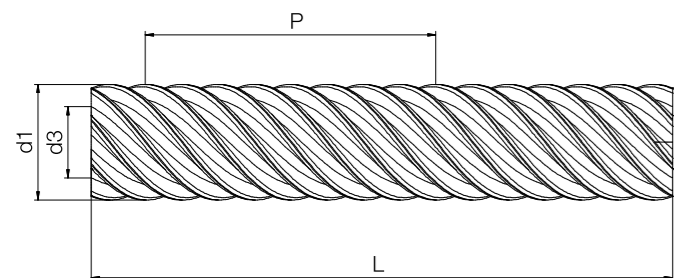




Stainless steel, rolled, AISI 304



Aluminium, rolled (EN AW 6082)



Technical data

Helix deviation	0.1mm to 300mm
Straightness (standard)	0.3mm to 300mm
Aligned	<0.1mm to 300mm

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

Technical data

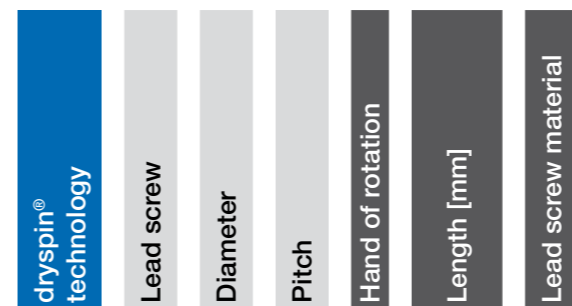
Thread	Hand of rotation		Material		Pitch P [mm]	Number of thread pitches	Pitch angle α [°]	Weight	
	right	left	Stainless steel	Aluminium				Stainless steel	Aluminium
			AISI 304	EN AW 6082				[kg/m]	[kg/m]
Ds4x2.4	●	–	●	–	2.4	2	10.81	0.10	–
Ds5x5	●	–	●	–	5.0	2	17.70	0.20	–
Ds6.35x2.54	●	●	●	–	2.54	2	7.26	0.25	–
Ds6.35x5.08	●	–	●	–	5.08	4	14.29	0.25	–
Ds6.35x12.7	●	–	●	–	12.7	4	32.48	0.25	–
Ds6.35x25.4	●	–	●	–	25.4	8	51.85	0.25	–
Ds8x10	●	●	●	●	10.0	4	21.70	0.40	0.14
Ds8x15	●	●	●	●	15.0	6	30.83	0.40	0.14
Ds8x24	●	–	●	–	24.0	8	43.70	0.40	–
Ds10x3	●	–	●	–	3.0	2	5.45	0.62	–
Ds10x12	●	●	●	●	12.0	4	21.54	0.62	0.21
Ds10x25	●	●	●	●	25.0	8	38.51	0.62	0.21
Ds10x50	●	●	●	●	50.0	10	57.86	0.62	0.21
Ds12x5	●	–	●	●	5.0	2	7.55	0.89	0.31
Ds12.7x12.7	●	–	●	–	12.7	4	17.65	0.90	–
Ds12x15	●	–	●	–	15.0	5	21.90	0.98	–
Ds12x25	●	–	●	●	25.0	8	33.55	0.89	0.31
Ds14x25	●	●	●	●	25.0	5	29.61	1.22	0.42
Ds14x30	●	–	●	●	30.0	6	34.30	1.22	0.42
Ds14x40.6	●	–	●	–	40.6	8	42.71	1.22	0.42
Ds16x35	●	–	●	●	35.0	7	34.85	1.59	0.54
Ds18x24	●	●	●	●	24.0	6	22.99	2.01	0.69

Available from stock
Upon request

Order key

Part number	Thread	Options
-------------	--------	---------

DST-LS-10X50-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
 - ES: Stainless steel, rolled
 - AL: Aluminium, rolled

Please contact us!

All drylin® leads screws can be custom machined. Please send us your drawing or configure online. 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.
		ES	AL	
–0.1	–0.1			
4.0 –0.05	3.0 –0.1	1,000	1,000	DST-LS-4X2.4-R-□-ES
5.0	3.30	1,000	–	DST-LS-5X5-R-□-ES New
6.35 –0.05	4.35 –0.05	1,000	1,000	DST-LS-6.35X2.54-□-ES
6.35 –0.05	4.85 –0.05	1,000	1,000	DST-LS-6.35X5.08-R-□-ES
6.35 –0.05	4.35 –0.05	1,000	1,000	DST-LS-6.35X12.7-R-□-ES
6.35 –0.05	4.15 –0.05	1,000	1,000	DST-LS-6.35X25.4-R-□-ES
8.0	5.63	1,000	1,000	DST-LS-8X10-□-ES
8.0	5.63	1,000	–	DST-LS-8X15-□-ES
8.0	5.55	1,000	–	DST-LS-8X24-R-□-ES New
10.0	7.85	3,000	–	DST-LS-10X3-R-□-ES New
10.0	6.95	3,000	1,000	DST-LS-10X12-□-ES
10.0	7.10	3,000	1,000	DST-LS-10X25-□-ES
10.0	7.35	3,000	1,000	DST-LS-10X50-□-ES
12.0	9.60	3,000	1,500	DST-LS-12X5-R-ES
12.7	9.60	3,000	–	DST-LS-12.7X12.7-R-□-ES New
12.0	9.00	3,000	–	DST-LS-12X15-R-□-ES New
12.0	8.95	3,000	1,500	DST-LS-12X25-R-□-ES
14.0	9.60	3,000	1,500	DST-LS-14X25-□-ES
14.0	9.60	3,000	1,500	DST-LS-14X30-R-□-ES
14.0	9.65	3,000	1,500	DST-LS-14X40.6-R-□-ES
16.0	11.60	3,000	1,500	DST-LS-16X35-R-□-ES
18.0	14.28	3,000	1,500	DST-LS-18X24-□-ES

Technical data

Thread	Hand of rotation		Material		Pitch P [mm]	Number of thread pitches	Pitch angle α [°]	Weight	
	right	left	Stainless steel	Aluminium				Stainless steel	Aluminium
			AISI 304	EN AW 6082				[kg/m]	[kg/m]
Ds18x40	●	●	●	●	40.0	8	35.55	2.01	0.69
Ds18x80	●	●	●	●	80.0	12	54.74	2.01	0.69
Ds18x100	●	●	●	●	100.0	12	60.51	2.01	0.69
Ds20x20	●	●	●	●	20.0	4	17.66	2.48	0.85
Ds20x50	●	–	●	●	50.0	8	38.51	2.48	0.85
Ds20x60	●	●	●	●	60.0	8	43.68	2.48	0.85
Ds20x80	●	●	●	●	80.0	12	55.07	2.48	0.85
Dx20x90	●	●	●	●	90.0	12	55.08	2.48	0.85

Dimensions [mm]

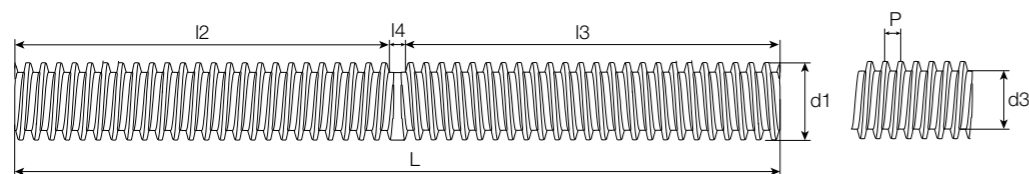
Outer Ø d1	Core Ø d3	Max. total length L		Part No.
		ES	AL	
–0.1	–0.1			
18.0	13.60	3,000	1,500	DST-LS-18X40-□-□-ES
18.0	14.00	3,000	1,500	DST-LS-18X80-□-□-ES
18.0	13.55	3,000	1,500	DST-LS-18X100-□-□-ES
20.0	15.60	3,000	1,500	DST-LS-20X20-□-□-ES
20.0	15.48	3,000	1,000	DST-LS-20X50-□-□-ES
20.0	15.55	3,000	1,500	DST-LS-20X60-□-□-ES
20.0	15.98	3,000	1,500	DST-LS-20X80-□-□-ES
20.0	15.55	3,000	1,500	DST-LS-20X90-□-□-ES



