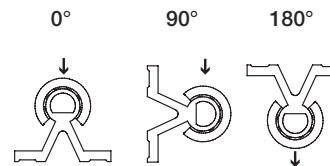


## Dimensions (mm)

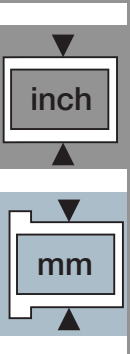
Part No.	d1	d2 h7	B h10	W	a +0.1	dn h10	B1 H10	s H10	f ±0.2	h -0.5
OJUM-21-10	10	19	29	7.3	0.0	17.5	21.6	1.30	0	1.2
OJUM-21-12	12	22	32	9.0	3.0	20.5	22.6	1.30	1.33 (7°)	1.2
OJUM-21-16	16	26	36	11.6	2.2	24.2	24.6	1.30	0	1.2
OJUM-21-20	20	32	45	12.0	2.2	29.6	31.2	1.60	0	1.2
OJUM-21-25	25	40	58	14.5	3.0	36.5	43.7	1.85	-1.5 (-4.3°)	1.5
OJUM-21-30	30	47	68	16.6	3.0	43.5	51.7	1.85	2 (4.9°)	2.0
OJUM-21-40	40	62	80	21.0	3.0	57.8	60.3	2.15	1.5 (2.8°)	2.0
OJUM-21-50	50	75	100	25.5	5.0	70.5	77.3	2.65	2.5 (3.8°)	2.0

## Load Data

Part No.	Nominal Size	Tolerance* Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)			pmax. Static Load P = 35 MPa (N)			Weight (g)
			0°	90°	180°	0°	90°	180°	
OJUM-21-10	10	.0150 - .0440	725	500	196	5075	3500	1370	11
OJUM-21-12	12	.0150 - .0440	960	635	240	6720	4445	1680	15
OJUM-21-16	16	.0150 - .0440	1440	990	396	10080	6943	2772	21
OJUM-21-20	20	.0150 - .0455	2250	1800	900	15750	12600	6300	42
OJUM-21-25	25	.0150 - .0455	3625	2953	1523	25375	20670	10658	70
OJUM-21-30	30	.0200 - .0550	5100	4250	2278	35700	29735	15946	132
OJUM-21-40	40	.0200 - .0575	8000	6810	3800	56000	47660	26660	278
OJUM-21-50	50	.0250 - .0650	12500	10750	6125	87500	75265	42875	479



\* according to iglus® testing method ▶ Page 49.57





# DryLin® R Self Aligning, Open Linear Bearing - OJUM-03, mm

DryLin® R  
Linear Guide Systems

Telephone 1-800-521-2747  
1-401-438-7270  
Fax

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email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>

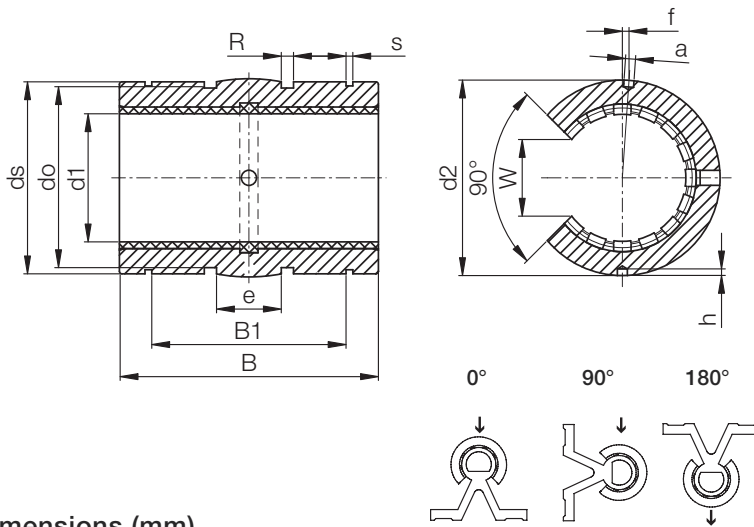


### Special Properties

- Open, aluminum adapter with
  - reduced outer diameter
  - spherical area on the outer diameter for automatic alignment compensation
  - O-rings for elastic seating
  - hard-anodized
- Dimensions correspond to the standard for recirculating ball bearings
- Equipped with JUMO liner made of iglide® J
- Recommended housing bore H7
- Attachment by mounting bolts (not included in delivery)

### OJUM-03 Bearings are used in:

- OQA-01, Page 49.53
- OTA-01, Page 49.54
- OGA-01, Page 49.55
- OGAS-01, Page 49.56



### Housing Bore Dimensions

Nominal Size	METRIC	
	Min.	Max.
8	16.000	16.018
10	19.000	19.021
12	22.000	22.021
16	26.000	26.021
20	32.000	32.025
25	40.000	40.025
30	47.000	47.025
40	62.000	62.030
50	75.000	75.030

### Dimensions (mm)

Part No.	$d_2$ h7	$d_s$ h10	$e$	$o$ +0.1	$d_o$ h10	$B_1$ H10	$s$ H10	$B$ h10	$R$	$W$	$a$ +0.1	$f$ $\pm 0.2$	$h$ -0.5	$a$
OJUM-03-10	18.8	18.5	5.0	1.86	15.4	21.8	1.30	28.9	13.0	7.3	0.0	0	1.2	10
OJUM-03-12	21.8	21.5	6.0	1.86	18.4	22.8	1.30	31.9	18.0	9.0	3.0	1.33 (7°)	1.2	12
OJUM-03-16	25.8	25.5	8.0	2.86	20.4	24.9	1.30	35.9	32.0	11.6	2.2	0	1.2	16
OJUM-03-20	31.8	31.5	10.0	2.86	26.4	31.5	1.60	44.8	50.0	12.0	2.2	0	1.2	20
OJUM-03-25	39.8	39.0	12.5	2.86	34.4	44.1	1.85	57.8	39.0	14.5	3.0	-1.5 (-4.3°)	1.5	25
OJUM-03-30	46.7	46.0	15.0	2.86	41.4	52.1	1.85	67.8	57.0	16.6	3.0	2 (4.9°)	2	30
OJUM-03-40	61.7	61.0	20.0	2.86	56.4	60.9	2.15	79.8	100.0	21.0	3.0	1.5 (2.8°)	2	40
OJUM-03-50	74.7	74.0	25.0	2.86	69.4	78.0	2.65	99.8	157.0	25.5	5.0	2.5 (3.8°)	2	50

### Load Data

Part No.	Nominal Size	Housing bore	Tolerance* Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)			pmax. Static Load P = 35 MPa (N)			Weight (g)
				0°	90°	180°	0°	90°	180°	
				OJUM-03-10	10	19	.0300 - .0880	725	500	
OJUM-03-12	12	22	.0300 - .0880	960	635	240	6720	4445	1680	13
OJUM-03-16	16	26	.0300 - .0880	1440	990	396	10080	6943	2772	19
OJUM-03-20	20	32	.0300 - .0910	2250	1800	900	15750	12600	6300	38
OJUM-03-25	25	40	.0300 - .0910	3625	2953	1523	25375	20670	10658	63
OJUM-03-30	30	47	.0400 - .1100	5100	4250	2278	35700	29735	15946	119
OJUM-03-40	40	62	.0400 - .1150	8000	6810	3800	56000	47660	26660	250
OJUM-03-50	50	75	.0500 - .1300	12500	10750	6125	87500	75265	42875	431

\* according to iglus® testing method ➤ Page 49.57

# DryLin® R Self Aligning, Open, Low Clearance Linear Bearing - OJUM-23, mm

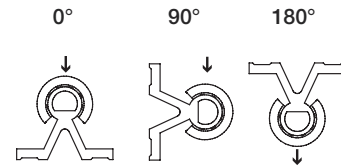
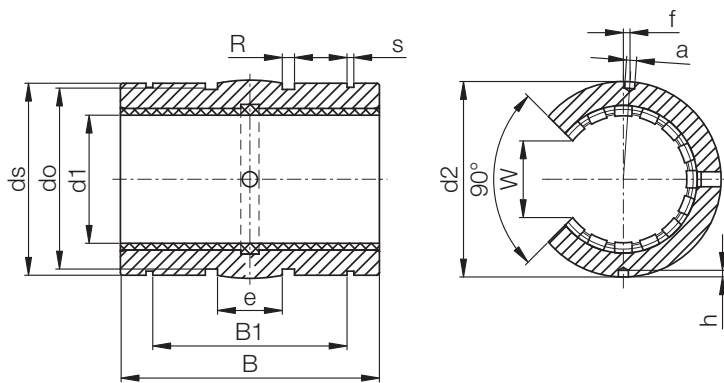


## Special Properties

- Open, aluminum adapter with
  - reduced outer diameter
  - spherical area on the outer diameter for automatic alignment compensation
  - O-rings for elastic seating
  - hard-anodized
- Dimensions correspond to the standard for recirculating ball bearings
- Equipped with JUMO-20 liner made of iglide® J
- Recommended housing bore H7
- O-ring grease recommended for install
- Attachment by mounting bolts (not included in delivery)

### OJUM-23 Bearings are used in:

- OQA-01, Page 49.55
- OTA-01, Page 49.56
- OGA-01, Page 49.57
- OGAS-01, Page 49.58



## Dimensions (mm)

Part No.	d2 h7	ds h10	e	o +0.1	do h10	B1 H10	s H10	B h10	R	W	a +0.1	f ±0.2	h -0.5	a
OJUM-23-10	18.8	18.5	5.0	1.86	15.4	21.8	1.30	28.9	13.0	7.3	0.0	0	1.2	10
OJUM-23-12	21.8	21.5	6.0	1.86	18.4	22.8	1.30	31.9	18.0	9.0	3.0	1.33 (7°)	1.2	12
OJUM-23-16	25.8	25.5	8.0	2.86	20.4	24.9	1.30	35.9	32.0	11.6	2.2	0	1.2	16
OJUM-23-20	31.8	31.5	10.0	2.86	26.4	31.5	1.60	44.8	50.0	12.0	2.2	0	1.2	20
OJUM-23-25	39.8	39.0	12.5	2.86	34.4	44.1	1.85	57.8	39.0	14.5	3.0	-1.5 (-4.3°)	1.5	25
OJUM-23-30	46.7	46.0	15.0	2.86	41.4	52.1	1.85	67.8	57.0	16.6	3.0	2 (4.9°)	2	30
OJUM-23-40	61.7	61.0	20.0	2.86	56.4	60.9	2.15	79.8	100.0	21.0	3.0	1.5 (2.8°)	2	40
OJUM-23-50	74.7	74.0	25.0	2.86	69.4	78.0	2.65	99.8	157.0	25.5	5.0	2.5 (3.8°)	2	50

## Load Data

Part No.	Nominal Size	Housing bore	Tolerance* Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)			pmax. Static Load P = 35 MPa (N)			Weight (g)
				0°	90°	180°	0°	90°	180°	
				OJUM-23-10	10	19	.0150 - .0440	725	500	
OJUM-23-12	12	22	.0150 - .0440	960	635	240	6720	4445	1680	13
OJUM-23-16	16	26	.0150 - .0440	1440	990	396	10080	6943	2772	19
OJUM-23-20	20	32	.0150 - .0455	2250	1800	900	15750	12600	6300	38
OJUM-23-25	25	40	.0150 - .0455	3625	2953	1523	25375	20670	10658	63
OJUM-23-30	30	47	.0200 - .0550	5100	4250	2278	35700	29735	15946	119
OJUM-23-40	40	62	.0200 - .0575	8000	6810	3800	56000	47660	26660	250
OJUM-23-50	50	75	.0250 - .0650	12500	10750	6125	87500	75265	42875	431

\* according to iglus® testing method ➤ Page 49.57

DryLin® R  
Linear Guide Systems

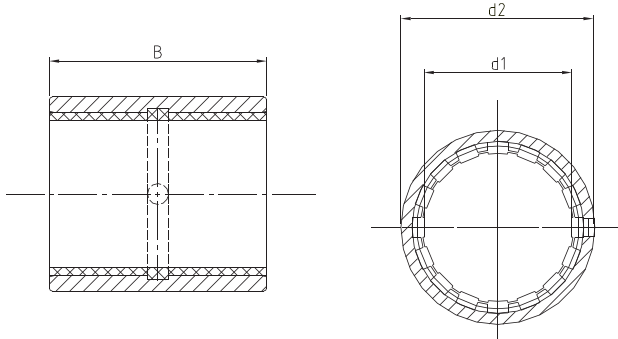
PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)





### Special Properties

- Closed, anodized aluminum adapter
- Dimensions equivalent to the standard for recirculating ball bearings
- Equipped with JUM-02 liner made of iglide® J
- Secured by pressfit in a recommended housing bore
- Recommended housing bore H7 for steel housings or K7 for aluminum



## RJUM-02, Standard Clearance

Dimensions (mm)

