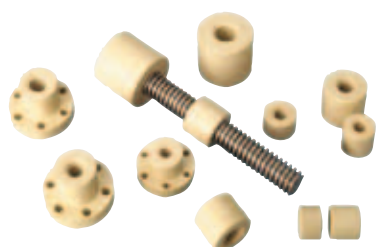




drylin® SD Lead Screw Drives



Maintenance-free, dry operation

High efficiency

Low noise

Insensitive to dirt and dust

Corrosion-free

Trapezoidal thread and high helix thread

Anti-backlash function available

FDA approval available

Lead screw drives are machine elements that convert a rotary motion into a translational motion. drylin® lead screw drives are always based on self-lubricating plastic nuts and thus enable a life-long operation without external lubrication.

The lead screw (trapezoidal or high-helix thread) remains dry, therefore providing a host of technical benefits. For instance, dirt cannot adhere to the lubricants. On the one hand, this means that drylin® lead screw drives are extremely insensitive to dirt, and on the other, can be used in hygienic applications. Various lead screws cover a broad application spectrum. Classic format adjustments and lifting

applications can be implemented with the self-locking trapezoidal thread. Quick adjustments or handling utilize the high ratio of the high helix thread. All lead screws are available in steel or stainless steel and provide a corrosion-free solution in combination with drylin® lead screw nuts made from iglidur® plastics.



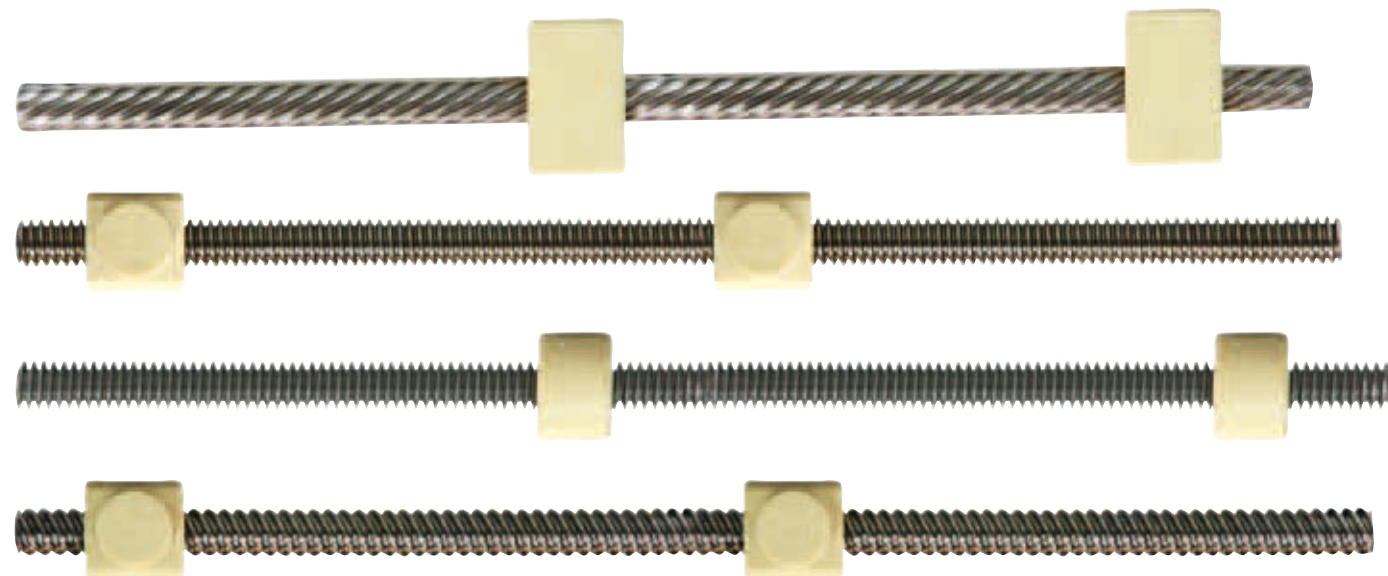
Benefits:

- Maintenance-free, dry operation, enabling use in a very clean environments
- Low noise
- High insensitivity to dust and dirt
- Corrosion-free
- Low weight
- Low coefficient of friction in dry operation
- Clearance-free with anti-backlash function (optionally)
- Vibration damping



When not to use it?

- For required positioning accuracy below 10 µm
- In dynamic high load applications
- When an efficiency greater than 80 % is required

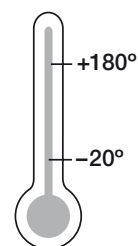


No lubrication
required



Free of toxins ROHS
2002/95/EC

Temperature



Product range

48 dimensions with up
to 7 nut version in up to
10 different materials

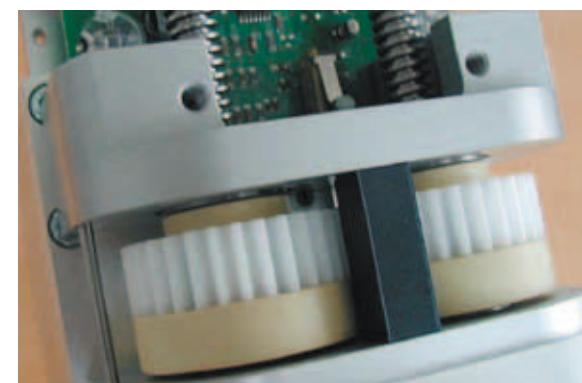
Typical industrial sectors and application areas

- Typeat adjustments
- Drive technology
- Lab and medical technology
- Fitness and rehabilitation equipment
- Optical equipment
- Furniture industry
- Automotive industry
- Traffic engineering
- Solar technology
- Safety engineering
- Printing industry
- Sewage technology
- Valve technology, etc.

Improve technology and reduce costs - 170

other exciting applications can be found online

► www.igus.eu/eu/drylinApplications



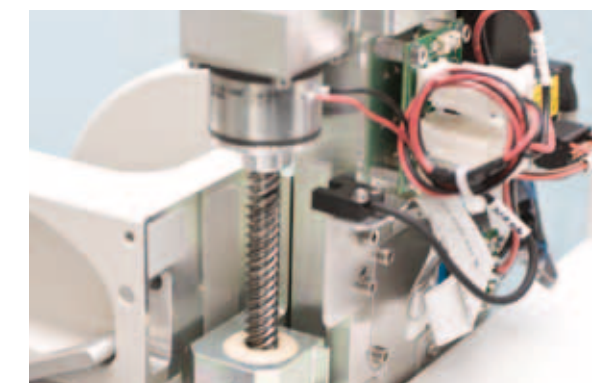
Two-component mixing unit



Laser marking unit



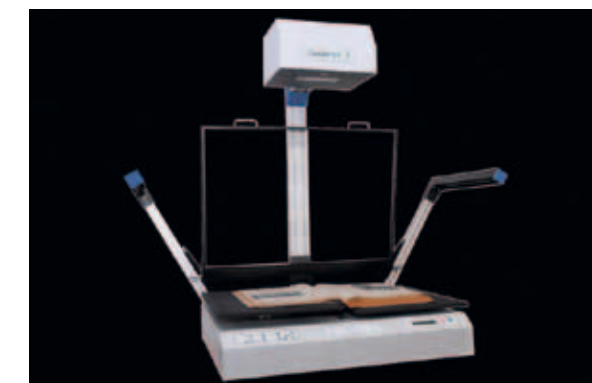
Can opener: drive for the height adjustment



Lab equipment for liquid handling



Lead screw nut in block valve



Book scanning



drylin® lead screw drives run without maintenance or lubrication on different lead screw materials, because the nuts are made from iglidur® high-performance tribo-polymers. These lead screw nuts, compared to the nuts requiring maintenance and lubrication, offer substantial advantages especially for application areas in the packaging technology (cleaning) and applications involving high dust and dirt exposure (textile, quarry, and wood processing machines) and applications that are cleaned (packaging and food processing machines).

Radial forces

drylin® lead screw nuts are designed to absorb axial forces. Any radial forces that may occur in the application should be absorbed by additional linear guides.

► drylin® linear guides, starting from **page 883**

Temperature

drylin® lead screw nuts, which are manufactured from maintenance-free iglidur® materials, are principally suited for use in temperatures ranging from –20 °C to +90 °C (150 °C, depending on material). However, please note that a thermal expansion related change occurs in the play, in addition to a change in the maximum rated load. When the application is exposed to particularly low or high temperatures, we recommend testing the suitability of the lead screw nuts for the specific case by means of empirical experiments. In order to provide for the use in all temperature ranges, we have lead screw nuts available in various clearance classes.

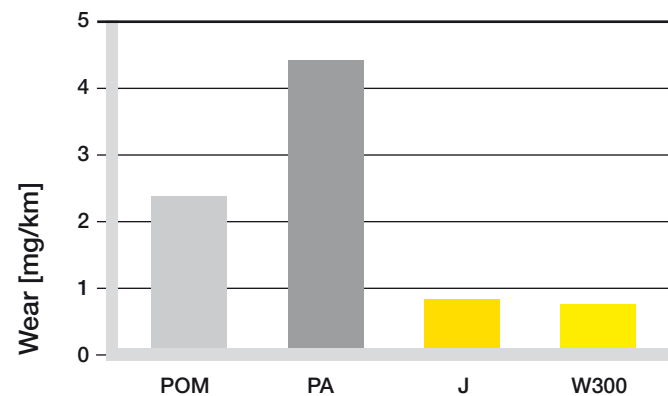
Wet applications

Trapezoidal lead screw nuts from iglidur® J or iglidur® A180 must be employed for applications in humid environments, especially for wet applications. These materials are characterized by very low moisture absorption.

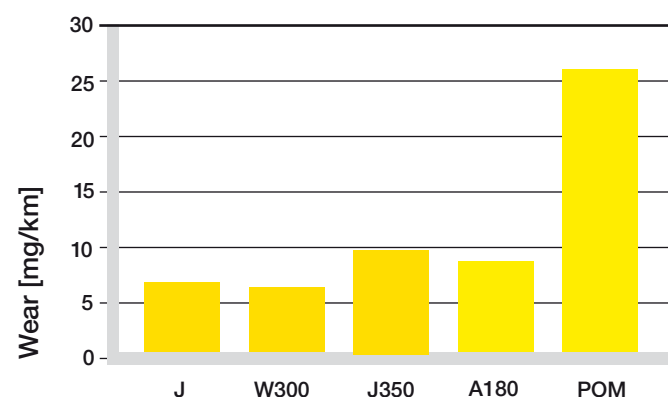
► iglidur® J, **page 109** and ► iglidur® A180, **page 411**

Dirt

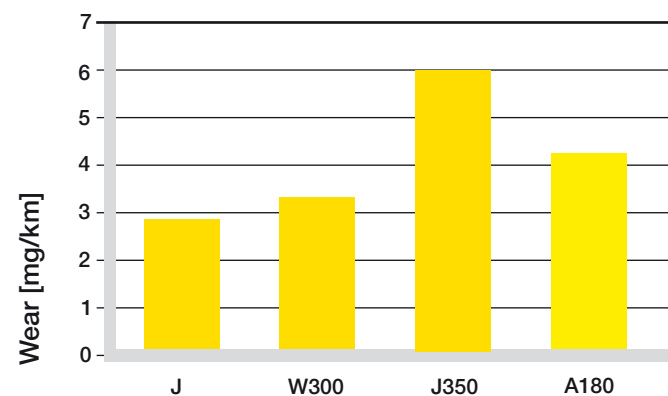
By rigorously employing the maintenance-free iglidur® materials for lead screw nut production, drylin® lead screw drives feature completely dry-running travel. By deliberately avoiding lubricants, the adhesion of soft particles, such as dust and fibers is notably reduced. As compared to conventional, lubricated materials, it is common to see significant improvements in the service life in contaminated environments. However, in environments with significant contamination and hard particles, such as metal chips or granite dust, the lead screw should be covered.



Graph 01: Wear test on a rolled trapezoidal thread lead screw



Graph 02: Wear test on a C15 lead screw [mg/km] stroke 140 mm, 50 N, lead screw C15 rolled, 450 rpm



Graph 03: Wear test on a VA lead screw [mg/km] stroke 140 mm, 50 N, lead screw C15 rolled, 450 rpm

Noise

Noise can generally occur with the use of gliding screw drives. In particular, long lead screws and long travel distances can cause self-induced vibrations in gliding systems. Due to their good gliding characteristics, lead screw nuts from the tribologically optimized iglidur® materials tend to develop less noise than conventional plastics or metallic materials, such as bronze or brass. If your gliding screw drive develops noise, please contact us to discuss this with our experts

► Anti-backlash nut, **page 1088**.

Lead screw drive inspection

drylin® lead screw drives are manufactured in accordance with DIN 103. Inspection is performed with standardized thread plug gauges after production. The DIN 103 standard is converted to the corresponding size for any thread sizes that are not shown in the standard table. The hygroscopic and thermal properties of the material must be taken into account during selection. Dimensional changes can occur as a result of moisture and/or thermal exposure at the point of use. For these reasons, general DIN-compatibility cannot be guaranteed.

Clearance

The functionality of gliding lead screw drives requires a basic amount of clearance. Application specific parameters must be observed in addition to the screw drive clearance caused by manufacturing tolerances. In addition to thermal and hygroscopic environmental influences, the minimum clearance to be accounted for in the application must also take into account the friction heat generated by the application. The use of gliding lead screw drives is therefore not recommended for precision drives without conducting functionality tests. In practice, pre-tensioning has proven to be an effective counter-measure for undesirable clearance. In addition to the solutions from our standard product range, our experts will gladly advise you about other measures.

Efficiency

Efficiency is the ratio between the output and input power rating. drylin® lead screw nuts are characterized by low friction values, resulting in high efficiencies. Single start trapezoidal lead screw nuts achieve efficiencies between 20 and 48% under dry running conditions. High helix lead screw nuts achieve efficiencies between 50 and 80% under dry running conditions. Even if drylin® lead screw nuts were developed for completely dry running conditions, lubrication can help to additionally increase efficiency.

Self locking

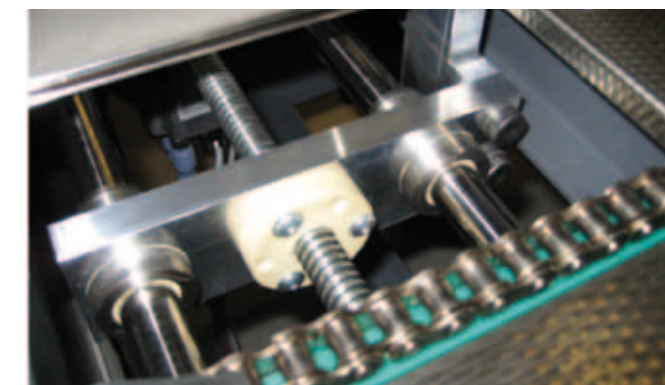
Single start trapezoidal lead screw drives are self-locking. This means that the flank angle and the sliding friction prevent movement of the nut or the lead screw without the application of outside forces. As soon as the static friction is exceeded, the components are no longer self-locking. Multi-start trapezoidal screw drives have a “residual self-locking” feature; high helix screw drives have no self-locking feature.

Anti-backlash lead screw nuts

Backlash is the phenomenon created in the screw drives by the axial clearance. By applying radial pre-tensioning with the help of spring-loaded elastomers, vibrations and self-induced vibrations (frequently the cause for noise, especially with long lead screws and high RPMs) are significantly reduced.



Anti-backlash lead screw nuts in a glue application system of a seam gluing machine (wood industry). These ensure the utmost in precision for this clearance-free adjustment drive.



Type adjustment in the paper industry with anti-backlash lead screw nut

Zero-backlash lead screw nuts

Lead screw drives with high helix threads for fast travel with small loads. The zero backlash principle provides for minimal backlash for the life of the product. Ideal for precise positioning and feed movements in medical, laboratory and printing systems and other life-science fields. High helix nuts without zero-backlash feature or trapezoidal thread should be used for high loads, dirt accumulation or extreme external influences.

Lead screw nut assembly

drylin® lead screw nuts must be secured against twisting and sway.

Flanged lead screw nuts

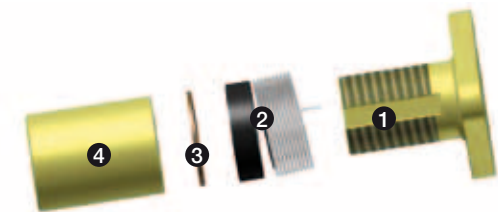
The maximum tightening torque for the assembly of flanged lead screw nuts is 2.5 Nm. We recommend that assembly screws are secured with a third medium (e.g liquid screw lock). Metallic ferrules should be used for even higher tightening torques.

Cylindrical lead screw nuts

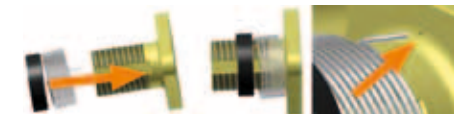
The outer diameter of cylindrical lead screw nuts is not designed for a press fit. We therefore recommend the use of a form fit as a locking feature, for instance by installing keyways. In practice, a screw mount has proven to be effective with low forces. Gluing lead screws nuts is principally not recommended. However, if lead screw nuts are nevertheless intended for gluing, suitable tests need to be performed under any circumstances.

Assembly of zero backlash lead screw nuts

- 1 Nut 2 Adjusting ring with torsion spring
- 3 Friction disc 4 Counternut



Screw the adjusting ring with the spring 2 approx. half-way onto the nut 1 and fix the ends of the spring in the corresponding holes.



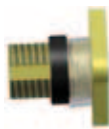
Continue to screw the adjusting ring onto the nut until the end to tension the torsion spring.



Slide the friction disc 3 and the counternut 4 over the adjusting ring. Please ensure that the adjusting ring does not rotate.



Press nut 1 and counternut 4 against each other and screw in the lead screw. Make sure that the adjusting ring maintains its preloaded position.



The adjusting ring can now be released. The nut will now assume a preloaded position on the lead screw.



Lead Screw selection

The suitability and the operating behavior of the system largely depend on the lead screws as the counter partner. We principally recommend purchasing the nut and lead screw as a system from a single source. Lead screws are inspected with DIN 103 compliant ring gauges. In principle, drylin® lead screw drives can be used in combination with lead screws made from steel, stainless steel or hard-anodized aluminum. “Split” lead screws (right and left-handed threads on one lead screw) are available in addition to right-handed and left-handed versions.

Custom lead screws

Take advantage of our machining service - we manufacture ready to install lead screws based on your needs. Please send us your drawing. We will submit an offer to you in a short time.



Custom lead screw example

Custom nuts

Take advantage of our machining service - we manufacture lead screws nuts based on your needs. Please send us your drawing We will submit an offer to you in a short time.



Custom nut examples

Material selection

Standard drylin® lead screw nuts are offered in 4 materials:

iglidur® J: This material is characterized by the best friction values with the most counter partners and low moisture absorption. ► iglidur® J, **page 109.**

iglidur® W300: This material features high static strength ► iglidur® W300, **page 151.**

iglidur® A180: This material meets the requirements of the FOOD AND DRUG ADMINISTRATION (FDA) and can therefore be used in direct contact with foods and pharmaceuticals. Please note that lead screw nuts from this material are made to order. ► iglidur® A180, **page 411.**

iglidur® J350: This material features high resistance to temperatures. Lead screw nuts from iglidur J350 can be used up to 150 degrees. Please note that lead screw nuts from this material are made to order. ► iglidur® J350, **page 257.**

iglidur®-Material	Surface pressure
iglidur® J	4.0 MPa
iglidur® W300	5.0 MPa
iglidur® A180	3.5 MPa
iglidur® J350	3.0 MPa

Table 01: Permitted continuous surface pressure in the threads

Service life time

drylin® lead screw nuts are made from tribologically optimized materials. Already during the development phase, the focus is on optimizing the friction properties of the drylin® lead screw drives, with the objective of attaining the lowest possible wear rates and good friction values. In order to make the most precise statements about service life and wear resistance, several hundred tests are conducted each year on the test stands at the igus® test lab in Cologne. Our experts will gladly test your application as well.