Available from stock
Upon request



Stainless steel, rolled, AISI 304



Technical data

Thread	Max. transferrable torque	Max. tensile strength	Material	Pitch P	Number of thread pitches	Pitch angle α
	[Nm]	[N]	Stainless steel AISI 304	[mm]		[°]
Ds10x12	2.0	450	●	12	4	21.54
Ds10x25	2.0	450	●	25	8	38.51
Ds10x50	2.0	450	●	50	10	57.86
Ds14x25	4.0	1,000	●	25	5	29.61
Ds18x24	7.5	1,600	●	24	6	22.99
Ds18x40	7.5	1,600	●	40	8	35.55
Ds18x80	7.5	1,600	●	80	12	54.74
Ds18x100	7.5	1,600	●	100	12	60.51

⁴⁶⁾ Non-usable thread transition

⁴⁷⁾ Length right-hand thread (I3)

⁴⁸⁾ Length left-hand thread (I2)

Order key

Part number	Thread	Options
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DST-LS-10X50-R/L-480-480-ES

dryspin® technology	Lead screw	Diameter	Pitch	Hand of rotation	⁴⁷⁾ Length right [mm]	⁴⁸⁾ Length left [mm]	Lead screw material
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Options:
⁴⁷⁾ I3: Length right-hand thread
⁴⁸⁾ I2: Length left-hand thread
 Length in mm: Freely selectable (see table)
 Lead screw material
 ES: Stainless steel, rolled

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Dimensions [mm]

Outer Ø d1	Core Ø d3	Thread transition	Max. thread length	Max. total length	Part No.	
-0.10	-0.10	I4 ⁴⁶⁾	I2 ⁴⁸⁾	I3 ⁴⁷⁾	L	
10	6.95	25	487	487	1,000	DST-LS-10X12-R/L-I2-I3-ES
10	7.10	25	487	487	1,000	DST-LS-10X25-R/L-I2-I3-ES
10	7.35	25	487	487	1,000	DST-LS-10X50-R/L-I2-I3-ES
14	9.60	25	987	987	2,000	DST-LS-14X25-R/L-I2-I3-ES
18	14.40	25	987	987	2,000	DST-LS-18X24-R/L-I2-I3-ES
18	13.60	25	987	987	2,000	DST-LS-18X40-R/L-I2-I3-ES
18	14.00	25	987	987	2,000	DST-LS-18X80-R/L-I2-I3-ES
18	13.55	25	987	987	2,000	DST-LS-18X100-R/L-I2-I3-ES

dryspin® technology | Lead screw nuts | Technical data



Highly efficient at all speeds:
iglidur® J

Thread	Efficiency	Coefficient of friction
	η	μ
Ds4x2.4	41–64	0.1–0.25
Ds5x5	52–74	0.1–0.25
Ds6.35x2.54	33–55	0.1–0.25
Ds6.35x5.08	47–70	0.1–0.25
Ds6.35x12.7	60–81	0.1–0.25
Ds6.35x25.4	57–81	0.1–0.25
Ds8x10	55–77	0.1–0.25
Ds8x15	60–81	0.1–0.25
Ds8x24	60–82	0.1–0.25
Ds10x3	27–48	0.1–0.25
Ds10x12	55–76	0.1–0.25
Ds10x25	61–82	0.1–0.25
Ds10x50	52–79	0.1–0.25
Ds12x5	34–56	0.1–0.25
Ds12.7x12.7	52–74	0.1–0.25
Ds12x15	55–77	0.1–0.25
Ds12x25	61–81	0.1–0.25
Ds14x25	60–80	0.1–0.25
Ds14x30	61–81	0.1–0.25
Ds14x40.6	61–82	0.1–0.25
Ds16x35	61–81	0.1–0.25
Ds18x24	56–77	0.1–0.25
Ds18x40	61–81	0.1–0.25
Ds18x80	55–80	0.1–0.25
Ds18x100	49–78	0.1–0.25
Ds20x20	52–74	0.1–0.25
Ds20x50	61–82	0.1–0.25
Ds20x60	60–82	0.1–0.25
Ds20x80	57–81	0.1–0.25
Ds20x90	55–80	0.1–0.25



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

Thread	Efficiency	Coefficient of friction
	η	μ
Ds4x2.4	41–51	0.17–0.25
Ds5x5	52–62	0.17–0.25
Ds6.35x2.54	33–42	0.17–0.25
Ds6.35x5.08	47–57	0.17–0.25
Ds6.35x12.7	60–70	0.17–0.25
Ds6.35x25.4	57–69	0.17–0.25
Ds8x10	55–65	0.17–0.25
Ds8x15	60–70	0.17–0.25
Ds8x24	60–71	0.17–0.25
Ds10x3	35–48	0.17–0.25
Ds10x12	55–65	0.17–0.25
Ds10x25	61–71	0.17–0.25
Ds10x50	52–66	0.17–0.25
Ds12x5	34–43	0.17–0.25
Ds12.7x12.7	62–71	0.17–0.25
Ds12x15	55–65	0.17–0.25
Ds12x25	61–71	0.17–0.25
Ds14x25	60–70	0.17–0.25
Ds14x30	61–71	0.17–0.25
Ds14x40.6	61–71	0.17–0.25
Ds16x35	61–71	0.17–0.25
Ds18x24	56–66	0.17–0.25
Ds18x40	61–71	0.17–0.25
Ds18x80	55–68	0.17–0.25
Ds18x100	49–64	0.17–0.25
Ds20x20	52–62	0.17–0.25
Ds20x50	61–71	0.17–0.25
Ds20x60	60–71	0.17–0.25
Ds20x80	57–69	0.17–0.25
Ds20x90	55–68	0.17–0.25



For medium to high speeds:
iglidur® R

Thread	Efficiency	Coefficient of friction
	η	μ
Ds4x2.4	37–47	0.2–0.3
Ds5x5	47–58	0.2–0.3
Ds6.35x2.54	29–38	0.2–0.3
Ds6.35x5.08	42–53	0.2–0.3
Ds6.35x12.7	55–66	0.2–0.3
Ds6.35x25.4	50–64	0.2–0.3
Ds8x10	50–61	0.2–0.3
Ds8x15	55–66	0.2–0.3
Ds8x24	54–67	0.2–0.3
Ds10x3	23–32	0.2–0.3
Ds10x12	50–61	0.2–0.3
Ds10x25	55–67	0.2–0.3
Ds10x50	44–61	0.2–0.3
Ds12x5	29–39	0.2–0.3
Ds12.7x12.7	47–58	0.2–0.3
Ds12x15	50–61	0.2–0.3
Ds12x25	55–67	0.2–0.3
Ds14x25	60–72	0.2–0.3
Ds14x30	61–74	0.2–0.3
Ds14x40.6	55–67	0.2–0.3
Ds16x35	61–74	0.2–0.3
Ds18x24	51–62	0.2–0.3
Ds18x40	61–74	0.2–0.3
Ds18x80	55–71	0.2–0.3
Ds18x100	40–58	0.2–0.3
Ds20x20	52–65	0.2–0.3
Ds20x50	55–67	0.2–0.3
Ds20x60	60–74	0.2–0.3
Ds20x80	50–64	0.2–0.3
Ds20x90	55–71	0.2–0.3