Part No.	Nominal Size	Housing Bore i.d. h7	Tolerance** Bearing i.d.		pmax. Dynamic Load P = 5 MPa (N)	pmax. Static Load P = 35 MPa (N)	Weight (g)	d1	d2 k7	B h10
			Min.	Max.						
RJZM-02-08*	8	15	.0320	-.0700	650	4550	6	8	15	24
RJUM-02-10	10	17	.0300	-.0880	650	4550	8	10	17	26
RJUM-02-12	12	19	.0300	-.0880	840	5880	10	12	19	28
RJUM-02-16	16	24	.0300	-.0880	1200	8400	17	16	24	30
RJUM-02-20	20	28	.0300	-.0910	1500	10500	18	20	28	30
RJUM-02-25	25	35	.0300	-.0910	2500	17500	42	25	35	40
RJUM-02-30	30	40	.0400	-.1100	3750	26250	56	30	40	50
RJUM-02-40	40	52	.0400	-.1150	6000	42000	113	40	52	60
RJUM-02-50	50	60	.0500	-.1300	8750	61250	147	50	60	70

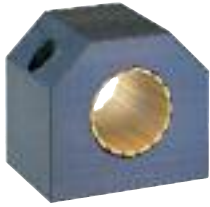
## RJUM-22, Low Clearance

Dimensions (mm)

Part No.	Nominal Size	Housing Bore i.d.	Tolerance** Bearing i.d.		pmax. Dynamic Load P = 5 MPa (N)	pmax. Static Load P = 35 MPa (N)	Weight (g)	d1	d2 k7	B h10
			Min.	Max.						
RJZM-22-08*	8	15	.0160	-.0350	215	1510	6	8	15	24
RJUM-22-10	10	17	.0150	-.0440	146	1022	8	10	17	26
RJUM-22-12	12	19	.0150	-.0440	188	1321	10	12	19	28
RJUM-22-16	16	24	.0150	-.0440	269	1888	17	16	24	30
RJUM-22-20	20	28	.0150	-.0455	337	2360	18	20	28	30
RJUM-22-25	25	35	.0150	-.0455	562	3934	42	25	35	40
RJUM-22-30	30	40	.0200	-.0550	843	5901	56	30	40	50
RJUM-22-40	40	52	.0200	-.0575	1348	9441	113	40	52	60
RJUM-22-50	50	60	.0250	-.0650	1967	13769	147	50	60	70

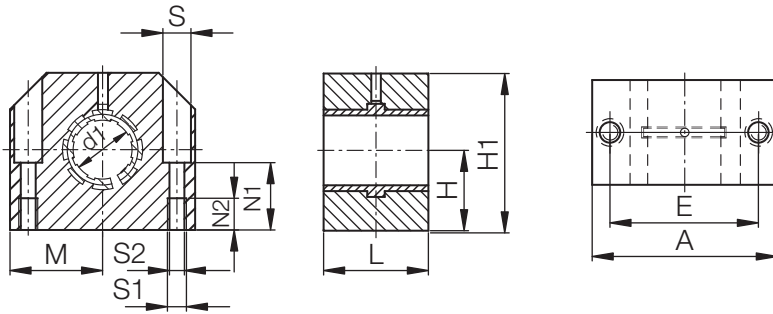


# DryLin® R Closed Pillow Block, Short Design Linear Bearing RJUM-05, mm



## Special Properties

- Closed, anodized aluminum housing, short design
- Contains JUM-02-XX liner



## Dimensions (mm)

Part No.	d1	H +0.01 -0.014	H1	A	M	E ±0.15	S	S1	S2	N1	N2	L
RJUM- <input type="text"/> -10	10	16	33	40	20.0	29	8.0	M 5	4.3	16	11	26
RJUM- <input type="text"/> -12	12	17	33	40	20.0	29	8.0	M 5	4.3	16	11	28
RJUM- <input type="text"/> -16	16	19	38	45	22.5	34	8.0	M 5	4.3	18	11	30
RJUM- <input type="text"/> -20	20	23	45	53	26.5	40	9.5	M 6	5.3	22	13	30
RJUM- <input type="text"/> -25	25	27	54	62	31.0	48	11.0	M 8	6.6	26	18	40
RJUM- <input type="text"/> -30	30	30	60	67	33.5	53	11.0	M 8	6.6	29	18	50
RJUM- <input type="text"/> -40	40	39	76	87	43.5	69	15.0	M10	8.4	38	22	60
RJUM- <input type="text"/> -50	50	47	92	103	51.5	82	18.0	M12	10.5	46	26	70

Supplement the part number with one of the following choices.  
Example: RJUM--10 for a standard version

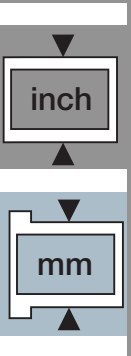
For Standard version use  (See page 27.24)

For Low Clearance version use  (See page 27.24)

## Load Data

Part No.	Nominal Size	Tolerance* Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)	pmax. Static Load P = 35 MPa (N)	Weight (g)
RJUM- <input type="text"/> -10	10	.0300 - .0880	650	4550	71
RJUM- <input type="text"/> -12	12	.0300 - .0880	840	5880	78
RJUM- <input type="text"/> -16	16	.0300 - .0880	1200	8400	106
RJUM- <input type="text"/> -20	20	.0300 - .0910	1500	10500	132
RJUM- <input type="text"/> -25	25	.0300 - .0910	2500	17500	253
RJUM- <input type="text"/> -30	30	.0400 - .1100	3750	26250	374
RJUM- <input type="text"/> -40	40	.0400 - .1150	6000	42000	713
RJUM- <input type="text"/> -50	50	.0500 - .1300	8750	61250	1.168

\* according to iglus® testing method ▶ Page 49.57



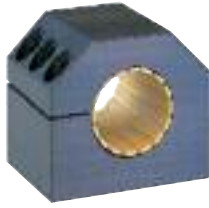


# DryLin® R Adjustable Pillow Block, Short Design Linear Bearing RJUME-05, mm

DryLin® R  
Linear Guide Systems

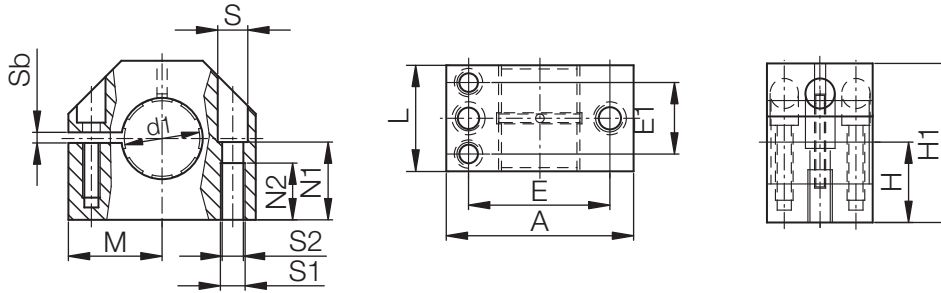
Telephone 1-800-521-2747  
Fax 1-401-438-7270

Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>



### Special Properties

- Adjustable, anodized aluminum housing, short design
- Contains JUM-02-XX liner
- With adjustable clearance for shaft dimensions 12 to 40 mm



### Dimensions (mm)

Part No.	d1	H +0.01 -0.014	H1	A	M	E ±0.15	E1 ±0.15	S	S1	S2	Sb	N1	N2	L
RJUME- <input type="text"/> -12	12	17	33	40	20.0	29	18.0	8.0	4.3	M 5	2	16	11	28
RJUME- <input type="text"/> -16	16	19	38	45	22.5	34	19.0	8.0	4.3	M 5	2	18	11	30
RJUME- <input type="text"/> -20	20	23	45	53	26.5	40	20.0	9.5	5.3	M 6	2	22	13	30
RJUME- <input type="text"/> -25	25	27	54	62	31.0	48	25.5	11.0	6.6	M 8	2	26	18	40
RJUME- <input type="text"/> -30	30	30	60	67	33.5	53	30.5	11.0	6.6	M 8	2	29	18	50
RJUME- <input type="text"/> -40	40	39	76	87	43.5	69	36.0	15.0	8.4	M10	2	38	22	60

Supplement the part number with one of the following choices.

Example: RJUME--12 for a standard version

For Standard version use  (See page 27.24)

For Low Clearance version use  (See page 27.24)

### Load Data

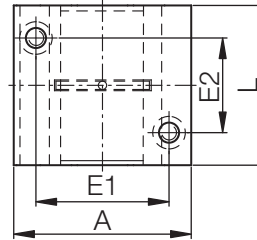
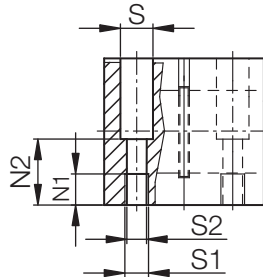
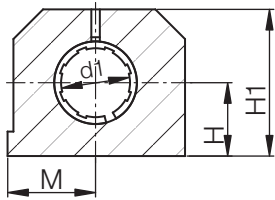
Part No.	Nominal Size	Tolerance Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)	pmax. Static Load P = 35 MPa (N)	Weight (g)
RJUME- <input type="text"/> -12	12	adjustable	840	5880	78
RJUME- <input type="text"/> -16	16	adjustable	1200	8400	106
RJUME- <input type="text"/> -20	20	adjustable	1500	10500	132
RJUME- <input type="text"/> -25	25	adjustable	2500	17500	253
RJUME- <input type="text"/> -30	30	adjustable	3750	26250	374
RJUME- <input type="text"/> -40	40	adjustable	6000	42000	713

# DryLin® R Closed Pillow Block, Long Design Linear Bearing RJUM-06, mm



## Special Properties

- Closed, anodized aluminum housing, long design
- Contains JUM-01-XX liner



## Dimensions (mm)

Part No.	d1	H +0.01 -0.014	H1	A	M	E1 ±0.15	E2 ±0.15	S	S1	S2	N1	N2	L
RJUM- <input type="text"/> -12	12	18	35	43	21.5	32	23	8.0	M 5	4.3	16.5	11	39
RJUM- <input type="text"/> -16	16	22	42	53	26.5	40	26	10.0	M 6	5.3	21.0	13	43
RJUM- <input type="text"/> -20	20	25	50	60	30.0	45	32	11.0	M 8	6.6	24.0	18	54
RJUM- <input type="text"/> -25	25	30	60	78	39.0	60	40	15.0	M10	8.4	29.0	22	67
RJUM- <input type="text"/> -30	30	35	70	87	43.5	68	45	15.0	M10	8.4	34.0	22	79
RJUM- <input type="text"/> -40	40	45	90	108	54.0	86	58	18.0	M12	10.5	44.0	26	91
RJUM- <input type="text"/> -50	50	50	105	132	66.0	108	50	20.0	M16	13.5	49.0	34	113

Supplement the part number with one of the following choices.  
Example: RJUM--12 for a standard version

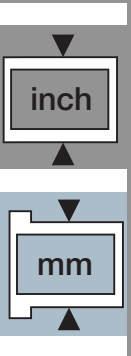
For Standard version use  (See page 27.24)

For Low Clearance version use  (See page 27.24)

## Load Data

Part No.	Nominal Size	Tolerance* Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)	pmax. Static Load P = 35 MPa (N)	Weight (kg)
RJUM- <input type="text"/> -12	12	.0300 - .0880	960	6720	0.121
RJUM- <input type="text"/> -16	16	.0300 - .0880	1440	10080	0.211
RJUM- <input type="text"/> -20	20	.0300 - .0910	2250	15750	0.323
RJUM- <input type="text"/> -25	25	.0300 - .0910	3625	25375	0.651
RJUM- <input type="text"/> -30	30	.0400 - .1100	5100	35700	1.050
RJUM- <input type="text"/> -40	40	.0400 - .1150	8000	56000	1.820
RJUM- <input type="text"/> -50	50	.0500 - .1300	12500	87500	3.250

\* according to iglus® testing method ➤ Page 49.57





# DryLin® R Floating Pillow Block RJUM-06 LL, mm

DryLin® R  
Linear Guide Systems

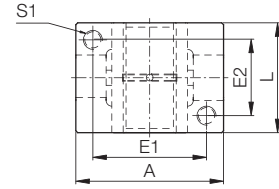
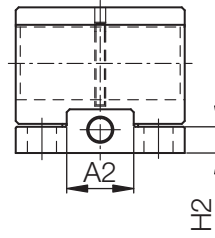
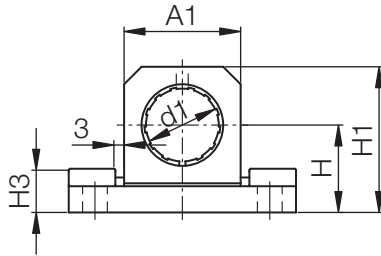
Telephone 1-800-521-2747  
Fax 1-401-438-7270

Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>



### Special Properties

- For extreme misalignments
- Closed, anodized aluminum housing, long design
- Contains JUM-01-XX liner
- Compensation of angle errors +/- 3.5°
- Same properties as standard pillow block
- Compensation of parallelism errors up to 6mm
- Compensates for angular errors and bending of the shaft



### Dimensions (mm)

Part No.	d1	H	H1	A	E1 ±0.15	E2 ±0.15	S1	L	A1	A2	H2	H3
RJUM- <input type="text"/> -12 LL	12	18	28	43	32	23	M 5	39	20	13	6	11
RJUM- <input type="text"/> -16 LL	16	22	35	53	40	26	M 6	43	26	15	7	11
RJUM- <input type="text"/> -20 LL	20	25	41	60	45	32	M 8	54	32	19	7	12.5
RJUM- <input type="text"/> -25 LL	25	30	50	78	60	40	M 10	67	40	23	9	15
RJUM- <input type="text"/> -30 LL	30	35	59	87	68	45	M 10	79	48	28	10	15