Test stand at the igus® lab to determine service life

Trapezoidal thread calculation

The load capacity of trapezoidal lead screw nuts made from high-performance polymers is dependent on the surface pressure, the surface speed and the resultant temperature. The temperature behavior is additionally influenced by the duty cycle, the lead screw length, as well as the selected lead screw material and its specific heat conductivity.

iglidur®-Material	rotating long-term
iglidur® J	1.5
iglidur® W300	1.0
iglidur® A180	0.8
iglidur® J350	1.3

Table 02: iglidur® materials gliding speeds in m/s

F _{axial}	Axial force
p _{real}	Actually occurring surface pressure for selected installation size, dependent on material ► Table 01, page 1063
P _{zul.}	max. permitted surface pressure
A _{e real}	Percentage of surface contact area of the selected trapezoidal lead screw nut
p	Lead
pv-Value	p _{real} x v
d1	Diameter
M _{ta}	Drive torque [Nm] when converting a rotating motion into a linear motion
M _{te}	Drive torque [Nm] when converting a linear motion into a rotating motion
v	Surface speeds [m/s]
s	Feed [m/s]
n	RPM [min ⁻¹]
η	Efficiency

Graph 04: Legend for the formula chart

Required percentage of surface contact area:

$$A_e = \frac{F_{axial}}{p_{zul.}} \quad [mm^2]$$

Selection of the required thread size and determination of the actual surface pressure:

$$p_{real} = \frac{F_{axial}}{A_{e \text{ real}}} \quad [MPa]$$

pv-Value:

$$pv = p_{real} \cdot v$$

Surface speeds:

$$v = \frac{n \cdot d1 \cdot \pi}{60,000} \quad [m/s]$$

RPMs:

$$n = \frac{v \cdot 1,000 \cdot 60}{\pi \cdot d1} \quad [1/min]$$

Feed rate:

$$s = \frac{n \cdot p}{60,000} \quad [m/s]$$

Drive torque:

$$M_{ta} = \frac{F_{axial} \cdot p}{2,000 \cdot \pi \cdot \eta}$$

$$M_{te} = \frac{F_{axial} \cdot p \cdot \eta}{2,000 \cdot \pi}$$

Graph 05: Formula chart - lead screw drives

Predictable lifetime for lead screw drives now online available

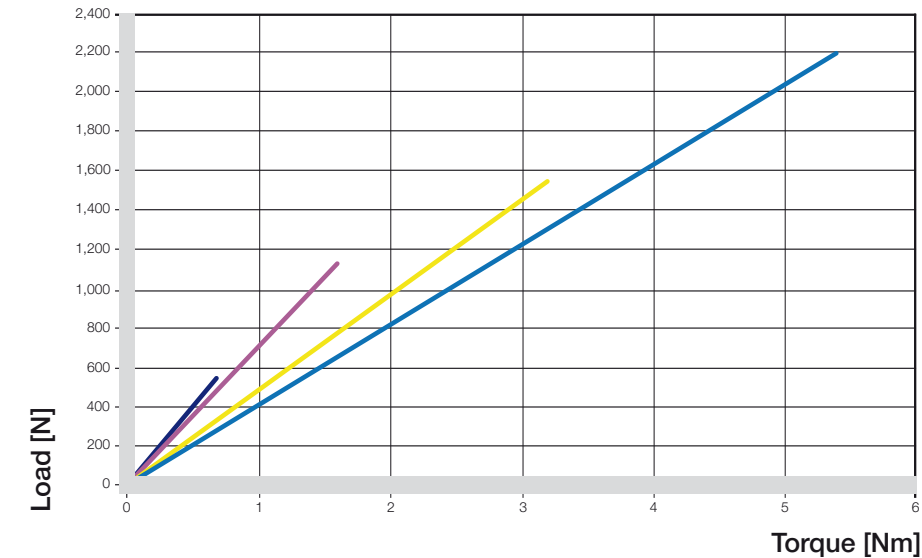


Starting immediately, lead screw units with iglidur® plastic nuts can be configured online. The selection refers to various lead screw and nut materials, for which the suitability for the application and the expected service life can be calculated. The selected products can then be quickly and easily ordered on-line. The current delivery time for standard components is 24-48 hours. Materials are available for high efficiencies, wear resistance, high temperatures, as well as FDA compliance.

► www.igus.eu/leadcrewdrives-lifetime

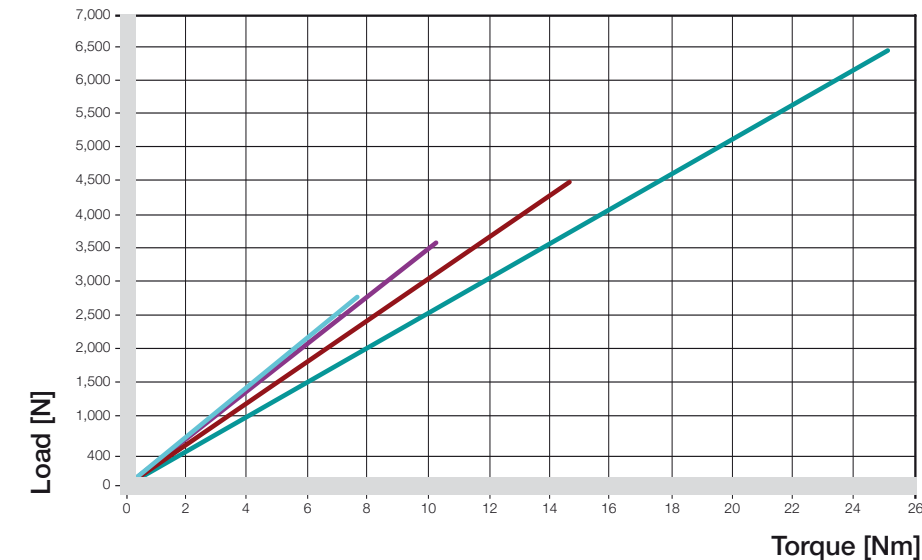
Required drive torque

The required drive torque of the lead screw nut is determined by the axial load, the pitch of the lead screw, the sliding coefficient of the lead screw drives and the lead screw supports. At high speeds, the acceleration torque must also be taken into account; depending on the installation situation, increased break away torque may also occur. Dirt, dust and the surface and/or leadscrew condition can additionally increase drive torque. Lubrication can temporarily reduce the required drive forces.



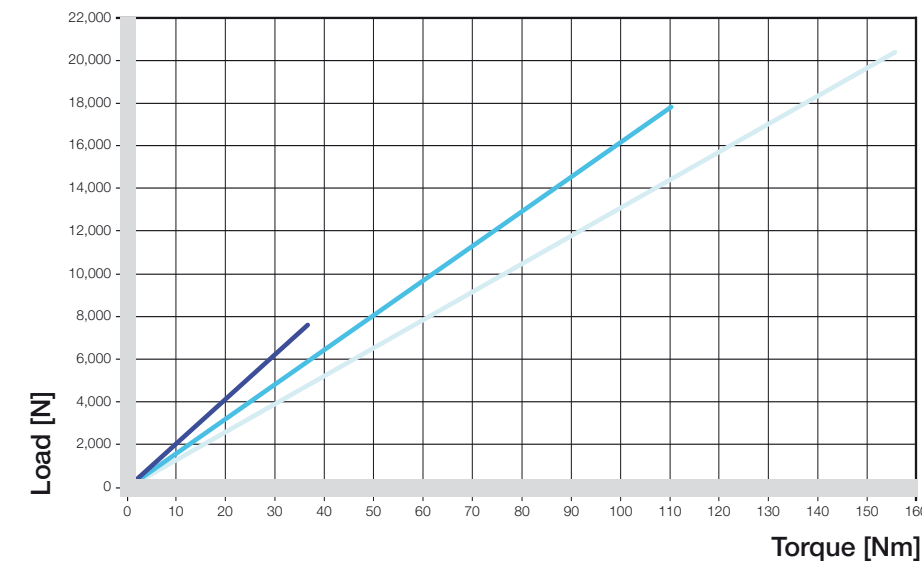
TR8x1.5 TR10x2
TR12x3 TR14x4

Graph 06:
Required drive torque
Lead screw drives ø8 to ø14
- assuming $\mu = 0.25$, without
consideration given to the lead
screw supports.



TR16x4 TR18x4
TR20x4 TR24x5

Graph 07:
Required drive torque
Lead screw drives ø16 bis ø24
- assuming $\mu = 0.25$, without
consideration given to the lead
screw supports.



TR30x6 TR40x7
TR50x8

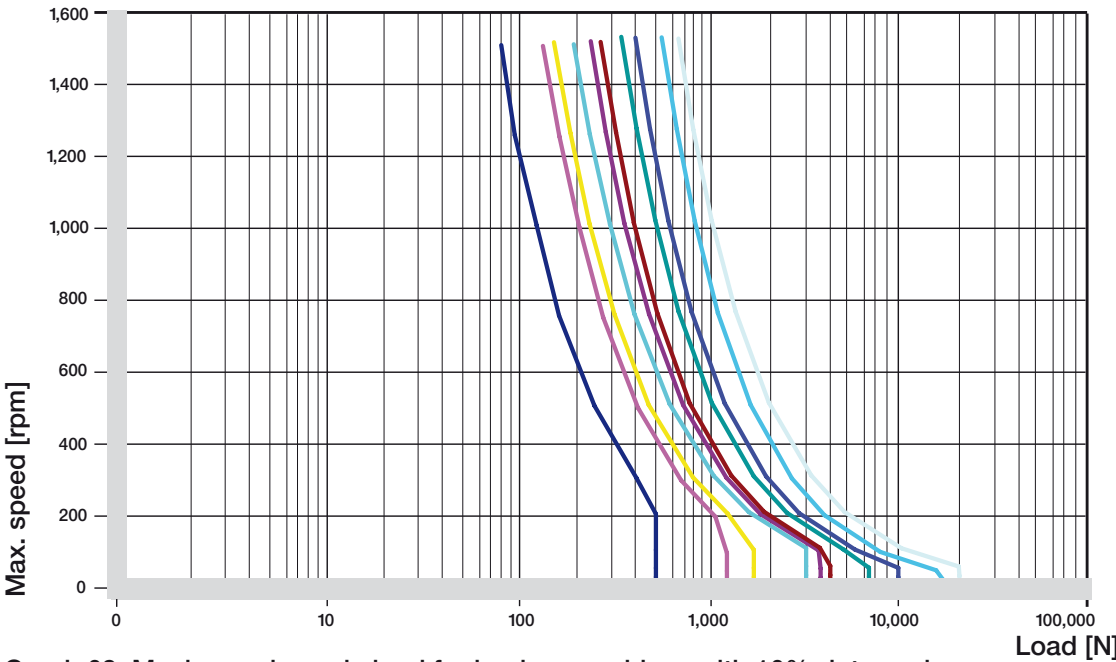
Graph 08:
Required drive torque
Lead screw drives ø30 bis ø50
- assuming $\mu = 0.25$, without
consideration given to the lead
screw supports.

Max. acceptable pv-value

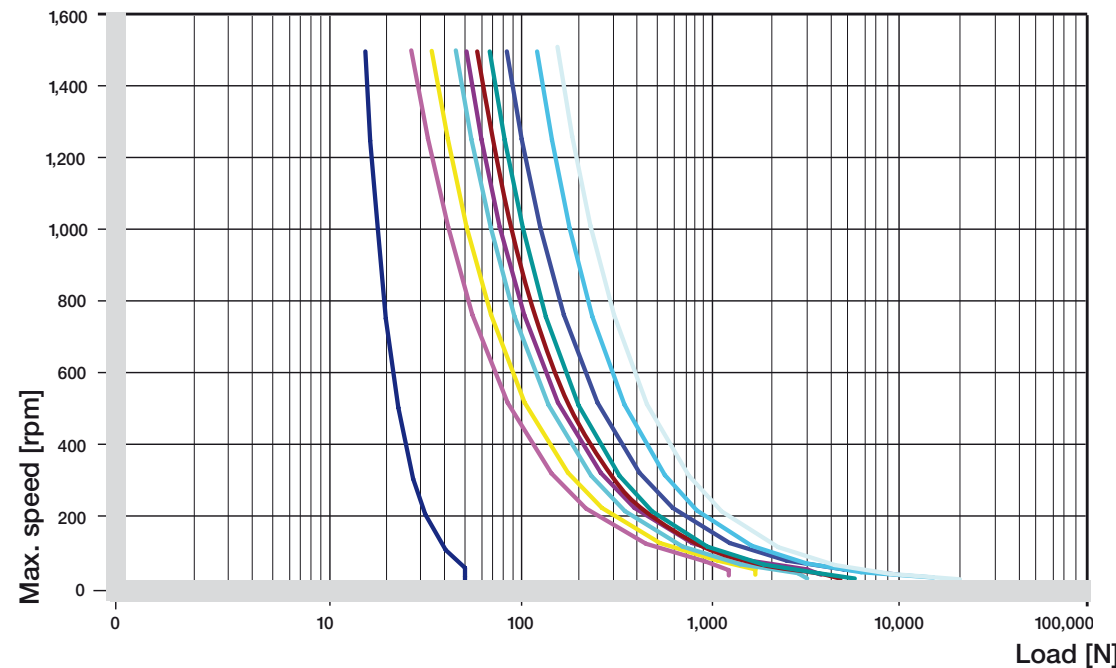
With the pv-value and the surface bearing length ratio specified in the dimension tables, the permissible surface speed and the feed rate can be determined for each thread size.

Duty cycle (ESD)	$p_v\text{-Value}_{\max.}$ [MPa · m/s] (applies to iglidur® J, W300, A180 and J350)
100 %	0.08
50 %	0.2
10 %	0.4

Table 03: Reference values when using drylin® plastic nuts without lubrication (with stroke 500 mm). A compensation factor must be used with very short or very long strokes.



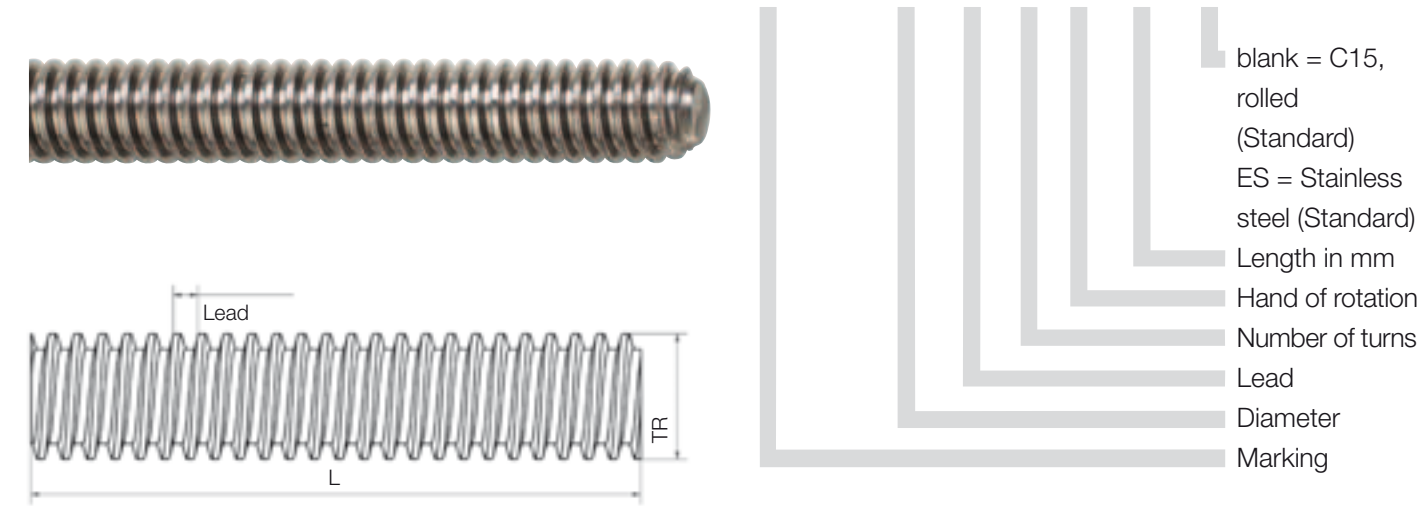
Graph 09: Maximum dynamic load for lead screw drives with 10% duty cycle



Graph 10: Maximum dynamic load for lead screw drives with 100% duty cycle

TR8x1.5 TR10x2 TR12x3 TR16x4 TR18x4
TR20x4 TR24x5 TR30x6 TR40x7 TR50x8

Trapezoidal lead screws



i Helix deviation 0.1 mm / 300 mm
Straightness 0.3 mm / 300 mm
Tolerance 7e (DIN 103)

Single start trapezoidal lead screws - Dimensions [mm]

Part number	Thread	Ø	Lead	Max. Length***
PTGSG-8x1.5-01-R*- <input type="text"/> **	TR8x1,5	8	1.5	1,000
PTGSG-10x2-01-R*- <input type="text"/> **	TR10x2	10	2	1,000
PTGSG-10x3-01-R*- <input type="text"/> **	TR10x3	10	3	1,000
PTGSG-12x3-01-R*- <input type="text"/> **	TR12x3	12	3	2,000
PTGSG-14x3-01-R*- <input type="text"/> **	TR14x3	14	3	2,000
PTGSG-14x4-01-R*- <input type="text"/> **	TR14x4	14	4	2,000
PTGSG-16x2-01-R*- <input type="text"/> **	TR16x2	16	2	2,000
PTGSG-16x4-01-R*- <input type="text"/> **	TR16x4	16	4	2,000
PTGSG-18x4-01-R*- <input type="text"/> **	TR18x4	18	4	3,000
PTGSG-20x4-01-R*- <input type="text"/> **	TR20x4	20	4	3,000
PTGSG-24x5-01-R*- <input type="text"/> **	TR24x5	24	5	3,000
PTGSG-26x5-01-R*- <input type="text"/> **	TR26x5	26	5	3,000
PTGSG-28x5-01-R*- <input type="text"/> **	TR28x5	28	5	3,000
PTGSG-30x6-01-R*- <input type="text"/> **	TR30x6	30	6	3,000
PTGSG-36x6-01-R*- <input type="text"/> **	TR36x6	36	6	3,000
PTGSG-40x7-01-R*- <input type="text"/> **	TR40x7	40	7	3,000
PTGSG-50x8-01-R*- <input type="text"/> **	TR50x8	50	8	3,000

Two start trapezoidal lead screws - Dimensions [mm]

Part number	Thread	Ø	Lead	Max. Length
PTGSG-06x2P1-02-R*-ES <input type="text"/> **	TR06x2P1	6	2	500
PTGSG-12x6P3-02-R*- <input type="text"/> **	TR12x6P3	12	6	2,000
PTGSG-16x8P4-02-R*- <input type="text"/> **	TR16x8P4	16	8	2,000
PTGSG-18x8P4-02-R*- <input type="text"/> **	TR18x8P4	18	8	2,000
PTGSG-20x8P4-02-R*- <input type="text"/> **	TR20x8P4	20	8	2,000***

* also available with left-hand thread “-L”, ** Length in mm, *** Other sizes on request
Please use the “-ES” suffix for stainless steel lead screws; please use the “-C45” suffix for lead screws made from C45

Trapezoidal lead screws made from anodized aluminum

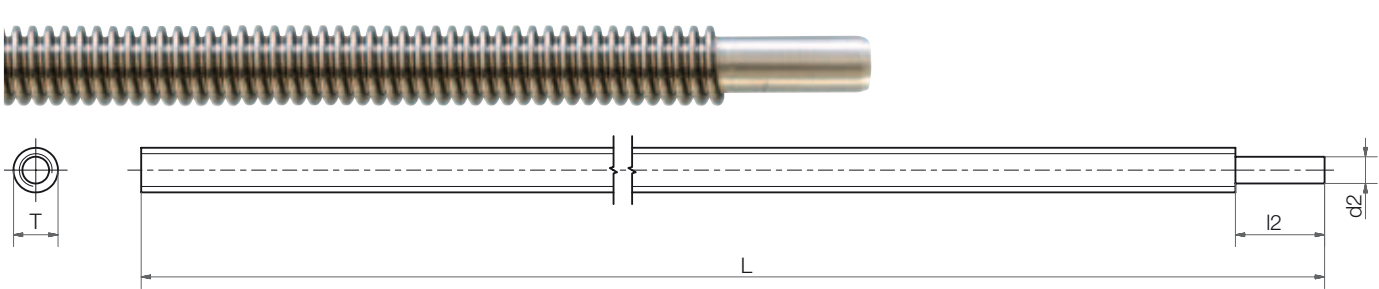


Dimensions [mm]

Part number	Thread	Ø	Lead	Max. Length
PTGSG-10x2-01-R*- <input type="text"/> **-AL	TR10x2	10	2	1,000
PTGSG-12x3-01-R*- <input type="text"/> **-AL	TR12x3	12	3	1,000
PTGSG-16x4-01-R*- <input type="text"/> **-AL	TR16x4	16	4	1,000
PTGSG-18x4-01-R*- <input type="text"/> **-AL	TR18x4	18	4	2,000
PTGSG-20x4-01-R*- <input type="text"/> **-AL	TR20x4	20	4	2,000

* also available with left-hand thread „-L”, ** Length in mm

Trapezoidal lead screws with pin



Dimensions [mm]