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

Thread	Efficiency	Coefficient of friction
	η	μ
Ds4x2.4	41–54	0.15–0.25
Ds5x5	52–65	0.15–0.25
Ds6.35x2.54	33–45	0.15–0.25
Ds6.35x5.08	47–61	0.15–0.25
Ds6.35x12.7	60–73	0.15–0.25
Ds6.35x25.4	57–72	0.15–0.25
Ds8x10	55–68	0.15–0.25
Ds8x15	60–73	0.15–0.25
Ds8x24	60–74	0.15–0.25
Ds10x3	38–48	0.15–0.25
Ds10x12	55–68	0.15–0.25
Ds10x25	61–74	0.15–0.25
Ds10x50	52–70	0.15–0.25
Ds12x5	34–46	0.15–0.25
Ds12.7x12.7	65–74	0.15–0.25
Ds12x15	55–68	0.15–0.25
Ds12x25	61–73	0.15–0.25
Ds14x25	60–72	0.15–0.25
Ds14x30	61–74	0.15–0.25
Ds14x40.6	61–74	0.15–0.25
Ds16x35	61–74	0.15–0.25
Ds18x24	56–69	0.15–0.25
Ds18x40	61–74	0.15–0.25
Ds18x80	55–71	0.15–0.25
Ds18x100	49–68	0.15–0.25
Ds20x20	52–65	0.15–0.25
Ds20x50	61–74	0.15–0.25
Ds20x60	60–74	0.15–0.25
Ds20x80	57–72	0.15–0.25
Ds20x90	55–71	0.15–0.25



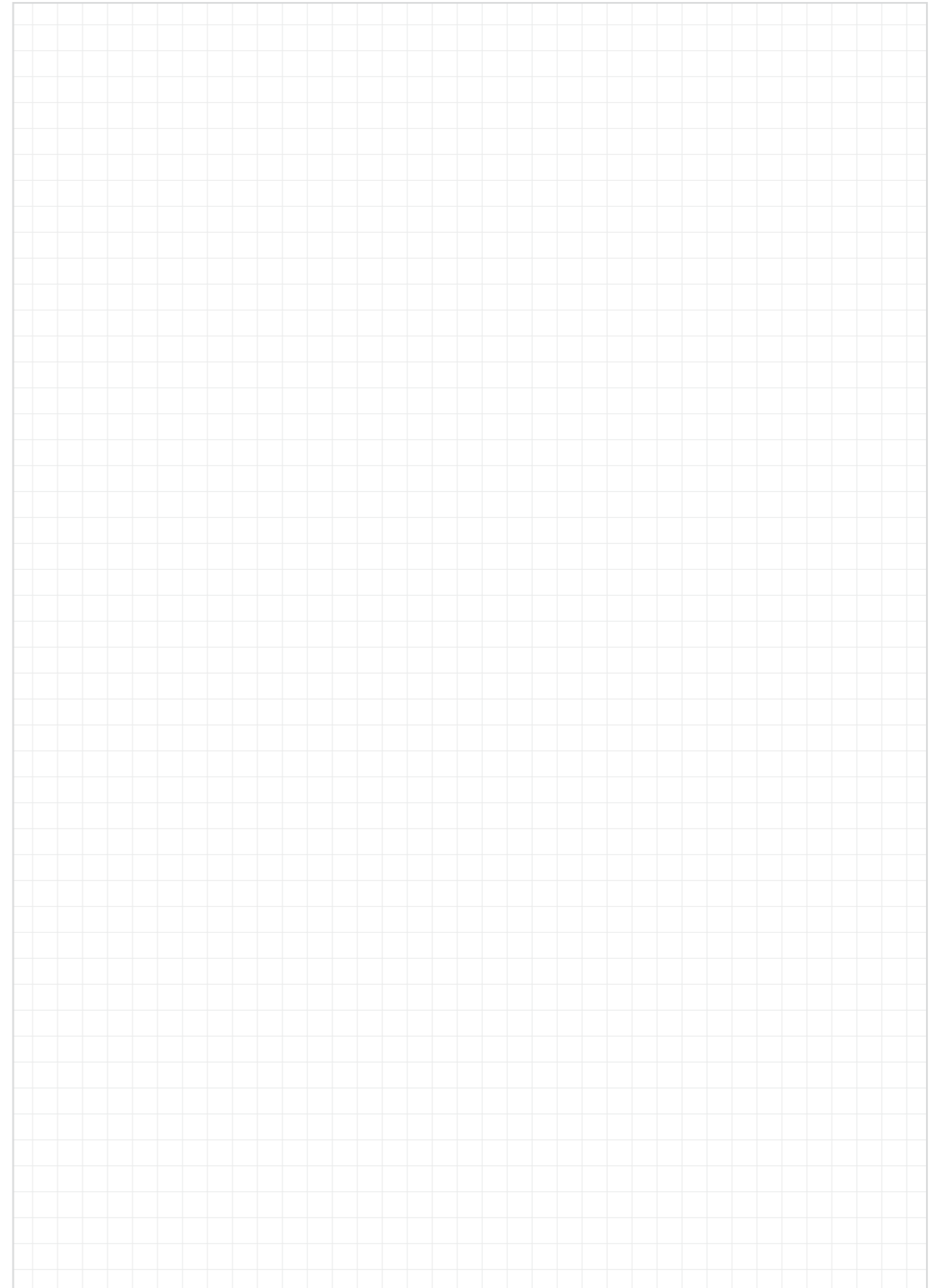
For high speeds:
iglidur® E7



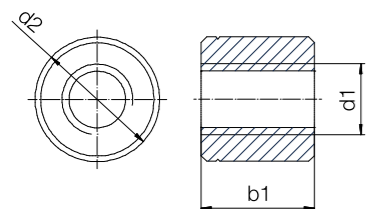
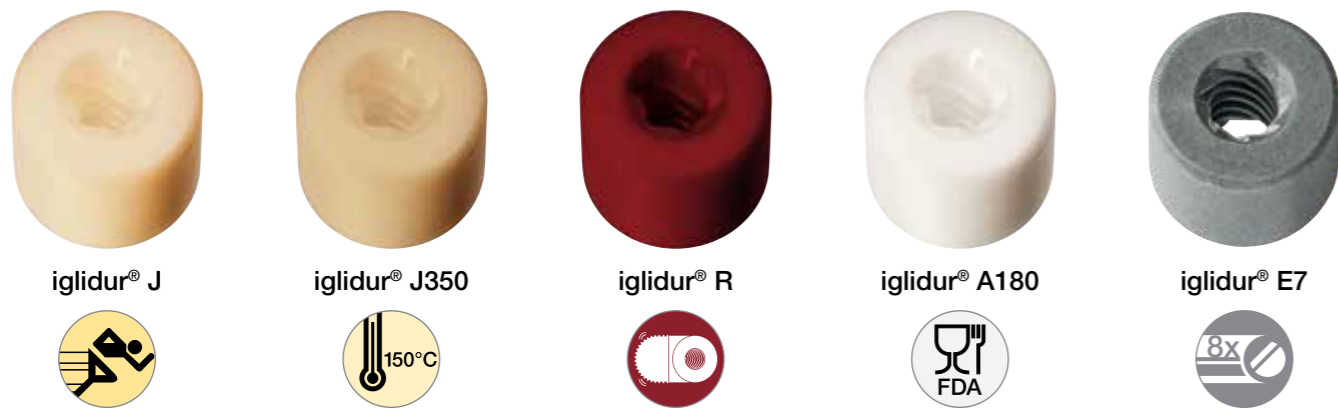
The specialist on hard anodised
aluminium: iglidur® J200

Thread	Efficiency	Coefficient of friction
	η	μ
Ds6.35x2.54	33–55	0.2–0.3
Ds6.35x5.08	47–70	0.2–0.3
Ds6.35x12.7	60–81	0.2–0.3
Ds6.35x25.4	57–81	0.2–0.3
Ds8x10	55–77	0.2–0.3
Ds8x15	60–81	0.2–0.3
Ds10x3	23–32	0.2–0.3
Ds10x12	55–76	0.2–0.3
Ds10x25	61–82	0.2–0.3
Ds10x50	52–79	0.2–0.3
Ds12x5	34–56	0.2–0.3
Ds14x25	60–80	0.2–0.3
Ds14x30	61–81	0.2–0.3
Ds16x35	–	–
Ds18x24	–	–
Ds18x40	–	–
Ds18x80	–	–
Ds18x100	–	–
Ds20x20	–	–
Ds20x50	–	–
Ds20x60	–	–
Ds20x80	–	–
Ds20x90	–	–

