



CF15, rolled, AISI 1015



Stainless steel, rolled, AISI 304



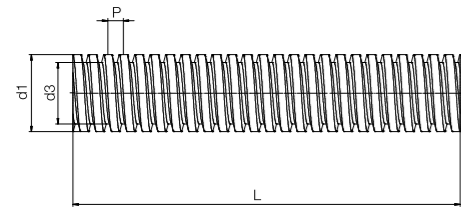
Aluminium, rolled (EN AW 6082)



Technical data

Pitch variation	0.1mm to 300mm
Straightness (standard)	0.3mm to 300mm
Aligned	<0.1mm to 300mm
Tolerance (according to DIN 103)	7e

The tensile/compressive strength of the EN AW 6082 lead screw material is 160MPa per mm² (elongation limit 0.2mm).



Technical data

Thread	Hand of rotation		Material						Pitch P [mm]	Pitch angle α [°]
			C15	Stainless steel				Aluminium EN AW 6082		
				Stainless steel AISI 304	Stainless steel AISI 303	Stainless steel AISI 316L	Stainless steel AISI 321			
Tr8x1.5	●	●	●	●	-	-	-	1.5	3.42	
Tr10x2	●	●	●	●	-	-	●	2	3.64	
Tr10x3	●	●	●	-	-	●	-	3	5.45	
Tr12x3	●	●	●	●	-	-	●	3	4.55	
Tr14x3	●	●	●	●	-	-	-	3	3.90	
Tr14x4	●	●	●	-	-	-	●	4	5.20	
Tr16x2	●	●	●	-	●	-	-	2	2.28	
Tr16x4	●	●	●	●	-	-	-	4	4.55	
Tr18x4	●	●	●	●	-	-	●	4	4.05	
Tr20x4	●	●	●	●	-	-	●	4	3.64	
Tr24x5	●	●	●	●	-	-	-	5	3.79	
Tr26x5	●	●	●	●	-	-	-	5	3.50	
Tr28x5	●	●	●	●	-	-	-	5	3.25	
Tr30x6	●	●	●	●	-	-	-	6	3.64	
Tr32x6	●	●	●	-	●	-	-	6	3.42	
Tr36x6	●	●	●	-	●	-	-	6	3.04	
Tr40x7	●	●	●	-	●	-	-	7	3.19	
Tr50x8	●	●	●	-	●	-	-	8	2.92	



Please contact us!

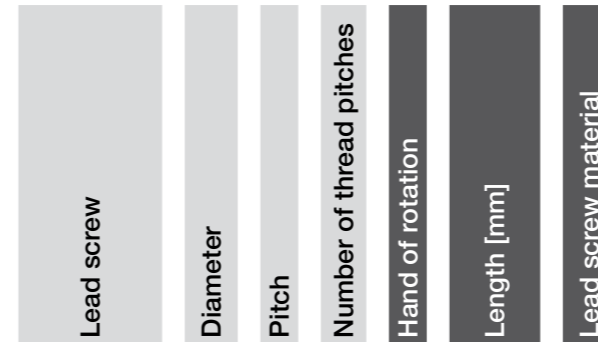
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Order key

Part number	Thread	Options
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PTGSG-10X2-01-R-1000-ES



Options:
 Hand of rotation
 R: Right-hand thread
 L: Left-hand thread
 Length in mm: Freely selectable (see table)
 Lead screw material
 Blank: C15, rolled
 ES: Stainless steel, rolled
 AL: Aluminium, rolled



ACME thread (US standard)

► page 1620

Dimensions [mm]

C15	Weight		Outer Ø d1		Core Ø d3		Max. total length L			Part No.
	[kg/m]	Stainless steel [kg/m]	Aluminium [kg/m]	min.	max.	min.	max.	L		
								C15 / ES	AL	
0.39	0.40	0.14	7.8	8	5.4	6.2	1,500	-	PTGSG-8X1.5-01-□-□	
0.62	0.62	0.21	9.8	10	7.2	7.5	3,000	1,000	PTGSG-10X2-01-□-□	
0.62	0.62	0.21	9.8	10	6.2	6.5	3,000	-	PTGSG-10X3-01-□-□	
0.89	0.89	0.31	11.8	12	7.7	8.5	3,000	1,000	PTGSG-12X3-01-□-□	
1.21	1.22	0.42	13.8	14	9.7	10.5	3,000	-	PTGSG-14X3-01-□-□	
1.21	1.22	0.42	13.7	14	9.1	9.5	3,000	-	PTGSG-14X4-01-□-□	
1.58	1.59	0.54	15.8	16	11.8	12.8	3,000	-	PTGSG-16X2-01-□-□	
1.58	1.59	0.54	15.7	16	10.5	11.5	3,000	1,000	PTGSG-16X4-01-□-□	
2.00	2.01	0.69	17.7	18	12.5	13.5	3,000	2,000	PTGSG-18X4-01-□-□	
2.47	2.48	0.85	19.7	20	14.5	15.5	3,000	2,000	PTGSG-20X4-01-□-□	
3.55	3.57	1.22	23.7	24	17.3	18.5	3,000	-	PTGSG-24X5-01-□-□	
4.17	4.19	1.43	25.7	26	19.3	20.5	3,000	-	PTGSG-26X5-01-□-□	
4.83	4.86	1.66	27.7	28	21.3	22.5	3,000	-	PTGSG-28X5-01-□-□	
5.55	5.58	1.91	29.6	30	21.6	23.0	3,000	-	PTGSG-30X6-01-□-□	
6.31	6.35	2.17	31.6	32	24.5	25.0	3,000	-	PTGSG-32X6-01-□-□	
7.99	8.04	2.75	35.6	36	27.6	29.0	3,000	-	PTGSG-36X6-01-□-□	
9.86	9.93	3.39	39.6	40	30.4	32.0	3,000	-	PTGSG-40X7-01-□-□	
15.41	15.51	5.30	49.6	50	39.2	41.0	3,000	-	PTGSG-50X8-01-□-□	



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CF15, rolled, AISI 1015

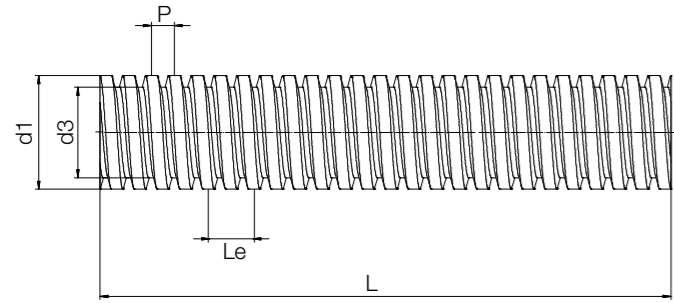


Stainless steel, rolled, AISI 304

Technical data

Pitch variation	0.1mm to 300mm
Straightness (standard)	0.3mm to 300mm
Aligned	<0.1mm to 300mm
Tolerance (according to DIN 103)	7e

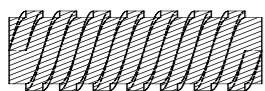
P = Pitch
Le = Lead/pitch



Technical data

Thread	Hand of rotation		Material		Total pitch Le [mm]	Pitch P [mm]	Pitch angle α [°]	Weight	
	right	left	C15	Stainless steel AISI 304				C15 [kg/m]	Stainless steel [kg/m]
Tr06x2P1	●	–	●	●	2	1	6.06	0.22	0.22
Tr10x4P2	●	●	●	●	4	2	7.26	0.62	0.62
Tr12x6P3	●	●	●	●	6	3	9.04	0.89	0.89
Tr16x8P4	●	●	●	●	8	4	9.04	1.58	1.59
Tr18x8P4	●	●	●	●	8	4	8.05	2.00	2.01
Tr20x8P4	●	●	●	●	8	4	7.26	2.47	2.48

i Definition: Multi start trapezoidal lead screw
Example 8P4 pitch

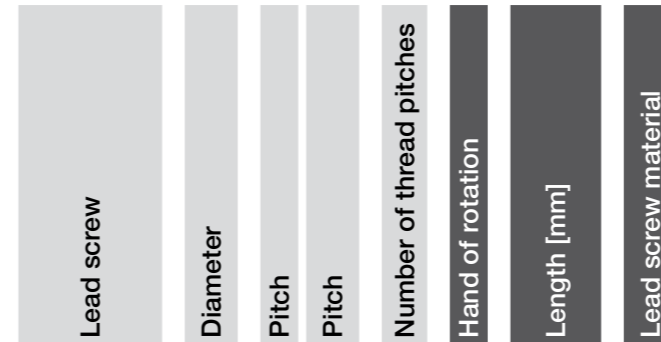


Pitch [P] = Pitch: distance to the next thread pitch, e.g. P4 = 4mm
Lead [Le] = Pitch: distance between threads flanks per thread pitch, e.g. Pitch 8 = Distance of 8mm

Order key

Part number	Thread	Options
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PTGSG-10X4 P2-02-R-1000-ES



Options:
Hand of rotation
R: Right-hand thread
L: Left-hand thread
Length in mm: Freely selectable (see table)
Lead screw material
Blank: C15, rolled, AISI 1015
ES: Stainless steel, rolled, AISI 304
AL: Aluminium, rolled

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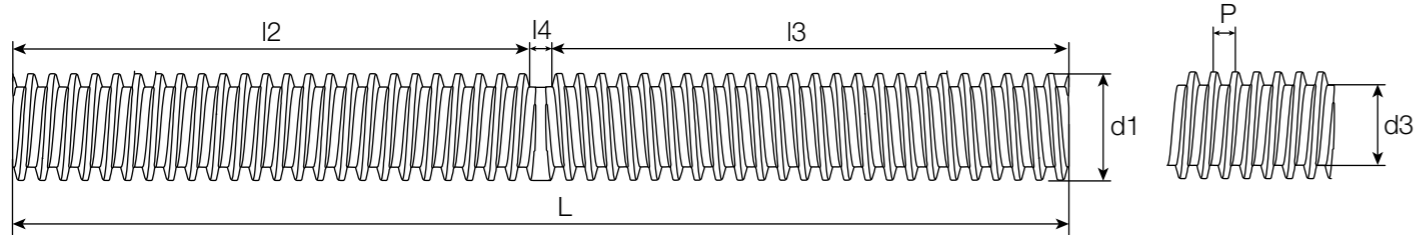
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Dimensions [mm]

Outer Ø d1		Core Ø d3		Max. total length L	Part No.
min.	max.	min.	max.		
5.9	6	3.4	3.5	3,000	PTGSG-06X2P1-02-□-□
9.8	10	7.2	7.5	3,000	PTGSG-10X4P2-02-□-□
11.8	12	7.7	8.5	3,000	PTGSG-12X6P3-02-□-□
15.7	16	10.5	11.5	3,000	PTGSG-16X8P4-02-□-□
17.7	18	12.5	13.5	3,000	PTGSG-18X8P4-02-□-□
19.7	20	14.5	15.5	3,000	PTGSG-20X8P4-02-□-□


Technical data

Pitch variation	0.1mm to 300mm
Straightness (standard)	0.3mm to 300mm
Aligned	<0.1mm to 300mm
Tolerance (according to DIN 103)	7e

**Technical data**

Thread	Material		Pitch P [mm]	Pitch angle α [°]	Weight	
	C15	Stainless steel			C15	Stainless steel
		AISI 304			[kg/m]	[kg/m]
Tr10x2	●	●	2	3.64	0.62	0.62
Tr12x3	●	●	3	4.55	0.89	0.89
Tr14x4	●	●	4	5.20	1.21	1.22
Tr16x4	●	●	4	4.55	1.58	1.58
Tr18x4	●	●	4	4.05	2.00	2.01
Tr20x4	●	●	4	3.64	2.47	2.48
Tr24x5	●	●	5	3.79	3.55	3.57