Part number	Thread	l2	d2	Material	Max. Length
PTGSG-10X2-01-R- <input type="text"/> *-Z17	TR10x2	17	6 h9	C15	1,000
PTGSG-10X2-01-R- <input type="text"/> *-Z-17-ES	TR10x2	17	6 h9	ES	1,000
PTGSG-14X4-01-R- <input type="text"/> *-Z-20	TR14x4	20	8 h9	C15	2,000
PTGSG-14X4-01-R- <input type="text"/> *-Z-20-ES	TR14x4	20	8 h9	ES	2,000
PTGSG-18X4-01-R- <input type="text"/> *-Z-118	TR18x4	118	12 h9	C15	2,000
PTGSG-18X4-01-R- <input type="text"/> *-Z-118-ES	TR18x4	118	12 h9	ES	2,000
PTGSG-24X5-01-R- <input type="text"/> *-Z-144	TR24x5	144	14 h9	C15	2,000
PTGSG-24X5-01-R- <input type="text"/> *-Z-144-ES	TR24x5	144	14 h9	ES	2,000

* Length in mm, with left-hand thread on request

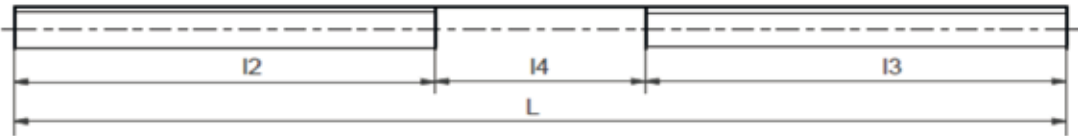
i All drylin® precision leads screws can be custom machined. Please send us your drawing. We will submit an offer to you in a short time.
We will also gladly offer metric lead screws, custom materials or more accurate versions.

drylin® SD Lead Screw Drives | Product Range

Counter rotating lead screws



PTGSG-10x2-R/L-100-100



Dimensions [mm]

Part number	Thread	I4	Length
PTGSG-10x2-R/L- <input type="text"/> ¹⁾ - <input type="text"/> ²⁾	TR10x2	20	1,000
PTGSG-14x4-R/L- <input type="text"/> ¹⁾ - <input type="text"/> ²⁾	TR14x4	30	1,000
PTGSG-18x4-R/L- <input type="text"/> ¹⁾ - <input type="text"/> ²⁾	TR18x4	55	1,500
PTGSG-24x5-R/L- <input type="text"/> ¹⁾ - <input type="text"/> ²⁾	TR24x5	60	2,000

¹⁾ Length right-thread (I3)

²⁾ Length left-thread (I2)

All dimensions also available in stainless steel. Please add suffix "-ES"



delivery from stock
time



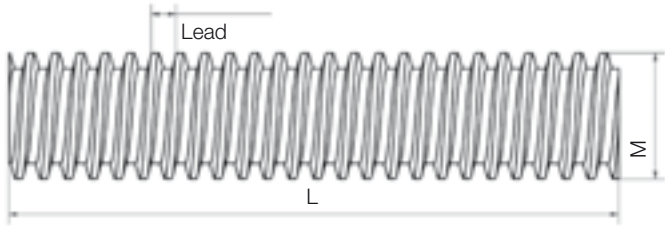
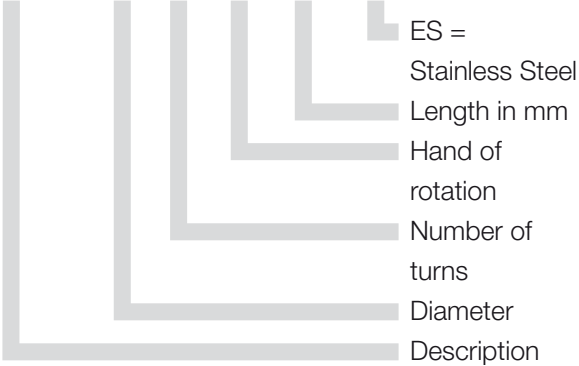
prices price list online
www.igus.eu/drylin-leadscrewdrives

drylin® SD Lead Screw Drives | Product Range

Metric lead screws



PTGSG-M3-01-R-500-ES



Dimensions [mm]

Bestellnummer	Thread	Diameter	Pitch	max. Length
PTGSG-M3-01-R-500-ES	M3x0.5	3	0.5	500
PTGSG-M4-01-R-500-ES	M4x0.7	4	0.7	500
PTGSG-M5-01-R-500-ES	M5x0.8	5	0.8	500
PTGSG-M6-01-R-500-ES	M6x1	6	1	500

Only available as stainless steel version

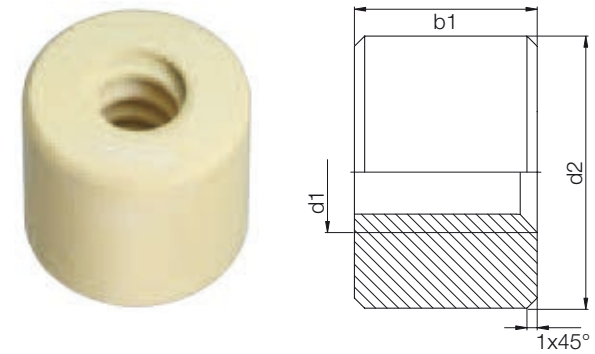



delivery from stock
time

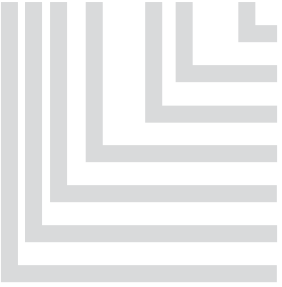


prices price list online
www.igus.eu/drylin-leadscrewdrives

Cylindrical trapezoidal lead screw nuts, made from iglidur® J, right-hand thread
igidur® J – Best wear in dry operation



**Order key**
JSRM-2220TR10x2

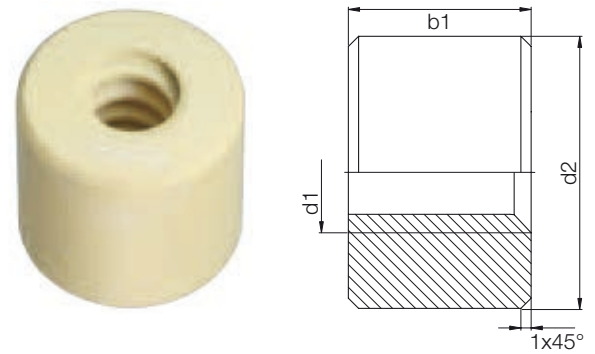



- Thread
- b1
- d2
- Metric
- Hand of rotation
- Type S = cylindrical
- Material iglidur® J

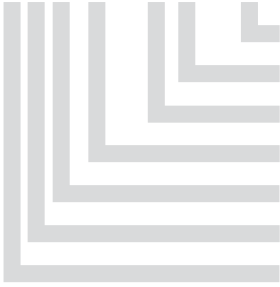
Dimensions [mm]

Part number		Effective supporting surface [mm²]	d2	b1	Thread d1 x P	max. stat. F axial [N]
JSRM-1413TR6x2P1	New!	112	14	13	TR6x2P1	200
JSRM-1418TR8x1.5		205	14	18	TR8x1.5	500*
JSRM-1812TR8x1.5		136	18	12	TR8x1.5	544
JSRM-2215TR10x2		212	22	15	TR10x2	848
JSRM-2220TR10x2		282	22	20	TR10x2	1,128
JSRM-2215TR10x3		200	22	15	TR10x3	800
JSRM-2220TR10x3		266	22	20	TR10x3	1,064
JSRM-2618TR12x3		297	26	18	TR12x3	1,188
JSRM-2624TR12x3		394	26	24	TR12x3	1,576
JSRM-3028TR14x3		550	30	28	TR14x3	2,200
JSRM-3021TR14x4		396	30	21	TR14x4	1,584
JSRM-3028TR14x4		526	30	28	TR14x4	2,104
JSRM-3624TR16x2		564	36	24	TR16x2	2,256
JSRM-3632TR16x2		702	36	32	TR16x2	3,008
JSRM-3024TR16x4		527	30	24	TR16x4	2,108
JSRM-3624TR16x4		526	36	24	TR16x4	2,104
JSRM-3632TR16x4		752	36	32	TR16x4	2,808
JSRM-3027TR18x4		678	30	27	TR18x4	2,362*
JSRM-4027TR18x4		678	40	27	TR18x4	2,712
JSRM-4036TR18x4		904	40	36	TR18x4	3,616
JSRM-3025TR20x4		706	30	25	TR20x4	2,060*
JSRM-4530TR20x4		848	45	30	TR20x4	3,392
JSRM-4540TR20x4		1,130	45	40	TR20x4	4,520
JSRM-5036TR24x5		1,214	50	36	TR24x5	4,856
JSRM-5048TR24x5		1,620	50	48	TR24x5	6,480
JSRM-5039TR26x5		1,438	50	39	TR26x5	5,752
JSRM-5052TR26x5		1,918	50	52	TR26x5	7,672
JSRM-6042TR28x5		1,680	60	42	TR28x5	6,720
JSRM-6056TR28x5		2,240	60	56	TR28x5	8,960
JSRM-6045TR30x6		1,906	60	45	TR30x6	7,624
JSRM-6060TR30x6		2,542	60	60	TR30x6	10,168
JSRM-6060TR32x6		2,730	60	60	TR32x6	10,920
JSRM-7572TR36x6		3,732	75	72	TR36x6	14,928
JSRM-7680TR40x7		4,582	76	80	TR40x7	18,328
JSRM-90100TR50x8		7,225	90	100	TR50x8	28,900

Cylindrical trapezoidal lead screw nuts, made from iglidur® J, left-hand thread
igidur® J – Best wear in dry operation



**Order key**
JSLM-2220TR10x2



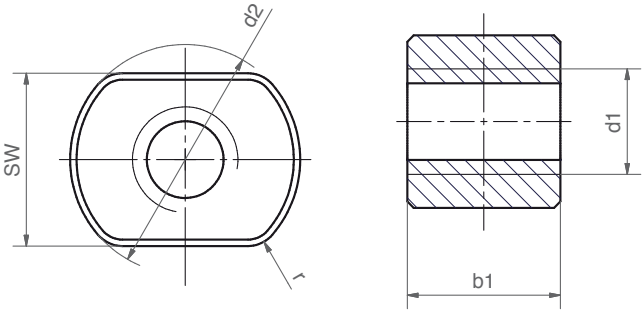
- Thread
- b1
- d2
- Metric
- Hand of rotation
- Type S = cylindrical
- Material iglidur® J

Dimensions [mm]

Part number	Effective supporting surface [mm²]	d2	b1	Thread d1 x P	max. stat. F axial [N]
JSLM-1418TR8x1.5	205	14	18	TR8x1.5	500*
JSLM-1812TR8x1.5	136	18	12	TR8x1.5	544
JSLM-2215TR10x2	212	22	15	TR10x2	848
JSLM-2220TR10x2	282	22	20	TR10x2	1,128
JSLM-2215TR10x3	200	22	15	TR10x3	800
JSLM-2220TR10x3	266	22	20	TR10x3	1,064
JSLM-2618TR12x3	297	26	18	TR12x3	1,188
JSLM-2624TR12x3	394	26	24	TR12x3	1,576
JSLM-3021TR14x4	396	30	21	TR14x4	1,584
JSLM-3028TR14x4	526	30	28	TR14x4	2,104
JSLM-3624TR16x2	564	36	24	TR16x2	2,256
JSLM-3632TR16x2	702	36	32	TR16x2	3,008
JSLM-3024TR16x4	527	30	24	TR16x4	2,108
JSLM-3624TR16x4	526	36	24	TR16x4	2,104
JSLM-3632TR16x4	752	36	32	TR16x4	2,808
JSLM-3027TR18x4	678	30	27	TR18x4	2,362*
JSLM-4027TR18x4	678	40	27	TR18x4	2,712
JSLM-4036TR18x4	904	40	36	TR18x4	3,616
JSLM-3025TR20x4	706	30	25	TR20x4	2,060*
JSLM-4530TR20x4	848	45	30	TR20x4	3,392
JSLM-4540TR20x4	1,130	45	40	TR20x4	4,520
JSLM-5036TR24x5	1,214	50	36	TR24x5	4,856
JSLM-5048TR24x5	1,620	50	48	TR24x5	6,480
JSLM-5039TR26x5	1,438	50	39	TR26x5	5,752
JSLM-5052TR26x5	1,918	50	52	TR26x5	7,672
JSLM-6042TR28x5	1,680	60	42	TR28x5	6,720
JSLM-6056TR28x5	2,240	60	56	TR28x5	8,960
JSLM-6045TR30x6	1,906	60	45	TR30x6	7,624
JSLM-6060TR30x6	2,542	60	60	TR30x6	10,168
JSLM-6060TR32x6	2,730	60	60	TR32x6	10,920
JSLM-7572TR36x6	3,732	75	72	TR36x6	14,928
JSLM-7680TR40x7	4,582	76	80	TR40x7	18,328
JSLM-90100TR50x8	7,225	90	100	TR50x8	28,900

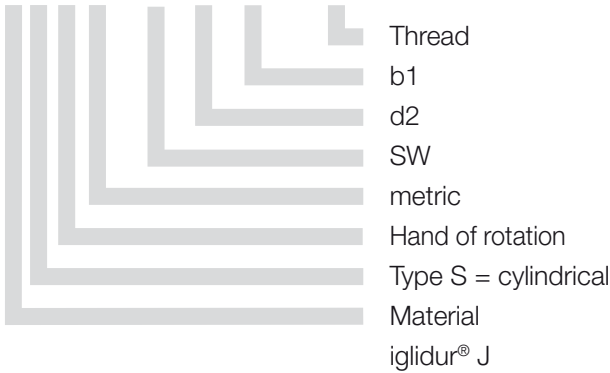
* reduced axial load due to nut geometry

Lead screw nuts with spanner flat, made from iglidur® J, right-hand thread
igidur® J – Best wear in dry operation



Order key

JSRM-172220TR10x2



Dimensions [mm]

Bestellnummer		Effective sup. surface [mm²]	SW	d2	b1	r	Thread d1 x P	max. stat. F axial [N]
JSRM-172220TR10x2	New!	282	17	22	20	3	TR10x2	1,128
JSRM-192624TR12x3	New!	394	19	26	24	3	TR12x3	1,576
JSRM-273624TR16x4	New!	526	27	36	24	5	TR16x4	2,108
JSRM-304540TR20x4	New!	1,130	30	45	40	6	TR20x4	4,520
JSRM-365048TR24x5	New!	1,620	36	50	48	8	TR24x5	6,480
JSRM-456060TR30x6	New!	2,542	45	60	60	10	TR30x6	10,168



delivery
time

from
stock



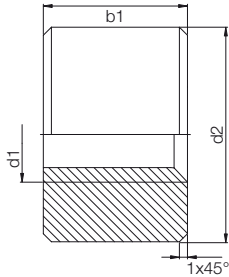
prices

price list online

www.igus.eu/eu/jsrm-sf

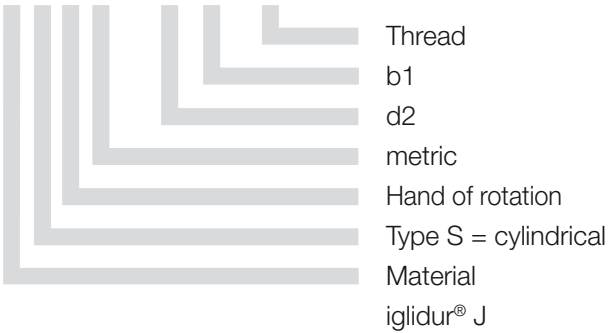
Miniature lead screw nuts, made from iglidur® J, right-hand thread
igidur® J – Best wear in dry operation

cylindrical



Order key

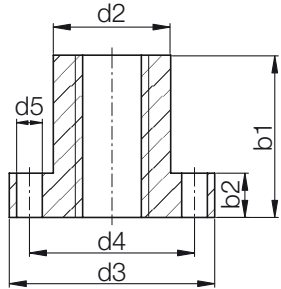
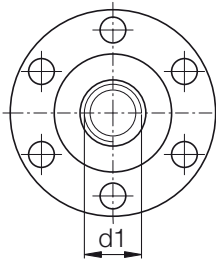
JSRM-1413M3



Dimensions [mm]

Bestellnummer		Effective sup. surface [mm²]	d2	b1	Thread d1 x P	max. stat. F axial [N]
JSRM-1413M3	New!	56	14	13	M3x0.5	75
JSRM-1413M4	New!	74	14	13	M4x0.7	100
JSRM-1413M5	New!	91	14	13	M5x0.8	150
JSRM-1413M6	New!	112	14	13	M6x1	200

with flange



Dimensions [mm]

Bestellnummer		Effective sup. surface [mm²]	d2	d3	d4	d5	b1	b2	Thread d1 x P	max. stat. F axial [N]
JFRM-0913M3	New!	56	9	18	15.2	3.2	13	3	M3x0.5	75
JFRM-0913M4	New!	74	9	18	15.2	3.2	13	3	M4x0.7	75
JFRM-0913M5	New!	91	9	18	15.2	3.2	13	3	M5x0.8	75
JFRM-1315M6	New!	129	13	25	19	3.2	15	5	M6x1	175



delivery
time

from stock



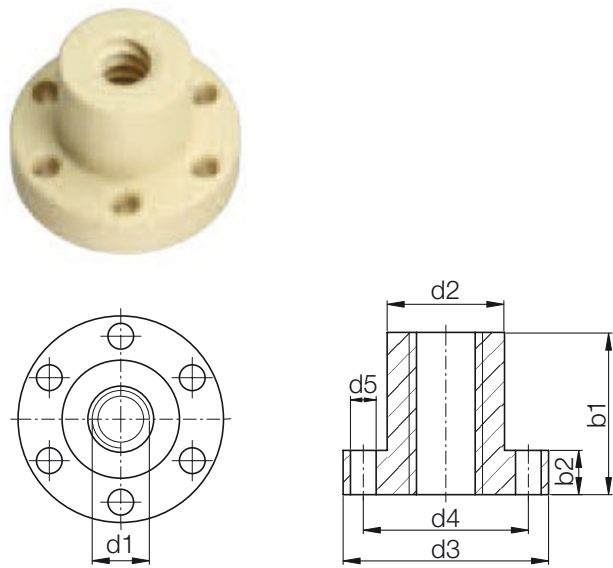
prices

price list online

www.igus.eu/eu/jsrm-m

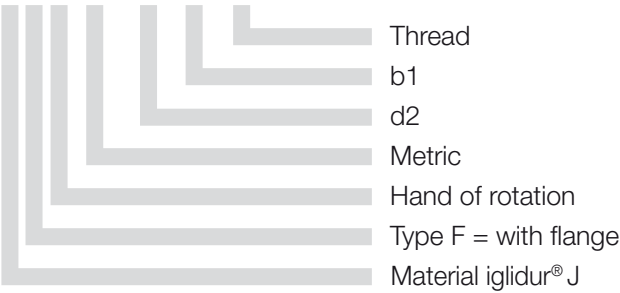
www.igus.eu/eu/jfrm-m

Trapezoidal lead screw nuts with flange, made from iglidur® J, right-hand thread
igidur® J – Best wear in dry operation



Order key

JFRM-2020TR8x1.5



Dimensions [mm]

Part number	Effective supporting surface [mm²]	d2	d3	d4	d5	b1	b2	Thread d1 x P	max. stat. F axial [N]
JFRM-1315TR6x2P1 New!	129	13	25	19	3.2	15	5	TR6x2P1	175
JFRM-2020TR8x1.5	225	20	36	28	4	20	8	TR8x1.5	900
JFRM-2525TR10x2	352	25	42	34	5	25	10	TR10x2	1,408
JFRM-2525TR10x3	334	25	42	34	5	25	10	TR10x3	1,336
JFRM-2835TR12x3	576	28	48	38	6	35	12	TR12x3	2,304
JFRM-2835TR14x3	687	28	48	38	6	35	12	TR14x3	2,748
JFRM-2835TR14x4	658	28	48	38	6	35	12	TR14x4	2,632
JFRM-2835TR16x2	822	28	48	38	6	35	12	TR16x2	3,290
JFRM-2835TR16x4	768	28	48	38	6	35	12	TR16x4	3,072
JFRM-2835TR18x4	878	28	48	38	6	35	12	TR18x4	3,512
JFRM-3244TR20x4	1,242	32	55	45	7	44	12	TR20x4	4,968
JFRM-3244TR24x5	1,484	32	55	45	7	44	12	TR24x5	5,936
JFRM-3846TR26x5	1,696	38	62	50	7	46	14	TR26x5	6,320*
JFRM-3846TR28x5	1,840	38	62	50	7	46	14	TR28x5	4,560*
JFRM-3846TR30x6	1,948	38	62	50	7	46	14	TR30x6	3,576*
JFRM-4546TR30x6	1,948	45	70	58	7	46	16	TR30x6	9,740
JFRM-4588TR36x6	4,561	45	70	58	7	88	16	TR36x6	7,580*