Supplement the part number with one of the following choices.  
Example: RJUM--12 LL for a standard floating version

For Standard floating version use  (See page 27.24)

For Low Clearance floating version use  (See page 27.24)

### Load Data

Part No.	Nominal Size	Tolerance* Bearing Inner Diameter	pmax. (N)	Weight (kg)
RJUM- <input type="text"/> -12 LL	12	.0300 - .0880	560	0.050
RJUM- <input type="text"/> -16 LL	16	.0300 - .0880	920	0.080
RJUM- <input type="text"/> -20 LL	20	.0300 - .0910	2100	0.130
RJUM- <input type="text"/> -25 LL	25	.0300 - .0910	3550	0.280
RJUM- <input type="text"/> -30 LL	30	.0400 - .1100	5300	0.430

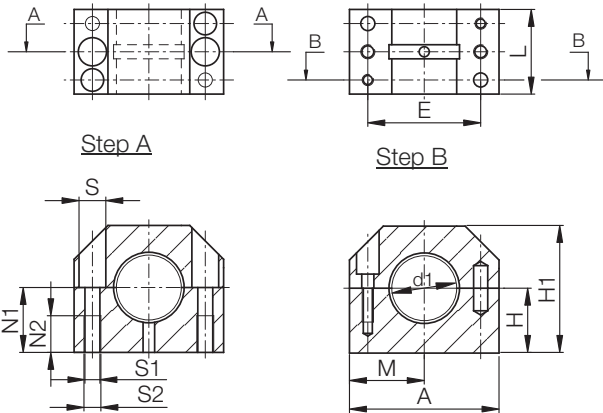
\* according to iglus® testing method ▶ Page 49.57

# DryLin® R Split Pillow Block TJUM-05, mm



## Special Properties

- Split, anodized aluminum housing, bolted
- Contains JUM-02-XX liner
- Replacement of the liner without disassembling the shaft



## Dimensions (mm)

Part No.	d1	H ±0.02	H1	A	M	E ±0.15	S	S1	S2	N1	N2	L
TJUM- <input type="text"/> -16	16	19	38	45	22.5	34	8.0	M 5	4.3	18	11	30
TJUM- <input type="text"/> -20	20	23	45	53	26.5	40	9.5	M 6	5.3	22	13	30
TJUM- <input type="text"/> -25	25	27	54	62	31.0	48	11.0	M 8	6.6	26	18	40
TJUM- <input type="text"/> -30	30	30	60	67	33.5	53	11.0	M 8	6.6	29	18	50
TJUM- <input type="text"/> -40	40	39	76	87	43.5	69	15.0	M10	8.4	38	22	60

Supplement the part number with one of the following choices.  
Example: TJUM-05-16 for a standard version

For Standard version use 05 (See page 27.24)

For Low Clearance version use 35 (See page 27.24)

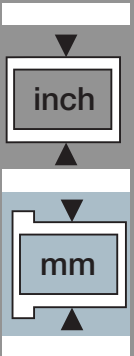
## Load Data

Part No.	Nominal Size	Tolerance Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)	pmax. Static Load P = 35 MPa (N)	Weight (g)
TJUM- <input type="text"/> XX-16	16	.0300 - .1200	1200	8400	105
TJUM- <input type="text"/> XX-20	20	.0300 - .1200	1500	10500	137
TJUM- <input type="text"/> XX-25	25	.0300 - .1200	2500	17500	253
TJUM- <input type="text"/> XX-30	30	.0400 - .1350	3750	26250	377
TJUM- <input type="text"/> XX-40	40	.0400 - .1350	6000	42000	720

\* according to iglus® testing method ► Page 49.57

DryLin® R  
Linear Guide Systems

PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)





# DryLin® R Open Pillow Block, Long Design Linear Bearing OJUM-06, mm

DryLin® R  
Linear Guide Systems

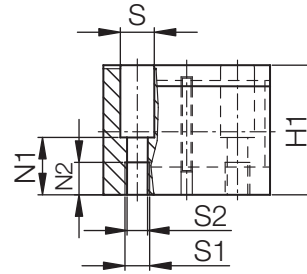
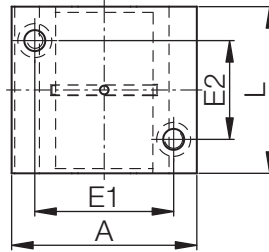
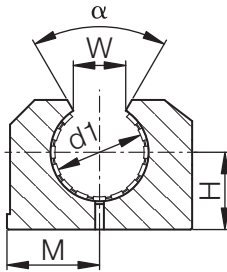
Telephone 1-800-521-2747  
1-401-438-7270  
Fax

Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>



### Special Properties

- Open, anodized aluminum housing, long design
- Contains JUMO-01-XX liner



### Dimensions (mm)

Part No.	d1	H +0.01	H1	A	M	E ±0.15	E2 ±0.15	S	S1	S2	N1	N2	W	α (°)	L
OJUM-□-12	12	18	28	43	21.5	32	23	8.0	M 5	4.3	16.5	11	10.2	78	39
OJUM-□-16	16	22	35	53	26.5	40	26	10.0	M 6	5.3	21.0	13	11.6	78	43
OJUM-□-20	20	25	42	60	30.0	45	32	11.0	M 8	6.6	24.0	18	12.0	60	54
OJUM-□-25	25	30	51	78	39.0	60	40	15.0	M10	8.4	29.0	22	14.5	60	67
OJUM-□-30	30	35	60	87	43.5	68	45	15.0	M10	8.4	34.0	22	16.6	57	79
OJUM-□-40	40	45	77	108	54.0	86	58	18.0	M12	10.5	44.0	26	21.0	56	91
OJUM-□-50	50	50	88	132	66.0	108	50	20.0	M16	13.5	49.0	34	25.5	54	113

Supplement the part number with one of the following choices.  
Example: OJUM-**06**-12 for a standard version

For Standard version use **06** (See page 27.25)

For Low Clearance version use **36** (See page 27.25)

### Load Data

Part No.	Nominal Size	Tolerance* Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)			pmax. Static Load P = 35 MPa (N)			Weight (kg)
			0°	90°	180°	0°	90°	180°	
OJUM- <b>XX</b> -12	12	.0300 - .0880	960	635	240	6720	4445	1680	0.095
OJUM- <b>XX</b> -16	16	.0300 - .0880	1440	990	396	10080	6943	2772	0.158
OJUM- <b>XX</b> -20	20	.0300 - .0910	2250	1800	900	15750	12600	6300	0.266
OJUM- <b>XX</b> -25	25	.0300 - .0910	3625	2953	1523	25375	20670	10658	0.530
OJUM- <b>XX</b> -30	30	.0400 - .1100	5100	4250	2278	35700	29735	15946	0.818
OJUM- <b>XX</b> -40	40	.0400 - .1150	8000	6810	3800	56000	47660	26660	1.485
OJUM- <b>XX</b> -50	50	.0500 - .1300	12500	10750	6125	87500	75265	42875	2.750

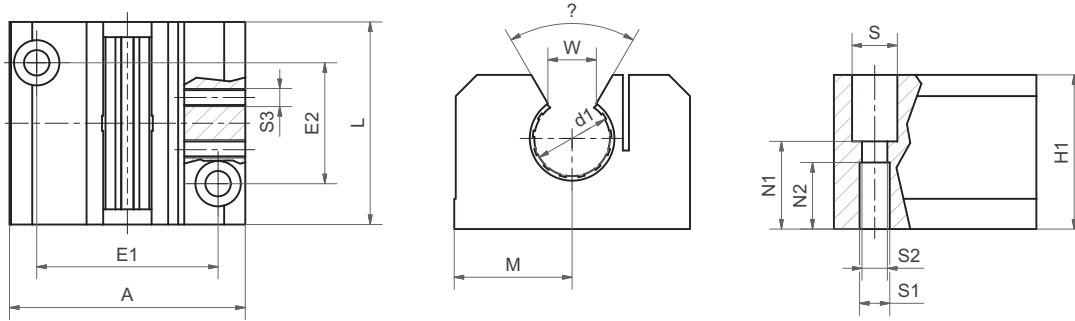
\* according to iglus® testing method ▶ Page 49.57

# DryLin® R Adjustable Pillow Block, Long Design Linear Bearing OJUME-06, mm



## Special Properties

- Open, anodized aluminum housing, standard
- Contains JUMO-01-XX liner made of iglide® J is fitted as standard
- Adjustable clearance: with 2 set screws (DIN 913) one side of the block can be adjusted
- Recommended tolerance for the shaft: h6-h10 (see iglus® supported shafts Page 49.61)
- Also available with the following liners:  
TUMO-01: for high temperatures up to 356°F, material iglide® T500 - Example: OTUM-06-16  
JUMO-11: with reduced maximum clearance, material iglide® J - Example: OJUM-20-16



## Dimensions (mm)

Part No.	d1	H +0.01	H1	A	M	E ±0.15	E2 ±0.15	S	S1	S2	N1	N2	W	α (°)	L
OJUME-□-12	12	18	28	43	21.5	32	23	8.0	M 5	4.3	16.5	11	10.2	78	39
OJUME-□-16	16	22	35	53	26.5	40	26	10.0	M 6	5.3	21.0	13	11.6	78	43
OJUME-□-20	20	25	42	60	30.0	45	32	11.0	M 8	6.6	24.0	18	12.0	60	54
OJUME-□-25	25	30	51	78	39.0	60	40	15.0	M10	8.4	29.0	22	14.5	60	67
OJUME-□-30	30	35	60	87	43.5	68	45	15.0	M10	8.4	34.0	22	16.6	57	79
OJUME-□-40	40	45	77	108	54.0	86	58	18.0	M12	10.5	44.0	26	21.0	56	91
OJUME-□-50	50	50	88	132	66.0	108	50	20.0	M16	13.5	49.0	34	25.5	54	113

Supplement the part number with one of the following choices.  
Example: OJUME-**06**-12 for a standard version

For Standard version use **06** (See page 27.25)

For Low Clearance version use **36** (See page 27.25)

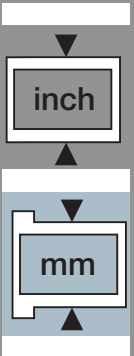
## Load Data

Part No.	Nominal Size	Tolerance* Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)			pmax. Static Load P = 35 MPa (N)			Weight (kg)
			0°	90°	180°	0°	90°	180°	
OJUME- <b>XX</b> -12	12	.0300 - .0880	960	635	240	6720	4445	1680	0.095
OJUME- <b>XX</b> -16	16	.0300 - .0880	1440	990	396	10080	6943	2772	0.158
OJUME- <b>XX</b> -20	20	.0300 - .0910	2250	1800	900	15750	12600	6300	0.266
OJUME- <b>XX</b> -25	25	.0300 - .0910	3625	2953	1523	25375	20670	10658	0.530
OJUME- <b>XX</b> -30	30	.0400 - .1100	5100	4250	2278	35700	29735	15946	0.818
OJUME- <b>XX</b> -40	40	.0400 - .1150	8000	6810	3800	56000	47660	26660	1.485
OJUME- <b>XX</b> -50	50	.0500 - .1300	12500	10750	6125	87500	75265	42875	2.750

\* according to iglus® testing method ▶ Page 49.57

DryLin® R  
Linear Guide Systems

PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)





# DryLin® R Open Floating Pillow Block, Long Design Linear Bearing OJUM-06 LL, mm

DryLin® R  
Linear Guide Systems

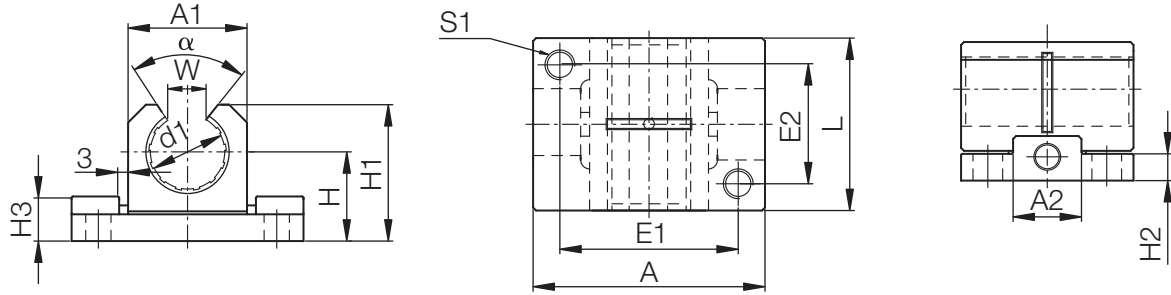
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Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>



### Special Properties

- For extreme misalignments
- Closed, anodized aluminum housing, long design
- Contains JUM-01-XX liner
- Compensation of angle errors +/- 3.5°
- Same properties as standard pillow block
- Compensation of parallelism errors up to 6mm
- Compensates for angular errors and bending of the shaft



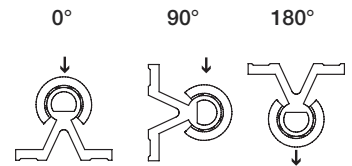
### Dimensions (mm)