⁴⁶⁾ Non-usable thread transition⁴⁷⁾ Length right-hand thread (I3)⁴⁸⁾ Length left-hand thread (I2)

Order key

Part number	Thread	Options
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PTGSG-10X2-01-R/L-100-100-ES

Lead screw	Diameter	Pitch	Thread pitches	LH/RH	⁴⁷⁾ Length right [mm]	⁴⁸⁾ Length left-hand [mm]	Lead screw material
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Options:

⁴⁷⁾ I3: Length right-hand thread⁴⁸⁾ I2: Length left-hand thread

Length in mm: Freely selectable (see table)

Lead screw material

Blank: C15, rolled, AISI 1015

ES: Stainless steel, rolled, AISI 304

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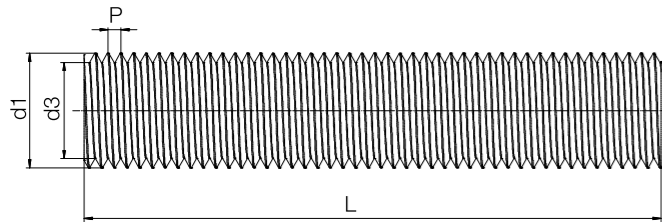
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Outer Ø d1		Core Ø d3		Thread transition I4 ⁴⁶⁾	Max. total length L	Part No.
min.	max.	min.	max.			
9.8	10	7.2	7.5	20	1,000	PTGSG-10X2-01-R/L-□ ⁴⁷⁾ -□ ⁴⁸⁾
11.8	12	7.7	8.5	30	1,000	PTGSG-12X3-01-R/L-□ ⁴⁷⁾ -□ ⁴⁸⁾ New
13.7	14	9.1	9.5	40	1,000	PTGSG-14X4-01-R/L-□ ⁴⁷⁾ -□ ⁴⁸⁾
15.7	16	10.5	11.5	30	1,000	PTGSG-16X4-01-R/L-□ ⁴⁷⁾ -□ ⁴⁸⁾ New
17.7	18	12.5	13.5	55	1,500	PTGSG-18X4-01-R/L-□ ⁴⁷⁾ -□ ⁴⁸⁾
19.7	20	14.5	15.5	55	2,000	PTGSG-20X4-01-R/L-□ ⁴⁷⁾ -□ ⁴⁸⁾
23.7	24	17.3	18.5	60	2,000	PTGSG-24X5-01-R/L-□ ⁴⁷⁾ -□ ⁴⁸⁾



 Technical data

Pitch variation	0.1mm to 300mm
Straightness (standard)	0.3mm to 300mm
Aligned	<0.1mm to 300mm
Tolerance (according to DIN 13)	6g



Technical data

Thread	Hand of rotation right	Material Stainless steel AISI 304	Pitch P [mm]	Pitch angle α [°]	Weight [kg/m]
M4	●	●	0.7	3.19	0.10
M5	●	●	0.8	2.92	0.16
M6	●	●	1.0	3.04	0.22
M8	●	●	1.25	2.85	0.40
M10	●	●	1.5	2.73	0.62

 Order key

Part number	Thread	Options
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PTGSG-M3-01-R-1000-ES

Lead screw	Thread size	Thread pitches	Hand of rotation	Length [mm]	Lead screw material
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Options:

Length in mm: Freely selectable (see table)

Lead screw material

ES: Stainless steel, rolled, AISI 304



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We can then provide a quotation quickly.

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Dimensions [mm]

	Outer Ø d1		Core Ø d3		Max. total length L	Part No.
	min.	max.	min.	max.		
2.8	3.0	2.2	2.3	1,000	PTGSG-M3-01-R-□-ES	
3.8	4.0	2.9	3.1	1,000	PTGSG-M4-01-R-□-ES	
4.8	4.9	3.8	4.0	1,000	PTGSG-M5-01-R-□-ES	
5.7	5.9	4.5	4.7	1,000	PTGSG-M6-01-R-□-ES	
7.8	8.0	6.47	6.65	1,000	PTGSG-M8-01-R-□-ES	
9.8	10.0	8.16	8.38	1,000	PTGSG-M10-01-R-□-ES	

**Highly efficient at all speeds:**
iglidur® J

Thread	Efficiency	Coefficient of friction
	η	μ
Single start		
Tr8x1.5	19–37	0.1–0.25
Tr10x2	20–39	0.1–0.25
Tr10x3	27–48	0.1–0.25
Tr12x3	24–44	0.1–0.25
Tr14x3	24–40	0.1–0.25
Tr14x4	26–47	0.1–0.25
Tr16x2	14–28	0.1–0.25
Tr16x4	24–44	0.1–0.25
Tr18x4	22–41	0.1–0.25
Tr20x4	20–39	0.1–0.25
Tr24x5	21–40	0.1–0.25
Tr26x5	19–38	0.1–0.25
Tr28x5	18–36	0.1–0.25
Tr30x6	20–39	0.1–0.25
Tr32x6	19–37	0.1–0.25
Tr36x6	17–34	0.1–0.25
Tr40x7	18–36	0.1–0.25
Tr50x8	17–34	0.1–0.25
Multi start		
Tr06x2P1	29–51	0.1–0.25
Tr10x4P2	33–55	0.1–0.25
Tr12x6P3	37–60	0.1–0.25
Tr16x8P4	37–60	0.1–0.25
Tr18x8P4	35–58	0.1–0.25
Tr20x8P4	33–55	0.1–0.25
Metric		
M3	17–34	0.1–0.25
M4	18–36	0.1–0.25
M5	17–34	0.1–0.25
M6	17–34	0.1–0.25
M8	16–33	0.1–0.25
M10	16–32	0.1–0.25

**Highly resilient and wear-resistant:**
iglidur® W300

Thread	Efficiency	Coefficient of friction
	η	μ
Single start		
Tr8x1.5	19–33	0.12–0.25
Tr10x2	20–34	0.12–0.25
Tr10x3	27–44	0.12–0.25
Tr12x3	24–39	0.12–0.25
Tr14x3	21–36	0.12–0.25
Tr14x4	26–43	0.12–0.25
Tr16x2	14–25	0.12–0.25
Tr16x4	24–39	0.12–0.25
Tr18x4	22–37	0.12–0.25
Tr20x4	20–34	0.12–0.25
Tr24x5	21–35	0.12–0.25
Tr26x5	19–34	0.12–0.25
Tr28x5	18–32	0.12–0.25
Tr30x6	20–34	0.12–0.25
Tr32x6	19–33	0.12–0.25
Tr36x6	17–30	0.12–0.25
Tr40x7	18–31	0.12–0.25
Tr50x8	17–30	0.12–0.25
Multi start		
Tr06x2P1	29–46	0.12–0.25
Tr10x4P2	33–51	0.12–0.25
Tr12x6P3	37–56	0.12–0.25
Tr16x8P4	37–56	0.12–0.25
Tr18x8P4	35–53	0.12–0.25
Tr20x8P4	33–51	0.12–0.25
Metric		
M3	17–30	0.12–0.25
M4	18–31	0.12–0.25
M5	17–30	0.12–0.25
M6	17–30	0.12–0.25
M8	16–29	0.12–0.25
M10	16–28	0.12–0.25

**For temperatures up to +150°C:**
iglidur® J350

Thread	Efficiency	Coefficient of friction
	η	μ
Single start		
Tr8x1.5	19–26	0.17–0.25
Tr10x2	20–27	0.17–0.25
Tr10x3	27–35	0.17–0.25
Tr12x3	24–34	0.17–0.25
Tr14x3	21–28	0.17–0.25
Tr14x4	26–34	0.17–0.25
Tr16x2	14–19	0.17–0.25
Tr16x4	24–31	0.17–0.25
Tr18x4	22–29	0.17–0.25
Tr20x4	20–27	0.17–0.25
Tr24x5	21–28	0.17–0.25
Tr26x5	19–26	0.17–0.25
Tr28x5	18–25	0.17–0.25
Tr30x6	20–27	0.17–0.25
Tr32x6	19–26	0.17–0.25
Tr36x6	17–24	0.17–0.25
Tr40x7	18–24	0.17–0.25
Tr50x8	–	–
Multi start		
Tr06x2P1	29–38	0.17–0.25
Tr10x4P2	33–42	0.17–0.25
Tr12x6P3	37–47	0.17–0.25
Tr16x8P4	37–47	0.17–0.25
Tr18x8P4	35–44	0.17–0.25
Tr20x8P4	33–42	0.17–0.25
Metric		
M3	17–24	0.17–0.25
M4	18–24	0.17–0.25
M5	17–23	0.17–0.25
M6	17–24	0.17–0.25
M8	16–22	0.17–0.25
M10	16–22	0.17–0.25

**For medium to high speeds:**
iglidur® R

Thread	Efficiency	Coefficient of friction
	η	μ
Single start		
Tr8x1.5	16–23	0.2–0.3
Tr10x2	17–24	0.2–0.3
Tr10x3	23–32	0.2–0.3
Tr12x3	20–28	0.2–0.3
Tr14x3	18–25	0.2–0.3
Tr14x4	23–31	0.2–0.3
Tr16x2	12–16	0.2–0.3
Tr16x4	20–28	0.2–0.3
Tr18x4	19–26	0.2–0.3
Tr20x4	17–24	0.2–0.3
Tr24x5	18–25	0.2–0.3
Tr26x5	17–23	0.2–0.3
Tr28x5	16–22	0.2–0.3
Tr30x6	17–24	0.2–0.3
Tr32x6	16–23	0.2–0.3
Tr36x6	–	–
Tr40x7	–	–
Tr50x8	–	–
Multi start		
Tr06x2P1	25–34	0.2–0.3
Tr10x4P2	29–38	0.2–0.3
Tr12x6P3	33–43	0.2–0.3
Tr16x8P4	33–43	0.2–0.3
Tr18x8P4	31–40	0.2–0.3
Tr20x8P4	29–38	0.2–0.3
Metric		
M3	15–21	0.2–0.3
M4	15–22	0.2–0.3
M5	14–20	0.2–0.3
M6	15–21	0.2–0.3
M8	14–20	0.17–0.25
M10	14–19	0.17–0.25



FDA-compliant for the food/
pharmaceutical industry: iglidur® A180

Thread	Efficiency η	Coefficient of friction μ
Single start		
Tr8x1.5	19–28	0.15–0.25
Tr10x2	20–30	0.15–0.25
Tr10x3	27–38	0.15–0.25
Tr12x3	24–44	0.15–0.25
Tr14x3	21–31	0.15–0.25
Tr14x4	26–47	0.15–0.25
Tr16x2	14–21	0.15–0.25
Tr16x4	24–34	0.15–0.25
Tr18x4	22–32	0.15–0.25
Tr20x4	20–30	0.15–0.25
Tr24x5	21–30	0.15–0.25
Tr26x5	19–29	0.15–0.25
Tr28x5	18–27	0.15–0.25
Tr30x6	20–30	0.15–0.25
Tr32x6	19–28	0.15–0.25
Tr36x6	17–26	0.15–0.25
Tr40x7	18–27	0.15–0.25
Tr50x8	–	–
Multi start		
Tr06x2P1	29–41	0.15–0.25
Tr10x4P2	33–45	0.15–0.25
Tr12x6P3	37–50	0.15–0.25
Tr16x8P4	37–50	0.15–0.25
Tr18x8P4	35–48	0.15–0.25
Tr20x8P4	33–45	0.15–0.25
Metric		
M3	17–26	0.15–0.25
M4	18–27	0.15–0.25
M5	17–25	0.15–0.25
M6	17–26	0.15–0.25
M8	16–25	0.15–0.25
M10	16–24	0.15–0.25