* reduced axial load due to nut geometry

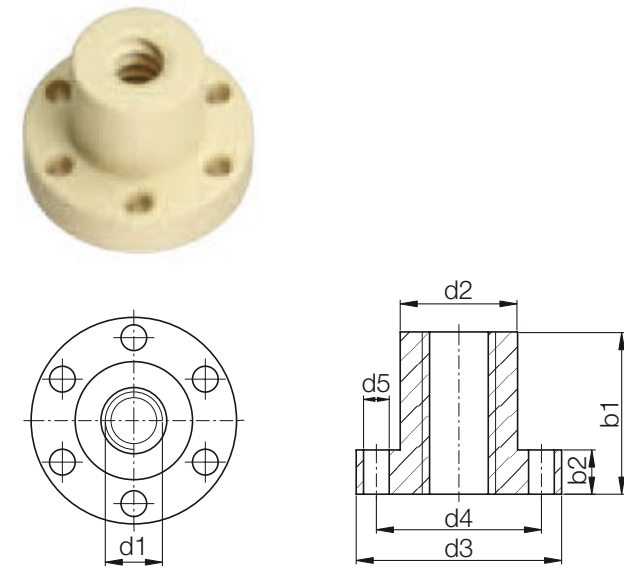


delivery from stock
time



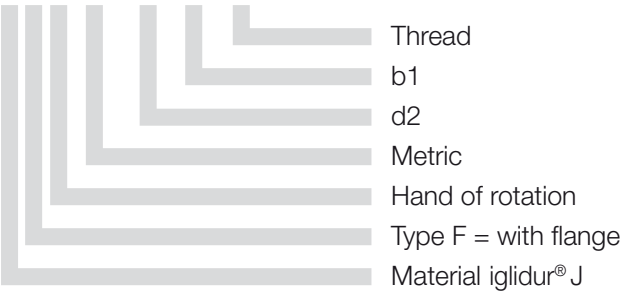
prices price list online
www.igus.eu/eu/jfrm

Trapezoidal lead screw nuts with flange, made from iglidur® J, left-hand thread
igidur® J – Best wear in dry operation



Order key

JFLM-2020TR8x1.5



Dimensions [mm]

Part number	Effective supporting surface [mm²]	d2	d3	d4	d5	b1	b2	Thread d1 x P	max. stat. F axial [N]
JFLM-2020TR8x1.5	225	20	36	28	4	20	8	TR8x1.5	900
JFLM-2525TR10x2	352	25	42	34	5	25	10	TR10x2	1,408
JFLM-2835TR12x3	576	28	48	38	6	35	12	TR12x3	2,304
JFLM-2835TR14x4	658	28	48	38	6	35	12	TR14x4	2,632
JFLM-2835TR16x4	768	28	48	38	6	35	12	TR16x4	3,072
JFLM-2835TR18x4	878	28	48	38	6	35	12	TR18x4	3,512
JFLM-3244TR20x4	1,242	32	55	45	7	44	12	TR20x4	4,968
JFLM-3244TR24x5	1,484	32	55	45	7	44	12	TR24x5	5,936
JFLM-3846TR26x5	1,696	38	62	50	7	46	14	TR26x5	6,320*
JFLM-3846TR28x5	1,840	38	62	50	7	46	14	TR28x5	4,560*
JFLM-3846TR30x6	1,948	38	62	50	7	46	14	TR30x6	3,576*
JFLM-4546TR30x6	1,948	45	70	58	7	46	16	TR30x6	9,740

* reduced axial load due to nut geometry

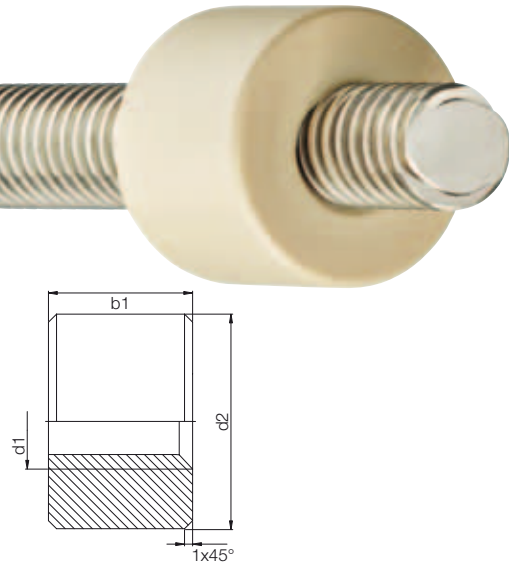


delivery from stock
time



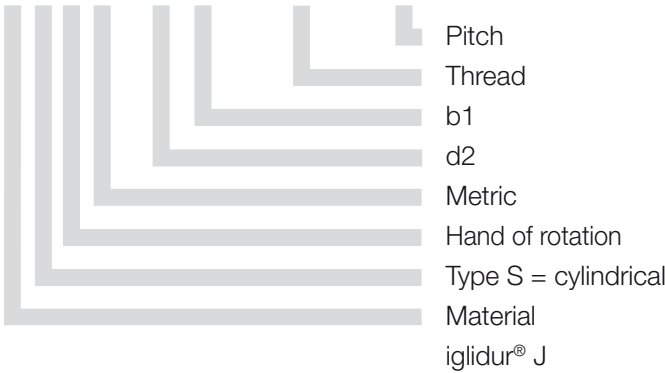
prices price list online
www.igus.eu/eu/jflm

Two-start drylin® lead screw nuts, cylindrical, made from iglidur® J, right-hand thread
igidur® J – Best wear in dry operation



Order key

JSRM-2624TR12x6P3

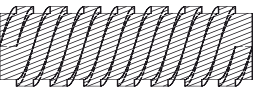


Dimensions [mm]

Part number		Effective supporting surface [mm²]	d2	b1	Thread d1 x P	max. stat. F axial [N]
JSRM-2624TR12x6P3	New!	395	26	24	TR12x6P3	1,343
JSRM-3024TR12x6P3	New!	395	30	24	TR12x6P3	1,343
JSRM-3024TR16x8P4	New!	527	30	24	TR16x8P4	1,792
JSRM-3632TR16x8P4	New!	752	36	32	TR16x8P4	2,557
JSRM-4036TR18x8P4	New!	904	40	36	TR18x8P4	3,074
JSRM-4540TR20x8P4	New!	1,130	45	40	TR20x8P4	3,842



Definition: two-start lead screw nuts
Example 8P4 pitch



P4 = Distance to the next thread 4 mm
8P = Pitch 8 mm

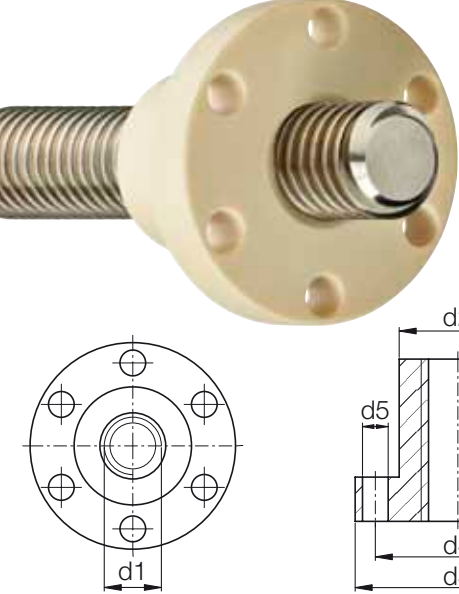


delivery from stock
time



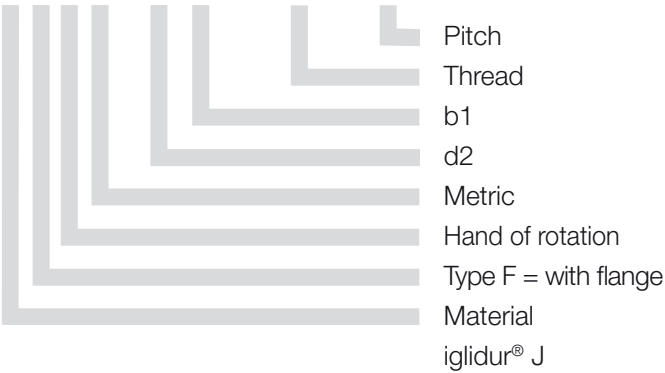
prices price list online
www.igus.eu/eu/jsrm-p

Two-start drylin® lead screw nuts with flange, made from iglidur® J, right-hand thread
igidur® J – Best wear in dry operation



Order key

JFRM-2835TR12x6P3



Dimensions [mm]

Part number		Effective supporting surface [mm²]	d2	d3	d4	d5	b1	b2	Thread d1 x P	max. stat. F axial [N]
JFRM-2835TR12x6P3	New!	576	28	48	38	6	35	12	TR12x6P3	1,958
JFRM-2835TR16x8P4	New!	768	28	48	38	6	35	12	TR16x8P4	2,611
JFRM-2835TR18x8P4	New!	878	28	48	38	6	35	12	TR18x8P4	2,985
JFRM-3244TR20x8P4	New!	1,242	32	55	45	7	44	12	TR20x8P4	4,223

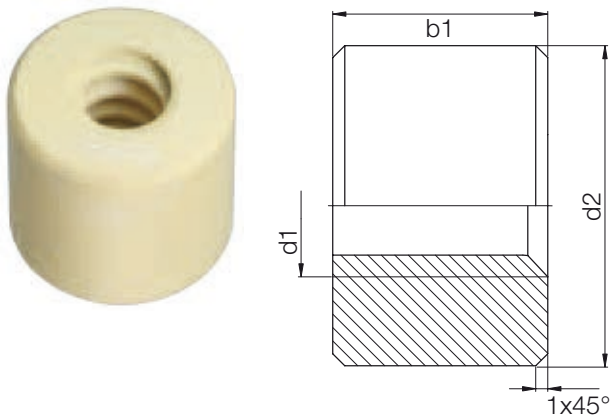


delivery from stock
time



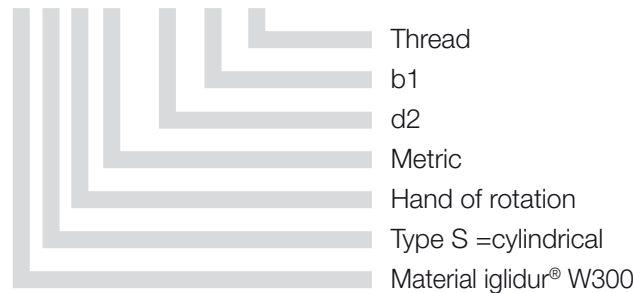
prices price list online
www.igus.eu/eu/jfrm-p

Cylindrical trapezoidal lead screw nuts, made from iglidur® W300, right-hand thread
igidur® W300 – the high-performance material



Order key

WSRM-2215TR10x2



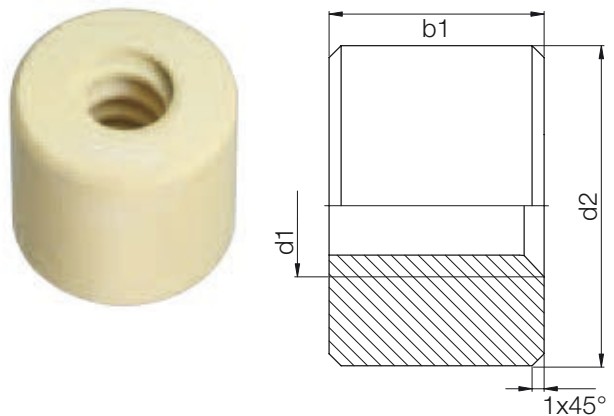
Dimensions [mm]

Part number short	Effective supporting surface [mm²]	d2	b1	Thread d1 x P	max. stat. F axial [N]
WSRM-2215TR10x2	212	22	15	TR10x2	1,060
WSRM-2215TR10x3	200	22	15	TR10x3	1,000
WSRM-2618TR12x3	296	26	18	TR12x3	1,480
WSRM-3021TR14x4	396	30	21	TR14x4	1,980
WSRM-3624TR16x2	564	36	24	TR16x2	2,820
WSRM-3024TR16x4	526	30	24	TR16x4	2,630
WSRM-3624TR16x4	526	36	24	TR16x4	2,830
WSRM-3027TR18x4	678	30	27	TR18x4	3,390
WSRM-4027TR18x4	678	40	27	TR18x4	3,390
WSRM-3025TR20x4	706	30	25	TR20x4	3,530
WSRM-4530TR20x4	848	45	30	TR20x4	4,240
WSRM-5036TR24x5	1,214	50	36	TR24x5	6,070
WSRM-5039TR26x5	1,438	50	39	TR26x5	7,190
WSRM-6042TR28x5	1,680	60	42	TR28x5	8,400
WSRM-6045TR30x6	1,906	60	45	TR30x6	9,530

Dimensions [mm]

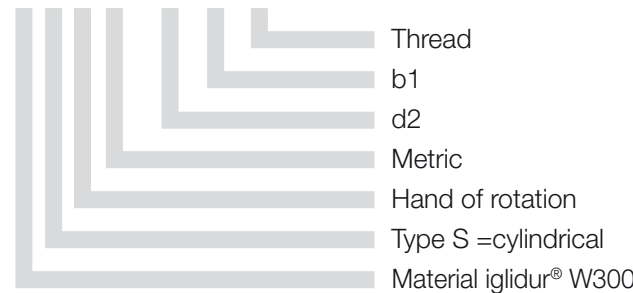
Part number long	Effective supporting surface [mm²]	d2	b1	Thread d1 x P	max. stat. F axial [N]
WSRM-2220TR10x2	282	22	20	TR10x2	1,410
WSRM-2220TR10x3	266	22	20	TR10x3	1,330
WSRM-2624TR12x3	394	26	24	TR12x3	1,970
WSRM-3028TR14x4	526	30	28	TR14x4	2,630
WSRM-3632TR16x2	702	36	32	TR16x2	3,760
WSRM-3632TR16x4	752	36	32	TR16x4	3,510
WSRM-4036TR18x4	904	40	36	TR18x4	4,520
WSRM-4540TR20x4	1,130	45	40	TR20x4	5,650
WSRM-5048TR24x5	1,620	50	48	TR24x5	8,100
WSRM-5052TR26x5	1,918	50	52	TR26x5	9,590
WSRM-6056TR28x5	2,240	60	56	TR28x5	11,200
WSRM-6060TR30x6	2,542	60	60	TR30x6	12,710
WSRM-7572TR36x6	3,732	75	72	TR36x6	18,660

Cylindrical trapezoidal lead screw nuts, made from iglidur® W300, left-hand thread
igidur® W300 – the high-performance material



Order key

WSLM-2215TR10x2



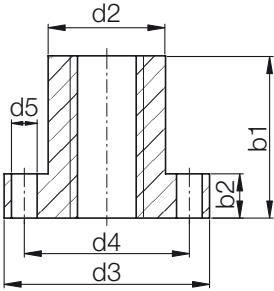
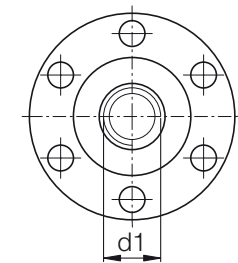
Dimensions [mm]

Part number short	Effective supporting surface [mm²]	d2	b1	Thread d1 x P	max. stat. F axial [N]
WSLM-2215TR10x2	212	22	15	TR10x2	1,060
WSLM-2215TR10x3	200	22	15	TR10x3	1,000
WSLM-2618TR12x3	296	26	18	TR12x3	1,480
WSLM-3021TR14x4	396	30	21	TR14x4	1,980
WSLM-3624TR16x2	564	36	24	TR16x2	2,820
WSLM-3024TR16x4	526	30	24	TR16x4	2,630
WSLM-3624TR16x4	526	36	24	TR16x4	2,830
WSLM-3027TR18x4	678	30	27	TR18x4	3,390
WSLM-4027TR18x4	678	40	27	TR18x4	3,390
WSLM-3025TR20x4	706	30	25	TR20x4	3,530
WSLM-4530TR20x4	848	45	30	TR20x4	4,240
WSLM-5036TR24x5	1,214	50	36	TR24x5	6,070
WSLM-5039TR26x5	1,438	50	39	TR26x5	7,190
WSLM-6042TR28x5	1,680	60	42	TR28x5	8,400
WSLM-6045TR30x6	1,906	60	45	TR30x6	9,530

Dimensions [mm]

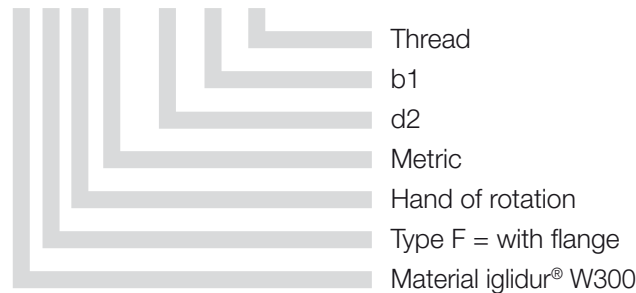
Part number long	Effective supporting surface [mm²]	d2	b1	Thread d1 x P	max. stat. F axial [N]
WSLM-2220TR10x2	282	22	20	TR10x2	1,410
WSLM-2220TR10x3	266	22	20	TR10x3	1,330
WSLM-2624TR12x3	394	26	24	TR12x3	1,970
WSLM-3028TR14x4	526	30	28	TR14x4	2,630
WSLM-3632TR16x2	702	36	32	TR16x2	3,760
WSLM-3632TR16x4	752	36	32	TR16x4	3,510
WSLM-4036TR18x4	904	40	36	TR18x4	4,520
WSLM-4540TR20x4	1,130	45	40	TR20x4	5,650
WSLM-5048TR24x5	1,620	50	48	TR24x5	8,100
WSLM-5052TR26x5	1,918	50	52	TR26x5	9,590
WSLM-6056TR28x5	2,240	60	56	TR28x5	11,200
WSLM-6060TR30x6	2,542	60	60	TR30x6	12,710

Trapezoidal lead screw nuts with flange, made from iglidur® W300, right-hand thread
igidur® W300 – the high-performance material



Order key

WFRM-2525TR10x2



Dimensions [mm]

Part number	Effective supporting surface [mm²]	d2	d3	d4	d5	b1	b2	Thread d1 x P	max. stat. F axial [N]
WFRM-2525TR10x2	352	25	42	34	5	25	10	TR10x2	1,760
WFRM-2525TR10x3	334	25	42	34	5	25	10	TR10x3	1,670
WFRM-2835TR12x3	576	28	48	38	6	35	12	TR12x3	2,880
WFRM-2835TR14x4	658	28	48	38	6	35	12	TR14x4	3,290
WFRM-2835TR16x2	822	28	48	38	6	35	12	TR16x2	4,110
WFRM-2835TR16x4	768	28	48	38	6	35	12	TR16x4	3,840
WFRM-2835TR18x4	878	28	48	38	6	35	12	TR18x4	4,390
WFRM-3244TR20x4	1,242	32	55	45	7	44	12	TR20x4	6,210
WFRM-3244TR24x5	1,484	32	55	45	7	44	12	TR24x5	7,420
WFRM-3846TR26x5	1,696	38	62	50	7	46	14	TR26x5	7,900*
WFRM-3846TR28x5	1,840	38	62	50	7	46	14	TR28x5	5,900*
WFRM-3846TR30x6	1,948	38	62	50	7	46	14	TR30x6	4,470*

* reduced axial load due to nut geometry

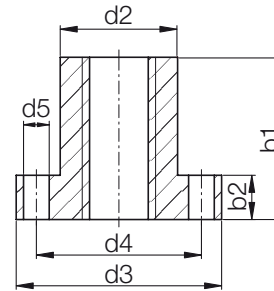
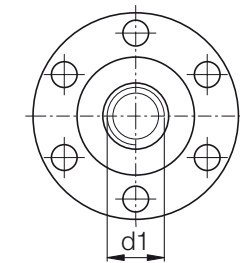


delivery from stock
time



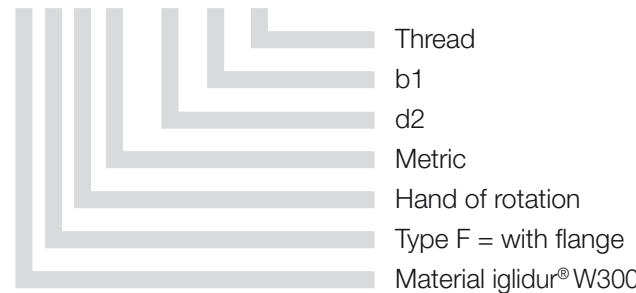
prices price list online
www.igus.eu/eu/wfrm

Trapezoidal lead screw nuts with flange, made from iglidur® W300, left-hand thread
igidur® W300 – the high-performance material