Part No.	d1	H	H1	A	E1 ±0.15	E2 ±0.15	S1	L	A1	A2	H2	H3	W	α [°]
OJUM- <input type="text"/> -12 LL	12	18	24.5	43	32	23	M 5	39	20	13	6	11	10.2	90
OJUM- <input type="text"/> -16 LL	16	22	30.5	53	40	26	M 6	43	26	15	7	11	11.6	90
OJUM- <input type="text"/> -20 LL	20	25	37	60	45	32	M 8	54	32	19	7	12.5	12	60
OJUM- <input type="text"/> -25 LL	25	30	44	78	60	40	M10	67	40	23	9	15	14.5	60
OJUM- <input type="text"/> -30 LL	30	35	52.5	87	68	45	M10	79	48	28	10	15	16.8	60

Supplement the part number with one of the following choices.  
Example: OJUM--10 for a standard version

For Standard version use  (See page 27.25)

For Low Clearance version use  (See page 27.25)



### Load Data

Part No.	Nominal Size	Tolerance* Bearing Inner Diameter	pmax. (N) at 0°	pmax. (N) at 90°	pmax. (N) at 180°	Weight [kg]
OJUM- <input type="text"/> -12 LL	12	.0300 - .0880	560	NA	240	0.040
OJUM- <input type="text"/> -16 LL	16	.0300 - .0880	920	NA	400	0.070
OJUM- <input type="text"/> -20 LL	20	.0300 - .0910	2100	NA	900	0.115
OJUM- <input type="text"/> -25 LL	25	.0300 - .0910	3550	NA	1520	0.240
OJUM- <input type="text"/> -30 LL	30	.0400 - .1100	5300	NA	2280	0.370

\* according to iglus® testing method ▶ Page 49.57

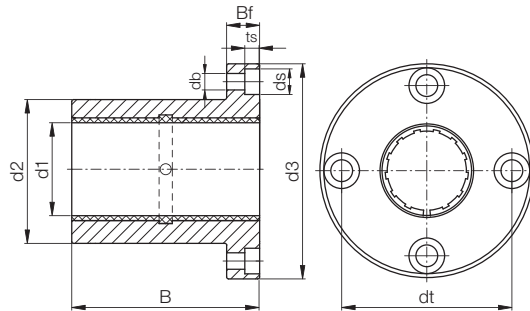


# DryLin® R Flange Pillow Block, Round Design FJUM-01, mm



## Special Properties

- Flange housing made of anodized aluminum, round flange
- Contains JUM-01-XX liner



## Dimensions (mm)

Part No.	d1	d2 h7	dt	d3	B	Bf	ts	db	ds
FJZM- <input type="text"/> -08*	8	16	24	32	25	8	3.1	3.5	6.0
FJUM- <input type="text"/> -10	10	19	29	39	29	9	4.1	4.5	7.5
FJUM- <input type="text"/> -12	12	22	32	42	32	9	4.1	4.5	7.5
FJUM- <input type="text"/> -16	16	26	36	46	36	9	4.1	4.5	7.5
FJUM- <input type="text"/> -20	20	32	43	54	45	11	5.1	5.5	9.0
FJUM- <input type="text"/> -25	25	40	51	62	58	11	5.1	5.5	9.0
FJUM- <input type="text"/> -30	30	47	62	76	68	14	6.1	6.6	11.0
FJUM- <input type="text"/> -40	40	62	80	98	80	18	8.1	9.0	14.0
FJUM- <input type="text"/> -50	50	75	94	112	100	18	8.1	9.0	15.0

Supplement the part number with one of the following choices.  
Example: FJUM--10 for a standard version

For Standard version use  (See page 27.24)

For Low Clearance version use  (See page 27.24)

## Load Data

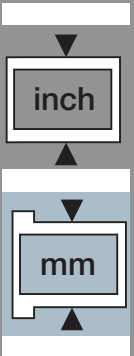
Part No.	Nominal Size	Tolerance** Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)	pmax. Static Load P = 35 MPa (N)	Weight (g)
FJZM- <input type="text" value="XX"/> -08*	8	.0320 - .0700	960	6720	20
FJUM- <input type="text" value="XX"/> -10	10	.0300 - .0880	725	5075	32
FJUM- <input type="text" value="XX"/> -12	12	.0300 - .0880	960	6720	42
FJUM- <input type="text" value="XX"/> -16	16	.0300 - .0880	1440	10080	51
FJUM- <input type="text" value="XX"/> -20	20	.0300 - .0910	2250	15750	88
FJUM- <input type="text" value="XX"/> -25	25	.0300 - .0910	3625	25375	152
FJUM- <input type="text" value="XX"/> -30	30	.0400 - .1100	5100	35700	266
FJUM- <input type="text" value="XX"/> -40	40	.0400 - .1150	8000	56000	552
FJUM- <input type="text" value="XX"/> -50	50	.0500 - .1300	12500	87500	853

\* Nominal widths under 10mm are delivered with pressfit sleeve bearings

\* according to iglus® testing method ▶ Page 49.57

DryLin® R  
Linear Guide Systems

PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)





# DryLin® R Flange Pillow Block, Square Design FJUM-02, mm

DryLin® R  
Linear Guide Systems

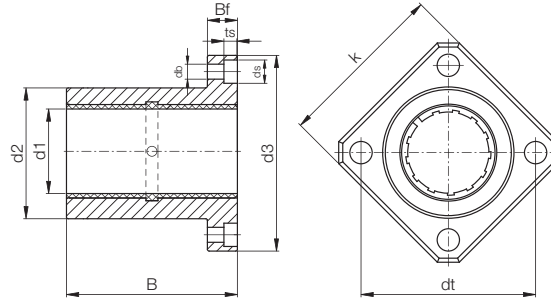
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email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>



### Special Properties

- Flange housing made of anodized aluminum, square flange
- Contains JUM-01-XX liner



### Dimensions (mm)

Part No.	d1	d2 h7	d3	dt	k	B	Bf	ts	db	ds
FJZM- <input type="text"/> -08*	8	16	32	24	25	25	8	3.1	3.5	6.0
FJUM- <input type="text"/> -10	10	19	39	29	30	29	9	4.1	4.5	7.5
FJUM- <input type="text"/> -12	12	22	42	32	32	32	9	4.1	4.5	7.5
FJUM- <input type="text"/> -16	16	26	46	36	35	36	9	4.1	4.5	7.5
FJUM- <input type="text"/> -20	20	32	54	43	42	45	11	5.1	5.5	9.0
FJUM- <input type="text"/> -25	25	40	62	51	50	58	11	5.1	5.5	9.0
FJUM- <input type="text"/> -30	30	47	76	62	60	68	14	6.1	6.6	11.0
FJUM- <input type="text"/> -40	40	62	98	80	75	80	18	8.1	9.0	15.0
FJUM- <input type="text"/> -50	50	75	112	94	88	100	18	8.1	9.0	14.0

Supplement the part number with one of the following choices.  
Example: FJUM--10 for a standard version

For Standard version use  (See page 27.24)

For Low Clearance version use  (See page 27.24)

### Load Data

Part No.	Nominal Size	Tolerance** Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa	pmax. Static Load P = 35 MPa	Weight (g)
FJZM- <input type="text"/> -08*	8	.0320 - .0700	960	6720	17
FJUM- <input type="text"/> -10	10	.0300 - .0880	725	5075	25
FJUM- <input type="text"/> -12	12	.0300 - .0880	960	6720	32
FJUM- <input type="text"/> -16	16	.0300 - .0880	1440	10080	41
FJUM- <input type="text"/> -20	20	.0300 - .0910	2250	15750	73
FJUM- <input type="text"/> -25	25	.0300 - .0910	3625	25375	135
FJUM- <input type="text"/> -30	30	.0300 - .1100	5100	35700	228
FJUM- <input type="text"/> -40	40	.0300 - .1150	8000	56000	454
FJUM- <input type="text"/> -50	50	.0300 - .1300	12500	87500	735

\* Nominal widths under 10mm are delivered with pressfit sleeve bearings

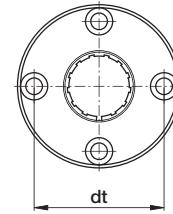
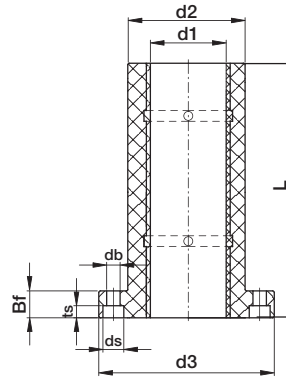
\* according to igus® testing method ➤ Page 49.57

# DryLin® R Twin Flange Pillow Block Round Design FJUMT-01, mm



## Special Properties

- Flange housing made of anodized aluminum, round flange
- Contains 2 of the JUM-02-XX liners



## Dimensions (mm)

Part No.	d1	d2 h7	d3	dt	k	B	Bf	ts	db	ds
FJZMT-01-08*	8	16	32	24	25	45	8	3.1	3.5	6.0
FJUMT-01-10	10	19	39	29	30	52	9	4.1	4.5	7.5
FJUMT-01-12	12	22	42	32	32	57	9	4.1	4.5	7.5
FJUMT-01-16	16	26	46	36	35	70	9	4.1	4.5	7.5
FJUMT-01-20	20	32	54	43	42	80	11	5.1	5.5	9.0
FJUMT-01-25	25	40	62	51	50	112	11	5.1	5.5	9.0
FJUMT-01-30	30	47	76	62	60	123	14	6.1	6.6	11.0
FJUMT-01-40	40	62	98	80	75	151	18	8.1	9.0	14.0
FJUMT-01-50	50	75	112	94	88	192	18	8.1	9.0	14.0

Part No.	Nominal Size	Tolerance** Bearing Inner Diameter	pmax. Dynamic Load	pmax. Static Load
			P = 5 MPa (N)	P = 35 MPa (N)
FJZMT-01-08*	8	.0320 - .0700	1913	13430
FJUMT-01-10	10	.0300 - .0880	1450	10150
FJUMT-01-12	12	.0300 - .0880	1913	13430
FJUMT-01-16	16	.0300 - .0880	2874	20160
FJUMT-01-20	20	.0300 - .0910	4493	31490
FJUMT-01-25	25	.0300 - .0910	7251	50750
FJUMT-01-30	30	.0400 - .1100	10200	71390
FJUMT-01-40	40	.0400 - .1150	16000	112000
FJUMT-01-50	50	.0500 - .1300	25000	175000

For a Low Clearance version use part number FJUMT-31-XX

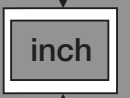
## Comparison of Flange Length and Bearing Surface of FJUM and FJUMT

Part No.	Nominal Diameter (mm)	Flange Length (mm)			Effective Surface Area (mm <sup>2</sup> )		
		FJUM-01-..	FJUMT-01-..	Difference (%)	FJUM-01-..	FJUMT-01-..	Difference (%)
FJZMT-01-08	08*	25	45	+80	192	256	+33
FJUMT-01-10	10	29	52	+80	145	250	+72
FJUMT-01-12	12	32	57	+78	186	324	+74
FJUMT-01-16	16	36	70	+94	280	464	+66
FJUMT-01-20	20	45	80	+78	440	580	+32
FJUMT-01-25	25	58	112	+93	712	975	+37
FJUMT-01-30	30	68	123	+81	1005	1470	+46
FJUMT-01-40	40	80	151	+89	1580	2360	+49
FJUMT-01-50	50	100	192	+92	2475	3450	+39

\* FJZMT-01-08 are equipped with 2 pieces JSM-0810-16

\* Nominal widths under 10mm are delivered with pressfit sleeve bearings

PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)





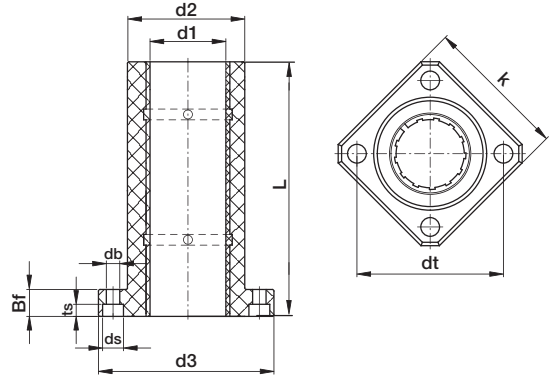
# DryLin® R Twin Flange Pillow Block Square Design FJUMT-02, mm

DryLin® R  
Linear Guide Systems



### Special Properties

- Flange housing made of anodized aluminum, square flange
- Contains 2 of the JUM-02-XX liners



### Dimensions (mm)

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

### Load Data

Part No.	Nominal Size	Tolerance** Bearing Inner Diameter	pmax. Dynamic Load P = 5 MPa (N)	pmax. Static Load P = 35 MPa (N)
FJZMT-02-08*	8	.0320 - .0700	1913	13430
FJUMT-02-10	10	.0300 - .0880	1450	10150
FJUMT-02-12	12	.0300 - .0880	1913	13430
FJUMT-02-16	16	.0300 - .0880	2874	20160
FJUMT-02-20	20	.0300 - .0910	4493	31490
FJUMT-02-25	25	.0300 - .0910	7251	50750
FJUMT-02-30	30	.0400 - .1100	10200	71390
FJUMT-02-40	40	.0400 - .1150	16000	112000
FJUMT-02-50	50	.0500 - .1300	25000	175000