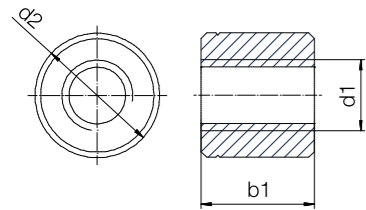
For high speeds:
igidur® E7

Thread	Efficiency η	Coefficient of friction μ
Single start		
Tr8x1.5	16–23	0.2–0.3
Tr10x2	17–24	0.2–0.3
Tr10x3	23–32	0.2–0.3
Tr12x3	20–28	0.2–0.3
Tr14x3	18–25	0.2–0.3
Tr14x4	23–31	0.2–0.3
Tr16x2	–	–
Tr16x4	–	–
Tr18x4	–	–
Tr20x4	–	–
Tr24x5	–	–
Tr26x5	–	–
Tr28x5	–	–
Tr30x6	–	–
Tr32x6	–	–
Tr36x6	–	–
Tr40x7	–	–
Tr50x8	–	–
Multi start		
Tr06x2P1	25–34	0.2–0.3
Tr10x4P2	29–38	0.2–0.3
Tr12x6P3	33–43	0.2–0.3
Tr16x8P4	–	–
Tr18x8P4	–	–
Tr20x8P4	–	–
Metric		
M3	15–21	0.2–0.3
M4	15–22	0.2–0.3
M5	14–20	0.2–0.3
M6	15–21	0.2–0.3
M8	14–20	0.2–0.3
M10	14–19	0.2–0.3



The specialist on hard anodised
aluminium: iglidur® J200

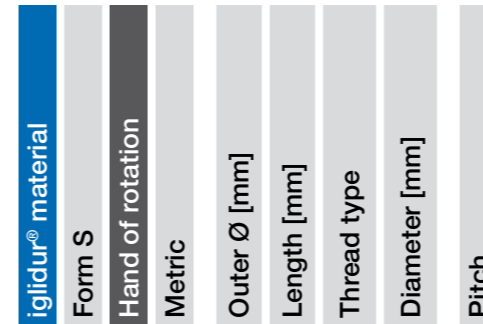
Thread	Efficiency η	Coefficient of friction μ
Single start		
Tr8x1.5	–	–
Tr10x2	–	–
Tr10x3	–	–
Tr12x3	–	–
Tr14x3	–	–
Tr14x4	–	–
Tr16x2	–	–
Tr16x4	24–44	0.1–0.25
Tr18x4	22–41	0.1–0.25
Tr20x4	20–39	0.1–0.25
Tr24x5	21–40	0.1–0.25
Tr26x5	19–38	0.1–0.25
Tr28x5	18–36	0.1–0.25
Tr30x6	20–39	0.1–0.25
Tr32x6	19–37	0.1–0.25
Tr36x6	17–34	0.1–0.25
Tr40x7	18–36	0.1–0.25
Tr50x8	17–34	0.1–0.25
Multi start		
Tr06x2P1	29–51	0.1–0.25
Tr10x4P2	33–55	0.1–0.25
Tr12x6P3	37–60	0.1–0.25
Tr16x8P4	37–60	0.1–0.25
Tr18x8P4	35–58	0.1–0.25
Tr20x8P4	33–55	0.1–0.25
Metric		
M3	17–34	0.1–0.25
M4	18–36	0.1–0.25
M5	17–34	0.1–0.25
M6	17–34	0.1–0.25
M8	16–33	0.1–0.25
M10	–	–



Order key

Type d2 b1 Thread

S R M-2215TR10X2



Options:
Hand of rotation
R: Right-hand thread
L: Left-hand thread

- J** High efficiency at all speeds
- W(300)** Extremely strong and wear-resistant
- J350** For temperatures up to +150°C
- R** The cost-effective option for high volume
- A180** FDA-compliant for the food and pharmaceutical industries

Technical data

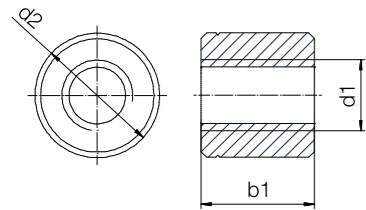
Thread	Hand of rotation		Effective supporting surface [mm²]	Max. stat. axial F [N]				
	right	left		igidur®				
				J	W300	J350	R	A180
Tr8x1.5	●	●	205	500 ⁴³⁾	500 ⁴³⁾	500 ⁴³⁾	500 ⁴³⁾	500 ⁴³⁾
Tr8x1.5	●	●	137	547	683	410	273	478
Tr10x2	●	●	212	848	1,060	636	424	742
Tr10x2	●	●	283	1,131	1,414	848	565	990
Tr10x3	●	●	200	801	1,001	601	401	701
Tr10x3	●	●	267	1,068	1,335	801	534	935
Tr12x3	●	●	297	1,188	1,484	891	594	1,039
Tr12x3	●	●	396	1,583	1,979	1,188	792	1,385
Tr14x3	●	●	550	2,199	2,749	1,649	1,100	1,924
Tr14x4	●	●	396	1,583	1,979	1,188	792	1,385
Tr14x4	●	●	528	2,111	2,639	1,583	1,056	1,847
Tr16x2	●	●	565	2,262	2,827	1,696	1,131	1,979
Tr16x2	●	●	754	3,016	3,770	2,262	1,508	2,639
Tr16x4	●	●	528	2,111	2,639	1,583	1,056	1,847
Tr16x4	●	●	528	2,111	2,639	1,583	1,056	1,847
Tr16x4	●	●	704	2,815	3,519	2,111	1,407	2,463
Tr18x4	●	●	679	2,362 ⁴³⁾	2,362 ⁴³⁾	2,362 ⁴³⁾	2,362 ⁴³⁾	2,362 ⁴³⁾
Tr18x4	●	●	679	2,714	3,393	2,036	1,357	2,375
Tr18x4	●	●	905	3,619	4,524	2,714	1,810	3,167

⁴³⁾ Reduced axial load due to nut geometry

Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	b1 ¹⁵⁶⁾	Weight [g]					Part No.
			igidur®					
			J	W300	J350	R	A180	
8	14	18	2.8	2.9	2.7	2.6	2.7	<input type="checkbox"/> S <input type="checkbox"/> M-1418TR8X1.5
8	18	12	3.7	3.8	3.5	3.4	3.6	<input type="checkbox"/> S <input type="checkbox"/> M-1812TR8X1.5
10	22	15	6.7	7.0	6.5	6.3	6.6	<input type="checkbox"/> S <input type="checkbox"/> M-2215TR10X2
10	22	20	9.0	9.3	8.7	8.4	8.8	<input type="checkbox"/> S <input type="checkbox"/> M-2220TR10X2
10	22	15	6.7	7.0	6.5	6.3	6.6	<input type="checkbox"/> S <input type="checkbox"/> M-2215TR10X3
10	22	20	9.0	9.3	8.7	8.4	8.8	<input type="checkbox"/> S <input type="checkbox"/> M-2220TR10X3
12	26	18	11.2	11.6	10.8	10.5	11.0	<input type="checkbox"/> S <input type="checkbox"/> M-2618TR12X3
12	26	24	14.9	15.4	14.4	13.9	14.6	<input type="checkbox"/> S <input type="checkbox"/> M-2624TR12X3
14	30	28	23.1	23.8	22.3	21.5	22.6	<input type="checkbox"/> S <input type="checkbox"/> M-3028TR14X3
14	30	21	17.3	17.9	16.7	16.1	17.0	<input type="checkbox"/> S <input type="checkbox"/> M-3021TR14X4
14	30	28	23.1	23.8	22.3	21.5	22.6	<input type="checkbox"/> S <input type="checkbox"/> M-3028TR14X4
16	36	24	29.2	30.1	28.2	27.2	28.6	<input type="checkbox"/> S <input type="checkbox"/> M-3624TR16X2
16	36	32	38.9	40.2	37.6	36.3	38.2	<input type="checkbox"/> S <input type="checkbox"/> M-3632TR16X2
16	30	24	18.1	18.7	17.5	16.9	17.7	<input type="checkbox"/> S <input type="checkbox"/> M-3024TR16X4
16	36	24	29.2	30.1	28.2	27.2	28.6	<input type="checkbox"/> S <input type="checkbox"/> M-3624TR16X4
16	36	32	38.9	40.2	37.6	36.3	38.2	<input type="checkbox"/> S <input type="checkbox"/> M-3632TR16X4
18	30	27	18.2	18.8	17.6	17.0	17.8	<input type="checkbox"/> S <input type="checkbox"/> M-3027TR18X4
18	40	27	40.3	41.6	39.0	37.6	39.5	<input type="checkbox"/> S <input type="checkbox"/> M-4027TR18X4
18	40	36	53.8	55.5	52.0	50.1	52.7	<input type="checkbox"/> S <input type="checkbox"/> M-4036TR18X4

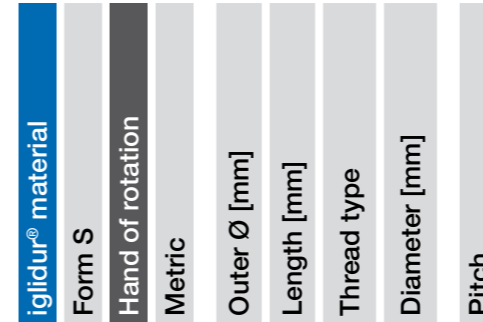
¹⁵⁶⁾ Tolerances according to DIN ISO 2768-1, tolerance class m (medium)



Order key

Type d2 b1 Thread

S R M-30 25 TR 20X4



Options:
Hand of rotation
R: Right-hand thread
L: Left-hand thread

- J** High efficiency at all speeds
- W(300)** Extremely strong and wear-resistant
- J350** For temperatures up to +150°C
- R** The cost-effective option for high volume
- A180** FDA-compliant for the food and pharmaceutical industries

Technical data

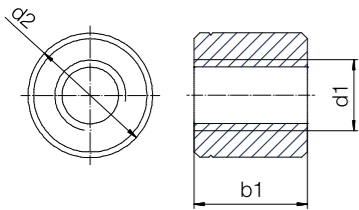
Thread	Hand of rotation		Effective supporting surface [mm²]	Max. stat. axial F [N]				
	right	left		iglidur®				
				J	W300	J350	R	A180
Tr20x4	●	●	707	2,060 ⁴³⁾	3,534	2,121	1,414	2,474
Tr20x4	●	●	848	3,393	4,241	2,545	1,696	2,969
Tr20x4	●	●	1,131	4,524	5,655	3,393	2,262	3,958
Tr24x5	●	●	1,216	4,863	6,079	3,647	2,432	4,255
Tr24x5	●	●	1,621	6,484	8,105	4,863	3,242	5,674
Tr26x5	●	●	1,440	5,759	7,198	4,319	2,879	5,039
Tr26x5	●	●	1,920	7,678	9,598	5,759	3,839	6,718
Tr28x5	●	●	1,682	6,729	8,412	5,047	3,365	5,888
Tr28x5	●	●	2,243	8,972	11,215	6,729	4,486	7,851
Tr30x6	●	●	1,909	7,634	9,543	5,726	3,817	6,680
Tr30x6	●	●	2,545	10,179	12,723	7,634	5,089	8,906
Tr32x6	●	●	3,134	12,535	15,669	9,401	6,267	10,968
Tr36x6	●	●	3,732	14,929	18,661	-	-	13,063
Tr40x7	●	●	4,587	18,347	22,934	-	-	16,054
Tr50x8	●	●	7,226	28,903	-	-	-	-