Thread	Efficiency	Coefficient of friction
	η	μ
Ds6.35x2.54	–	–
Ds6.35x5.08	–	–
Ds6.35x12.7	–	–
Ds6.35x25.4	–	–
Ds8x10	–	–
Ds8x15	–	–
Ds10x3	–	–
Ds10x12	–	–
Ds10x25	–	–
Ds10x50	–	–
Ds12x5	–	–
Ds14x25	–	–
Ds14x30	–	–
Ds16x35	61–71	0.1–0.25
Ds18x24	56–77	0.1–0.25
Ds18x40	61–71	0.1–0.25
Ds18x80	55–68	0.1–0.25
Ds18x100	49–64	0.1–0.25
Ds20x20	52–62	0.1–0.25
Ds20x50	52–62	0.1–0.25
Ds20x60	60–71	0.1–0.25
Ds20x80	57–69	0.1–0.25
Ds20x90	55–68	0.1–0.25



Lead screw nuts, cylindrical (form S)



Technical data

Thread	Hand of rotation		Effective supporting surface [mm²]	Max. stat. axial F [N] igidur®		
	right	left		J / J350 / A180	R	E7
Ds4x2.4	●	–	60	152	152	–
Ds5x5	●	–	57	152	152	–
Ds6.35x2.54	●	●	172	152	152	86
Ds6.35x5.08	●	–	135	152	152	68
Ds6.35x12.7	●	–	67	152	152	34
Ds6.35x25.4	●	–	74	152	152	24
Ds8x10	●	●	122	304	244	61
Ds8x15	●	●	123	308	244	61
Ds8x24	●	–	104	260	208	–
Ds10x3	●	–	410	1,025	820	–
Ds10x12	●	●	274	685	541	72
Ds10x25	●	●	249	623	499	125
Ds10x50	●	●	144	361	289	137
Ds12x5	●	–	398	995	796	–
Ds12.7x12.7	●	–	462	1,155	924	–
Ds12x15	●	–	712	1,113	891	–
Ds12x25	●	–	385	963	770	–
Ds14x25	●	●	444	1,110	888	–
Ds14x30	●	–	440	1,101	881	–
Ds14x40.6	●	–	434	1,095	868	–
Ds16x35	●	–	610	1,526	1,221	–
Ds18x24	●	●	844	2,110	1,688	–

Order key

Type d2 b1 Thread

DST-□ S R M-1413DS10X12

dryspin® technology	igidur® 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
- 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

Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	b1 ¹⁵⁶⁾	Weight [g] igidur®					Part No.
			J	J350	R	A180	E7	
4	14	13	2.74	2.65	2.55	2.68	–	DST-□SRM-131315DS4X2.4
5	14	13	2.4	2.3	2.2	2.3	–	DST-□SRM-1413DS5X5 New
6.35	14	13	2.4	2.3	2.2	2.3	1.67	DST-□S□M-1413DS6.35X2.54
6.35	14	13	2.4	2.3	2.2	2.3	1.67	DST-□SRM-1413DS6.35X5.08
6.35	14	13	2.4	2.3	2.2	2.3	1.67	DST-□SRM-1413DS6.35X12.7
6.35	14	13	2.4	2.3	2.2	2.3	1.67	DST-□SRM-1413DS6.35X25.4
8	18	12	3.7	3.5	3.4	3.6	2.57	DST-□S□M-1812DS8X10
8	18	12	3.7	3.5	3.4	3.6	2.57	DST-□S□M-1812DS8X15
8	18	12	3.7	3.5	3.4	3.6	–	DST-□SRM-1812DS8X24 New
10	22	20	9.0	8.7	8.4	8.8	–	DST-□SRM-2220DS10X3 New
10	22	20	9.0	8.7	8.4	8.8	6.33	DST-□S□M-2220DS10X12
10	22	20	9.0	8.7	8.4	8.8	6.33	DST-□S□M-2220DS10X25
10	22	20	9.0	8.7	8.4	8.8	6.33	DST-□S□M-2220DS10X50
12	26	24	14.9	14.4	13.9	14.6	–	DST-□SRM-2624DS12X5
12	26	24	14.9	14.4	13.9	14.6	–	DST-□SRM-2624DS12.7X12.7 New
12	26	24	14.9	14.4	13.6	14.6	–	DST-□SRM-2624DS12X15 New
12	26	24	14.9	14.4	13.9	14.6	–	DST-□SRM-2624DS12X25
14	30	27	22.2	21.5	20.8	21.8	–	DST-□S□M-3027DS14X25
14	30	27	22.2	21.5	20.8	21.8	–	DST-□SRM-3027DS14X30
14	30	27	22.2	21.5	20.8	21.8	–	DST-□SRM-3027DS14X40.6
16	36	32	38.9	37.6	36.3	38.2	–	DST-□SRM-3632DS16X35
18	40	36	53.8	52.0	50.1	52.7	–	DST-□S□M-4036DS18X24

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

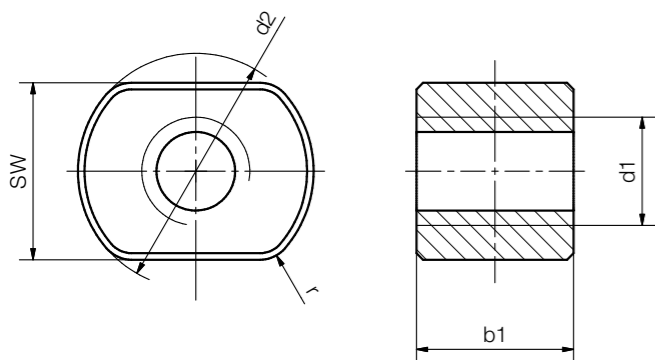
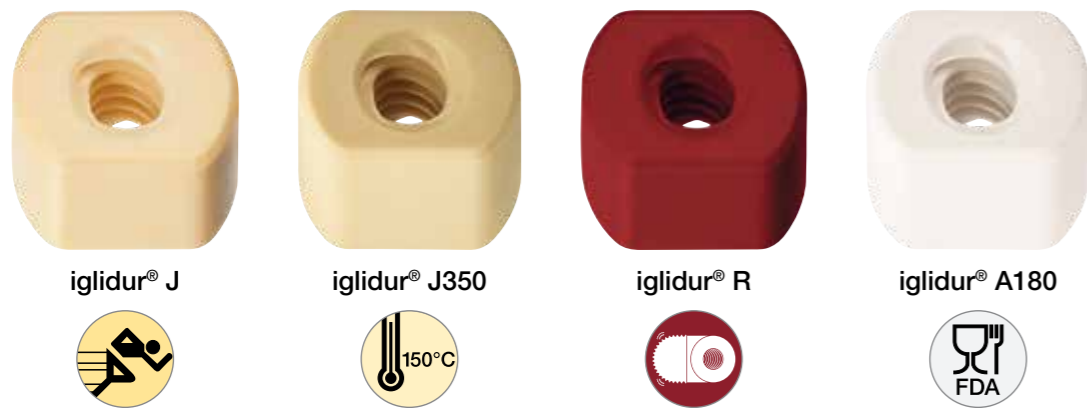
Technical data

Thread	Hand of rotation		Effective supporting surface [mm ²]	Max. stat. axial F [N]		
	right	left		iglidur®		
			J / J350 / A180	R	E7	
Ds18x40	●	●	786	1,966	1,573	–
Ds18x80	●	●	543	1,357	1,086	–
Ds18x100	●	●	476	1,191	953	–
Ds20x20	●	●	984	2,460	1,968	–
Ds20x50	●	–	1007	2,517	2,014	–
Ds20x60	●	●	663	1,657	1,325	–
Ds20x80	●	●	686	1,715	1,372	–
Ds20x90	●	●	610	1,657	1,220	–

Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	b1 ¹⁵⁶⁾	Weight [g]				Part No.	
			iglidur®					
			J	J350	R	A180	E7	
18	40	36	53.8	52.0	50.1	52.7	–	DST-□S□M-4036DS18X40
18	40	36	53.8	52.0	50.1	52.7	–	DST-□S□M-4036DS18X80
18	40	36	53.8	52.0	50.1	52.7	–	DST-□S□M-4036DS18X100
20	45	40	76.1	73.5	71.0	74.5	–	DST-□S□M-4540DS20X20
20	45	40	76.1	73.5	71.0	74.5	–	DST-□SRM-4540DS20X50
20	45	40	76.1	73.5	71.0	74.5	–	DST-□S□M-4540DS20X60
20	45	40	76.1	73.5	71.0	74.5	–	DST-□S□M-4540DS20X80
20	45	40	76.1	73.5	71.0	74.5	–	DST-□S□M-4540DS20X90

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



Technical data

Thread	Hand of rotation		Effective support surface [mm²]	Max. stat. axial F [N] igidur®			
	right	left		J	J350	R	A180
DS10x12	●	●	271	677	677	541	677
DS10x25	●	●	249	623	623	499	623
DS10x50	●	●	144	361	361	289	361
DS12x5	●	–	391	977	977	782	977
DS12x15	●	–	633	990	990	792	990
DS12x25	●	–	385	964	964	771	964
DS14x25	●	●	440	1,101	1,101	881	1,101
DS14x30	●	–	440	1,101	1,101	881	1,101
DS14x40.6	●	–	430	1,075	1,075	860	1,075
DS16x35	●	–	610	1,526	1,526	1,221	1,526
DS18x24	●	●	824	2,061	2,061	1,649	2,061
DS18x40	●	●	786	1,966	1,966	1,573	1,966
DS18x80	●	●	543	1,357	1,357	1,086	1,357
DS18x100	●	●	476	1,191	1,191	953	1,191
DS20x20	●	●	984	2,460	2,460	1,968	2,460
DS10x50	●	●	795	1,988	1,988	1,590	1,988
DS20x50	●	–	663	1,657	1,657	1,325	1,657
DS20x60	●	●	663	1,657	1,657	1,325	1,657
DS20x80	●	●	697	1,742	1,742	1,393	1,742
DS20x90	●	●	663	1,657	1,657	1,325	1,657

Order key

Type	SW	d2	b1	Thread
DST-□ S R M-17 22 20 DS 10X12				
dryspin® technology	igidur® material	Form S	Hand of rotation	Metric
			Spanner flat [mm]	Outer Ø [mm]
			Length [mm]	Thread type
			Diameter [mm]	Pitch

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

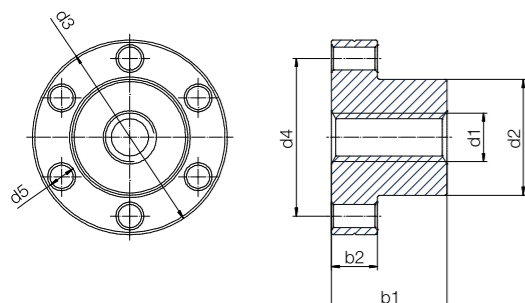
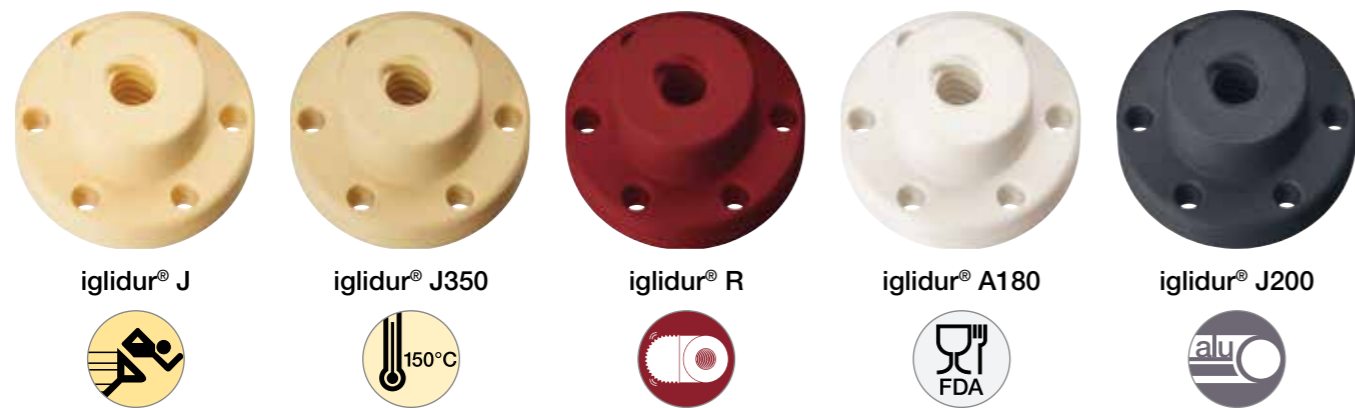
J	High efficiency at all speeds
J350	For temperatures up to +150°C
R	The cost-effective option for high volume
A180	FDA-compliant for the food and pharmaceutical industries

Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	b1 ¹⁵⁶⁾	SW	Weight [g] igidur®				Part No.
				J	J350	R	A180	
10	22	20	17	6.65	6.42	6.20	6.51	DST-□S□M-172220DS10x12
10	22	20	17	6.65	6.42	6.20	6.51	DST-□S□M-172220DS10x25
10	22	20	17	6.65	6.42	6.20	6.51	DST-□S□M-172220DS10x50
12	26	24	19	10.90	10.53	10.17	10.68	DST-□SRM-192624DS12x5
12	26	24	19	10.90	10.50	10.20	10.70	DST-□SRM-192624DS12x15 New
12	26	24	19	10.90	10.53	10.17	10.68	DST-□SRM-192624DS12x25
14	30	27	25	16.05	15.51	14.97	15.73	DST-□S□M-253027DS14x25
14	30	27	25	16.05	15.51	14.97	15.73	DST-□SRM-253027DS14x30
14	30	32	25	19.02	18.39	17.75	18.64	DST-□SRM-253027DS14x40.6
16	36	36	27	33.03	31.92	30.81	32.36	DST-□SRM-273632DS16x35
18	40	36	27	40.11	38.76	37.41	39.30	DST-□S□M-274036DS18x24
18	40	36	27	40.11	38.76	37.41	39.30	DST-□S□M-274036DS18x40
18	40	36	27	40.11	38.76	37.41	39.30	DST-□S□M-274036DS18x80
18	40	40	27	44.56	43.07	41.57	43.67	DST-□S□M-274036DS18x100
20	45	40	30	57.34	55.42	53.49	56.19	DST-□S□M-304540DS20x20
20	45	40	30	57.34	55.42	53.49	56.19	DST-□S□M-304540DS10x50
20	45	40	30	57.34	55.42	53.49	56.19	DST-□S□M-304540DS20x50
20	45	40	30	57.34	55.42	53.49	56.19	DST-□S□M-304540DS20x60
20	45	40	30	57.34	55.42	53.49	56.19	DST-□S□M-304540DS20x80
20	45	40	30	57.34	55.42	53.49	56.19	DST-□S□M-304540DS20x90

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

Lead screw nuts with flange (form F)



Technical data

Thread	Hand of rotation		Effective supporting surface [mm²]	Max. stat. axial F [N]		
	right	left		igidur®		
			J / J350 / A180	R	J200	
Ds4x2.4	●	–	69	125	125	–
Ds5x5	●	–	66	152	152	–
Ds6.35x2.54	●	●	199	125	125	–
Ds6.35x5.08	●	–	156	125	125	–
Ds6.35x12.7	●	–	78	125	125	–
Ds6.35x25.4	●	–	86	125	125	–
Ds8x10	●	●	203	508	406	–
Ds8x15	●	●	205	635	507	–
Ds8x24	●	–	173	432.5	346	–
Ds10x3	●	●	512	1,280	1,024	–
Ds10x12	●	●	343	845	677	–
Ds10x25	●	●	312	780	623	–
Ds10x50	●	●	181	453	361	–
Ds12x5	●	–	581	1,425	1,140	–
Ds12.7x12.7	●	–	599	1,497.5	1,198	–
Ds12x15	●	–	923	1,443	1,155	–
Ds12x25	●	–	562	1,405	1,124	–
Ds14x25	●	●	576	1,428	1,142	–
Ds14x30	●	–	571	1,428	1,142	–
Ds14x40.6	●	–	434	1,085	868	–
Ds16x35	●	–	668	1,670	1,335	1,336