For a Low Clearance version use part number FJUMT-32-XX

### Comparison of Flange Length and Bearing Surface of FJUM and FJUMT

Part No.	Nominal Diameter (mm)	Flange Length (mm)			Effective Surface Area (mm <sup>2</sup> )		
		FJUM-02-...	FJUMT-02-...	Difference (%)	FJUM-02-...	FJUMT-02-...	Difference (%)
FJZMT-02-08*	08*	25	45	+80	192	256	+33
FJUMT-02-10	10	29	52	+80	145	250	+72
FJUMT-02-12	12	32	57	+78	186	324	+74
FJUMT-02-16	16	36	70	+94	280	464	+66
FJUMT-02-20	20	45	80	+78	440	580	+32
FJUMT-02-25	25	58	112	+93	712	975	+37
FJUMT-02-30	30	68	123	+81	1005	1470	+46
FJUMT-02-40	40	80	151	+89	1580	2360	+49
FJUMT-02-50	50	100	192	+92	2475	3450	+39

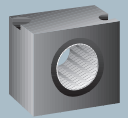
\* FJZMT-02-08 are equipped with 2 pieces JSM-0810-12

\* Nominal widths under 10mm are delivered with pressfit sleeve bearings

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QuickSpec: <http://www.igus.com/drylin-quickspec>

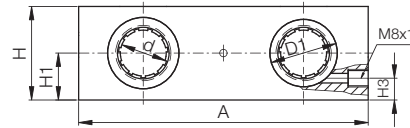
# RQA - Quad block, Closed, mm



Quad block, with DryLin® R linear bearings

## Special Properties

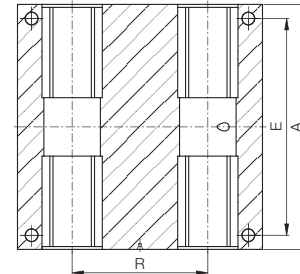
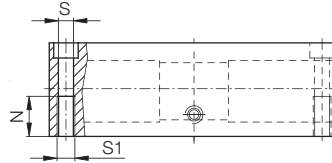
- Housing: aluminum
- Equipped with DryLin® R linear plain bearings, part no. RJUM-01-ø, RJUM-03-ø, or RJM-01
- Bearings are secured with retaining rings according to DIN 472
- Mounting bolts DIN 912-8.8, lock washer DIN 7980



Also available as driven systems



HTS  
Page  
30.17



For a Low Clearance version use part number RQA-31-XX for standard RQA-33-XX for self-aligning

## Dimensions (mm)

Standard with RJUM-01	Self-Aligning with RJUM-03	All Plastic with RJM-01	d	D1	A	H	H1	H3	R	N	E	S	S1
RQA-01-08	RQA-03-08	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

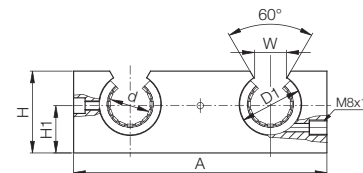
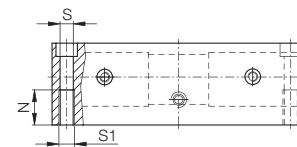
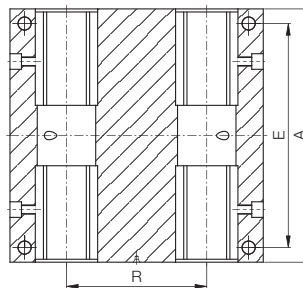
# OQA - Quad Block, Open, mm



Quad block open with DryLin® R linear bearings

## Special Properties

- Housing: aluminum
- Equipped with DryLin® R linear plain bearings, Part no. OJUM-01-ø or OJUM-03-ø
- Maintenance-free
- Mounting bolts DIN 912-8.8, lock washer DIN 7980
- Securing of the bearing in the housing is done using set screws



For a Low Clearance version use part number OQA-31-XX for standard OQA-33-XX for self-aligning

## Dimensions (mm)

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

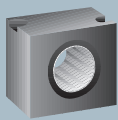
DryLin® R  
Linear Guide Systems

PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)



inch

mm



## RTA - Pillow Block, Closed, Twin Design, mm

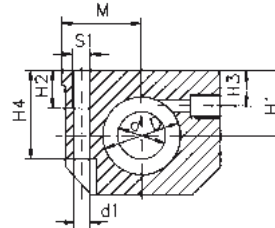
### Special Properties

- Housing: aluminum
- Equipped with DryLin® R linear plain bearings, part no. RJUM-01- $\emptyset$ , RJUM-03- $\emptyset$  or RJM-01
- Can be combined with DryLin® R housing bearing, Part No. RJUM-06- $\emptyset$
- Bearings are secured with retaining rings according to DIN 472
- Mounting bolts DIN 912-8.8, lock washer DIN 7980



Pillow block, twin design with DryLin® R linear plain bearings

For a Low Clearance version use part number  
RTA-31-XX for standard  
RTA-33-XX for self-aligning



### Dimensions (mm)

Part No.	Standard with RJUM-01	Self-Aligning with RJUM-03	All Plastic with RJM-0	d	D H6	H	H1 +0.01 -0.02	H2	H3	H4	S1	B	L +0.3	M $\pm 0.02$	E1 $\pm 0.15$	E2 $\pm 0.15$	d1	d2
RTA-01-08	-	-	RTA-04-08	8	16	28	13	13	8	14	M 5	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	M 6	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	M 6	53	84	26.5	45	36	5.20	10
RTA-01-20	-	RTA-03-20	RTA-04-20	20	32	50	25	18	13	24	M 8	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

## OTA - Pillow Block, Open, Twin Design, mm

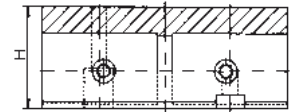
### Special Properties

- Housing: aluminum
- Equipped with DryLin® R linear plain bearings, Part No. OJUM-01- $\emptyset$  or OJUM-03- $\emptyset$
- Can be combined with DryLin® R housing bearing, Part No. OJUM-06- $\emptyset$
- Securing of the bearing in the housing is done using set screws
- Mounting bolts DIN 912-8.8, washer DIN 7980



Pillow block, twin design, open with DryLin® R linear plain bearings

For a Low Clearance version use part number  
OTA-31-XX for standard  
OTA-33-XX for self-aligning



### Dimensions (mm)

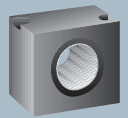
Part No.	Standard with OJUM-01	Self-Aligning with OJUM-03	d	D H6	H	H1 +0.01 -0.02	H2	H3	H4	S1	B	L +0.3	M $\pm 0.02$	E1 $\pm 0.15$	E2 $\pm 0.15$	d1	d2	W
OTA-01-12	-	OTA-03-12	12	22	30	18	13	10	25	M 6	43	76	21.5	40	30	5.20	10	14
OTA-01-16	-	OTA-03-16	16	26	35	22	13	12	30	M 6	53	84	26.5	45	36	5.20	10	17
OTA-01-20	-	OTA-03-20	20	32	42	25	18	13	24	M 8	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	29.0	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

DryLin® R  
Linear Guide Systems

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1-401-438-7270  
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email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>

# RGA Pillow Block, Closed, Long Design, mm



DryLin® R  
Linear Guide Systems

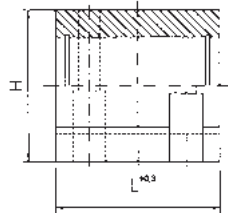
PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)



## Special Properties

- Housing: aluminum
- Equipped with DryLin® R linear plain bearings, Part No. RJUM-01-ø, RJUM-03-ø or RJM-01
- Can be combined with DryLin® R housing bearing, Part No. RJUM-06-ø
- Bearings are secured with retaining rings according to DIN 472

For a Low Clearance version  
use part number  
RGA-31-XX for standard  
RGA-33-XX for self-aligning



## Dimensions (mm)

Part No. Standard with RJUM-01	Self-Aligning with RJUM-03	All Plastic with RJM-01	d	D H6	H	H1 +0.01 -0.02	H2	H3	H4	S1	B	L ±0.03	M ±0.15	E1 ±0.15	E2	d1	d2
RGA-01-08	–	RGA-04-08	8	16	28	13	10	8	14	M 4	35	32	17.5	20	25	3.2	6
RGA-01-12	RGA-03-12	RGA-04-12	12	22	35	18	11	10	25	M 5	43	39	21.5	23	32	4.2	6
RGA-01-16	RGA-03-16	RGA-04-16	16	26	42	22	13	12	30	M 6	53	43	26.5	26	40	5.2	10
RGA-01-20	RGA-03-20	RGA-04-20	20	32	50	25	18	13	24	M 8	60	54	30.0	32	45	6.8	11
RGA-01-25	RGA-03-25	RGA-04-25	25	40	60	30	22	15	40	M10	78	67	39.0	40	60	8.6	15
RGA-01-30	RGA-03-30	RGA-04-30	30	47	70	35	22	16	48	M10	87	79	43.5	45	68	8.6	15
RGA-01-40	RGA-03-40	RGA-04-40	40	62	90	45	26	20	60	M12	108	91	54.0	58	86	10.3	18

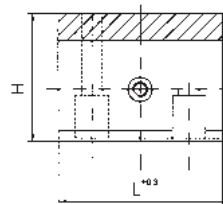
# OGA Pillow Block, Open, Long Design, mm



## Special Properties

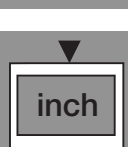
- Housing: aluminum
- Equipped with DryLin® linear plain bearings OJUM-01-ø or OJUM-03-ø
- Can be combined with DryLin® R housing bearing OJUM-06-ø
- Bearings are secured with retaining rings according to DIN 472

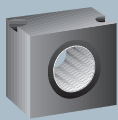
For a Low Clearance version  
use part number  
OGA-31-XX for standard  
OGA-33-XX for self-aligning



## Dimensions (mm)

Part No.. Standard with OJUM-01	Self- Self-Aligning with OJUM-03	d	D H6	H	H1 +0.01 -0.02	H2	H3	H4	S1	B +0.3	L ±0.03	M ±0.15	E1 ±0.15	E2	d1	d2	W +0.6
OGA-01-12	OGA-03-12	12	22	28	18	11	8	25	M 5	43	39	21.5	23	32	4.2	8	14
OGA-01-16	OGA-03-16	16	26	35	22	13	12	30	M 6	53	43	26.5	26	40	5.2	10	17
OGA-01-20	OGA-03-20	20	32	42	25	18	13	24	M 8	60	54	30.0	32	45	6.8	11	17
OGA-01-25	OGA-03-25	25	40	51	30	22	15	40	M10	78	67	39.0	40	60	8.6	15	21
OGA-01-30	OGA-03-30	30	47	60	35	22	16	48	M10	87	79	43.5	45	68	8.6	15	21
OGA-01-40	OGA-03-40	40	62	77	45	26	20	60	M12	108	91	54.0	58	86	10.3	18	27





# RGAS Pillow Block, Closed, Short Design, mm

DryLin® R  
Linear Guide Systems

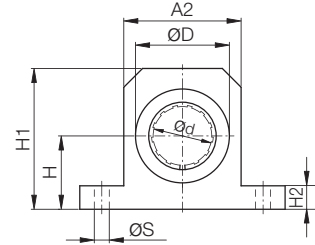
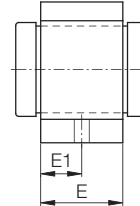
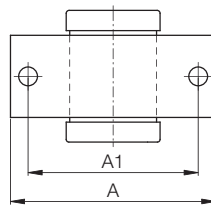
Telephone 1-800-521-2747  
Fax 1-401-438-7270



### Special Properties

- Housing: aluminum
- Equipped with DryLin® R linear plain bearings, Part No. RJUM-01-ø, RJUM-03-ø or RJM-01
- Can be combined with DryLin® R housing bearing RJUM-06-ø
- Bearings are secured with retaining rings according to DIN 472

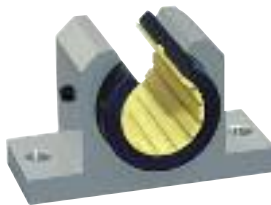
For a Low Clearance version  
use part number  
RGAS-31-XX for standard  
RGAS-33-XX for self-aligning



### Dimensions (mm)

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

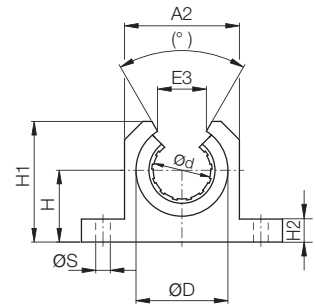
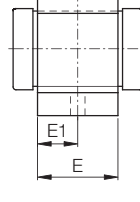
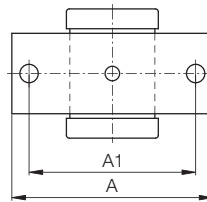
# OGAS Pillow Block, Open, Short Design, mm



### Special Properties

- Housing: aluminum
- Equipped with DryLin® R linear plain bearings, Part No. OJUM-01-ø or OJUM-03-ø
- Can be combined with DryLin® R housing bearing, Part No. OJUM-06-ø
- Securing of the bearing in the housing is done using set screws

For a Low Clearance version  
use part number  
OGAS-31-XX for standard  
OGAS-33-XX for self-aligning



### Dimensions (mm)

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

Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>





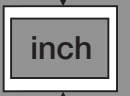
## igus® testing method for determining the tolerance of DryLin® Linear Plain Bearings

In order to ensure the function of the DryLin® linear plain bearing, it is necessary to use the bearing with a defined clearance. The quality control of this product line is performed with a cylinder gauge test. For this

purpose, a certain force is defined, with which the cylinder gauge is loaded when the plain bearing is tested.