⁴³⁾ Reduced axial load due to nut geometry

Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	b1 ¹⁵⁶⁾	Weight [g]					Part No.
			iglidur®					
			J	W300	J350	R	A180	
20	30	25	14.6	15.1	14.1	13.6	14.3	<input type="checkbox"/> S <input type="checkbox"/> M-3025TR20X4
20	45	30	57.0	58.9	55.1	53.2	55.9	<input type="checkbox"/> S <input type="checkbox"/> M-4530TR20X4
20	45	40	76.1	78.5	73.5	71.0	74.5	<input type="checkbox"/> S <input type="checkbox"/> M-4540TR20X4
24	50	36	81.1	83.6	78.3	75.6	79.4	<input type="checkbox"/> S <input type="checkbox"/> M-5036TR24X5
24	50	48	108.1	111.5	104.4	100.8	105.9	<input type="checkbox"/> S <input type="checkbox"/> M-5048TR24X5
26	50	39	83.2	85.9	80.5	77.7	81.6	<input type="checkbox"/> S <input type="checkbox"/> M-5039TR26X5
26	50	52	111.0	114.5	107.3	103.5	108.8	<input type="checkbox"/> S <input type="checkbox"/> M-5052TR26X5
28	60	42	138.4	142.8	133.8	129.1	135.6	<input type="checkbox"/> S <input type="checkbox"/> M-6042TR28X5
28	60	56	184.5	190.4	178.3	172.2	180.8	<input type="checkbox"/> S <input type="checkbox"/> M-6056TR28X5
30	60	45	142.2	146.7	137.4	132.6	139.3	<input type="checkbox"/> S <input type="checkbox"/> M-6045TR30X6
30	60	60	189.6	195.6	183.2	176.9	185.8	<input type="checkbox"/> S <input type="checkbox"/> M-6060TR30X6
32	60	60	180.9	186.7	174.8	168.7	177.2	<input type="checkbox"/> S <input type="checkbox"/> M-6060TR32X6
36	75	72	364.8	376.4	-	-	357.4	<input type="checkbox"/> S <input type="checkbox"/> M-7572TR36X6
40	76	80	391.0	403.4	-	-	383.1	<input type="checkbox"/> S <input type="checkbox"/> M-7680TR40X7
50	90	100	655.3	-	-	-	-	<input type="checkbox"/> S <input type="checkbox"/> M-90100TR50X8

¹⁵⁶⁾ Tolerances according to DIN ISO 2768-1, tolerance class m (medium)



Order key

Type d2 b1 Thread

S R M-28 35 TR 12X6P3

iglidur® material	Form S	Hand of rotation	Metric	Outer Ø [mm]	Length [mm]	Thread type	Diameter [mm]	Pitch
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Options:
Hand of rotation
R: Right-hand thread
L: Left-hand thread

J	High efficiency at all speeds
W(300)	Extremely strong and wear-resistant
J350	For temperatures up to +150°C
R	The cost-effective option for high volume
A180	FDA-compliant for the food and pharmaceutical industries
E7	For high speeds

Technical data

Thread	Hand of rotation		Effective supporting surface [mm²]	Max. stat. axial F [N] iglidur®					
	right	left		J	W300	J350	R	A180	E7
Tr06x2P1	●	–	112	200 ⁴³⁾	200 ⁴³⁾	200 ⁴³⁾	200 ⁴³⁾	200 ⁴³⁾	56
Tr10x4P2	●	●	396	1,346	1,682	1,009	673	1,178	–
Tr12x6P3	●	●	396	1,346	1,682	1,009	673	1,178	–
Tr16x8P4	●	●	528	1,794	2,243	1,346	897	1,570	–
Tr16x8P4	●	●	704	2,393	2,991	1,794	1,196	2,094	–
Tr18x8P4	●	–	804	2,734	3,418	2,051	1,367	2,393	–
Tr20x8P4	●	–	1,131	3,845	4,807	2,884	1,923	3,365	–

⁴³⁾ Reduced axial load due to nut geometry

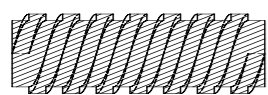
Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	b1 ¹⁵⁶⁾	Weight [g] iglidur®						Part No.
			J	W300	J350	R	A180	E7	
6	14	13	2.4	2.5	2.4	2.3	2.4	2.4	<input type="checkbox"/> SRM-1413TR06X2P1
12	26	24	14.9	12.4	14.4	13.9	14.6	–	<input type="checkbox"/> S□M-2624TR10X4P2
12	30	24	21.2	17.7	20.5	19.8	20.8	–	<input type="checkbox"/> S□M-3024TR12X6P3
16	30	24	18.1	15.1	17.5	16.9	17.7	–	<input type="checkbox"/> S□M-3024TR16X8P4
16	36	32	38.9	32.4	37.6	36.3	38.2	–	<input type="checkbox"/> S□M-3632TR16X8P4
18	40	36	53.8	44.7	52.0	50.1	52.7	–	<input type="checkbox"/> SRM-4036TR18X8P4
20	45	40	76.1	63.3	73.5	71.0	74.5	–	<input type="checkbox"/> SRM-4540TR20X8P4

¹⁵⁶⁾ Tolerances according to DIN ISO 2768-1, tolerance class m (medium)

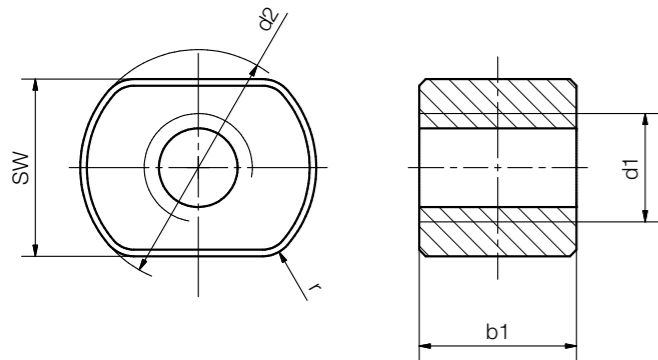
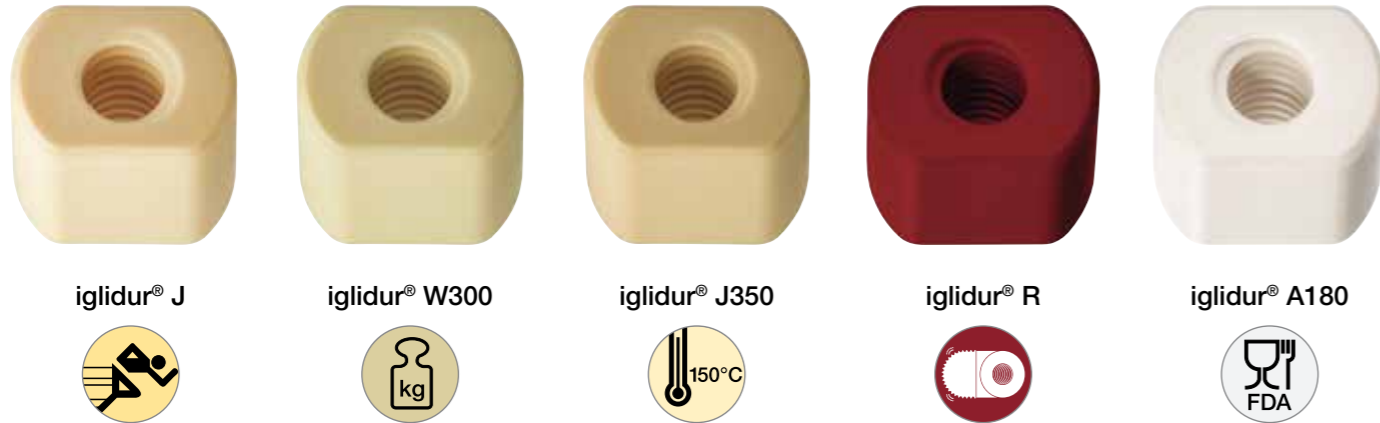
i Definition: Multi start trapezoidal lead screw

Example 8P4 pitch



P4 pitch: Distance to the next thread pitch 4mm

Pitch 8: Pitch 8mm



Technical data

Thread	Hand of rotation		Effective support surface [mm²]	Max. stat. axial F [N]				
	right	left		igidur®				
				J	W300	J350	R	A180
Tr10x2	●	●	283	1,131	1,414	848	565	990
Tr12x3	●	●	396	1,583	1,979	1,188	792	1,385
Tr16x4	●	●	528	2,111	2,639	1,583	1,056	1,847
Tr20x4	●	●	1,131	4,524	5,655	3,393	2,262	3,958
Tr24x5	●	●	1,621	6,484	8,105	4,863	3,242	5,674
Tr30x6	●	●	2,545	10,179	12,723	7,634	5,089	8,906

Order key

Type SW d2 b1 Thread

□ S R M-17 22 20 TR 10X2

igidur® material	Form S	Hand of rotation	Metric	Width across flats	Outer Ø [mm]	Length [mm]	Trapezoidal thread	Diameter [mm]	Pitch
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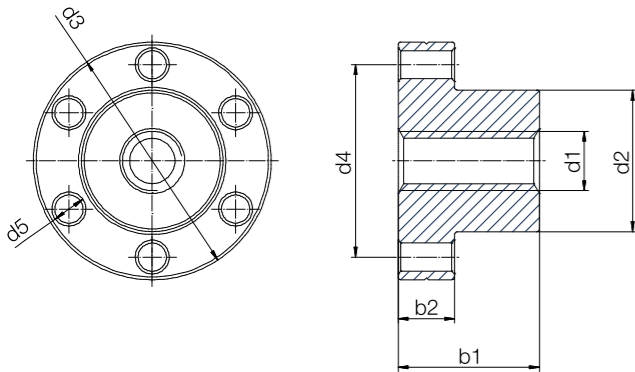
Options:
Hand of rotation
R: Right-hand thread
L: Left-hand thread

- J** High efficiency at all speeds
- W(300)** Extremely strong and wear-resistant
- J350** For temperatures up to +150°C
- R** The cost-effective option for high volume
- A180** FDA-compliant for the food and pharmaceutical industries

Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	b1 ¹⁵⁶⁾	SW	Weight [g]					Part No.
				igidur®					
				J	W300	J350	R	A180	
10	22	20	17	4.7	3.9	4.5	4.4	4.6	□S□M-172220TR10X2
12	26	24	19	10.9	9.1	10.5	10.2	10.7	□S□M-192624TR12X3
16	36	24	27	22.0	18.3	21.3	20.5	21.6	□S□M-273624TR16X4
20	45	40	30	57.3	47.7	55.4	53.5	56.2	□S□M-304540TR20X4
24	50	48	36	75.7	63.0	73.2	70.6	74.2	□S□M-365048TR24X5
30	60	60	45	126.4	105.2	123.8	122.1	117.9	□S□M-456060TR30X6

¹⁵⁶⁾ Tolerances according to DIN ISO 2768-1, tolerance class m (medium)