Order key

WFLM-2525TR10x2



Dimensions [mm]

Part number	Effective supporting surface [mm²]	d2	d3	d4	d5	b1	b2	Thread d1 x P	max. stat. F axial [N]
WFLM-2525TR10x2	352	25	42	34	5	25	10	TR10x2	1,760
WFLM-2835TR12x3	576	28	48	38	6	35	12	TR12x3	2,880
WFLM-2835TR14x4	658	28	48	38	6	35	12	TR14x4	3,290
WFLM-2835TR16x2	822	28	48	38	6	35	12	TR16x2	4,110
WFLM-2835TR16x4	768	28	48	38	6	35	12	TR16x4	3,840
WFLM-2835TR18x4	878	28	48	38	6	35	12	TR18x4	4,390
WFLM-3244TR20x4	1,242	32	55	45	7	44	12	TR20x4	6,210
WFLM-3244TR24x5	1,484	32	55	45	7	44	12	TR24x5	7,420
WFLM-3846TR26x5	1,696	38	62	50	7	46	14	TR26x5	7,900*
WFLM-3846TR28x5	1,840	38	62	50	7	46	14	TR28x5	5,900*
WFLM-3846TR30x6	1,948	38	62	50	7	46	14	TR30x6	4,470*

* reduced axial load due to nut geometry



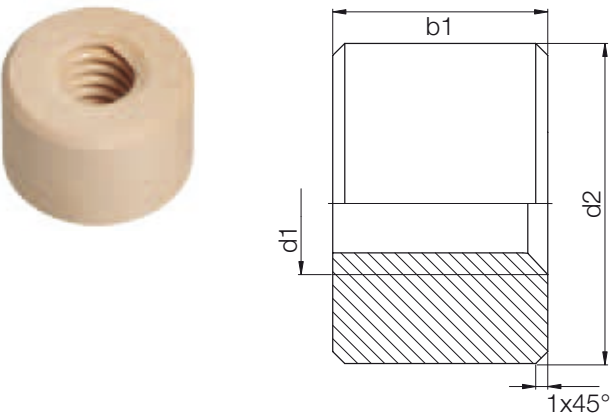
delivery from stock
time



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

drylin® SD Lead Screw Drives | Product Range

Trapezoidal lead screw nuts, cylindrical, made from iglidur® J350, right-hand thread
igidur® J350 – the high temperature material



Order key

J350SRM-1812TR8x1.5

- Thread
- b1
- d2
- Metric
- Hand of rotation
- Type S = cylindrical
- Material
- igidur® J350

Dimensions [mm]

Part number	Effective sup- porting surface [mm²]	d2	b1	Thread d1 x P	max. stat. F axial [N]
J350SRM-1812TR8x1.5	136	18	12	TR8x1.5	408
J350SRM-2215TR10x2	212	22	15	TR10x2	636
J350SRM-2624TR12x3	394	26	24	TR12x3	1,182
J350SRM-3024TR16x4	527	30	24	TR16x4	1,581
J350SRM-4027TR18x4	678	40	27	TR18x4	2,034
J350SRM-4530TR20x4	848	45	30	TR20x4	2,544
J350SRM-4550TR24x5	1,689	45	50	TR24x5	5,067



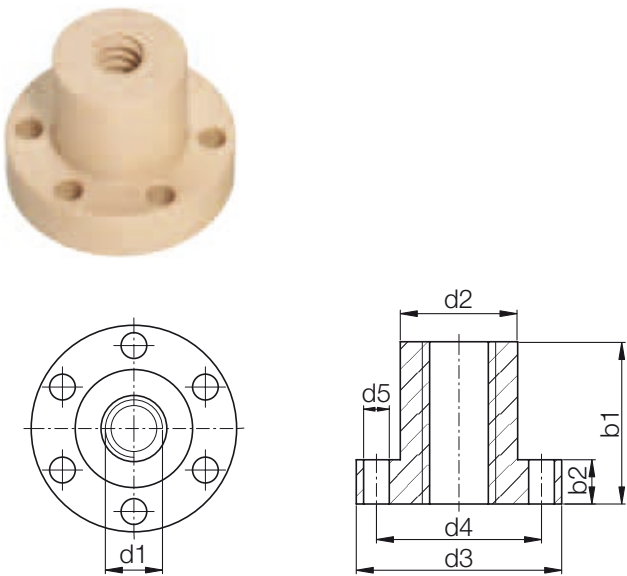
delivery from stock
time



prices price list online
www.igus.eu/eu/j350srm

drylin® SD Lead Screw Drives | Product Range

Trapezoidal lead screw nuts with flange, made from iglidur® J350, right-hand thread
igidur® J350 – the high temperature material



Order key

J350FRM-2020TR8x1.5

- Thread
- b1
- d2
- Metric
- Hand of rotation
- Type F = with flange
- Material
- igidur® J350

Dimesnions [mm]

Part number	Effective sup- porting surface [mm²]	d2	d3	d4	d5	b1	b2	Thread d1 x P	max. stat. F axial [N]
J350FRM-2020TR8x1.5	225	20	36	28	4	20	8	TR8x1.5	675
J350FRM-2525TR10x2 New!	352	25	42	34	5	25	10	TR10x2	1,056
J350FRM-2835TR12x3 New!	576	28	48	38	6	35	12	TR12x3	1,728
J350FRM-2835TR16x2 New!	822	28	48	38	6	35	12	TR16x2	2,466
J350FRM-2835TR16x4 New!	768	28	48	38	6	35	12	TR16x4	2,304
J350FRM-2835TR18x4 New!	878	28	48	38	6	35	12	TR18x4	2,634
J350FRM-3244TR20x4 New!	1,242	32	55	45	7	44	12	TR20x4	3,726
J350FRM-3244TR24x5 New!	1,484	32	55	45	7	44	12	TR24x5	4,452



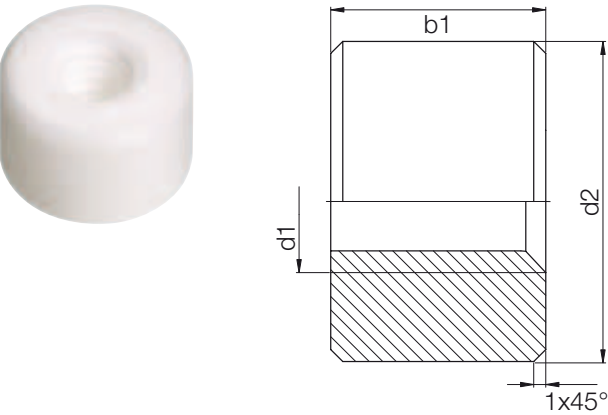
delivery from stock
time



prices price list online
www.igus.eu/eu/j350frm

drylin® SD Lead Screw Drives | Product Range

Trapezoidal lead screw nuts, cylindrical, made from iglidur® A180, right-hand thread
igidur® A180 – the FDA conform material



Order key

A180SRM-1812TR8x1.5

- Thread
- b1
- d2
- Metric
- Hand of rotation
- Type S = cylindrical
- Material
- igidur® A180

Dimensions [mm]

Part number	Effective supporting surface [mm²]	d2	b1	Thread d1 x P	max. stat. F axial [N]
A180SRM-1812TR8x1.5	136	18	12	TR8x1.5	476
A180SRM-2215TR10x2	212	22	15	TR10x2	742
A180SRM-2220TR10x2	283	22	20	TR10x2	991
A180SRM-2624TR12x3	394	26	24	TR12x3	1,379
A180SRM-3024TR16x4	527	30	24	TR16x4	1,845
A180SRM-3632TR16x4	704	36	32	TR16x4	2,464
A180SRM-4027TR18x4	678	40	27	TR18x4	2,373
A180SRM-3025TR20x4	706	30	25	TR20x4	2,471
A180SRM-4540TR20x4	1,130	45	40	TR20x4	3,955
A180SRM-7572TR36x6	3,732	75	72	TR36x6	13,062



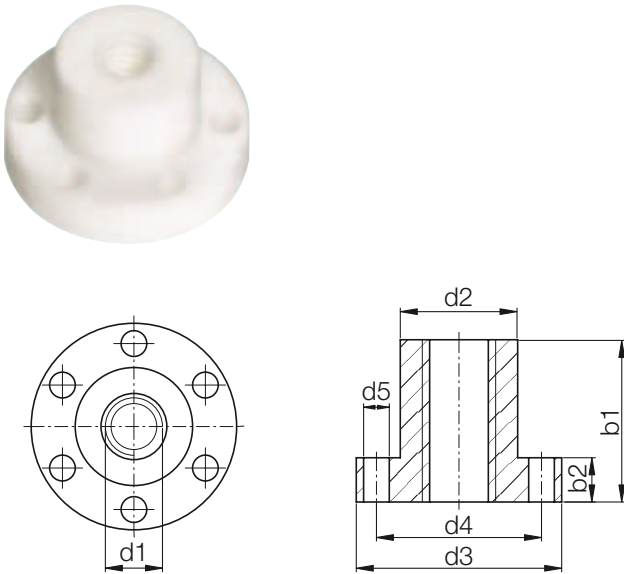
delivery from stock
time



prices price list online
www.igus.eu/eu/a180srm

drylin® SD Lead Screw Drives | Product Range

Trapezoidal lead screw nuts with flange, made from iglidur® A180, right-hand thread
igidur® A180 – the FDA conform material



Order key

A180SRM-2020TR8x1.5

- Thread
- b1
- d2
- Metric
- Hand of rotation
- Type F = with flange
- Material
- igidur® A180

Dimensions [mm]

Part number	Effective supporting surface [mm²]	d2	d3	d4	d5	b1	b2	Thread d1 x P	max. stat. F axial [N]
A180FRM-2020TR8x1.5	225	20	36	28	4	20	8	TR8x1.5	788
A180FRM-2525TR10x2	352	25	42	34	5	25	10	TR10x2	1,232
A180FRM-2835TR12x3	576	28	48	38	6	35	12	TR10x3	2,016
A180FRM-2835TR16x4	768	28	48	38	6	35	12	TR16x4	2,458
A180FRM-2835TR18x4	878	28	48	38	6	35	12	TR18x4	2,810
A180FRM-3244TR20x4	1,242	32	55	45	7	44	12	TR20x4	3,974

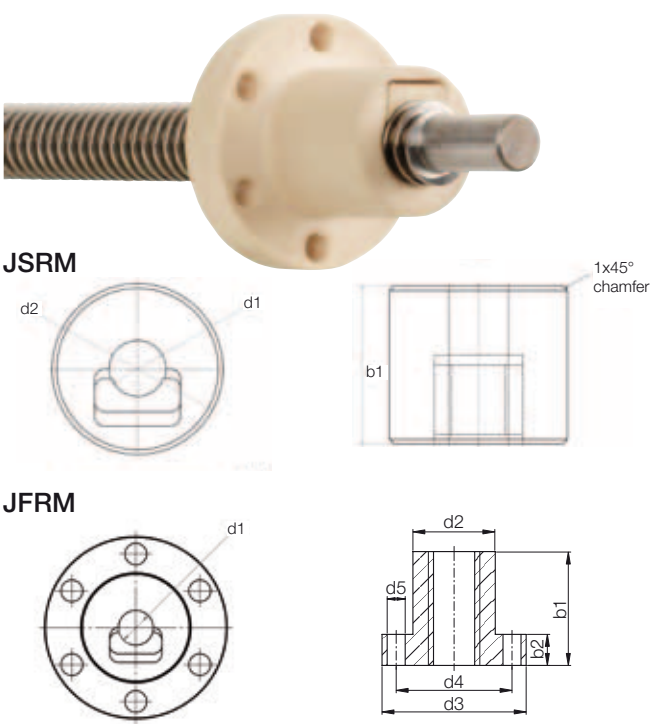


delivery from stock
time



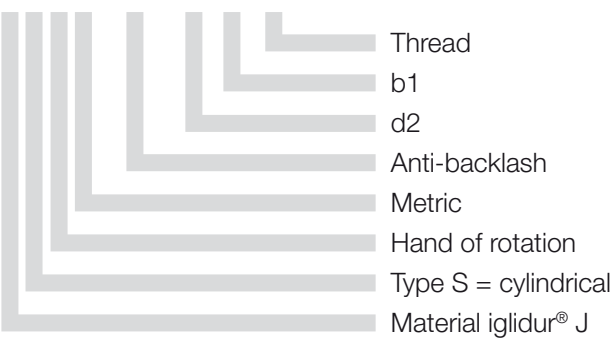
prices price list online
www.igus.eu/eu/a180frm

Anti-backlash lead screw nuts, made from iglidur® J, right-hand thread
igidur® J – Best wear in dry operation



Order key

JSRM-AB-2220TR8x1.5



Dimensions [mm]

Part number	d2	b1	Thread	max. stat. F axial [N]
cylindrical			d1 x P	
JSRM-AB-2220-TR8x1.5	22	20	TR8x1.5	500
JSRM-AB-2220-TR10x2	22	20	TR10x2	840
JSRM-AB-2624-TR12x3	26	24	TR12x3	1,185
JSRM-AB-3632-TR16x4	36	32	TR16x4	2,110
JSRM-AB-4036-TR18x4	40	36	TR18x4	2,700
JSRM-AB-4540-TR20x4	45	40	TR20x4	3,400
JSRM-AB-5048-TR24x5	50	48	TR24x5	4,800

Dimensions [mm]

Part number	d2	d3	d4	d5	b1	b2	Thread	max. stat. F axial [N]
with flange							d1 x P	
JFRM-AB-2525-TR10x2	25	42	34	5	25	10	TR10x2	1,160
JFRM-AB-2525-TR10X3	25	42	34	5	25	10	TR10x3	1,110
JFRM-AB-2835-TR14x4	28	48	38	6	35	12	TR14x4	2,390
JFRM-AB-2835-TR16x2	28	48	38	6	35	12	TR16x2	2,300
JFRM-AB-2835-TR16x4	28	48	38	6	35	12	TR16x4	2,520
JFRM-AB-2835-TR18x4	28	48	38	6	35	12	TR18x4	2,890
JFRM-AB-3244-TR20x4	32	55	45	7	44	12	TR20x4	4,080
JFRM-AB-3244-TR24x5	32	55	45	7	44	12	TR24x5	4,890

Other thread sizes and nut designs with Anti-backlash function upon request

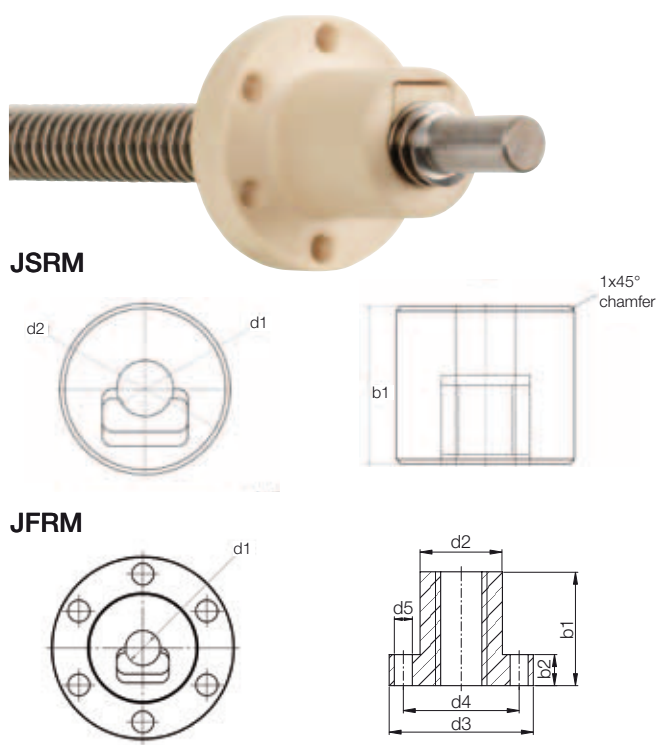


delivery from stock
time



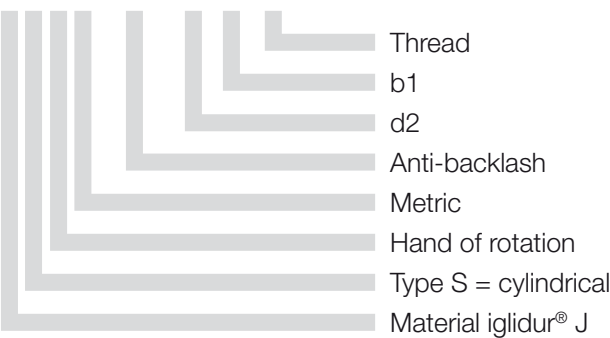
prices price list online
www.igus.eu/eu/jsrm-ab

Anti-backlash lead screw nuts, made from iglidur® J, left-hand thread
igidur® J – Best wear in dry operation



Order key

JSLM-AB-2220TR8x1.5



Dimensions [mm]

Part number	d2	b1	Thread	max. stat. F axial [N]
cylindrical			d1 x P	
JSLM-AB-2220-TR10x2	22	20	TR10x2	840

Dimensions [mm]

Part number	d2	d3	d4	d5	b1	b2	Thread	max. stat. F axial [N]
with flange							d1 x P	
JFLM-AB-2835-TR16x42	28	48	38	6	35	12	TR16x2	2,300
JFLM-AB-2835-TR16x4	28	48	38	6	35	12	TR16x4	2,520
JFLM-AB-2835-TR18x4	28	48	38	6	35	12	TR18x4	2,890
JFLM-AB-3244-TR20x4	32	55	45	7	44	12	TR20x4	4,080
JFLM-AB-3244-TR34x5	32	55	38	7	44	12	TR34x5	4,890

Other thread sizes and nut designs with Anti-backlash function upon request



Backlash refers to the play at direction reversal, which is caused in a screw drive by the axial clearance. By means of a radial pretensioning using a spring elastomer, vibrations and self-excited oscillations (often the cause of noises, especially with long spindles and high speed) are significantly reduced.



delivery from stock
time



prices price list online
www.igus.eu/eu/jslm-ab

drylin®-Disc, made from iglidur® J

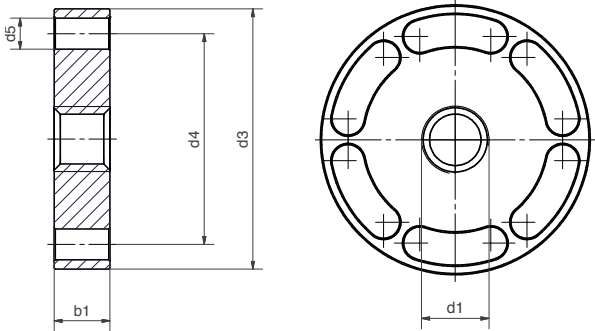


Order key

JDRM-4209TR10x2



Thread
b1
d3
Metric
Hand of rotation
Disc
Material iglidur® J



Dimensions [mm]

Part number		Effective sup- porting surface [mm²]	d3 h9	d4	d5	b1	Thread d1 x P	max. stat. F axial [N]
JDRM-4209TR10x2	New!	127	42	34	5	9	TR10x2	508
JDRM-4811TR12x3	New!	181	48	38	6	11	TR12x3	724
JDRM-4811TR14x4	New!	207	48	38	6	11	TR14x4	828
JDRM-4811TR16x4	New!	241	48	38	6	11	TR16x4	964
JDRM-4811TR18x4	New!	276	48	38	6	11	TR18x4	1,104
JDRM-5513TR20x4	New!	367	55	45	7	13	TR20x4	1,468
JDRM-5513TR24x5	New!	439	55	45	7	13	TR24x5	1,756
JDRM-6214TR30x6	New!	551	62	50	7	13	TR30x6	2,204
JDRM-7016TR36x6	New!	829	70	58	7	16	TR36x6	3,316