Part	Test Force (lbs)	Test Housing i.d.	min. Bearing $\phi$ i (Cylinder Gauge Free)	max. Bearing $\phi$ i (Cylinder Gauge Hangs)
JUM-01/02-10	0.221	12.000 mm	10.030 mm	10.070 mm
JUM-01/02-12	0.309	14.000 mm	12.030 mm	12.070 mm
JUM-01/02-16	0.419	18.000 mm	16.030 mm	16.070 mm
JUM-01/02-20	0.595	23.000 mm	20.030 mm	20.070 mm
JUM-01/02-25	0.838	28.000 mm	25.030 mm	25.070 mm
JUM-01/02-30	1.081	34.000 mm	30.040 mm	30.085 mm
JUM-01/02-40	1.588	44.000 mm	40.040 mm	40.085 mm
JUM-01/02-50	2.205	55.000 mm	50.050 mm	50.100 mm
JUI-01-06	0.221	0.4684 inch	0.3768 inch	0.3776 inch
JUI-01-08	0.309	0.5934 inch	0.5016 inch	0.5024 inch
JUI-01-10	0.419	0.7184 inch	0.6268 inch	0.6276 inch
JUI-01-12	0.595	0.8747 inch	0.7516 inch	0.7524 inch
JUI-01-16	0.838	1.1247 inch	1.0016 inch	1.0024 inch
JUI-01-20	1.081	1.4058 inch	1.2520 inch	1.2531 inch
JUI-01-24	1.588	1.6558 inch	1.5020 inch	1.5031 inch
JUI-01-32	2.205	2.1870 inch	2.0024 inch	2.0039 inch
RJM-01-08	0.221	16.000 mm	8.025 mm	8.061 mm
RJM-01-10	0.221	19.000 mm	10.025 mm	10.061 mm
RJM-01-12	0.309	22.000 mm	12.032 mm	12.075 mm
RJM-01-16	0.419	26.000 mm	16.032 mm	16.075 mm
RJM-01-20	0.595	32.000 mm	20.040 mm	20.092 mm
RJM-01-25	0.838	40.000 mm	25.040 mm	25.092 mm
RJM-01-30	1.081	47.000 mm	30.040 mm	30.092 mm
RJM-01-40	1.588	62.000 mm	40.050 mm	40.112 mm
RJM-01-50	2.205	75.000 mm	50.050 mm	50.112 mm
RJI-01-06	0.221	0.6250 inch	0.3762 inch	0.3776 inch
RJI-01-08	0.309	0.8750 inch	0.5013 inch	0.5030 inch
RJI-01-10	0.419	1.1250 inch	0.6265 inch	0.6282 inch
RJI-01-12	0.595	1.2500 inch	0.7516 inch	0.7536 inch
RJI-01-16	0.838	1.5625 inch	1.0035 inch	1.0056 inch
RJI-01-20	1.081	2.0000 inch	1.2520 inch	1.2544 inch
RJI-01-24	1.588	2.3750 inch	1.5020 inch	1.5044 inch
RJI-01-32	2.205	3.0000 inch	2.0024 inch	2.0053 inch

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



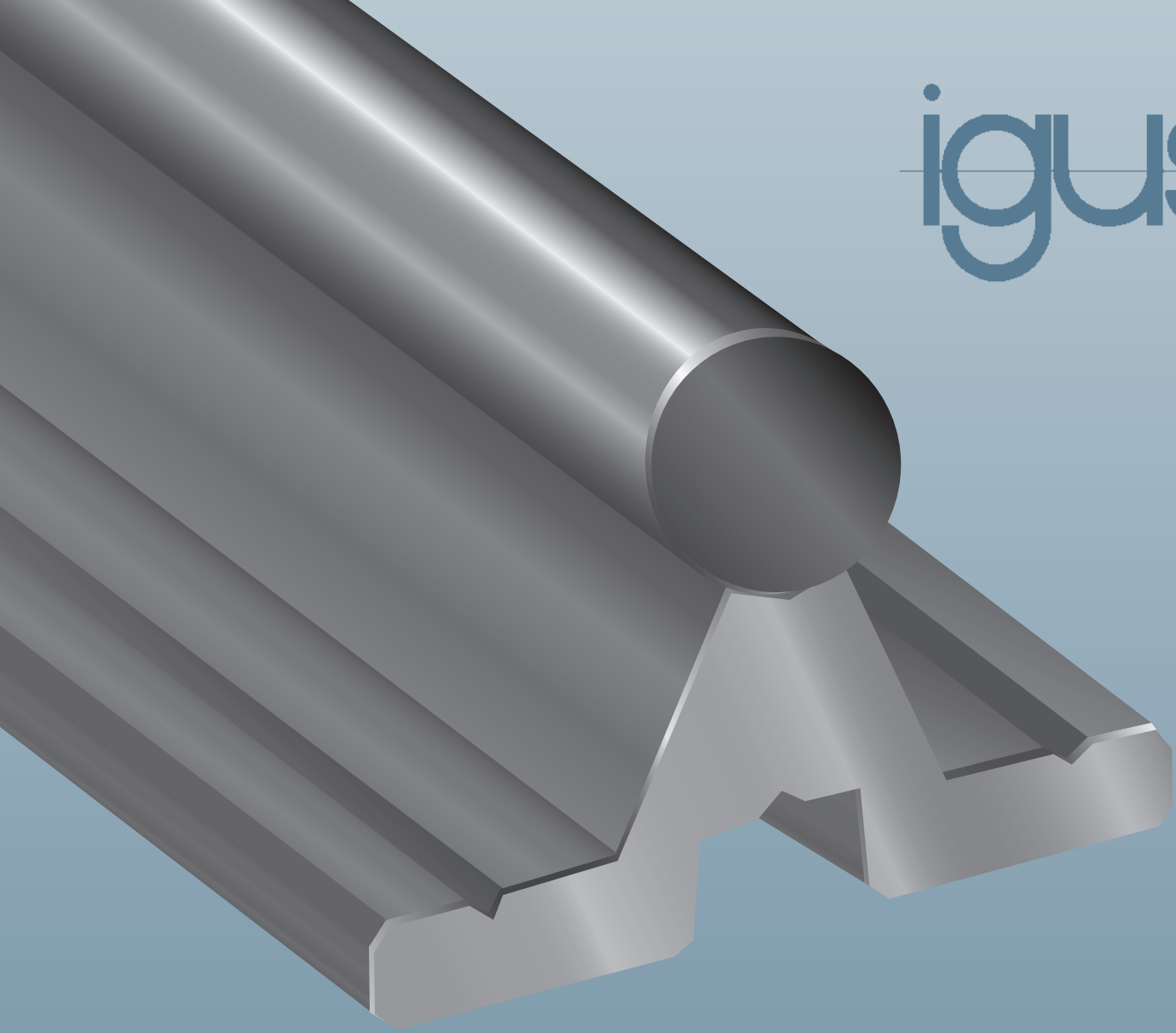


# DryLin® R Linear Plain Bearing

DryLin® R  
Linear Guide Systems

Telephone 1-800-521-2747  
Fax 1-401-438-7270

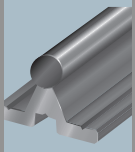
Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>



## DryLin<sup>®</sup> Metric Shafting

- Supported shafts available
- Lightweight aluminum
- Corrosion-resistant stainless steel
- Diameters from 6 to 50 mm





# DryLin® Metric Shafting

DryLin® R  
Linear Guide Systems

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Fax

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QuickSpec: <http://www.igus.com/drylin-quickspec>

49.60

	Aluminum			Steel				Stainless, hardened				Soft Stainless	
				SWUM		SWUMH		EWUM		EEWUM			
	AWM	AWUM	AWMR	SWM	SWUMN	SWMH	SWUMHN	EWM	EWUMN	EEWM	EEWUMN	EWMR	EWMS
Material	EN AW 6061/6063			Case hardened		Hard chromed		440c		420c		304	316
Ø 6	●			▲		▲		▲ <sup>2</sup>		▲			
Ø 8	●			▲		▲		▲ <sup>2</sup>		▲			
Ø 10	●	●		▲		▲		▲ <sup>2</sup>		▲		▲	▲
Ø 12	●	●		▲	▲	▲	▲	▲	▲	▲	▲	▲	■
Ø 16	●	●		▲	▲	▲	▲	▲	▲	▲	▲	▲	■
Ø 20	●	●	●	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Ø 25	●	●	●	▲	▲	▲	▲	▲	▲	▲	▲	▲	■
Ø 30	● <sup>1</sup>	●		▲	▲	▲	▲	▲	▲	▲	▲	▲	■
Ø 40	● <sup>1</sup>	●		▲	▲	▲	▲	▲	▲	▲			
Ø 50	● <sup>1</sup>			▲	▲	▲	▲	▲	▲	▲			

Tolerance	h8	-0.1	h9	h6	h6	h7	h7	h6	h6	h6	h6	h9	h9
Max. Length Ø 8-10	3000			3000		3000		3000		3000			
Max. Length Ø12-50	3000	4000	3000	6000	6000	6000	6000	6000	6000	6000	6000	3000	3000
Surface	Hard Anodized			Hardened/Ground		Hard Chrome		Hardened/Ground		Hardened/Ground		Drawn/Polished	
Surface Roughness	<0.6			0.15 - 0.3		0.15 - 0.3		0.15 - 0.3		0.15 - 0.3		0.3 - 0.6	
Surface Hardness	450-550 HV			60+4 HRC		60+4 HRC		52+8 HRC		52+8 HRC		Non Hardened	
Roundness	DIN EN 12020			<1/2 Tolerance		<1/2 Tolerance		<1/2 Tolerance		<1/2 Tolerance		<1/2 Tolerance	

Inch sizes are also available. See Page 49.23

### ISO Tolerances for Shafts (ISO 286-2)

Over Including	Nominal Shaft Size (mm)						
	3 6	6 10	10 18	18 30	30 40	40 50	50 65
h6	+0/-0.008	+0/-0.009	+0/-0.011	+0/-0.013	+0/-0.016	+0/-0.016	+0/-0.019
h7	+0/-0.012	+0/-0.015	+0/-0.018	+0/-0.021	+0/-0.025	+0/-0.025	+0/-0.030
h8	+0/-0.018	+0/-0.022	+0/-0.027	+0/-0.033	+0/-0.039	+0/-0.039	+0/-0.046
h9	+0/-0.030	+0/-0.036	+0/-0.043	+0/-0.052	+0/-0.062	+0/-0.062	+0/-0.074
h10	+0/-0.048	+0/-0.058	+0/-0.070	+0/-0.084	+0/-0.100	+0/-0.100	+0/-0.120

### Order Example

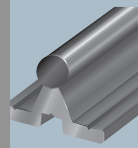
AWUM -12 -500 -T1



### Example:

AWUM-12-500 hard anodized aluminum shaft, 12 mm OD, 500 mm length

# DryLin® S Aluminum Shaft, mm



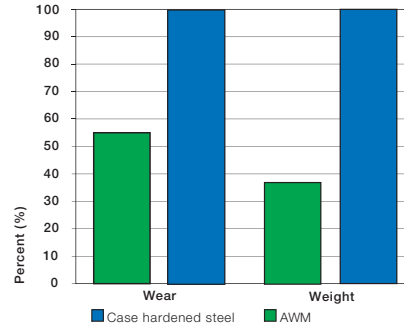
## Properties

**Material:** EN AW 6061/6060  
**Tolerance:** h8  
**Roundness:** DIN 1798  
**Straightness:** DIN 1798  
**Hardness:** 75 HB  
**Surface:** hard-anodized

**Surface Hardness:** 450-550 HV  
**Spec. Electr. Resistance:**  $4 \cdot 10^{11}$  Ohm mm<sup>2</sup>/m  
**Chemical Resistance:**  $2 < \text{pH} < 9$

## Dimensions (mm)

Part No.	Design	OD	Wall Thickness	ID	Max. Length	Weight (kg/m)
AWM-06- L in mm	Solid	6	-	-	3000	0.08
AWM-08- L in mm	Solid	8	-	-	3000	0.14
AWM-10- L in mm	Solid	10	-	-	3000	0.22
AWM-12- L in mm	Solid	12	-	-	3000	0.32
AWM-16- L in mm	Solid	16	-	-	3000	0.56
AWM-20- L in mm	Solid	20	-	-	3000	0.88
AWMR-20- L in mm	Hollow	20	2	16	3000	0.32
AWM-25- L in mm	Solid	25	-	-	3000	1.37
AWMR-25- L in mm	Hollow	25	3	19	3000	0.59
AWM-30- L in mm	Hollow	30 x 7.5	7.5	-	3000	1.48
AWM-40- L in mm	Hollow	40 x 10	10	20	3000	2.63
AWM-50- L in mm	Hollow	50 x 11	11	28	3000	3.75