Technical data

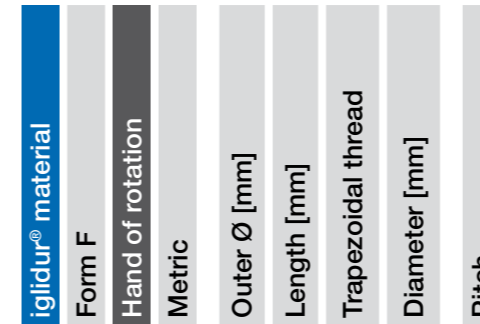
Thread	Hand of rotation		Effective supporting surface [mm²]	Max. stat. axial F [N] iglidur®					
	right	left		J	W300	J350	R	A180	J200
Tr8x1.5	●	●	228	911	1,139	683	456	797	-
Tr10x2	●	●	353	1,414	1,767	1,060	707	1,237	-
Tr10x3	●	●	334	1,335	1,669	1,001	668	1,168	-
Tr12x3	●	●	577	2,309	2,886	1,732	1,155	2,020	-
Tr14x3	●	●	687	2,749	3,436	2,062	1,374	2,405	-
Tr14x4	●	●	660	2,639	3,299	1,979	1,319	2,309	-
Tr16x2	●	●	825	3,299	4,123	2,474	1,649	2,886	1,650
Tr16x4	●	●	770	3,079	3,848	2,309	1,539	2,694	1,540
Tr18x4	●	●	880	3,519	4,398	2,639	1,759	3,079	1,760
Tr20x4	●	●	1,244	4,976	6,220	3,732	2,488	4,354	2,488
Tr24x5	●	●	1,486	5,944	7,430	4,458	2,972	5,201	2,972
Tr26x5	●	●	1,698	6,320 ⁴³⁾	6,320 ⁴³⁾	6,320 ⁴³⁾	6,320 ⁴³⁾	6,320 ⁴³⁾	-
Tr28x5	●	●	1,843	4,560 ⁴³⁾	4,560 ⁴³⁾	4,560 ⁴³⁾	4,560 ⁴³⁾	4,560 ⁴³⁾	-
Tr30x6	●	●	1,951	3,576 ⁴³⁾	3,576 ⁴³⁾	3,576 ⁴³⁾	3,576 ⁴³⁾	3,576 ⁴³⁾	-
Tr30x6	●	●	1,951	7,804	9,755	-	-	6,828	-
Tr32x6	●	●	2,095	8,382	10,477	-	-	-	-
Tr36x6	●	●	3,629	14,514	-	-	-	-	-
Tr40x7	●	●	4,013	16,054	-	-	-	-	-

⁴³⁾ Reduced load due to nut geometry

Order key

Type d2 b1 Thread

F R M-22 20 TR 10X2



Options:
Hand of rotation
R: Right-hand thread
L: Left-hand thread

J	High efficiency at all speeds
W(300)	Extremely strong and wear-resistant
J350	For temperatures up to +150°C
R	The cost-effective option for high volume
A180	FDA-compliant for the food and pharmaceutical industries
J200	The specialist on hard anodised aluminium

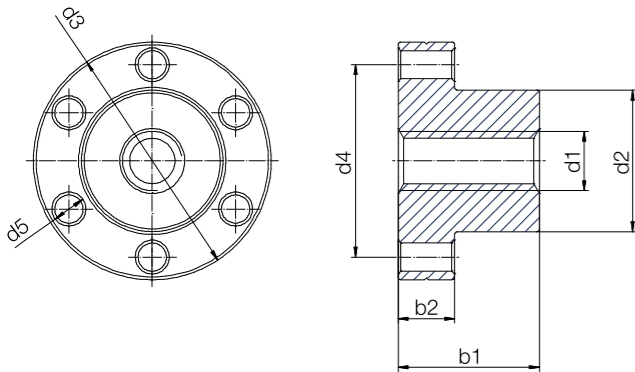
Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	d3	d4	d5	b1 ¹⁵⁶⁾	b2	Weight [g] iglidur®						Part No.
							J	W300	J350	R	A180	J200	
8	20	36	28	4	20	8	16.3	13.5	15.7	15.2	15.9	-	□F□M-2020TR8X1.5
10	25	42	34	5	25	10	28.7	23.9	27.7	26.8	28.1	-	□F□M-2525TR10X2
10	25	42	34	5	25	10	28.7	23.9	27.7	26.8	28.1	-	□F□M-2525TR10X3
12	28	48	38	6	35	12	47.6	39.6	46.0	44.4	46.6	-	□F□M-2835TR12X3
14	28	48	38	6	35	12	45.4	37.8	43.9	42.4	44.5	-	□F□M-2835TR14X3
14	28	48	38	6	35	12	45.4	37.8	43.9	42.4	44.5	-	□F□M-2835TR14X4
16	28	48	38	6	35	12	43.0	35.8	41.5	40.1	42.1	50	□F□M-2835TR16X2
16	28	48	38	6	35	12	43.0	35.8	41.5	40.1	42.1	50	□F□M-2835TR16X4
18	28	48	38	6	35	12	40.2	33.4	38.8	37.5	39.4	48	□F□M-2835TR18X4
20	32	55	45	7	44	12	60.2	50.1	58.2	56.2	59.0	73	□F□M-3244TR20X4
24	32	55	45	7	44	12	51.2	42.6	49.5	47.7	50.1	66	□F□M-3244TR24X5
26	38	62	50	7	46	14	80.7	67.1	78.0	75.2	79.0	-	□F□M-3846TR26X5
28	38	62	50	7	46	14	74.8	62.3	72.3	69.8	73.3	-	□F□M-3846TR28X5
30	38	62	50	7	46	14	68.6	57.1	66.3	64.0	67.2	-	□F□M-3846TR30X6
30	45	70	58	7	46	16	114.4	95.2	-	-	112.1	-	□F□M-4546TR30X6
32	45	70	58	7	46	16	72.6	60.4	-	-	-	-	□F□M-4546TR32X6
36	67	95	81	7	70	25	394.3	-	-	-	-	-	□F□M-6770TR36X6
40	67	95	81	7	70	25	369.4	-	-	-	-	-	□F□M-6770TR40X7

¹⁵⁶⁾ Tolerances according to DIN ISO 2768-1, tolerance class m (medium)



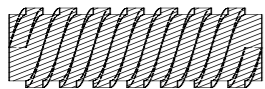
iglidur® J iglidur® W300 iglidur® J350 iglidur® R iglidur® A180 iglidur® J200



Technical data

Thread	Hand of rotation		Effective supporting surface [mm²]	Max. stat. axial F [N] iglidur®					
	right	left		J	W300	J350	R	A180	J200
Tr06x2P1	●	–	130	441	551	1,124	936	386	–
Tr10x4P2	●	–	353	1,202	1,502	1,051	3,064	2,552	–
Tr12x6P3	●	●	577	1,963	2,453	5,005	4,171	1,717	–
Tr16x8P4	●	●	770	2,617	3,271	6,673	5,561	2,290	1,540
Tr18x8P4	●	–	880	2,991	3,738	7,627	6,355	2,617	1,760
Tr20x8P4	●	–	1,244	4,230	5,287	10,786	8,988	3,701	2,488

i Definition: Multi start trapezoidal lead screw
Example 8P4 pitch



P4 pitch: Distance to the next thread pitch 4mm
Pitch 8: Pitch 8mm

Order key

Type d2 b1 Thread

F R M-28 35 TR 12X6P3

iglidur® material	Form F	Hand of rotation	Metric	Outer Ø [mm]	Length [mm]	Thread type	Diameter [mm]	Pitch
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Options:
Hand of rotation
R: Right-hand thread
L: Left-hand thread

- J** High efficiency at all speeds
- W(300)** Extremely strong and wear-resistant
- J350** For temperatures up to +150°C
- R** The cost-effective option for high volume
- A180** FDA-compliant for the food and pharmaceutical industries
- J200** The specialist on hard anodised aluminium

Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	d3	d4	d5	b1 ¹⁵⁶⁾	b2	Weight [g] iglidur®						Part No.
							J	W300	J350	R	A180	J200	
6	13	25	19	3.2	15	5	5.0	4.2	4.8	4.7	4.9	–	<input type="checkbox"/> FRM-1315TR06X2P1
10	25	42	34	5	25	10	25.6	21.3	25.1	24.8	23.9	–	<input type="checkbox"/> FRM-2525TR10X4P2
12	28	48	38	6	35	12	47.6	39.6	46.0	44.4	46.6	–	<input type="checkbox"/> FRM-2835TR12X6P3
16	28	48	38	6	35	12	43.0	35.8	41.5	40.1	42.1	50	<input type="checkbox"/> FRM-2835TR16X8P4
18	28	48	38	6	35	12	40.2	33.4	38.8	37.5	39.4	48	<input type="checkbox"/> FRM-2835TR18X8P4
20	32	55	45	7	44	12	60.2	50.1	58.2	56.2	59.0	73	<input type="checkbox"/> FRM-3244TR20X8P4

¹⁵⁶⁾ Tolerances according to DIN ISO 2768-1, tolerance class m (medium)



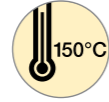
igidur® J



igidur® W300



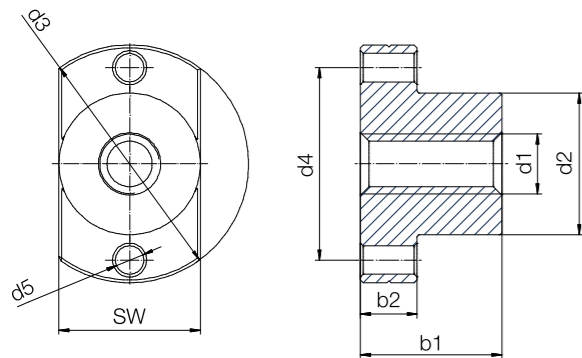
igidur® J350



igidur® R



igidur® A180



Technical data

Thread	Hand of rotation		Effective support surface [mm²]	Max. stat. axial F [N]				
	right	left		igidur®				
single start				J	W300	J350	R	A180
Tr8x1.5	●	●	228	911	1,139	683	456	797
Tr10x2	●	●	353	1,414	1,767	1,060	707	1,237
Tr12x3	●	●	577	2,309	2,886	1,732	1,155	2,020
Tr14x4	●	●	660	2,639	3,299	1,979	1,319	2,309
Tr16x4	●	●	770	3,079	3,848	2,309	1,539	2,694
Tr18x4	●	●	880	3,519	4,398	2,639	1,759	3,079
Multi start								
Tr06x2P1	●	–	118	175 ⁴³⁾	175 ⁴³⁾	175 ⁴³⁾	175 ⁴³⁾	175 ⁴³⁾
Metric								
M5	●	–	56	75 ⁴³⁾	75 ⁴³⁾	75 ⁴³⁾	75 ⁴³⁾	75 ⁴³⁾
M8	●	–	278	911	1,139	683	456	797
M10	●	–	437	1,414	1,767	1,040	1,155	1,237

⁴³⁾ Reduced load due to nut geometry

Order key

Type	SW	d2	b1	Thread
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□ F R M-131313TR6X2P1

igidur® material	Form F	Hand of rotation	Metric	Width across flats	Outer Ø [mm]	Length [mm]	Trapezoidal thread	Diameter [mm]	Pitch
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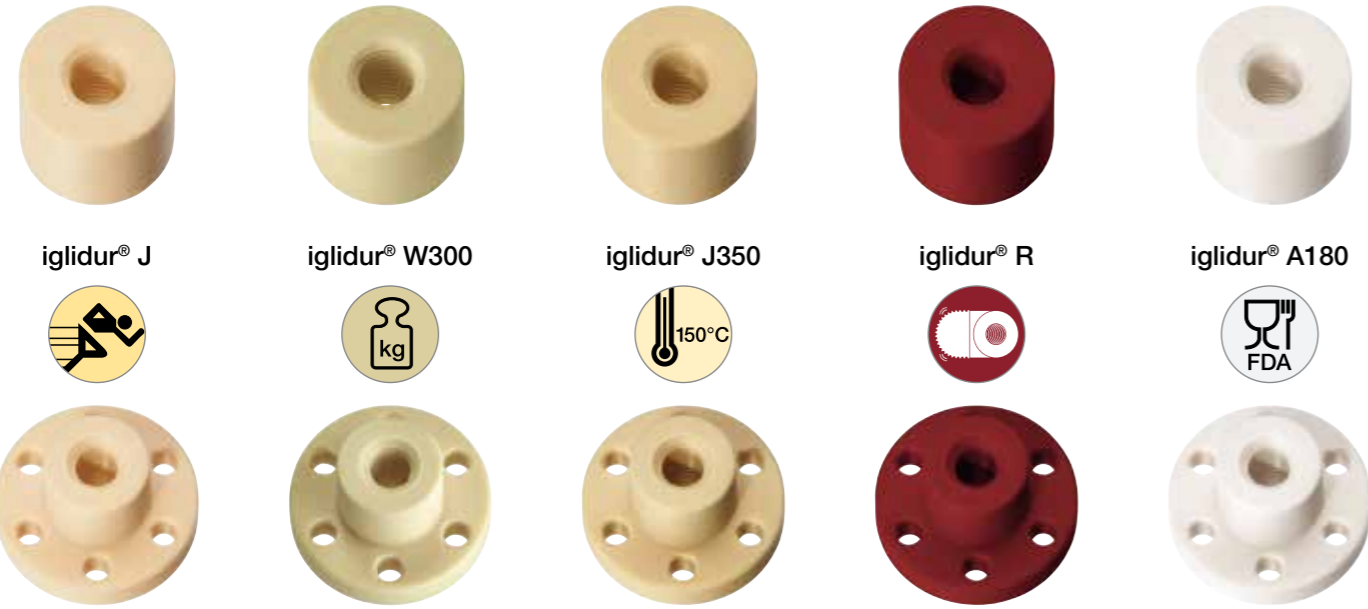
Options:
Hand of rotation
R: Right-hand thread
L: Left-hand thread