* Max. stat. F axial can be added when used with flange nut

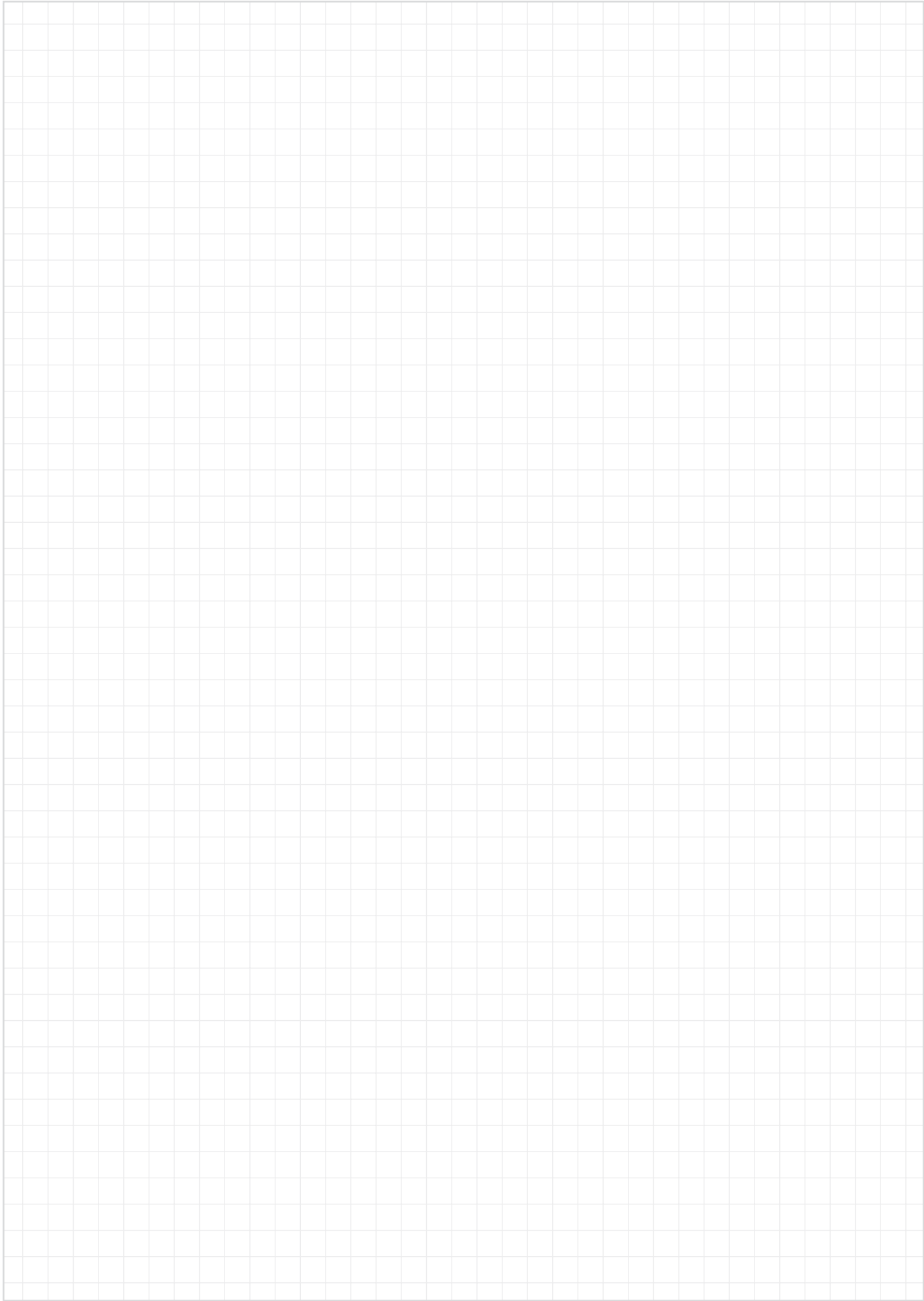


delivery from stock
time

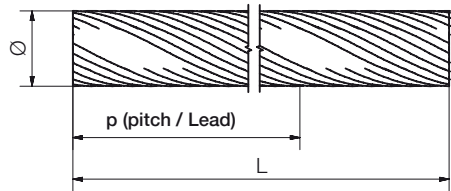


prices price list online
www.igus.eu/eu/jdrm

My Sketches



High helix lead screws



Order key

PTGSG-08x10-R-1000-ES



Material:
Stainless steel (1.4021)
Length
Hand of rotation
Lead
Diameter
Marking



Straightness 0,3 mm / 300 mm

High helix lead screws - Dimensions [mm]

Part number	Thread	Ø	Lead	Max. Length
PTGSG-05x5-R- <input type="text"/> **-ES	SG05x5	5.4	5	1,000
PTGSG-06.35x12.7-R- <input type="text"/> **-ES	SG06.35x12.7	6.4	12.7	1,000
PTGSG-08x10-R*- <input type="text"/> **-ES	SG08x10	8.2	10	2,000
PTGSG-08x15-R*- <input type="text"/> **-ES	SG08x15	8.0	15	2,000
PTGSG-10x12-R*- <input type="text"/> **-ES	SG10x12	10.0	12	2,000
PTGSG-10x50-R*- <input type="text"/> **-ES	SG10x50	10.0	50	2,000
PTGSG-12x25-R*- <input type="text"/> **-ES	SG12x25	11.9	25	2,000
PTGSG-18x24-R*- <input type="text"/> **-ES	SG18x24	18.7	24	2,000
PTGSG-18x100-R*- <input type="text"/> **-ES	SG18x100	18.8	100	2,000

* also available with left-hand thread „-L”, ** Length in mm



All drylin® leads screws can be custom machined. Please send us your drawing. We will submit an offer to you in a short time. We will also gladly offer metric lead screws, custom materials or more accurate versions.

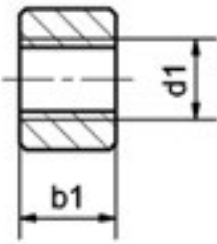
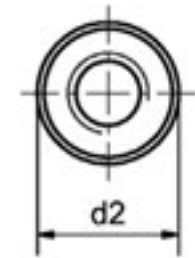


delivery from stock
time



prices price list online
www.igus.eu/drylin-leadscrewdrives

High helix lead screw nuts, cylindrical, made from iglidur® J
igidur® J – Best wear in dry operation



Order key

JSRM-1812SG8x10



Thread
b1
d2
Metric
Hand of rotation
Type S = cylindrical
Material® iglidur J

Right-hand thread – Dimensions [mm]

Part number	Effective supporting surface [mm²]	d2	b1	Thread d1 x P	max. stat. F axial [N]
JSRM-1413SG5x5	132	14	13	SG5x5	100*
JSRM-1413SG6.35x12.7	89	14	13	SG6.35x12.7	100*
JSRM-1812SG8x10	139	18	12	SG8x10	275*
JSRM-1812SG8x15	110	18	12	SG8x15	275
JSRM-2215SG10x12	195	22	15	SG10x12	488
JSRM-2215SG10x50	106	22	15	SG10x50	265
JSRM-2220SG10x12	260	22	20	SG10x12	650
JSRM-2220SG10x50	142	22	20	SG10x50	355
JSRM-2624SG12x25	260	26	24	SG12x25	650
JSRM-3027SG18x24	730	30	27	SG18x24	1,825
JSRM-3027SG18x100	385	30	27	SG18x100	963
JSRM-4027SG18x100	385	40	27	SG18x100	963
JSRM-4036SG18x100	514	40	36	SG18x100	1,285

Left-hand thread – Dimensions [mm]

Part number	Effective supporting surface [mm²]	d2	b1	Thread d1 x P	max. stat. F axial [N]
JSLM-1812SG8x10	139	18	12	SG8x10	275*
JSLM-2215SG10x12	195	22	15	SG10x12	488
JSLM-2215SG10x50	106	22	15	SG10x50	265
JSLM-2220SG10x12	260	22	20	SG10x12	650
JSLM-2220SG10x50	142	22	20	SG10x50	355
JSLM-3027SG18x100	385	30	27	SG18x100	963
JSLM-4027SG18x100	385	40	27	SG18x100	963
JSLM-4036SG18x100	514	40	36	SG18x100	1,285

* reduced axial load due to nut geometry

Other thread sizes and nut geometries upon request

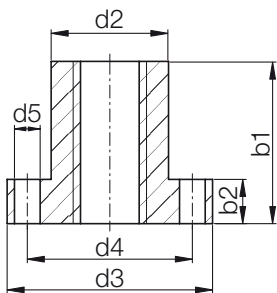
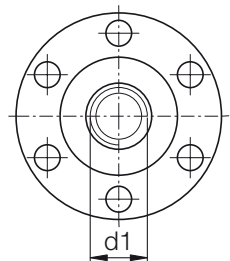


delivery from stock
time



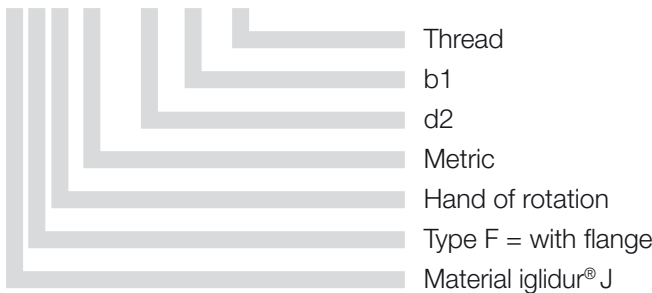
prices price list online
www.igus.eu/eu/jsrm-sg
www.igus.eu/eu/jslm-sg

High helix lead screw nuts with flange, made from iglidur® J
igidur® J – Best wear in dry operation



Order key

JFRM-2020SG8x10



Right-hand thread – Dimensions [mm]

Part number	Effective supporting surface [mm²]	d2	d3	d4	d5	b1	b2	Thread	max. stat. F axial [N]
								d1 x P	
JFRM-1315SG5x5	152	13	25	19	3	15	5	SG5x5	100*
JFRM-1315SG6.35x12.7	107	13	25	19	3	15	5	SG6.35x12.7	100*
JFRM-2020SG8x10	232	20	34	28	4	20	5	SG8x10	458*
JFRM-2020SG8x15	183	20	34	28	4	20	5	SG8x15	458
JFRM-2525SG10x12	324	25	42	34	5	25	10	SG10x12	810
JFRM-2525SG10x50	177	25	42	34	5	25	10	SG10x50	443
JFRM-2835SG12x25	337	28	48	38	6	35	12	SG12x25	843
JFRM-2835SG18x24	945	28	48	38	6	35	12	SG18x24	2,363
JFRM-2835SG18x100	500	28	48	38	6	35	12	SG18x100	1,250

Left-hand thread – Dimensions [mm]

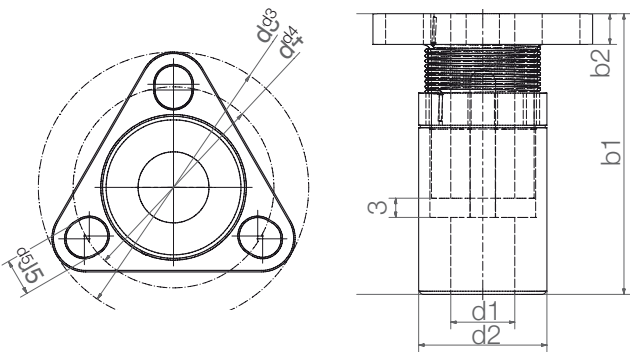
Part number	Effective supporting surface [mm²]	d2	d3	d4	d5	b1	b2	Thread	max. stat. F axial [N]
								d1 x P	
JFLM-2020SG8x10	232	20	34	28	4	20	5	SG8x10	458*
JFLM-2525SG10x12	324	25	42	34	5	25	10	SG10x12	810
JFLM-2525SG10x50	177	25	42	34	5	25	10	SG10x50	443
JFLM-2835SG12x25	337	28	48	38	6	35	12	SG12x25	843
JFLM-2835SG18x24	945	28	48	38	6	35	12	SG18x24	2,363
JFLM-2835SG18x100	500	28	48	38	6	35	12	SG18x100	1,250

* reduced axial load due to nut geometry
Other thread sizes and nut geometries upon request

delivery from stock
time

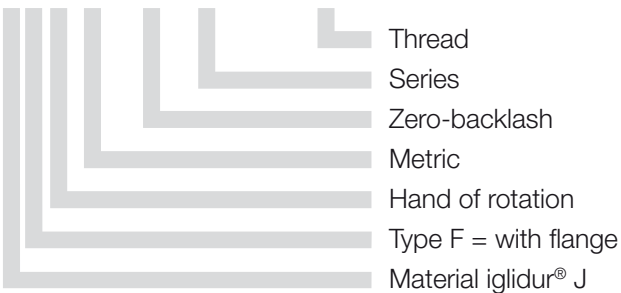
prices price list online
www.igus.eu/eu/jfrm-sg
www.igus.eu/eu/jflm-sg

Zero backlash lead screw nuts, made from iglidur® J
igidur® J – Best wear in dry operation



Order key

JFRM-ZB-0001-HH08x10



Dimensions [mm]

Part number	d1	d2	d3	d4	d5	b1*	b2	Thread d1xP
JFRM-ZB-0001-HH5x5	5.3	13.5	28	22.2	3.7	32	4.1	SG5x5
JFRM-ZB-0001-HH6.35x12.7	6.35	13.5	28	22.2	3.7	32	4.1	SG6.35x12.7
JFRM-ZB-0001-HH08x10	8	20	38.1	28.3	5.2	41-47	4.8	SG8x10
JFRM-ZB-0001-HH08x15	8	20	38.1	28.3	5.2	41-47	4.8	SG8x15
JFRM-ZB-0001-HH10x12	10	20	38.1	28.3	5.2	41-47	4.8	SG10x12
JFRM-ZB-0001-HH10x50	10	20	38.1	28.3	5.2	41-47	4.8	SG10x50

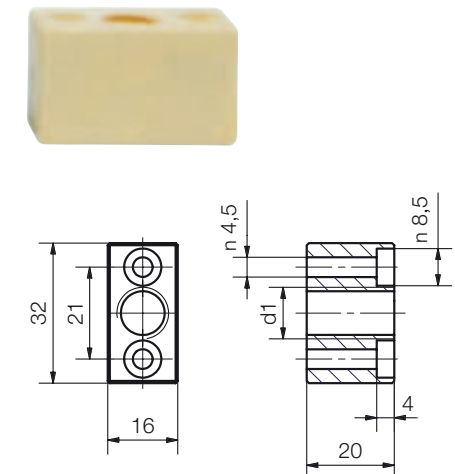
* variable according to thread pitch/clearance
Custom sizes upon request
can be combined with high helix lead screws ► [page 1092](#)

delivery from stock
time

prices price list online
www.igus.eu/eu/jfrm-zb

The lead screw nuts are in use in our SHT linear modules ► [page 1157](#)

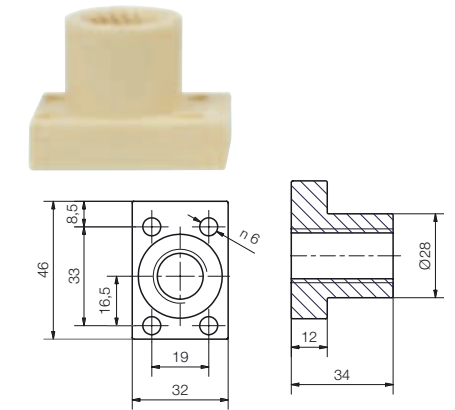
Square lead screw nuts



Dimensions [mm]

Part number	Thread	Hand of rotation	from SHT Linear module
SHT-1210-TRM10x2	TR10x2	right	SHT-12 ► page 1160
SHT-1210-TRM10x2-L	TR10x2	left	SHT-12 ► page 1160
SHT-1210-TRM10x3	TR10x3	right	SHT-12 ► page 1160
SHT-1210-TRM10x3-L	TR10x3	left	SHT-12 ► page 1160
SHT-1210-SM10x12	SG10x12	right	SHTS-12 ► page 1163
SHT-1210-SM10x12-L	SG10x12	left	SHTS-12 ► page 1163
SHT-1210-SM10x50	SG10x50	right	SHTS-12 ► page 1163
SHT-1210-SM10x50-L	SG10x50	left	SHTS-12 ► page 1163

Lead screw nuts with flange

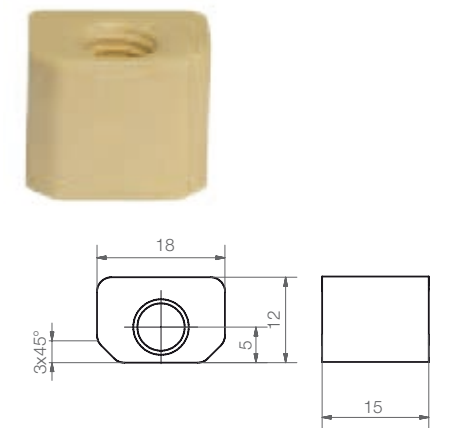


Dimensions [mm]

Part number	Thread	Hand of rotation	from SHT Linear module
SHT-2018-SM18x100	SG18x100	right	SHTS-20 ► p. 1163
SHT-2018-SM18x100-L	SG18x100	left	SHTS-20 ► p. 1163
SHT-2018-TRM18x4	TR18x4	right	SHTS-20 ► p. 1163
SHT-2018-TRM18x4-L	TR18x4	left	SHT-20 ► p. 1160
SHT-2018-TRM18x8	TR18x8P4	right	SHT-20 ► p. 1160
SHT-2018-TRM18x8-L	TR18x8P4	left	SHT-20 ► p. 1160

Please note: not symmetrical

Lead screw nuts



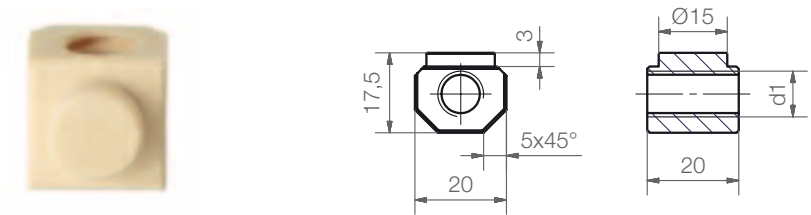
Dimensions [mm]

Part number	Thread	Hand of rotation	from SHT Linear module
SWZ-063001	M8x1	right	SLW-0630 ► page 1176
SWZ-063003	M8x1	left	SLW-0630 ► page 1176
SWZ-063009	TR8x1.5	right	SLW-0630 ► page 1176
SWZ-063010	TR8x1.5	left	SLW-0630 ► page 1176
SWZ-063007	SG8x10	right	SLW-0630 ► page 1176
SWZ-063008	SG8x10	left	SLW-0630 ► page 1176
SWZ-063004	SG8x15	right	SLW-0630 ► page 1176

delivery from stock
time

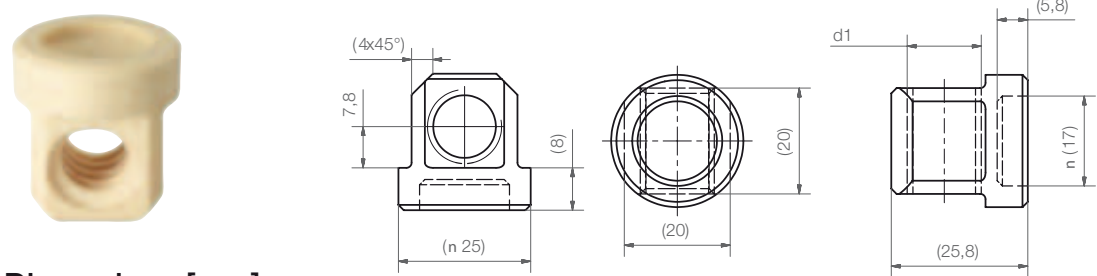
prices price list online
www.igus.eu/drylin-leadscrewdrives

Lead screw nuts with axial locks



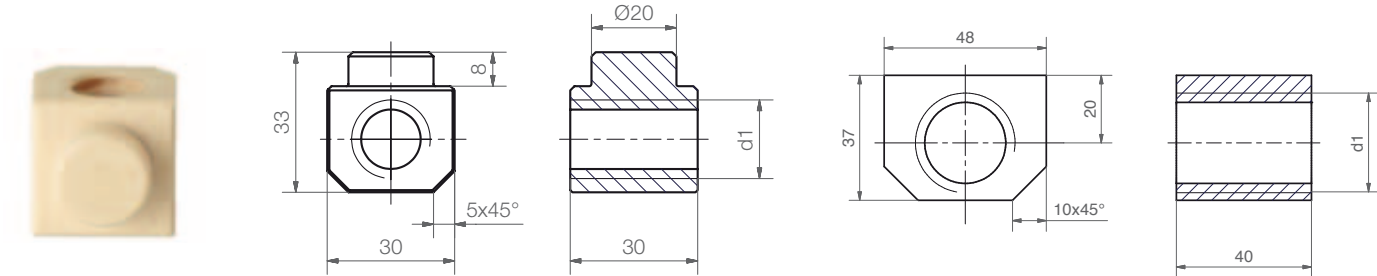
Dimensions [mm]

Part number	Thread	Hand of rotation	from SHT Linear module
SWZ-W-104003	TR10x2	right	SLW-1040 ► page 1176
SWZ-W-104004	TR10x2	left	SLW-1040 ► page 1176
SWZ-W-104006	M10x1	right	SLW-1040 ► page 1176
SWZ-W-104015	TR10x3	left	SLW-1040 ► page 1176
SWZ-W-104005	SG10x12	right	SLWS-1040 ► page 1041
SWZ-W-104005-L	SG10x12	left	SLWS-1040 ► page 1041
SWZ-W-104007	SG10x50	right	SLWS-1040 ► page 1041
SWZ-W-104010	SG10x50	left	SLWS-1040 ► page 1041