Order example: AWM-16-500 corresponds to an aluminum shaft diameter of 16mm, 500 mm long  
Inch sizes are also available. See Page 49.23

Comparison of wear with iglide® J and weight between DryLin® aluminum shafts and cold rolled steel

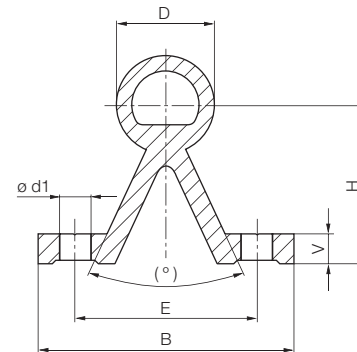
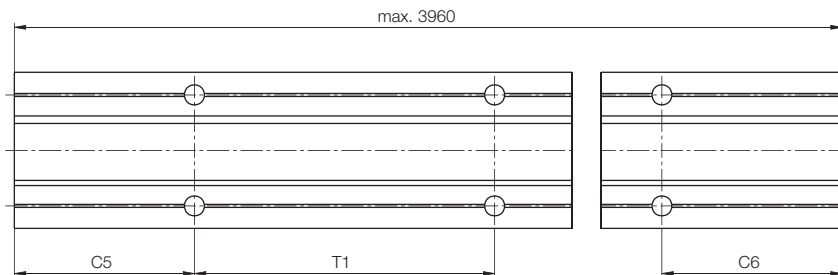
# DryLin® Supported Aluminum Shaft, mm

## Properties



**Material:** EN 6061/6060/6063  
**Roundness:** DIN 1798  
**Straightness:** DIN 1798  
**Hardness:** 75 HB

**Surface:** hard-anodized. oxidation (wear-resistant Al-oxide)  
**Surface Hardness:** 450-550 HV  
**Spec. Electr. Resistance:**  $4 \cdot 10^{11}$  Ohm mm<sup>2</sup>/m  
**Chemical Resistance:**  $2 < \text{pH} < 9$



## Dimensions (mm)

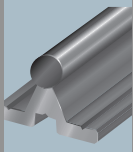
Part No.	D	B	H	V	d1	(°)	E	Bore Hole Spacing T1	C5/C6		Max. Length	Weight (kg/m)
	-0.1		±0.25				±0.15		min.	max.		
AWUM-12- L in mm	12	40	22	5	4.5	50	29	75	20	57	3950	0.750
AWUM-16- L in mm	16	45	26	5	5.5	50	33	100	20	69	3950	1.000
AWUM-20- L in mm	20	52	32	6	6.6	50	37	100	20	69	3950	1.415
AWUM-25- L in mm	25	57	36	6	6.6	50	42	120	20	79	3950	1.805
AWUM-30- L in mm	30	69	42	7	9.0	50	51	150	20	94	3950	2.690

Order example: AWUM-16-500 corresponds to supported aluminum shaft diameter 16 mm, 500 mm long

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PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
 CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
 RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)





# DryLin® Steel Shafting - SWM / SWMH

- Materials available  
1050 Case Hardened Steel  
1050 Case Hardened, Chrome-plated Steel
- Available supported or unsupported
- Max undersupport rail length - 600 mm
- T2 hole spacing standard  
T1 optional
- Symmetric hole pattern C5 = C6



DryLin® R  
Linear Guide Systems

Telephone 1-800-521-2747  
Fax 1-401-438-7270

Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>

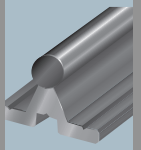
## Dimensions (mm) – Case hardened steel (1050)

Part No.	d Tolerance ISO h6	Weight (kg/m)	Max. Length (mm)	Hardness Depth (mm)
SWM-06	06	0.222	3000	0.8
SWM-08	08	0.359	4000	0.9
SWM-10	10	0.617	4000	0.9
SWM-12	12	0.888	6000	1.0
SWM-16	16	1.578	6000	1.2
SWM-20	20	2.466	6000	1.6
SWM-25	25	3.853	6000	1.8
SWM-30	30	5.549	6000	2.0
SWM-40	40	9.865	6000	2.2
SWM-50	50	15.413	6000	2.4

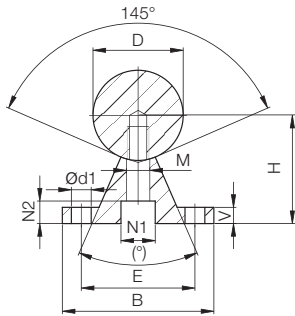
## Dimensions (mm) – Chrome-plated case hardened steel (1050)

Part No.	d Tolerance ISO h7	Weight (kg/m)	Max. Length (mm)	Hardness Depth (mm)
SWMH-06	06	0.222	3000	0.8
SWMH-08	08	0.359	4000	0.9
SWMH-10	10	0.617	4000	0.9
SWMH-12	12	0.888	6000	1.0
SWMH-16	16	1.578	6000	1.2
SWMH-20	20	2.466	6000	1.6
SWMH-25	25	3.853	6000	1.8
SWMH-30	30	5.549	6000	2.0
SWMH-40	40	9.865	6000	2.2
SWMH-50	50	15.413	6000	2.4

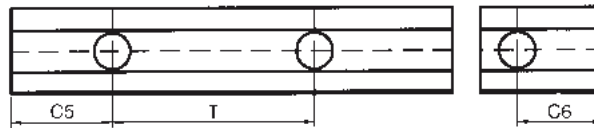
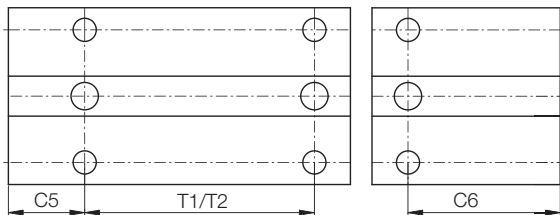
Order example: SWM-16-500 corresponds to supported aluminum shaft diameter 16 mm, 500 mm long



SWUM



SWUMN



Dimensions (mm) – Case hardened steel (1050)

Part No.	D (mm)	B (mm)	H (mm)	V (mm)	N1 (mm)	N2 (mm)	d1 (mm)	M (mm)	(°)	E (mm)	T1* (mm)	C5/C6		T2 (mm)	C5/C6		Weight (kg/m)
												min.	max.		min.	max.	
	h6																
	±0.02																
	Standard																
	Standard																
SWUM-12	12	40	22	5	8.0	5.0	4.5	5.8	50	29	75	20	57	120	20	79	1.75
SWUM-16	16	45	26	5	9.5	6.0	5.5	7.0	50	33	100	20	69	150	20	94	2.64
SWUM-20	20	52	32	6	11.0	6.5	6.6	8.3	50	37	100	20	69	150	20	94	3.97
SWUM-25	25	57	36	6	14.0	8.5	6.6	10.8	50	42	120	20	79	200	20	119	5.65
SWUM-30	30	69	42	7	17.0	10.5	9.0	11.0	50	51	150	20	94	200	20	119	7.93
SWUM-40	40	73	50	8	17.0	10.5	9.0	15.0	50	55	200	20	119	300	20	169	12.88
SWUM-50	50	84	60	9	19.0	12.5	11.0	19.0	46	63	200	20	119	300	20	169	19.60

\* T1 optional, T2 standard

For chrome-plated supported shafting use part number SWMH-XX, tolerance is h7

Dimensions (mm) – Case hardened steel (1050)

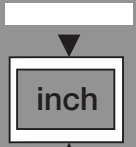
Part No.	d (mm)	H (mm)	H1 (mm)	A (mm)	A1 (mm)	A2 (mm)	d1	d2 (mm)	T (mm)	C5/C6 min.	C5/C6 max.	Weight (kg/m)
	h6											
	±0.02											
	±0.02											
SWUMN-12	12	14.5	3	11	5.5	5.4	M4	4.5	75	20	57	1.62
SWUMN-16	16	18	3	14	7.0	7.0	M5	5.5	75	20	57	2.54
SWUMN-20	20	22	3	17	8.5	8.1	M6	6.6	75	20	57	3.81
SWUMN-25	25	26	3	21	10.5	10.3	M8	9.0	75	20	57	5.62
SWUMN-30	30	30	3	23	11.5	11.0	M10	11.0	100	20	69.5	7.63
SWUMN-40	40	39	4	30	15.0	15.0	M12	13.5	100	20	69.5	13.47
SWUMN-50	50	46	5	35	17.5	19.0	M14	15.5	100	20	69.5	20.31

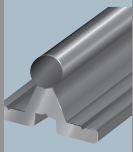
Narrow undersupported rail comes unassembled

For chrome-plated supported shafting use part number SWUMHN-XX, tolerance is h7

DryLin® R  
Linear Guide Systems

PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)





# DryLin® R Stainless Steel Shafting - EWM / EEWM / EWMR / EWMS

DryLin® R  
Linear Guide Systems

Telephone 1-800-521-2747  
Fax 1-401-438-7270

Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>

49.64



- Materials available  
(440c) Hard stainless  
(420c) Hard stainless  
(304) Soft stainless  
(316) Soft stainless
- Supported or unsupported
- T2 hole spacing standard, T1 optional
- Max undersupport rail length - 600 mm
- Symmetric hole pattern C5 = C6

## Dimensions (mm) – Hardened Stainless (440c/1.4125)

Part No.	d ISO h6	Weight (kg/m)	Max. Length (mm)	Hardness Depth (mm)
EWM-06	06	0.222	3000	0.8
EWM-08	08	0.359	4000	0.9
EWM-10	10	0.617	4000	0.9
EWM-12	12	0.888	6000	1.0
EWM-16	16	1.578	6000	1.2
EWM-20	20	2.466	6000	1.6
EWM-25	25	3.853	6000	1.8
EWM-30	30	5.549	6000	2.0
EWM-40	40	9.865	6000	2.2
EWM-50	50	15.413	6000	2.4

## Dimensions (mm) – Hardened Stainless (420c/1.4034)

Part No.	d ISO h6	Weight (kg/m)	Max. Length (mm)	Hardness Depth (mm)
EEWM-06	06	0.222	3000	0.8
EEWM-08	08	0.359	4000	0.9
EEWM-10	10	0.617	4000	0.9
EEWM-12	12	0.888	6000	1.0
EEWM-16	16	1.578	6000	1.2
EEWM-20	20	2.466	6000	1.6
EEWM-25	25	3.853	6000	1.8
EEWM-30	30	5.549	6000	2.0
EEWM-40	40	9.865	6000	2.2
EEWM-50	50	15.413	6000	2.4

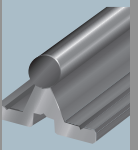
## Dimensions (mm) – Soft Stainless (304/1.4301)

Part No.	d ISO h9	Weight (kg/m)	Max. Length (mm)
EWMR-10	10	0.617	4000
EWMR-12	12	0.888	6000
EWMR-16	16	1.578	6000
EWMR-20	20	2.466	6000
EWMR-25	25	3.853	6000
EWMR-30	30	5.549	6000

## Dimensions (mm) – Soft Stainless (316/1.4571)

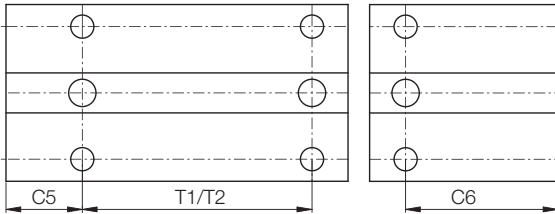
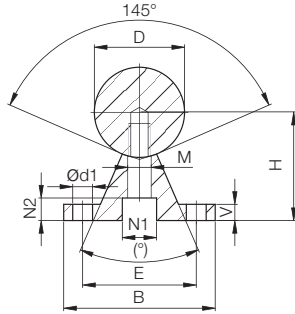
Part No.	d ISO h9	Weight (kg/m)	Max. Length (mm)
EWMS-10	10	0.617	4000
EWMS-20	20	2.466	6000





EWUMN

EWUM



Dimensions (mm) – Supported Stainless (440c)

Part No.	D (mm) h6	B (mm)	H (mm) ±0.02	V (mm)	N1 (mm)	N2 (mm)	d1 (mm)	M (mm)	(°)	E (mm)	T1* (mm) ±0.15	C5/C6 min. max. for T1		T2 (mm) Standard	C5/C6 min. max. for T2 Standard		Weight (kg/m)
												min.	max.		min.	max.	
EWUM-12	12	40	22	5	8.0	5.0	4.5	5.8	50	29	75	20	57	120	20	79	1.75
EWUM-16	16	45	26	5	9.5	6.0	5.5	7.0	50	33	100	20	69	150	20	94	2.64
EWUM-20	20	52	32	6	11.0	6.5	6.6	8.3	50	37	100	20	69	150	20	94	3.97
EWUM-25	25	57	36	6	14.0	8.5	6.6	10.8	50	42	120	20	79	200	20	119	5.65
EWUM-30	30	69	42	7	17.0	10.5	9.0	11.0	50	51	150	20	94	200	20	119	7.93
EWUM-40	40	73	50	8	17.0	10.5	9.0	15.0	50	55	200	20	119	300	20	169	12.88
EWUM-50	50	84	60	9	19.0	12.5	11.0	19.0	46	63	200	20	119	300	20	169	19.60