- J** High efficiency at all speeds
- W(300)** Extremely strong and wear-resistant
- J350** For temperatures up to +150°C
- R** The cost-effective option for high volume
- A180** FDA-compliant for the food and pharmaceutical industries

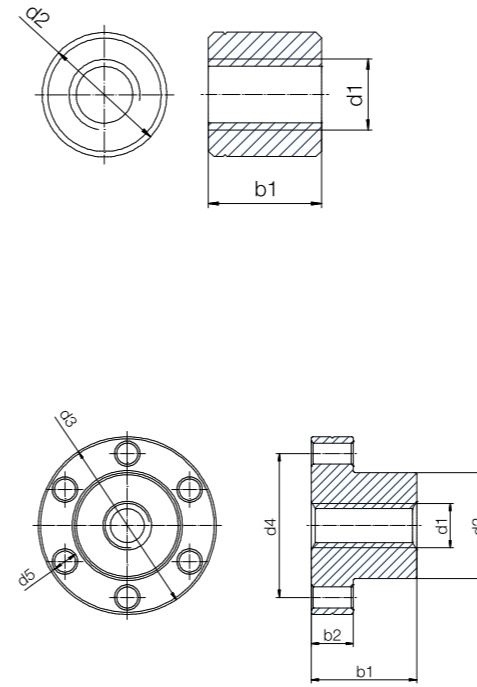
Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	d3	d4	d5	b1 ¹⁵⁶⁾	b2	SW	Weight [g]					Part No.
								igidur®					
								J	W300	J350	R	A180	
8	20	36	28	4	20	8	20	12.7	10.6	–	–	12.4	□F□M-202020TR8X1.5
10	25	42	34	5	25	10	25	23.7	19.7	12.28	22.10	23.2	□F□M-252525TR10X2
12	28	48	38	6	35	12	28	39.2	32.7	37.92	36.60	38.4	□F□M-282835TR12X3
14	28	48	38	6	35	12	28	37.1	30.9	35.86	34.61	36.4	□F□M-282835TR14X4
16	28	48	38	6	35	12	28	34.6	28.8	33.48	32.32	33.9	□F□M-282835TR16X4
18	28	48	38	6	35	12	28	31.9	26.5	30.79	29.72	31.2	□F□M-282835TR18X4
6	13	25	19	3.2	15	5	13	3.8	3.1	3.5	–	3.7	□FRM-131315TR06X2P1
5	9	18	15.2	3.2	13	3	9	1.3	1.1	1.2	–	1.3	□FRM-090913M5
8	20	36	28	4	20	8	20	12.7	10.57	12.28	11.85	12.45	□FRM-202020M8
10	25	42	34	5	25	10	25	23.7	19.70	22.90	22.10	23.20	□FRM-252525M10

¹⁵⁶⁾ Tolerances according to DIN ISO 2768-1, tolerance class m (medium)



i Also available as flanged nut and spanner flats ▶ Page 1312



Order key

Type	d2	b1	Thread
<input type="checkbox"/> S	R	M-14	13M3

Options:
Form S: Cylindrical
Form F: With flange

Material	Form	Hand of rotation	Metric	Outer Ø [mm]	Length [mm]	Diameter
igidur®	S					
J		High efficiency at all speeds				
W(300)		Extremely strong and wear-resistant				
J350		For temperatures up to +150°C				
R		The cost-effective option for high volume				
A180		FDA-compliant for the food and pharmaceutical industries				

Technical data

Thread	Effective supporting surface [mm²]	Max. stat. axial F [N]				
		igidur®				
		J	W300	J350	R	A180
Cylindrical (form S)						
M3	56	225	281	168	112	197
M4	75	298	373	224	149	261
M5	94	376	470	282	188	329
M6	112	449	562	337	225	393
M8	151	602	753	452	301	527
M10	189	756	944	567	378	661
With flange (form F)						
M3	56	225	281	168	112	197
M4	75	298	373	224	149	261
M5	94	376	470	282	188	329
M6	130	518	648	389	259	454
M8	228	911	1,139	683	456	797
M10	253	1,414	1,767	1,060	707	1,237

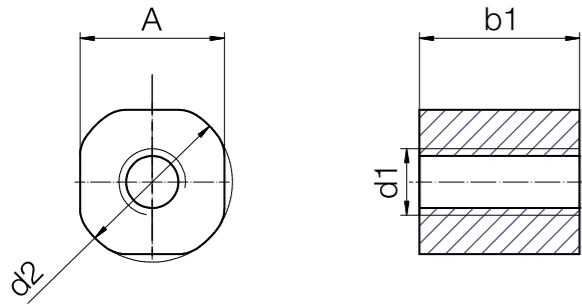
Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	b1 ¹⁵⁶⁾	Weight [g]					Part No.				
			igidur®									
			J	W300	J350	R	A180					
3	14	13	2.8	2.4	2.7	2.7	2.8	<input type="checkbox"/> SRM-1413M3				
4	14	13	2.7	2.3	2.6	2.6	2.7	<input type="checkbox"/> SRM-1413M4				
5	14	13	2.6	2.2	2.5	2.4	2.5	<input type="checkbox"/> SRM-1413M5				
6	14	13	2.4	2.0	2.4	2.3	2.4	<input type="checkbox"/> SRM-1413M6				
8	20	18	7.08	5.89	6.69	6.60	6.94	<input type="checkbox"/> SRM-2018M8				
10	22	20	8.99	7.48	8.69	8.38	8.81	<input type="checkbox"/> SRM-2220M10				
d1	d2	d3	d4	d5	b1	b2						
3	9	18	15.2	3.2	13	3	1.9	1.6	1.9	1.8	1.9	<input type="checkbox"/> FRM-0913M3
4	9	18	15.2	3.2	13	3	1.8	1.5	1.8	1.7	1.8	<input type="checkbox"/> FRM-0913M4
5	9	18	15.2	3.2	13	3	1.7	1.4	1.6	1.6	1.7	<input type="checkbox"/> FRM-0913M5
6	13	25	19	3.2	15	5	4.7	3.9	4.5	4.4	4.6	<input type="checkbox"/> FRM-1315M6
8	20	36	28	4	20	8	16.25	13.53	15.93	15.71	15.17	<input type="checkbox"/> FRM-2020M8
10	25	42	34	5	25	10	28.69	23.88	28.11	27.73	26.76	<input type="checkbox"/> FRM-2525M10

¹⁵⁶⁾ Tolerances according to DIN ISO 2768-1, tolerance class m (medium)



Image exemplary



Technical data

Thread	Hand of rotation		Effective supporting surface [mm²]	Max. static axial F [N]
	right	left		
Single start				
Tr8x1.5	●	●	228	500 ⁴³⁾
Tr8x1.5	●	–	228	114.0
Tr10x2	●	●	283	1,131
Tr10x2	●	–	238	119.0
Tr10x3	●	●	267	1,068
Tr10x3	●	–	267	134.0
Tr12x3	●	●	412	1,649
Tr12x3	●	–	412	206.0
Tr14x3	●	●	491	1,963
Tr14x3	●	–	491	245.5
Tr14x4	●	●	471	1,885
Tr14x4	●	–	471	235.5
Tr16x2	●	●	589	2,356
Tr16x4	●	–	550	2,199
Tr18x4	●	●	628	2,362
multi start				
Tr10x4P2	●	–	325	1,106
Tr12x6P3	●	–	396	1,346
Tr16x8P4	●	–	528	1,794
Tr18x8P4	●	–	804	2,734

⁴³⁾ Reduced load due to nut geometry

Order key

Type	d2	b1	Thread
J S □ M - C - 01 - TR 10X12			
iglidur® material	Form S	Hand of rotation	Metric
		Thread: cut	Type
		Thread type	Diameter [mm]
		Pitch	

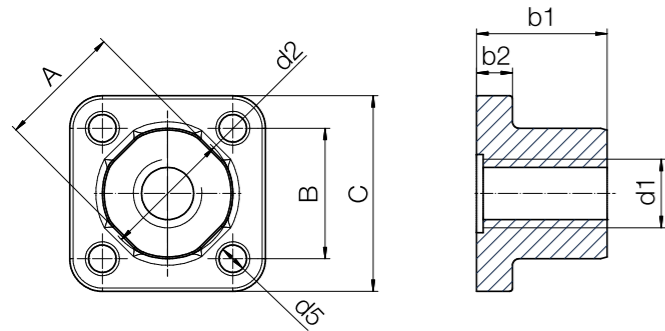
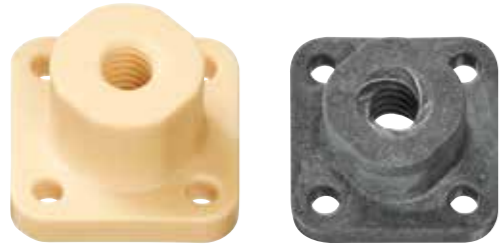
Options:
Hand of rotation
R: Right-hand thread
L: Left-hand thread

J High efficiency at all speeds
E7 For high speeds

Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	A	b1 ¹⁵⁶⁾	Weight [g]	Part No.
8	20	19	20	7.86	JS□M-C-01-TR8X1.5
8	20	18	20	5.00	E7SRM-C-01-TR8X1.5 New
10	20	19	20	7.02	JS□M-C-01-TR10X2
10	20	18	20	5.00	E7SRM-C-01-TR10X2 New
10	20	19	20	7.02	JS□M-C-01-TR10X3
10	20	18	20	5.00	E7SRM-C-01-TR10X3 New
12	24	22.6	25	12.64	JS□M-C-01-TR12X3
12	24	22.6	25	9.80	E7SRM-C-01-TR12X3 New
14	24	22.6	25	11.12	JS□M-C-01-TR14X3
14	24	22.6	25	9.80	E7SRM-C-01-TR14X3 New
14	24	22.6	25	11.12	JS□M-C-01-TR14X4
14	24	22.6	25	9.80	E7SRM-C-01-TR14X4 New
16	28	26.2	25	15.45	JS□M-C-01-TR16X2
16	28	26.2	25	15.45	JS□M-C-01-TR16X4
18	28	26.2	25	13.46	JS□M-C-01-TR18X4
10	20	19	20	7.02	JSRM-C-01-TR10X4P2
12	24	22.6	25	12.64	JSRM-C-01-TR12X6P3
16	28	26.2	25	15.45	JSRM-C-01-TR16X8P4
18	28	26.2	25	13.46	JSRM-C-01-TR18X8P4