Order key

Type d2 b1 Thread

DST-□ F R M-25 25DS 10X12

dryspin® technology	igidur® material	Form F	Hand of rotation	Metric	Outer Ø [mm]	Length [mm]	Thread type	Diameter [mm]	Pitch
	J								
	J350								
	R								
	A180								
	J200								

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

- J** High efficiency at all speeds
- 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]					Part No.
							igidur®					
							J	J350	R	A180	J200	
4.0	13	25	15	3.2	15	5	7.6	7.35	7.09	7.45	–	DST-□FRM-1315DS4X2.4
5.0	13	25	19	3.2	15	5	4.9	4.8	4.6	4.8	–	DST-□FRM-1315DS5X5 New
6.35	13	25	19	3.2	15	5	4.9	4.8	4.6	4.8	–	DST-□F□M-1315DS6.35X2.54
6.35	13	25	19	3.2	15	5	4.9	4.8	4.6	4.8	–	DST-□FRM-1315DS6.35X5.08
6.35	13	25	19	3.2	15	5	4.9	4.8	4.6	4.8	–	DST-□FRM-1315DS6.35X12.7
6.35	13	25	19	3.2	15	5	4.9	4.8	4.6	4.8	–	DST-□FRM-1315DS6.35X25.4
8	20	36	28	4	20	8	12.3	11.9	11.5	12.0	–	DST-□F□M-2020DS8X10
8	20	36	28	4	20	8	12.3	11.9	11.5	12.0	–	DST-□F□M-2020DS8X15
8	20	36	28	4	20	8	12.3	11.9	11.5	12.0	–	DST-□FRM-2020DS8X24 New
10	25	42	34	5	25	10	28.7	27.7	26.8	28.1	–	DST-□FRM-2525DS10X3 New
10	25	42	34	5	25	10	28.7	27.7	26.8	28.1	–	DST-□F□M-2525DS10X12
10	25	42	34	5	25	10	28.7	27.7	26.8	28.1	–	DST-□F□M-2525DS10X25
10	25	42	34	5	25	10	28.7	27.7	26.8	28.1	–	DST-□F□M-2525DS10X50
12	28	48	38	6	35	12	47.6	46.0	44.4	46.6	–	DST-□FRM-2835DS12X5
12	28	48	38	6	35	18	47.6	46.0	44.4	46.6	–	DST-□FRM-2835DS12.7X12.7 New
12	28	48	38	6	35	18	47.6	46.0	44.4	46.6	–	DST-□FRM-2835DS12X15 New
12	28	48	38	6	35	18	47.6	46.0	44.4	46.6	–	DST-□FRM-2835DS12X25
14	28	48	38	6	35	12	45.4	43.9	42.4	44.5	–	DST-□F□M-2835DS14X25
12	28	48	38	6	35	18	45.4	43.9	42.4	44.5	–	DST-□FRM-2835DS14X30
14	28	48	38	6	35	12	45.4	43.9	42.4	44.5	–	DST-□FRM-2835DS14X40.6
16	28	48	38	6	35	12	43.0	41.5	40.1	42.1	50	DST-□FRM-2835DS16X35

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]		
	right	left		iglidur®		
				J / J350 / A180	R	J200
Ds18x24	●	●	844	2,110	1,688	1,688
Ds18x40	●	●	764	1,910	1,529	1,528
Ds18x80	●	●	528	1,320	1,056	1,056
Ds18x100	●	●	463	1,158	926	926
Ds20x20	●	●	1,083	2,708	2,165	2166
Ds20x50	●	–	729	1,823	1,458	1,750
Ds20x60	●	●	729	1,823	1,458	1,458
Ds20x80	●	●	755	1,888	1,510	1,510
Ds20x90	●	●	671	1,678	1,342	1,342

Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	d3	d4	d5	b1 ¹⁵⁶⁾	b2	Weight [g]					Part No.
							iglidur®					
							J	J350	R	A180	J200	
18	28	48	38	6	35	12	50.9	49.2	47.4	49.8	48	DST-□F□M-2835DS18X24
18	28	48	38	6	35	12	50.9	49.2	47.4	49.8	48	DST-□F□M-2835DS18X40
18	28	48	38	6	35	12	50.9	49.2	47.4	49.8	48	DST-□F□M-2835DS18X80
18	28	48	38	6	35	12	50.9	49.2	47.4	49.8	48	DST-□F□M-2835DS18X100
20	32	55	45	7	44	12	60.2	58.2	56.2	59.0	73	DST-□F□M-3244DS20X20
20	32	55	45	7	44	12	60.2	58.2	56.2	59.0	73	DST-□F□M-3244DS20X50
20	32	55	45	7	44	12	60.2	58.2	56.2	59.0	73	DST-□F□M-3244DS20X60
20	32	55	45	7	44	12	60.2	58.2	56.2	59.0	73	DST-□F□M-3244DS20X80
20	32	55	45	7	44	12	60.2	58.2	56.2	59.0	73	DST-□F□M-3244DS20X90

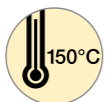
¹⁵⁶⁾ Tolerances according to DIN ISO 2768-1, tolerance class m (medium)



igidur® J



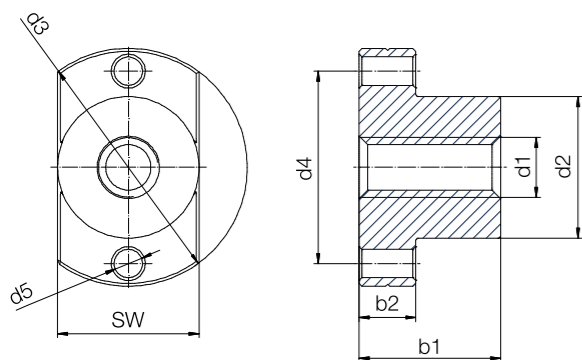
igidur® J350



igidur® R



igidur® A180



Technical data

Thread	Hand of rotation		Effective supporting surface [mm²]	Max. stat. axial F [N] iglidur®	
	right	left		J / J350 / A180	R
Ds4x2.4	●	–	69	125	125
Ds5x5	●	–	66	152	152
Ds6.35x2.54	●	●	199	125	125
Ds6.35x5.08	●	–	156	125	125
Ds6.35x12.7	●	–	78	125	125
Ds6.35x25.4	●	–	114	125	125
Ds8x10	●	●	203	507	406
Ds8x15	●	●	205	513	410
Ds8x24	●	●	173	432.5	346
Ds10x12	●	●	343	858	686
Ds10x25	●	●	312	779	623
Ds10x50	●	●	253	632	506
Ds12x5	●	–	581	1,452	1,162
Ds12x15	●	–	923	1,443	1,155
Ds12x25	●	–	562	1,405	1,124
Ds14x25	●	●	576	1,440	1,152
Ds14x30	●	–	571	1,427	1,142
Ds14x40.6	●	–	562	1,405	1,124
Ds16x35	●	–	668	1,669	1,335
Ds18x24	●	●	821	2,053	1,643
Ds18x40	●	●	764	1,911	1,529