\* T1 optional, T2 standard

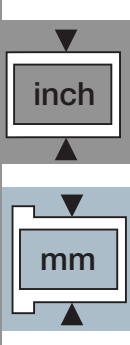
Dimensions (mm) – Narrow Supported Stainless (440c)

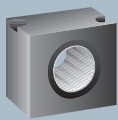
Part No.	d (mm) h6	H (mm)	H1 (mm) ±0.02	A (mm)	A1 (mm)	A2 (mm) ±0.02	d1	d2 (mm)	T (mm)	C5/C6 min.	C5/C6 max.	Weight (kg/m)
EWUMN-12	12	14.5	3	11	5.5	5.4	M4	4.5	75	20	57	1.62
EWUMN-16	16	18	3	14	7.0	7.0	M5	5.5	75	20	57	2.54
EWUMN-20	20	22	3	17	8.5	8.1	M6	6.6	75	20	57	3.81
EWUMN-25	25	26	3	21	10.5	10.3	M8	9.0	75	20	57	5.62
EWUMN-30	30	30	3	23	11.5	11.0	M10	11.0	100	20	69.5	7.63
EWUMN-40	40	39	4	30	15.0	15.0	M12	13.5	100	20	69.5	13.47
EWUMN-50	50	46	5	35	17.5	19.0	M14	15.5	100	20	69.5	20.31

Narrow supports are not assembled

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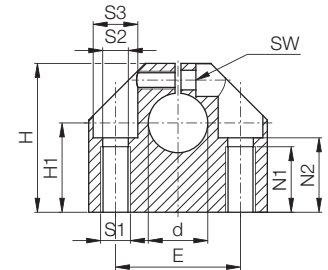
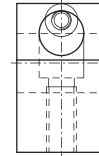
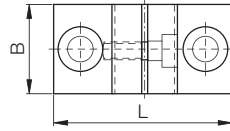
PDF: [www.igus.com/drylin-pdfs](http://www.igus.com/drylin-pdfs)  
CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)





**Special Properties**

- Material: aluminum



**Dimensions (mm)**

Part No.	d	B	H	H1 ±0,02	L	S1	S2	S3	E ±0,1	N1	N2	SW	Weight (kg)
WA-08	8	18	28	15	32	M4	3.3	6	22	9	13.0	2.5	0.04
WA-12	12	20	35	20	43	M6	5.2	10	30	13	16.5	3.0	0.10
WA-16	16	24	42	25	53	M8	6.8	11	38	18	21.0	4.0	0.15
WA-20	20	30	50	30	60	M10	8.6	15	42	22	25.0	5.0	0.23
WA-25	25	38	60	35	78	M12	10.3	18	56	26	30.0	6.0	0.41
WA-30	30	40	70	40	87	M12	10.3	18	64	26	34.0	6.0	0.53
WA-40	40	48	90	50	108	M16	14.25	20	82	34	44.0	8.0	0.99
WA-50*	50	58	105	60	132	M20	17.5	26	100	43	49.0	10.0	1.25

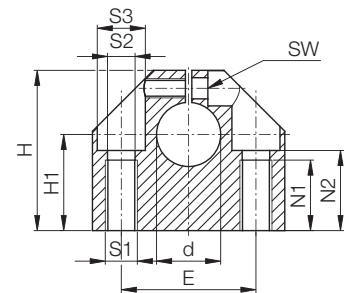
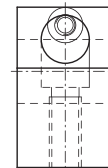
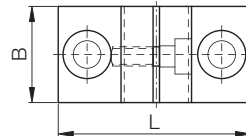
\* on request

**WAC Shaft Block, Compact Design, mm**



**Special Properties**

- Material: aluminum

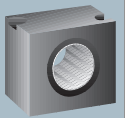


**Dimensions (mm)**

Part No.	d	B	H	H1 ±0.01	L	S1	S2	S3	E ±0.12	N1	N2	SW	Weight (kg)
WAC-06*	6	16	27	15	32	M5	4.2	8	22	11	13	2.5	0.03
WAC-08	8	16	27	16	32	M5	4.2	8	22	11	13	2.5	0.03
WAC-10	10	18	33	18	40	M6	5.2	10	27	13	16	3.0	0.05
WAC-12	12	18	33	19	40	M6	5.2	10	27	13	16	3.0	0.05
WAC-14*	14	20	38	20	45	M6	5.2	10	32	13	18	3.0	0.07
WAC-16	16	20	38	22	45	M6	5.2	10	32	13	18	3.0	0.07
WAC-20	20	24	45	25	53	M8	6.8	11	39	18	22	4.0	0.12
WAC-25	25	28	54	31	62	M10	8.6	15	44	22	26	5.0	0.17
WAC-30	30	30	60	34	67	M10	8.6	15	49	22	29	5.0	0.22
WAC-40	40	40	76	42	87	M12	10.3	18	66	26	38	6.0	0.48
WAC-50*	50	50	92	50	103	M16	14.25	20	80	34	46	8.0	0.82

\* on request

# WAS Shaft Block, Narrow Design, mm



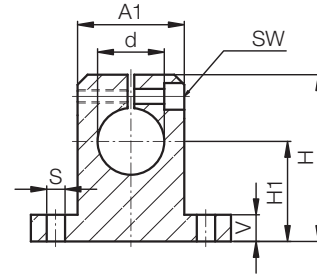
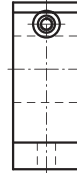
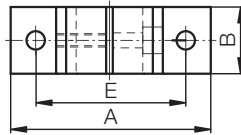
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CAD: [www.igus.com/drylin-CAD](http://www.igus.com/drylin-CAD)  
RoHS info: [www.igus.com/RoHS](http://www.igus.com/RoHS)



## Special Properties

- Material: aluminum



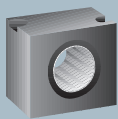
## Dimensions (mm)

Part No.	d	H	H1 ±0.02	A	A1	B	E	S	V	SW	Weight (kg)
WAS-08	8	27	15	32	16	10	25	4.5	5.0	2.5	0.012
WAS-12	12	35	20	42	20	12	32	5.5	5.5	3.0	0.023
WAS-16	16	42	25	50	26	16	40	5.5	6.5	3.0	0.035
WAS-20	20	50	30	60	32	20	45	5.5	8.0	3.0	0.067
WAS-25	25	58	35	74	38	25	60	6.6	9.0	4.0	0.140
WAS-30	30	68	40	84	45	28	68	9.0	10.0	5.0	0.200
WAS-40	40	86	50	108	56	32	86	11.0	12.0	6.0	0.480



inch

mm



## TA Shaft End Support, Movable\*, mm

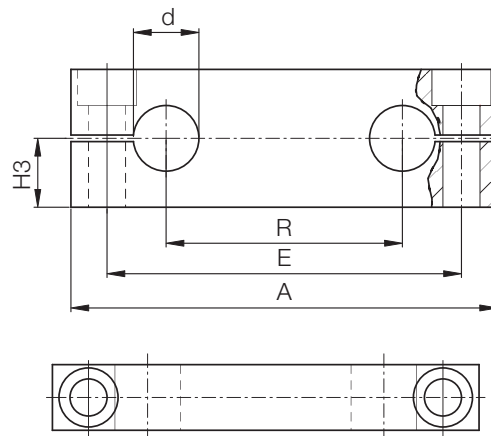
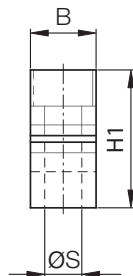
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1-401-438-7270  
Fax



### Special Properties

- Material: aluminum
- Thread hole mount



### Dimensions (mm)

Part No.	d	A	B	H1	H3 ±0,015	S	E	R	Weight (kg)
TA-08	8	65	12	22	11	M5	52	32	0.04
TA-12	12	85	14	28	14	M6	70	42	0.07
TA-16	16	100	18	32	16	M8	82	54	0.13
TA-20	20	130	20	42	21	M10	108	72	0.22
TA-25	25	160	25	52	26	M12	132	88	0.44
TA-30	30	180	25	58	29	M12	150	96	0.56
TA-40	40	230	30	72	36	M16	190	122	1.00

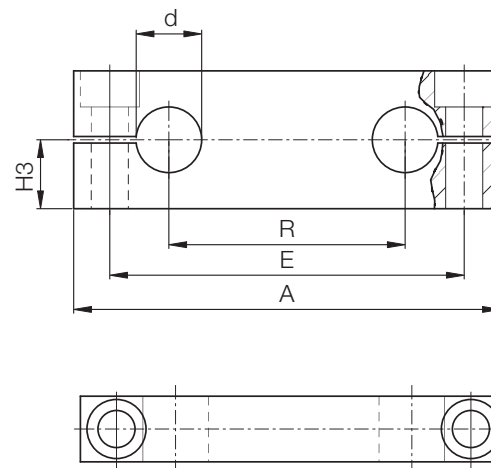
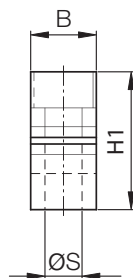
\*To be used when linear glide carriage is mounted and shaft is driven

## TAF Shaft End Support, Fixed\*, mm



### Special Properties

- Material: aluminum
- Plain bore



### Dimensions (mm)

Part No.	d	A	B	H1	H3 ±0,015	R	S	E	Weight (kg)
TAF-08	8	65	12	23	12.5	32	5.5	52	0.04
TAF-12	12	85	14	32	18.0	42	6.6	70	0.09
TAF-16	16	100	18	36	20.0	54	9.0	82	0.14
TAF-20	20	130	20	46	25.0	72	11.0	108	0.25
TAF-25	25	160	25	56	30.0	88	13.5	132	0.47
TAF-30	30	180	25	64	35.0	96	13.5	150	0.62
TAF-40	40	230	30	80	44.0	122	17.5	190	1.15

\*To be used when shaft is stationary and the carriage is driven

Internet: <http://www.igus.com>  
email: [sales@igus.com](mailto:sales@igus.com)  
QuickSpec: <http://www.igus.com/drylin-quickspec>

# DryLin® Analysis Worksheet



Online Lifetime  
Calculation  
www.igus.com



Please enter as much data as possible.  
Most applications questions can be answered with just a partial amount of data.  
**Please call us if you have any questions (Tel: 1-888-803-1895).**  
**You may fax this worksheet to 401-438-7680**

Application: .....

Current guide system: .....

Installation position (1=horizontal, 2=vertical, 3=lateral): .....

Number of bearings per rail/shaft: .....Number of rails/shafts: .....

Type of drive: .....Drive force [lbs]: .....

Average speed: .....Maximum speed: .....

Length of stroke: .....Expected service life: .....

Operating time: .....

Ambient temperature .....Maximum temperature:.....

Surrounding medium: .....Lubrication:.....

Static Load: .....Dynamic Load:.....

For the following data, the drawings on the reverse side will help you!

Distance between bearings/carriages on a rail/shaft (wx) : .....

Distance between rails/shafts (b) : .....

Distance of the mass force in the x-direction (Sx) : .....

Distance of the mass force in the y-direction (Sy) : .....

Distance of the mass force in the z-direction (Sz) : .....

Distance of the drive force in the y-direction (ay) : .....

Distance of the drive force in the z-direction (az) : .....

Please enter all the data you know and if possible make a schematic drawing.

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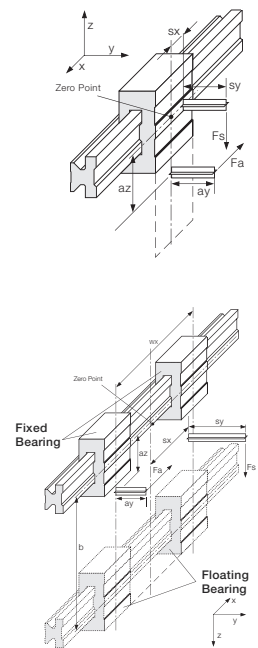
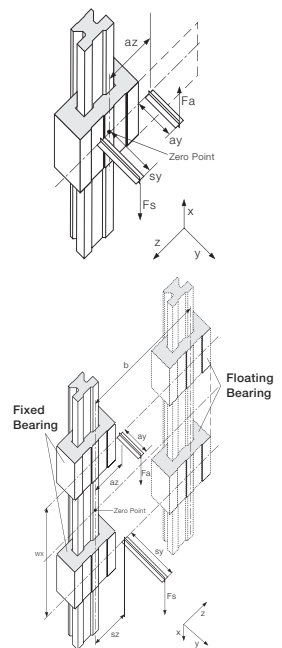
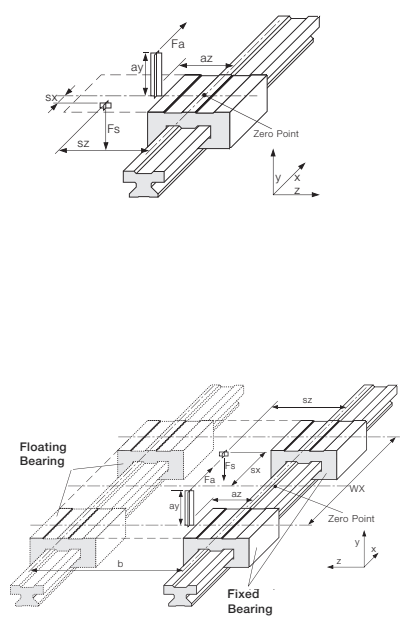
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## Horizontal Orientation

## Vertical Orientation

## Lateral Orientation





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