¹⁵⁶⁾ Tolerances according to DIN ISO 2768-1, tolerance class m (medium)



Technical data

Thread	Hand of rotation		Effective supporting surface [mm²]	Max. stat. axial F [N] iglidur®	
	right	left		J	E7
Single start					
Tr8x1.5	●	●	228	911	114
Tr10x2	●	●	283	1,131	142
Tr10x3	●	●	267	1,068	134
Tr12x3	●	●	412	1,649	-
Tr14x3	●	●	491	1,963	-
Tr14x4	●	●	471	1,885	-
Tr16x2	●	●	589	2,356	-
Tr16x4	●	●	550	2,199	-
Tr18x4	●	●	628	2,513	-
multi start					
Tr10x4P2	●	-	353	1,202	134
Tr12x6P3	●	-	577	1,963	-
Tr16x8P4	●	-	770	2,617	-
Tr18x8P4	●	-	880	2,991	-

Order key

Type d2 b1 Thread

J F □ M - C - 01 - TR 10X12

Options:
Hand of rotation
R: Right-hand thread
L: Left-hand thread

iglidur® material

Form F

Hand of rotation

Metric

Thread: cut

Type

Thread type

Diameter [mm]

Pitch

J High efficiency at all speeds

E7 For high speeds

Dimensions [mm]

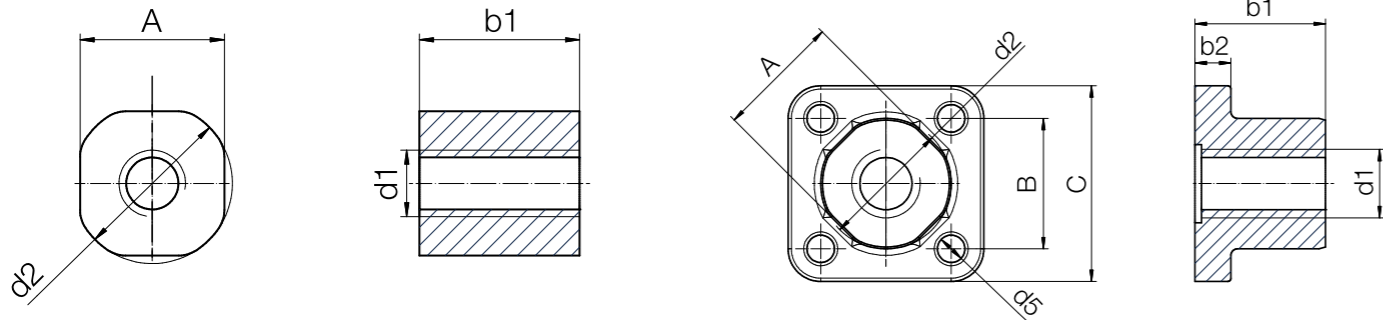
d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	A	B	C	d5	b1 ¹⁵⁶⁾	b2	Weight [g] iglidur®		Part No.
								J	E7	
8	20	19.0	20	30	4.2	20	5.5	7.4	1.9	□F□M-C-01-TR8X1.5
10	20	19.0	20	30	4.2	20	5.5	7.4	9.0	□F□M-C-01-TR10X2
10	20	19.0	20	30	4.2	20	5.5	7.4	9.0	□F□M-C-01-TR10X3
12	24	22.6	24	34	5	25	6	10.3	-	JF□M-C-01-TR12X3
14	24	22.6	24	34	5	25	6	10.3	-	JF□M-C-01-TR14X3
14	24	22.6	24	34	5	25	6	10.3	-	JF□M-C-01-TR14X4
16	28	25.5	27	38	6	25	6.5	14.0	-	JF□M-C-01-TR16X2
16	28	25.5	27	38	6	25	6.5	14.0	-	JF□M-C-01-TR16X4
18	28	25.5	27	38	6	25	6.5	14.0	-	JF□M-C-01-TR18X4
10	20	19.0	20	30	4.2	20	5.5	10.9	9.0	□FRM-C-01-TR10X4P2
12	24	22.6	24	34	5	25	6	19.9	-	JFRM-C-01-TR12X6P3
16	28	25.5	27	38	6	25	6.5	25.4	-	JFRM-C-01-TR16X8P4
18	28	25.5	27	38	6	25	6.5	23.9	-	JFRM-C-01-TR18X8P4

¹⁵⁶⁾ Tolerances according to DIN ISO 2768-1, tolerance class m (medium)

Cylindrical (form S)



With flange (form F)



Technical data

Thread	Effective supporting surface [mm ²]	Max. static axial F [N]
Cylindrical (form S)		
M5	94	376
M6	112	449
M8	151	602
With flange (form F)		
M5	90	358
M6	104	415
M8	232	927

Order key

Type d2 b1 Thread

J S R M - C - 01 - M5

iglidur® material	Form S	Hand of rotation	Metric	Thread: cut	Type	Diameter
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Options:
Form S: Cylindrical
Form F: With flange

Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	A	b1 ¹⁵⁶⁾	Weight [g]	Part No.
5	12	11	12	1.67	JSRM-C-01-M5
6	12	11	12	1.52	JSRM-C-01-M6
8	20	19	20	7.86	JSRM-C-01-M8

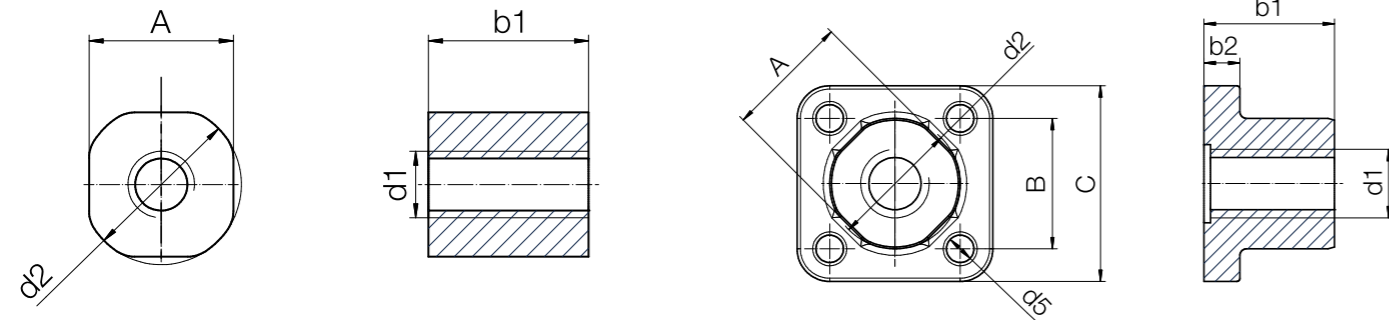
d1	d2	A	B	C	d5	b1	b2	[g]	Part No.
5	12	11	12	18	3.2	12	4	3.05	JFRM-C-01-M5
6	12	11	12	18	3.2	12	4	2.94	JFRM-C-01-M6
8	20	19	20	30	4.2	20	5.5	13.08	JFRM-C-01-M8

¹⁵⁶⁾ Tolerances according to DIN ISO 2768-1, tolerance class m (medium)

Cylindrical (form S)



With flange (form F)



Technical data

Thread	Effective supporting surface [mm²]	Max. static axial F [N]
Cylindrical (form S)		
Tr8x1.5	228	500 ⁴³⁾
Tr10x2	283	1,131
Tr16x4	550	2,199
With flange (form F)		
Tr8x1.5	118	471
Tr10x2	228	911
Tr16x4	353	1,414

⁴³⁾ Reduced load due to nut geometry

Order key

Type d2 b1 Thread

J F R M-M-01-TR 10X12

iglidur® material	Form F	Hand of rotation	Metric	Thread: injectionmoulding	Type	Thread type	Diameter [mm]	Pitch
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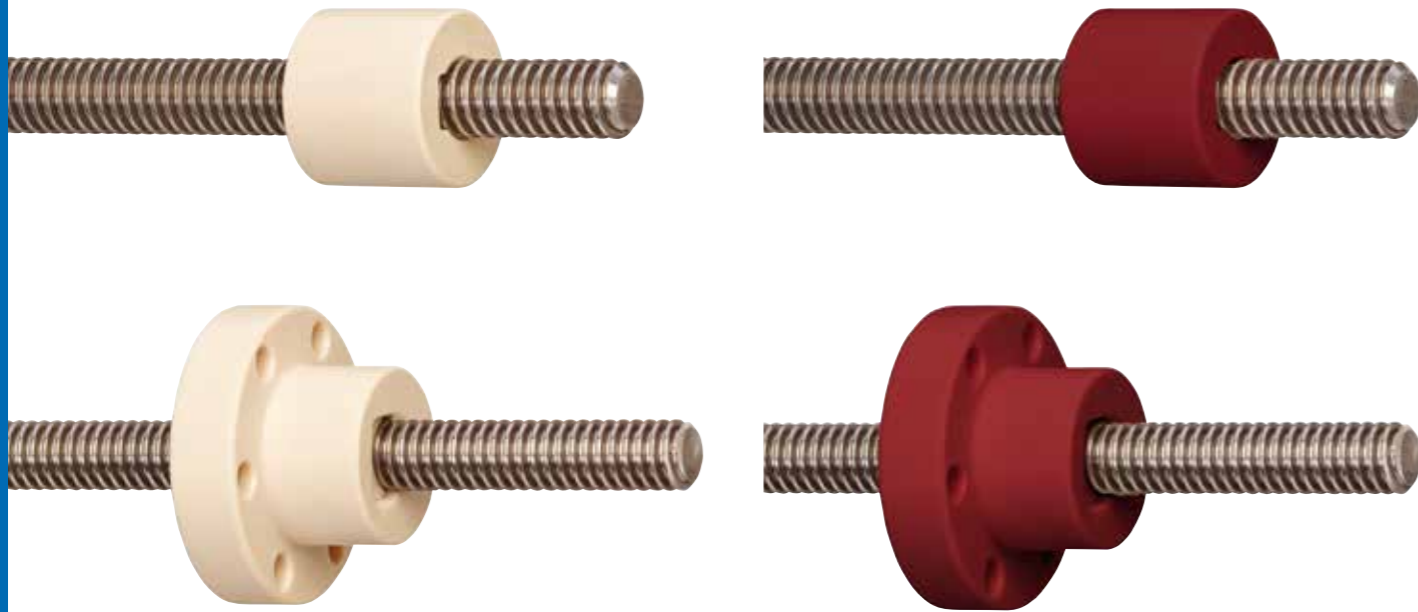
Options:
Form S: Cylindrical
Form F: With flange

Dimensions [mm]

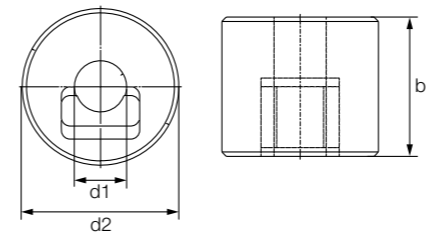
d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	A	b1 ¹⁵⁶⁾	Weight [g]	Part No.
8	20	19	20	7.86	JSRM-M-01-TR8X1.5
10	20	19	20	7.02	JSRM-M-01-TR10X2
16	28	26.16	25	15.45	JSRM-M-01-TR16X4

d1	d2	A	B	C	d5	b1	b2	[g]	Part No.
8	20	19	20	30	4.2	20	5.5	7.38	JFRM-M-01-TR8X1.5
10	20	19	20	30	4.2	20	5.5	7.38	JFRM-M-01-TR10X2
16	28	25.5	27	38	6	25	6.5	13.99	JFRM-M-01-TR16X4

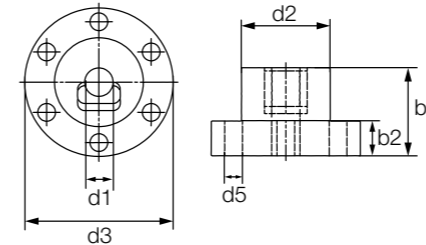
¹⁵⁶⁾ Tolerances according to DIN ISO 2768-1, tolerance class m (medium)



Backlash is the phenomenon created on the lead screw drive by the axial clearance. By adding a radial pre-load, vibrations are significantly reduced.