Order key

Type	SW	d2	b1	Thread
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DST-□ F R M-25 25 25 DS 10X12

dryspin® technology	igidur® material	Form F	Hand of rotation	Metric	Spanner flat [mm]	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
- 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] iglidur®				Part No.
								J	J350	R	A180	
4.0	13	25	19	3.2	15	5	13	4.1	3.98	3.84	4.04	DST-□FRM-131315DS4X2.4
5.0	13	25	19	3.2	15	5	13	3.7	3.6	3.4	3.6	DST-□FRM-131315DS5X5
6.35	13	25	19	3.2	15	5	13	3.7	3.6	3.4	3.6	DST-□F□M-131315DS6.35X2.54
6.35	13	25	19	3.2	15	5	13	3.7	3.6	3.4	3.6	DST-□FRM-131315DS6.35X5.08
6.35	13	25	19	3.2	15	5	13	3.7	3.6	3.4	3.6	DST-□FRM-131315DS6.35X12.7
6.35	13	25	19	3.2	15	5	13	3.7	3.6	3.4	3.6	DST-□FRM-131315DS6.35X25.4
8	20	36	28	4	20	8	20	12.7	12.3	11.8	12.4	DST-□F□M-202020DS8X10
8	20	36	28	4	20	8	20	12.7	12.3	11.8	12.4	DST-□F□M-202020DS8X15
8	20	36	28	4	20	8	20	12.7	12.3	11.8	12.4	DST-□F□M-202020DS8X24
10	25	42	34	5	25	10	25	23.7	22.9	22.1	23.2	DST-□F□M-252525DS10X12
10	25	42	34	5	25	10	25	23.7	22.9	22.1	23.2	DST-□F□M-252525DS10X25
10	25	42	34	5	25	10	25	23.7	22.9	22.1	23.2	DST-□F□M-252525DS10X50
12	28	48	38	6	35	12	28	39.2	37.9	36.6	38.4	DST-□FRM-282835DS12X5
12	28	48	38	6	35	18	28	39.2	37.9	36.6	38.4	DST-□FRM-282835DS12X15
12	28	48	38	6	35	12	28	39.2	37.9	36.6	38.4	DST-□FRM-282835DS12X25
14	28	48	38	6	35	12	28	37.1	35.9	34.6	36.4	DST-□F□M-282835DS14X25
14	28	48	38	6	35	12	28	37.1	35.9	34.6	36.4	DST-□FRM-282835DS14X30
14	28	48	38	6	35	12	28	37.1	35.9	34.6	36.4	DST-□FRM-282835DS14X40.6
16	28	48	38	6	35	12	28	34.6	33.5	32.3	33.9	DST-□FRM-282835DS16X35
18	28	48	38	6	35	12	28	31.9	30.8	29.7	31.2	DST-□F□M-282835DS18X24
18	28	48	38	6	35	12	28	31.9	30.8	29.7	31.2	DST-□F□M-282835DS18X40

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

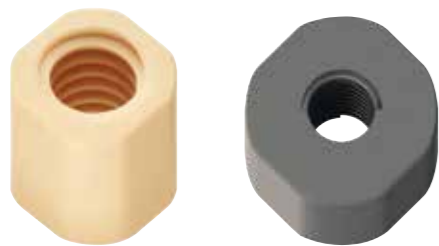
Technical data

Thread	Hand of rotation		Effective supporting surface [mm ²]	Max. stat. axial F [N] iglidur®	
	right	left		J / J350 / A180	R
Ds18x80	●	●	528	1,319	1,056
Ds18x100	●	●	463	1,158	926
Ds20x20	●	●	1,083	2,707	2,165
Ds20x50	●	–	729	1,822	1,458
Ds20x60	●	●	729	1,822	1,458
Ds20x80	●	●	755	1,888	1,510
Ds20x90	●	●	671	1,678	1,342

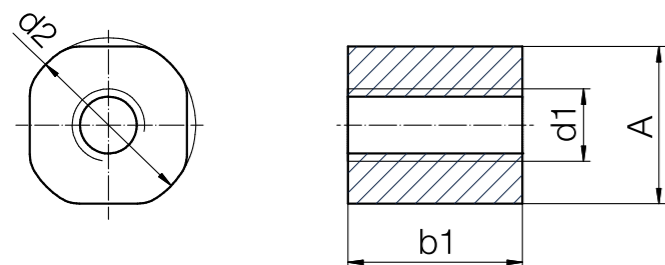
Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	d3	d4	d5	b1 ¹⁵⁶⁾	b2	SW	Weight [g] iglidur®				Part No.
								J	J350	R	A180	
18	28	48	38	6	35	12	28	31.9	30.8	29.7	31.2	DST-□F□M-282835DS18X80
18	28	48	38	6	35	12	28	31.9	30.8	29.7	31.2	DST-□F□M-282835DS18X100
20	32	55	45	7	44	12	32	49.2	47.6	45.9	48.2	DST-□F□M-323244DS20X20
20	32	55	45	7	44	12	32	49.2	47.6	45.9	48.2	DST-□F□M-323244DS20X50
20	32	55	45	7	44	12	32	49.2	47.6	45.9	48.2	DST-□F□M-323244DS20X60
20	32	55	45	7	44	12	32	49.2	47.6	45.9	48.2	DST-□F□M-323244DS20X80
20	32	55	45	7	44	12	32	49.2	47.6	45.9	48.2	DST-□F□M-323244DS20X90

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



Images exemplary



Technical data

Thread	Hand of rotation		Effective supporting surface [mm²]	Max. stat. axial F [N]
	right	left		
Ds4x2.4	●	–	53	152
Ds5x5	●	–	53	152
Ds6.35x2.54	●	●	159	152
Ds6.35x5.08	●	–	125	152
Ds6.35x12.7	●	–	62	152
Ds6.35x25.4	●	–	69	152
Ds8x10	●	●	203	507
Ds8x15	●	●	203	507
Ds8x24	●	–	173	432.5
Ds10x3	●	–	410	1,025
Ds10x12	●	●	271	677
Ds10x25	●	●	249	623
Ds10x50	●	●	144	361
Ds12x5	●	–	407	1,018
Ds12.7x12.7	●	–	427	1,067.5
Ds12x15	●	–	659	1,031
Ds12x25	●	–	291	1,018
Ds14x25	●	●	408	1,019
Ds14x30	●	–	408	1,019
Ds16x35	●	–	477	1,192
Ds18x24	●	●	573	1,431
Ds18x40	●	●	546	1,365

Order key

Type d2 b1 Thread

DST - J S □ M - C - 01 - DS 10X12

dryspin® technology	iglidur® material	Form S	Hand of rotation	Metric	Thread: cut	Type	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
E7 For high speeds

Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	A	b1 ¹⁵⁶⁾	Weight [g]	Part No.
4	12	11	12	1.46	DST-JSRM-C-01-DS4X2.4 New
5	12	11	12	1.46	DST-JSRM-C-01-DS5X5 New
6.35	12	11	12	1.46	DST-JS□M-C-01-DS6.35X2.54
6.35	12	11	12	1.46	DST-JSRM-C-01-DS6.35X5.08
6.35	12	11	12	1.46	DST-JSRM-C-01-DS6.35X12.7
6.35	12	11	12	1.46	DST-JSRM-C-01-DS6.35X25.4
8	20	18	20	7.86	DST-JS□M-C-01-DS8X10
8	20	19	20	7.86	DST-JS□M-C-01-DS8X15
8	20	18	20	7.90	DST-JSRM-C-01-DS8X24 New
10	20	18	20	7.02	DST-JSRM-C-01-DS10X3 New
10	20	18	20	7.02	DST-JS□M-C-01-DS10X12
10	20	18	20	7.02	DST-JS□M-C-01-DS10X25
10	20	18	20	7.02	DST-JS□M-C-01-DS10X50
12	24	22.6	25	12.64	DST-JSRM-C-01-DS12X5
12	24	22.6	25	12.64	DST-JSRM-C-01-DS12.7X12.7 New
12	24	22.6	25	12.60	DST-JSRM-C-01-DS12X15 New
12	26	22.6	25	12.64	DST-JSRM-C-01-DS12X25
14	24	22.6	25	11.12	DST-JS□M-C-01-DS14X25
14	24	22.6	25	11.12	DST-JSRM-C-01-DS14X30
16	28	26.2	25	15.45	DST-JSRM-C-01-DS16X35
18	28	26.2	25	13.46	DST-JS□M-C-01-DS18X24
18	28	26.2	25	13.46	DST-JS□M-C-01-DS18X40