Dimensions [mm]

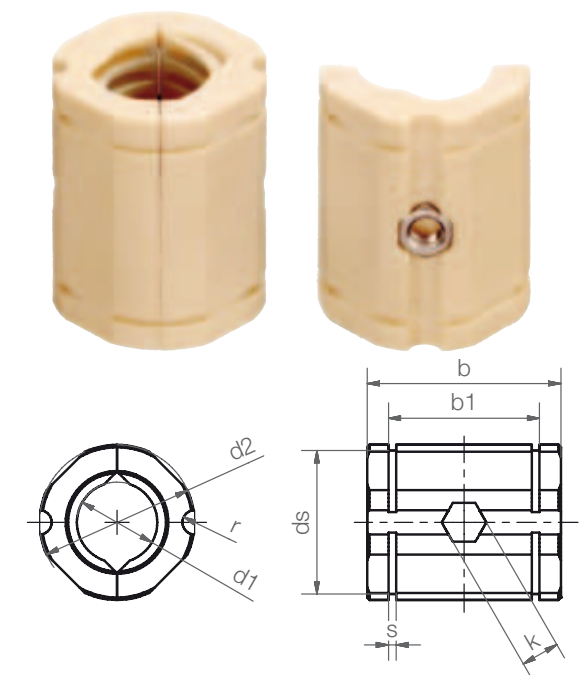
Part number	Thread	Hand of rotation	from SLW Linear module
SWZ-W-166002	TR14x3	right	SLW-1660 ► page 1176
SWZ-W-166001	TR14x4	right	SLW-1660 ► page 1176
SWZ-W-166003	TR14x4	left	SLW-1660 ► page 1176



Dimensions [mm]

Part number	Thread	Hand of rotation	from SLW Linear module
SWZ-W-208003	TR18x4	right	SLW-2080 ► page 984
SWZ-W-208004	TR18x4	left	SLW-2080 ► page 984
SWZ-W-208008	TR18x8P4	right	SLW-2080 ► page 984
SWZ-W-208009	TR18x8P4	left	SLW-2080 ► page 984
SWZ-W-208006	SG18x100	right	SLWS-2080 ► page 1179
SWZ-W-208007	SG18x100	left	SLWS-2080 ► page 1179
SWZ-W-208010	SG18x24	right	SLWS-2080 ► page 1179
SWZ-W-208011	SG18x24	left	SLWS-2080 ► page 1179
SWZ-W-2512001	TR24x5	right	SLW-25120 ► page 1176
SWZ-W-2512002	TR24x5	left	SLW-25120 ► page 1176

Split lead screw nuts, made from iglidur® J
igidur® J – Best wear in dry operation



Bestellschlüssel

JTRM-2230TR10x2

- Thread
- b1
- d2
- Metric
- Hand of rotation
- Trapezoidal thread
- Material iglidur® J



Scope of supply includes two nut halves and 1 piece nut each based on DIN 934 made of V2A to prevent twisting

Technical Data

Part number	max. load axial		Mounting with nut
	static* [N]	static** [N]	
JTRM-2230TR10x2	300	500	M4
JTRM-3240TR20x4	1.000	1.500	M5
JTRM-3240TR20x8P4	1.000	1.500	M5

Dimensions [mm]

Part number	b	b1	d1	d2	ds	k	r	s
JTRM-2230TR10x2	30	22,6	TR10x2	22	20,5	7	1,5	1,3
JTRM-3240TR20x4	40	31,2	TR20x4	32	29,6	8	2,5	1,6
JTRM-3240TR20x8P4	40	31,2	TR20x8P4	32	29,6	8	2,5	1,6

* Mounting in the housing via radially inserted nut DIN934

** Mounting in the housing via circlips DIN471

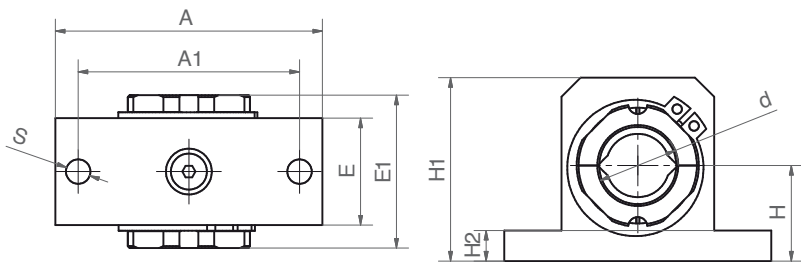


delivery
time from
stock



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

also available with housing block



Order key

RGAS-JTRM-TR10x2

- Thread
- Metric
- Hand of rotation
- Trapezoidal Thread
- Material
- igidur® J
- small
- Aluminium housing
- Linear bearing

Technical Data

Part number	Nut	Locking ring
RGAS-JTRM-TR10x2	DIN 439 M4	DIN 471-A22
RGAS-JTRM-TR20x4	DIN 439 M5	DIN 471-A32
RGAS-JTRM-TR20x8P4	DIN 439 M5	DIN 471-A32

Dimensions [mm]

Part number	d	H	H1	H2	A	A1	A2	E	E1	S
RGAS-JTRM-TR10x2	TR10x2	16	35	6	52	42	30	20	32	5.3
RGAS-JTRM-TR20x4	TR20x4	25	48	8	70	58	40	28	40	6.4
RGAS-JTRM-TR20x8P4	TR20x8P4	25	48	8	70	58	40	28	40	6.4

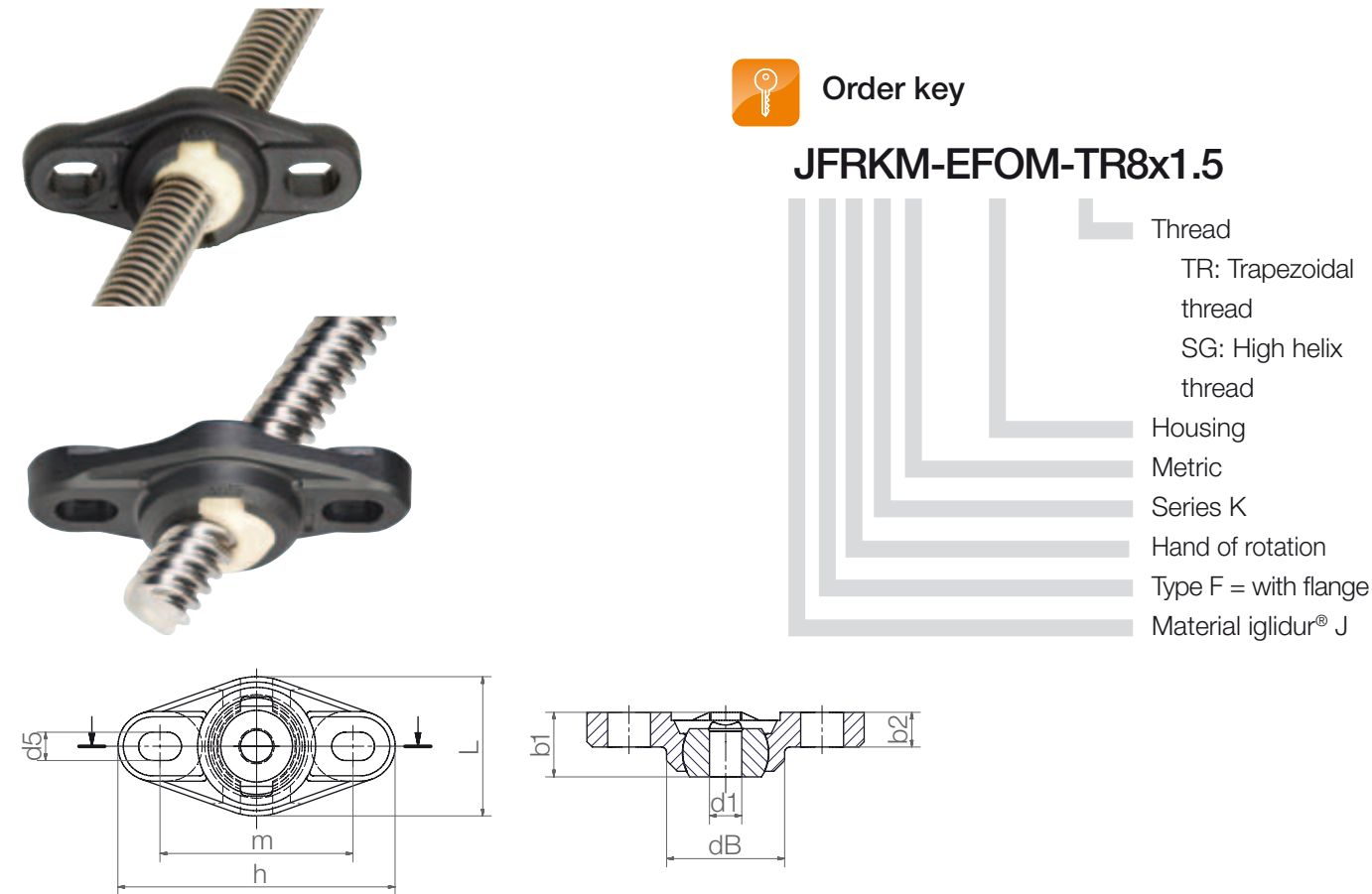


delivery
time from
stock



Preise price list online
www.igus.eu/eu/rgas-jtrm

Spherical trapezoidal lead screw nut with spherical ball cap in flanged bearing housing



Spherical trapezoidal lead screw nut – Dimensions [mm]

Part number	Effective sup. surface [mm²]	d1	h	L	b1	b2	m	dB	d5	Thread d1 x P	max. stat. F axial [N]	Pivoting angle stat. dyn.	
JFRKM-EFOM-TR8x1.5	102	8	52	26	12	6.5	36	22.2	5.3x8	TR8x1,5	100	25°	30°
JFRKM-EFOM-TR10x2	127	10	52	26	12	6.5	36	22.2	5.3x8	TR10x2	100	25°	30°
JFRKM-EFOM-TR10x3	120	10	52	26	12	6.5	36	22.2	5.3x8	TR10x3	100	25°	30°

Spherical high helix lead screw nut – Dimensions [mm]

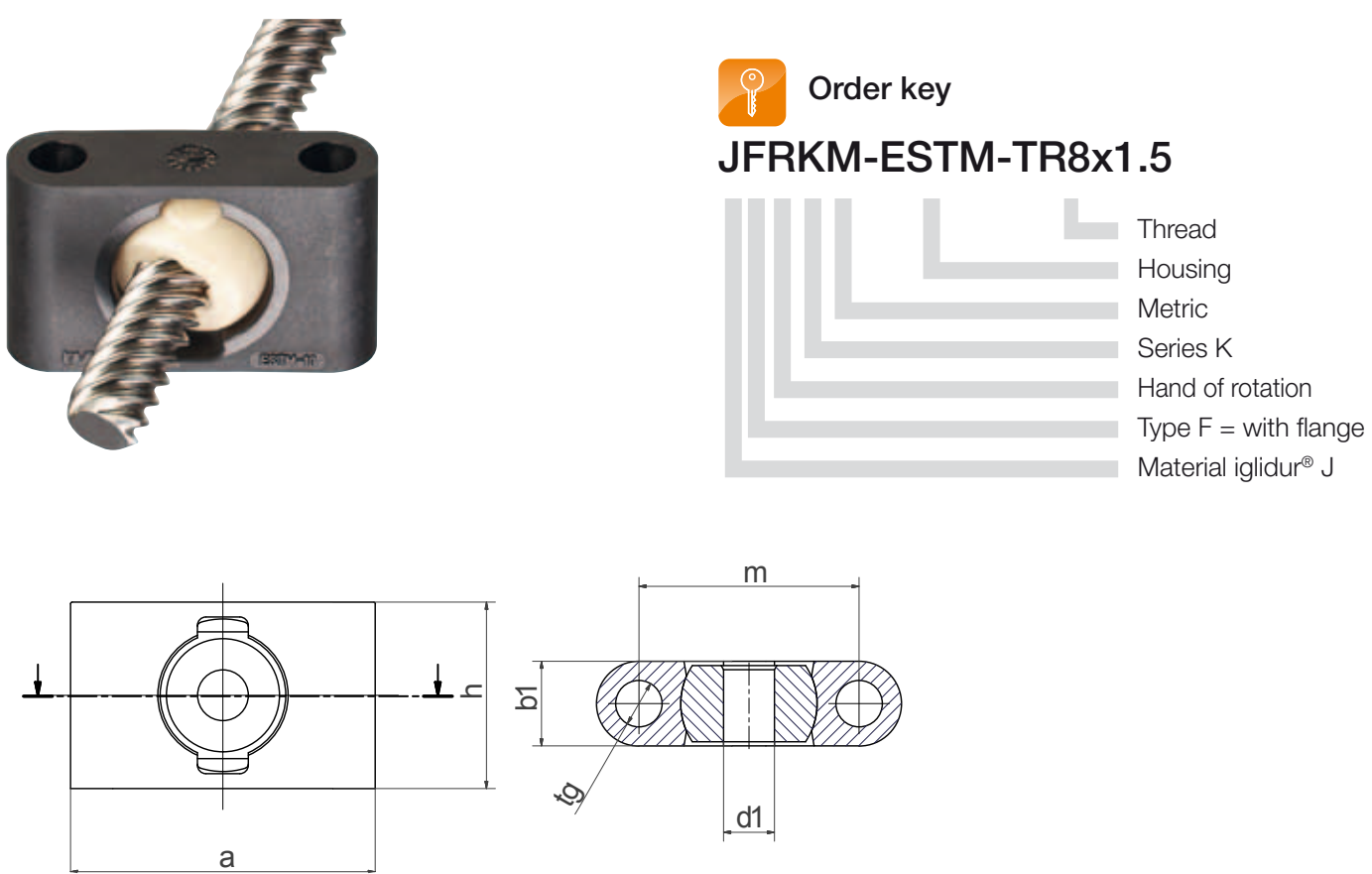
Part number	Effective sup. surface [mm²]	d1	h	L	b1	b2	m	dB	d5	Thread d1 x P	max. stat. F axial [N]	Pivoting angle stat. dyn.	
JFRKM-EFOM-SG08x15 New!	61	8	52	26	12	6.5	36	22.2	5.3x8	SG08x15	50	25°	30°
JFRKM-EFOM-SG10x12 New!	82	10	52	26	12	6.5	36	22.2	5.3x8	SG10x12	50	25°	30°

delivery from stock
time

prices price list online
www.igus.eu/eu/jfrkm-efom

New in this catalog!

Spherical lead screw nut with pillow block bearing housing



Dimensions [mm]

Part number	Effective supporting surface [mm²]	h	a	b1	m	tg	Thread d1 x P	max. stat. F axial [N]
JFRKM-ESTM-TR8x1.5 New!	TR8x1.5	22	36	10	26	5.5	TR8x1.5	100
JFRKM-ESTM-TR10x2 New!	TR10x2	22	36	10	26	5.5	TR10x2	100
JFRKM-ESTM-TR10x3 New!	TR10x3	22	36	10	26	5.5	TR10x3	100
JFRKM-ESTM-SG8x15 New!	SG8x15	22	36	10	26	5.5	SG8x15	50
JFRKM-ESTM-SG10x2 New!	SG10x2	22	36	10	26	5.5	SG10x2	50

delivery from stock
time

prices price list online
www.igus.eu/eu/jfrkm-estm

Quick-release nut – Fast forward



Order key

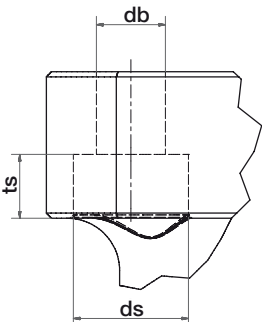
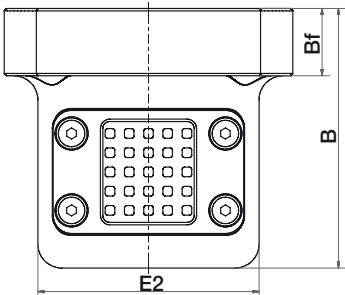
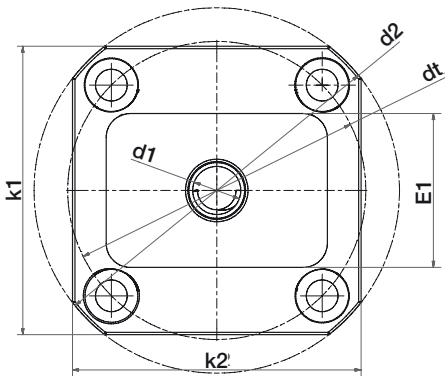
FTRM-FF-10x2



- Thread
- Fast Forward
- Metric
- Hand of rotation
- Trapezoidal thread
- With flange

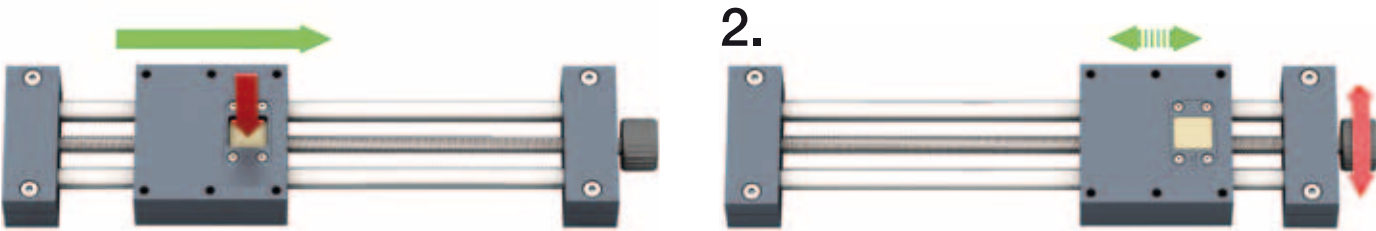
Fast forward mechanism: A combination of accurate positioning and quick manual adjustment with trapezoidal lead screw nuts.