Cylindrical (form S)



With flange (form F)

Order key

Type	d2	b1	Thread
<input checked="" type="checkbox"/> S	R	M-AB-25	25 TR 10X2

iglidur® material	Form S	Hand of rotation	Metric	Anti-backlash	Outer Ø [mm]	Length [mm]	Trapezoidal thread	Diameter [mm]	Pitch
J		High efficiency at all speeds							
R		The cost-effective option for high volume							

Options:
Form S: Cylindrical
Form F: With flange

Technical data – cylindrical design

Thread	Hand of rotation		Effective supporting surface [mm²]	Max. stat. axial F [N] iglidur®	
	right	left		J	R
Cylindrical – form S					
Tr8x1.5	●	–	228	683	342
Tr10x2	●	–	283	848	424
Tr12x3	●	–	396	1,188	594
Tr16x4	●	–	704	2,111	1,056
Tr18x4	●	–	905	2,714	1,357
Tr20x4	●	–	1,131	3,393	1,696
Tr24x5	●	–	1,621	4,863	2,432

Technical data – with flange

Thread	Hand of rotation		Effective supporting surface [mm²]	Max. stat. axial F [N] iglidur®	
	right	left		J	R
With flange – form F					
Tr10x2	●	–	353	1,060	530
Tr10x3	●	–	334	1,001	501
Tr12x3	●	–	396	1,188	594
Tr14x4	●	–	471	1,414	707
Tr16x2	●	–	613	1,838	919
Tr16x4	●	–	704	2,111	1,056
Tr18x4	●	–	905	2,714	1,357
Tr20x4	●	–	1,131	3,393	1,696
Tr24x5	●	–	1,621	4,863	2,432

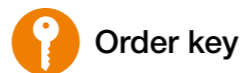
Dimensions [mm] – cylindrical design

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	b1 ¹⁵⁶⁾	Weight [g] iglidur®		Part No.
			J	R	
8	22	20	9.8	9.2	<input type="checkbox"/> SRM-AB-2220-TR8X1.5
10	22	20	9.0	8.4	<input type="checkbox"/> SRM-AB-2220-TR10X2
12	26	24	14.9	13.9	<input type="checkbox"/> SRM-AB-2624-TR12X3
16	36	32	38.9	36.3	<input type="checkbox"/> SRM-AB-3632-TR16X4
18	40	36	53.8	50.1	<input type="checkbox"/> SRM-AB-4036-TR18X4
20	45	40	76.1	71.0	<input type="checkbox"/> SRM-AB-4540-TR20X4
24	50	48	108.1	100.8	<input type="checkbox"/> SRM-AB-5048-TR24X5

Dimensions [mm] – with flange

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	d3	d4	d5	b1 ¹⁵⁶⁾	b2	Weight [g] iglidur®		Part No.
							J	R	
10	25	42	34	5	25	10	28.7	26.8	<input type="checkbox"/> FRM-AB-2525-TR10X2
10	25	42	34	5	25	10	28.7	26.8	<input type="checkbox"/> FRM-AB-2525-TR10X3
12	28	48	35	5	35	12	30.3	28.3	<input type="checkbox"/> FRM-AB-2835-TR12X3
14	28	48	38	6	35	12	45.4	42.4	<input type="checkbox"/> FRM-AB-2835-TR14X4
16	28	48	38	6	35	12	43.0	40.1	<input type="checkbox"/> FRM-AB-2835-TR16X2
16	28	48	38	6	35	12	43.0	40.1	<input type="checkbox"/> FRM-AB-2835-TR16X4
18	28	48	38	6	35	12	40.2	37.5	<input type="checkbox"/> FRM-AB-2835-TR18X4
20	32	55	45	7	44	12	60.2	56.2	<input type="checkbox"/> FRM-AB-3244-TR20X4
24	32	55	45	7	44	12	51.2	47.7	<input type="checkbox"/> FRM-AB-3244-TR24X5

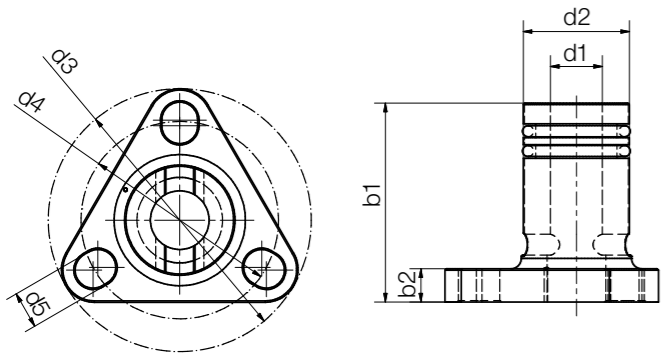
¹⁵⁶⁾ Tolerances according to DIN ISO 2768-1, tolerance class m (medium)



Type Thread

J F R M-LC-0001-TR 10X2

iglidur® material	Form F	Hand of rotation	Metric	Low Clearance	Type	Trapezoidal thread	Diameter [mm]	Pitch
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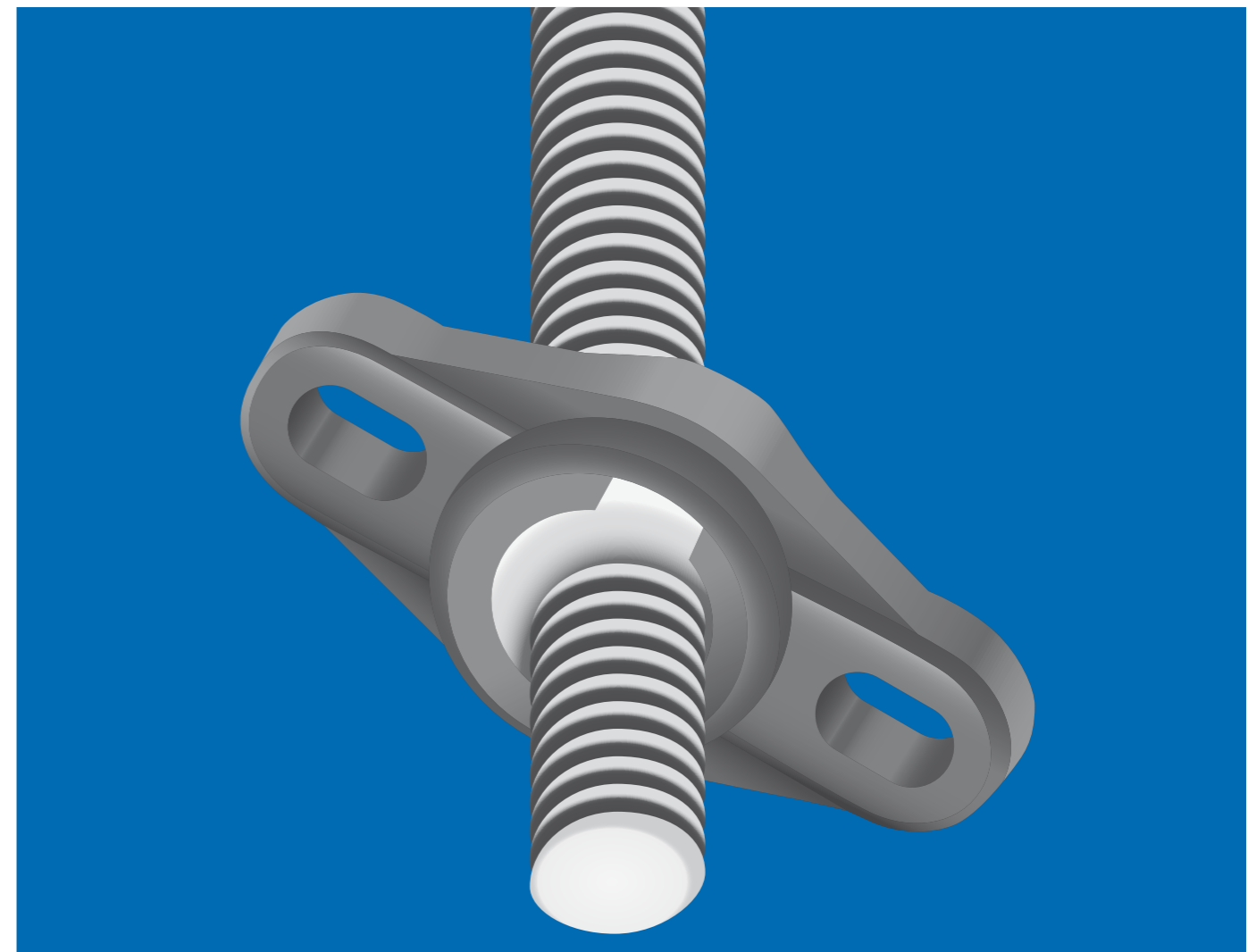
Technical data

Thread	Max. stat. axial F [N]	Max. idling torque (with O-ring) [Nm]	Weight [g]	Part No.
Single start				
Tr8x1.5	75	0.01–0.03	6.8	JFRM-LC-0001-TR8X1.5
Tr10x2	75	0.01–0.03	6.8	JFRM-LC-0001-TR10X2
Tr10x3	75	0.01–0.03	6.8	JFRM-LC-0001-TR10X3
Tr12x3	125	0.06	18.0	JFRM-LC-0001-TR12X3
Tr14x3	125	0.08	18.0	JFRM-LC-0001-TR14X3
Tr14x4	125	0.08	18.0	JFRM-LC-0001-TR14X4
Multi start				
Tr06x2P1	40	0.01–0.03	3.9	JFRM-LC-0001-TR06X2P1
Tr12x6P3	125	0.06	18.0	JFRM-LC-0001-TR12X6P3

Dimensions [mm]

Thread	d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	d3	d4	d5	b1 ¹⁵⁶⁾	b2	Part No.
Single start								
Tr8x1.5	8	16.0	38.1	28.3	5.2	28.3	4.8	JFRM-LC-0001-TR8X1.5
Tr10x2	10	16.0	38.1	28.3	5.2	28.3	4.8	JFRM-LC-0001-TR10X2
Tr10x3	10	16.0	38.1	28.3	5.2	28.3	4.8	JFRM-LC-0001-TR10X3
Tr12x3	12	20	41.2	31.8	4.8	44.0	7.0	JFRM-LC-0001-TR12X3
Tr14x3	14	20	41.2	31.8	4.8	44.0	7.0	JFRM-LC-0001-TR14X3
Tr14x4	14	20	41.2	31.8	4.8	44.0	7.0	JFRM-LC-0001-TR14X4
Multi start								
Tr06x2P1	6	10.0	28.5	22.2	3.7	25.0	4.1	JFRM-LC-0001-TR06X2P1
Tr12x6P3	12	20	41.2	31.8	4.8	44.0	7.0	JFRM-LC-0001-TR12X6P3

¹⁵⁶⁾ Tolerances according to DIN ISO 2768-1, tolerance class m (medium)



drylin® lead screw technology – Special designs

Angular compensation with spherical balls

With "Fast Forward" quick release mechanism

Split lead screw nuts

Accessories for lead screw nuts and lead screws

Lubrication and maintenance-free