- For quick format adjustments
 - incl. brake by means of self-locking thread design
 - Lubricant-free
 - Housing: AL anodized, screw nut made from iglidur® J
 - Rugged and stable
 - only recommended for horizontal applications
 - Max. axial load stat.: 200 N, dyn.: 50 N
- see SHT-FF ► **page 1166**



Dimensions [mm]

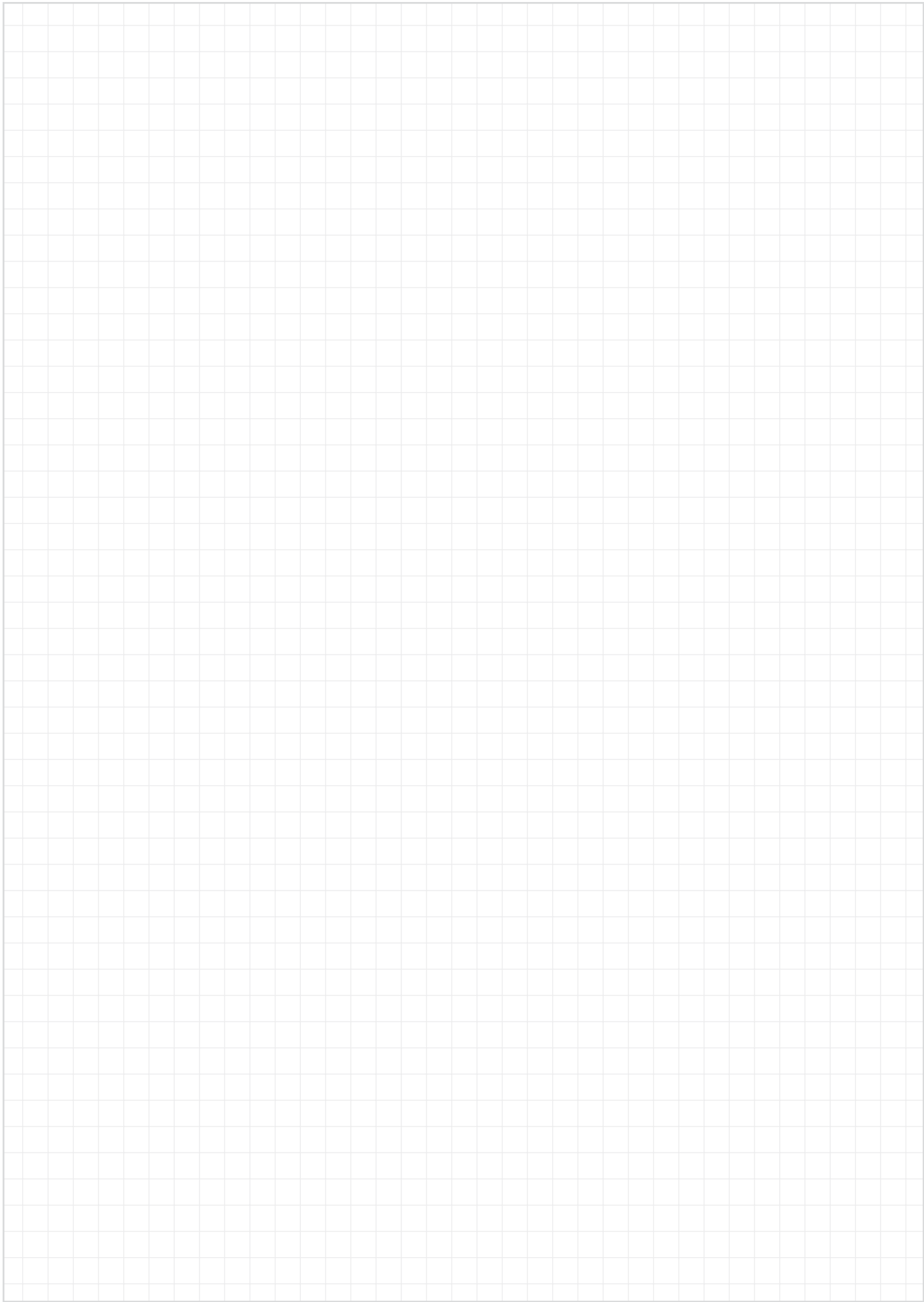
Part number	d1	d2	dt	B	Bf	ts	db	ds	k1	k2	E1	E2
FTRM-FF-10x2	TR-10x2	76	62	54	14	6.1	6.6	11	60	60	32	46



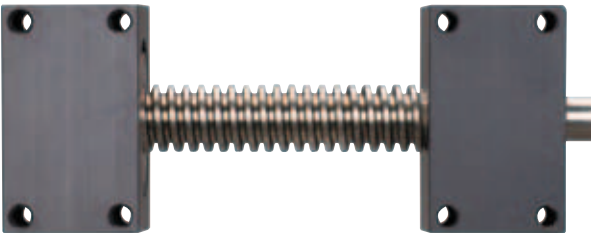
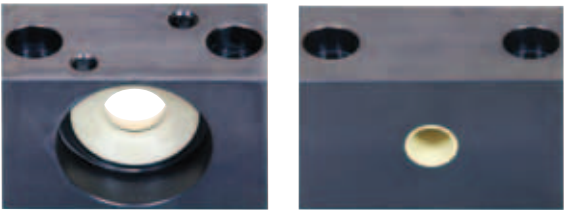
press > disengage > move manually > click into place > fine-tuning

price list online
www.igus.eu/eu/ftm-ff

My Sketches



Lead screw support blocks



i Scope of delivery: anodized support block with clamp rings and plain bearings (fixed and floating side)



Order Key

SLS-10x2-LL



LL: Fixed bearing
FL: Floating bearing
Lead
Marking



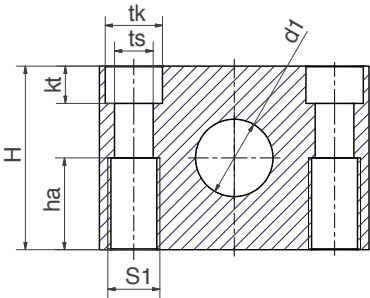
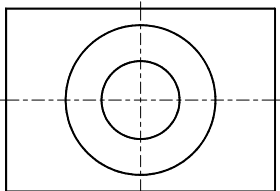
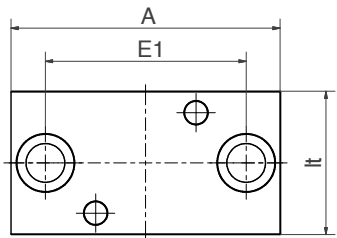
Accessories

► drylin® Drive Technology,
page 1203

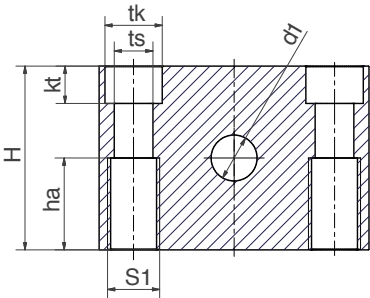
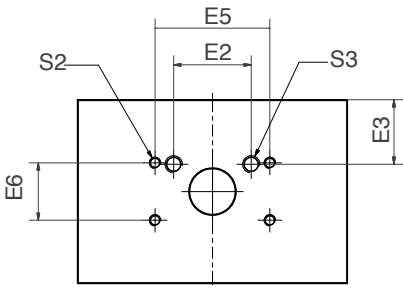
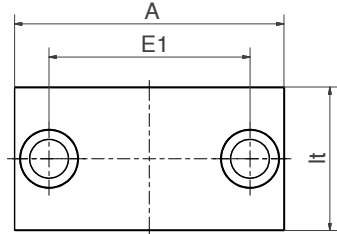


► page 1227

fixed bearing



floating bearing



Technical Data and Dimensions [mm]

Part number	Weight [g]	max. stat. F axial [N]	S1	S2	S3
SLS-10x2-LL	115	-	M8	M4	M6
SLS-10x2-FL	88	700	M8	-	-
SLS-10x3-LL	115	-	M8	M4	M6
SLS-10x3-FL	88	700	M8	-	-
SLS-10x12-LL	115	-	M8	M4	M6
SLS-10x12-FL	88	700*	M8	-	-
SLS-10x50-LL	115	-	M8	M4	M6
SLS-10x50-FL	88	700*	M8	-	-
SLS-18x4-LL	295	-	M0	M4	M6
SLS-18x4-FL	205	1,600	M0	-	-
SLS-18x8P4-LL	295	-	M0	M4	M6
SLS-18x8P4-FL	205	1,600	M0	-	-
SLS-18x24-LL	295	-	M0	M4	M6
SLS-18x24-FL	205	1,600*	M0	-	-
SLS-18x100-LL	295	-	M0	M4	M6
SLS-18x100-FL	205	1,600*	M0	-	-
SLS-24x5-LL	725	-	M16	M4	M6
SLS-24x5-FL	525	2,500	M16	-	-

Part number	A	H	E1	E2	E3	E5	E6	lt	kt	tk	ts	d1	ha
SLS-10x2-LL	50	32	36	27	6.5	40	20	30	6.5	11	6.6	10	16
SLS-10x2-FL	50	32	36	-	-	-	-	30	6.5	11	6.6	10	16
SLS-10x3-LL	50	32	36	27	6.5	40	20	30	6.5	11	6.6	10	16
SLS-10x3-FL	50	32	36	-	-	-	-	30	6.5	11	6.6	10	16
SLS-10x12-LL	50	32	36	27	6.5	40	20	30	6.5	11	6.6	10	16
SLS-10x12-FL	50	32	36	-	-	-	-	30	6.5	11	6.6	10	16
SLS-10x50-LL	50	32	36	27	6.5	40	20	30	6.5	11	6.6	10	16
SLS-10x50-FL	50	32	36	-	-	-	-	30	6.5	11	6.6	10	16
SLS-18x4-LL**	72	46	54	27	13.5	40	20	36	8.6	15	9	18	23
SLS-18x4-FL	72	46	54	-	-	-	-	36	8.6	15	9	18	23
SLS-18x8P4-LL**	72	46	54	27	13.5	40	20	36	8.6	15	9	18	23
SLS-18x8P4-FL	72	46	54	-	-	-	-	36	8.6	15	9	18	23
SLS-18x24-LL**	72	46	54	27	13.5	40	20	36	8.6	15	9	18	23
SLS-18x24-FL***	72	46	54	-	-	-	-	36	8.6	15	9	18	23
SLS-18x100-LL**	72	46	54	27	13.5	40	20	36	8.6	15	9	18	23
SLS-18x100-FL***	72	46	54	-	-	-	-	36	8.6	15	9	18	23
SLS-24x5-LL**	94	64	70	27	22.5	40	20	50	13	20	13.5	24	32
SLS-24x5-FL	94	64	70	-	-	-	-	50	13	20	13.5	24	32

* Can exceed max. stat. load of the nut

** Must be turned to dimension d1 *** Must be turned to 18 mm

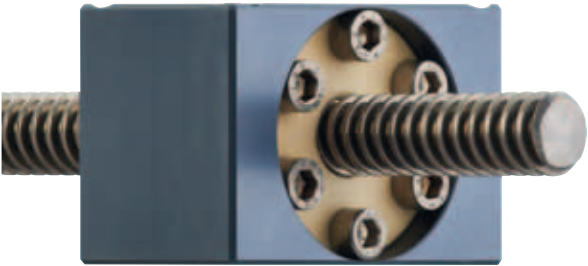


delivery from stock
time



prices price list online
www.igus.eu/eu/sls-ll

drylin®-lead screw nut retainer – single or fitted

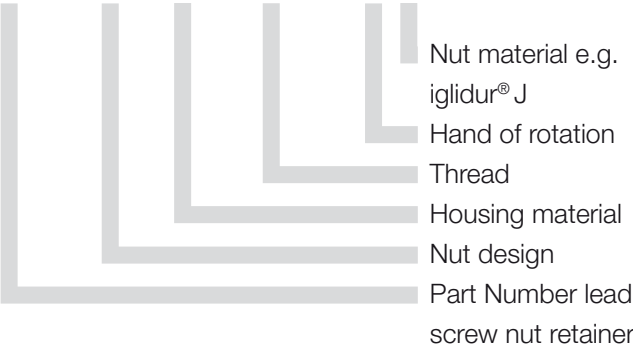


- Conveniently use screws to standard lead screw nuts with nut retainers
- Can be screw-mounted from above
- One retainer can be used for various thread pitches
- Nearly limitless combinations



Order key

MHM-1210-AL-TR10x2-R-J



MH-ZB-0810-AL



MH-1210-AL



MH-2835-AL / MH-3244-AL



MH-2018-AL

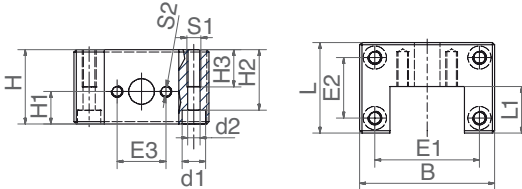


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time

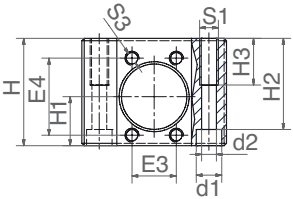


prices price list online
www.igus.eu/eu/mh

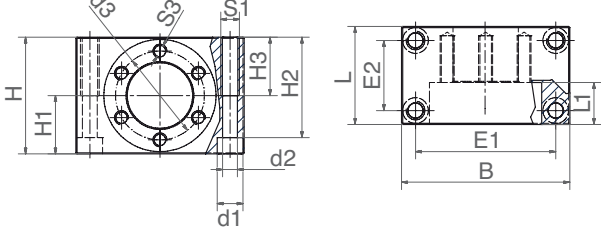
MH-1210-AL



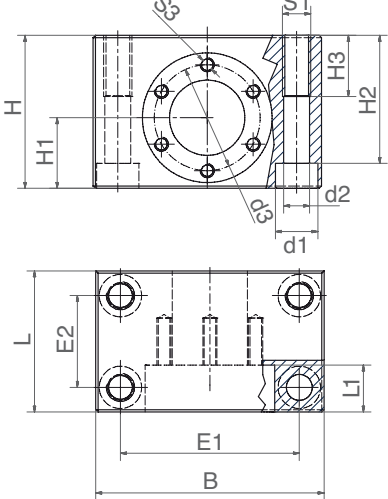
MH-2018-AL



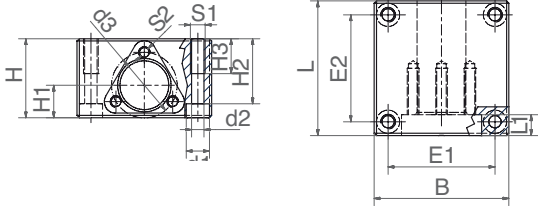
MH-2835-AL



MH-3244-AL



MH-ZB-0810-AL

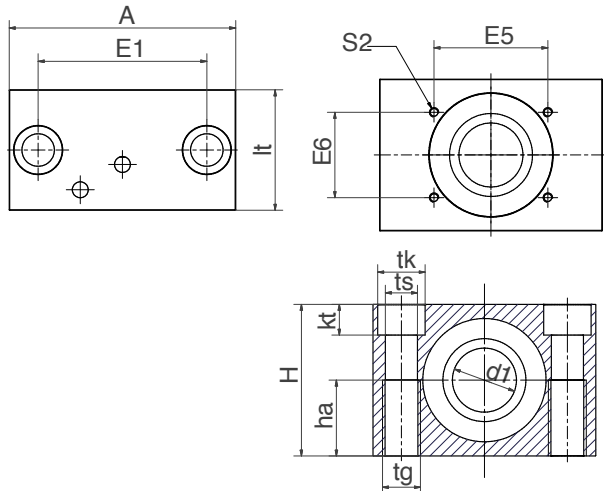
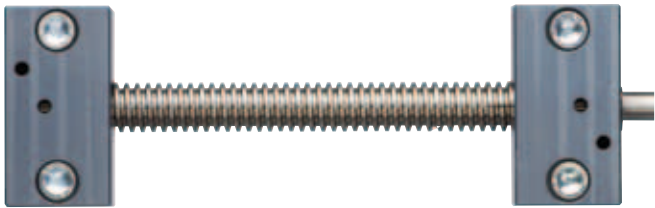


Dimensions [mm]

Part number		H	H1	H2	H3	S1	S2	B	L	L1	E1	E2	E3	E4	d1	d2	d3	Can be combined with SLS
		± 0.3 ± 0.3								±0.15±0.15								
MH-1210-AL	New!	32	14	26	16	M6	M5	58	39	20	45	26	21	-	10	5.3	-	✓
MH-2018-AL	New!	46	21	39	20	M8	M6	62	45	18	47	30	19	33	11	6.4	-	✓
MH-2835-AL	New!	50	25	43	25	M8	M6	72	42	18	60	30	-	-	11	6.4	38	✗
MH-3244-AL	New!	65	30	54.4	26	M12	M6	97	60	20	76	39	-	-	18	11	45	✓
MH-ZB0810-AL	New!	34	14	28	15	M6	M5	58	34	9	46	46	-	-	10	5.3	28.2	✓

Part number	Nut design	Thread
MH-1210-AL	SHT-1210-TRM	TR10x2 / TR10x3 / SG10x12 / SG10x50
MH-2018-AL	SHT-2018-TRM	TR18x4 / TR18x8P4 / SG18x24 / SG18x100
MH-2835-AL	FRM-2835	TR12x3 / TR12x6P3 / SG12x25 / TR14x3 / TR14x4 / TR16x2 / TR16x4 / TR16x8P4 / TR18x4 / TR18x8P4 / SG18x24 / SG18x100
MH-3244-AL	FRM-3244	TR20x4 / TR20x8P4 / TR24x5
MH-ZB0810-AL	Zero-Backlash	SG8x10 / SG8x15 / SG10x12 / SG10x50

Lead screw support with ball bearings



Bestellschlüssel

SLS-10x2-BB



Accessories

► drylin® Drive Technology,
page 1203



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Technische Daten und Abmessungen [mm]

Part number	Weight [g]	Max. stat. load capacity axial [N]	S1	S2
SLS-10x2-BB	110	350	M8	M4
SLS-10x12-BB	110	350	M8	M4
SLS-10x50-BB	110	350	M8	M4
SLS-18x4-BB	265	1,000	M10	M4
SLS-18x8P4-BB	265	1,000	M10	M4
SLS-18x24-BB	265	1,000	M10	M4
SLS-18x100-BB	265	1,000	M10	M4
SLS-24x5-BB	350	1,500	M16	M4

Part number	A	H	E1	E5	E6	It	kt	tk	ts	d1	ha
SLS-10x2-BB	50	32	36	40	20	30	6.5	11	6.6	10	16
SLS-10x12-BB	50	32	36	40	20	30	6.5	11	6.6	10	16
SLS-10x50-BB	50	32	36	40	20	30	6.5	11	6.6	10	16
SLS-18x4-BB	72	46	54	48	36	36	8.6	15	9	18	23
SLS-18x8P4-BB	72	46	54	48	36	36	8.6	15	9	18	23
SLS-18x24-BB*	72	46	54	48	36	36	8.6	15	9	18	23
SLS-18x100-BB*	72	46	54	48	36	36	8.6	15	9	18	23
SLS-24x5-BB	94	64	70	48	36	50	13	20	13.5	24	32

* Must be turned to 18 mm



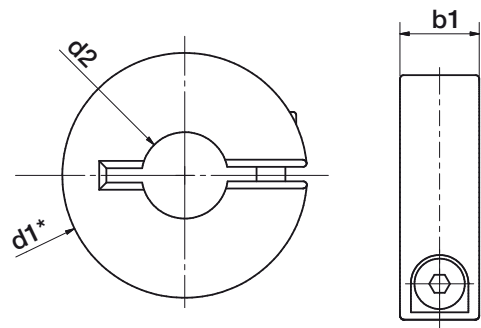
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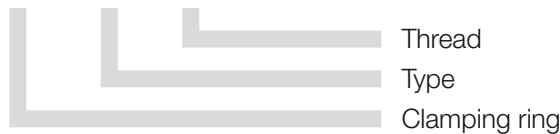
New in this catalog!

drylin®-clamping ring



Bestellschlüssel

CRR-01-TR8x1.5



Abmessungen [mm]

Part number	Thread	d2*	b1	max. stat. F axial
right-handed	d1 x P	h9		[N]
CRR-01-TR8x1.5 New!	TR8x1.5	16	9	1,530
CRR-01-TR10x2 New!	TR10x2	24	8	1,800
CRR-01-TR12x3 New!	TR12x3	28	8	2,096
CRR-01-TR14x4 New!	TR14x4	30	11	3,312
CRR-01-TR16x4 New!	TR16x4	34	11	3,840
CRR-01-TR18x4 New!	TR18x4	36	13	5,216
CRR-01-TR20x4 New!	TR20x4	45	15	6,784
CRR-01-TR24x5 New!	TR24x5	45	15	8,096

* Outside clamping ring dimension. Screw head may protrude. Installation dimension: d2+2mm

Part number	Thread	d2*	b1	max. stat. F axial
left-handed	d1 x P	h9		[N]
CRL-01-TR8x1.5 New!	TR8x1.5	16	9	1,530
CRL-01-TR10x2 New!	TR10x2	24	8	1,800
CRL-01-TR12x3 New!	TR12x3	28	8	2,096
CRL-01-TR14x4 New!	TR14x4	30	11	3,312
CRL-01-TR16x4 New!	TR16x4	34	11	3,840
CRL-01-TR18x4 New!	TR18x4	36	13	5,216
CRL-01-TR20x4 New!	TR20x4	45	15	6,784
CRL-01-TR24x5 New!	TR24x5	45	15	8,096



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time



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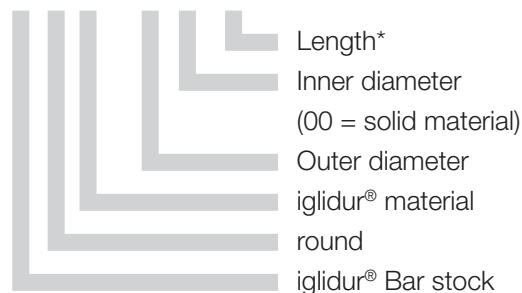
iglidur® bar stock ► page 691

drylin® lead screw nuts are typically machined from solid billets. The machining process is able to conveniently produce maintenance-free lead screw nuts to your desired dimensions. For prototypes, test samples and mass production requirements.












Order key

SFR□ - 3000-500



Materials and available dimensions [mm]

Materials	Outer diameter									Length*
	10	20	30	40	50	60	65	80	100	
 iglidur® J – General purpose, good wear-resistance and low friction	●	●	●	●	●	●	●	●	●	100 to 1000*
 iglidur® W300 – Material for high load requirements			●	●	●	●	●	●		100 to 1000*
 iglidur® X – Chemical-resistant high-temperature material		●	●							100 to 1000*
 iglidur® J4 – Wear resistant and cost-effective		●	●	●	●	●				100 to 1000*
 iglidur® P210 – Material for high speeds at low loads		●	●	●	●	●				100 to 1000*
 iglidur® J350 – High-temperature material		●	●	●	●	●				100 to 1000*
 iglidur® A180 – General purpose for medical and food industry (FDA compliant)	●	●	●	●	●	●		●	●	100 to 1000*
 iglidur® A350 – High-temperature material for medical and food industry (FDA compliant)		●	●	●	●	●				100 to 1000*
 iglidur® T220 – Material for tobacco applications			●	●	●	●				100 to 1000*

* length in mm from 100 to 1000 graduated in 100 mm steps

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