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

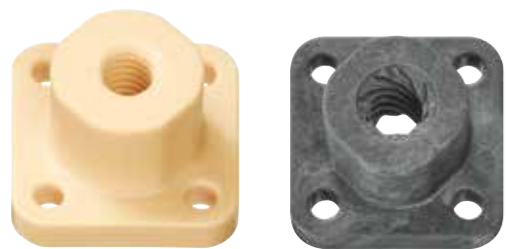
Technical data

Thread	Hand of rotation		Effective supporting surface [mm ²]	Max. stat. axial F [N]
	right	left		
Ds6.35x2.54	●	●	159	79.5
Ds6.35x5.08	●	–	125	62.5
Ds6.35x12.7	●	–	62	31.0
Ds6.35x25.4	●	–	69	34.5
Ds8x10	●	–	203	101.5
Ds8x15	●	–	203	101.5
Ds10x12	●	–	217	108.5
Ds10x25	●	–	249	124.5
Ds10x50	●	–	144	72.0
Ds12x5	●	–	407	203.5
Ds12x25	●	–	291	145.5
Ds14x25	●	–	408	204.0
Ds14x30	●	–	408	204.0

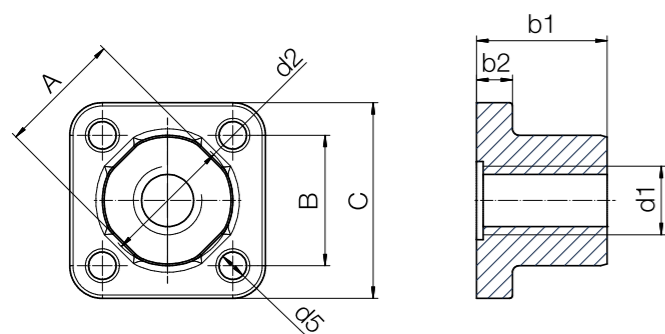
Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	A	b1 ¹⁵⁶⁾	Weight [g]	Part No.
6.35	12	11	12	1.20	DST-E7S□M-C-01-DS6.35X2.54 New
6.35	12	11	12	1.20	DST-E7SRM-C-01-DS6.35X5.08 New
6.35	12	11	12	1.20	DST-E7SRM-C-01-DS6.35X12.7 New
6.35	12	11	12	1.20	DST-E7SRM-C-01-DS6.35X25.4 New
8	20	18	20	5.00	DST-E7SRM-C-01-DS8X10 New
8	20	18	20	5.00	DST-E7SRM-C-01-DS8X15 New
10	20	18	20	5.00	DST-E7SRM-C-01-DS10X12 New
10	20	18	20	5.00	DST-E7SRM-C-01-DS10X25 New
10	20	18	20	5.00	DST-E7SRM-C-01-DS10X50 New
12	24	22.6	25	9.80	DST-E7SRM-C-01-DS12X5 New
12	26	22.6	25	9.80	DST-E7SRM-C-01-DS12X25 New
14	24	22.6	25	9.80	DST-E7SRM-C-01-DS14X25 New
14	24	22.6	25	9.80	DST-E7SRM-C-01-DS14X30 New

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



Images exemplary



Technical data

Thread	Hand of rotation		Effective supporting surface [mm²]	Max. stat. axial F [N]
	right	left		
Ds5x5	●	–	53	152
Ds6.35x2.54	●	●	199	125
Ds6.35x5.08	●	–	156	125
Ds6.35x12.7	●	–	78	125
Ds6.35x25.4	●	–	86	125
Ds8x10	●	●	203	507
Ds8x15	●	●	254	634
Ds8x24	●	–	173	432.5
Ds10x3	●	–	410	1,025
Ds10x12	●	●	338	846
Ds10x25	●	●	312	779
Ds10x50	●	●	181	451
Ds12x5	●	–	570	1,425
Ds12.7x12.7	●	–	427	1,067.5
Ds12x15	●	–	659	1,031
Ds12x25	●	–	548	1,425
Ds14x25	●	●	571	1,427
Ds14x30	●	–	571	1,427
Ds16x35	●	–	668	1,669
Ds18x24	●	●	802	2,004
Ds18x40	●	●	764	1,911

Order key

Type d2 b1 Thread

DST - J F □ M - C - 01 - DS 10X12

dryspin® technology	iglidur® material	Form F	Hand of rotation	Metric	Thread: cut	Type	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
E7 For high speeds

Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	A	B	C	d5	b1 ¹⁵⁶⁾	b2	Weight [g]	Part No.
5.0	14	11	12	18	3.2	12	4	2.71	DST-JFRM-C-01-DS5X5 New
6.35	12	11	12	18	3.2	12	4	2.71	DST-JF□M-C-01-DS6.35X2.54
6.35	12	11	12	18	3.2	12	4	2.71	DST-JFRM-C-01-DS6.35X5.08
6.35	12	11	12	18	3.2	12	4	2.71	DST-JFRM-C-01-DS6.35X12.7
6.35	12	11	12	18	3.2	12	4	2.71	DST-JFRM-C-01-DS6.35X25.4
8	20	19	20	30	4.2	20	5.5	12.66	DST-JF□M-C-01-DS8X10
8	20	19	20	30	4.2	20	5.5	12.66	DST-JF□M-C-01-DS8X15
8	20	19	20	30	4.2	20	5.5	12.60	DST-JFRM-C-01-DS8X24 New
10	20	19	20	30	4.2	20	5.5	11.82	DST-JFRM-C-01-DS10X3 New
10	20	19	20	30	4.2	20	5.5	11.82	DST-JF□M-C-01-DS10X12
10	20	19	20	30	4.2	20	5.5	11.82	DST-JF□M-C-01-DS10X25
10	20	19	20	30	4.2	20	5.5	11.82	DST-JF□M-C-01-DS10X50
12	24	22.6	24	34	5	25	6	18.93	DST-JFRM-C-01-DS12X5
12	24	22.6	24	34	5	25	6	18.93	DST-JFRM-C-01-DS12.7X12.7 New
12	24	22.6	24	34	5	25	6	19.00	DST-JFRM-C-01-DS12X15 New
12	24	22.6	24	34	5	25	6	18.93	DST-JFRM-C-01-DS12X25
14	24	22.6	24	34	5	25	6	17.41	DST-JF□M-C-01-DS14X25
14	24	22.6	24	34	5	25	6	17.41	DST-JFRM-C-01-DS14X30
16	28	25.5	27	38	6	25	6.5	22.85	DST-JFRM-C-01-DS16X35
18	28	25.5	27	38	6	25	6.5	21.48	DST-JF□M-C-01-DS18X24
18	28	25.5	27	38	6	25	6.5	21.48	DST-JF□M-C-01-DS18X40

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

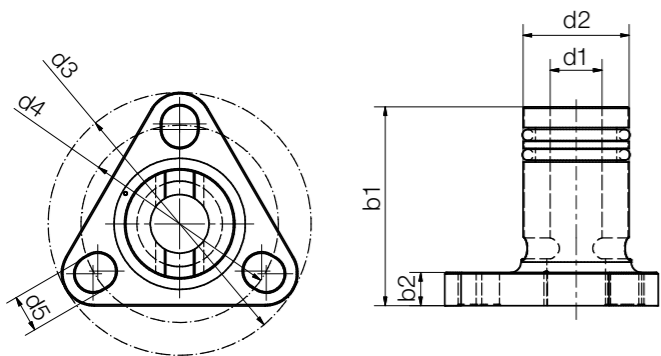
Technical data

Thread	Hand of rotation		Effective supporting surface [mm ²]	Max. stat. axial F [N]
	right	left		
Ds6.35x2.54	●	●	199	80
Ds6.35x5.08	●	–	156	63
Ds6.35x12.7	●	–	78	31
Ds6.35x25.4	●	–	86	35
Ds8x10	●	●	203	102
Ds8x15	●	●	254	102
Ds10x12	●	●	338	136
Ds10x25	●	●	312	125
Ds10x50	●	●	181	72

Dimensions [mm]


d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	A	B	C	d5	b1 ¹⁵⁶⁾	b2	Weight [g]	Part No.
6.35	12	11	12	18	3.2	12	4	1.9	DST-E7F□M-C-01-DS6.35X2.54
6.35	12	11	12	18	3.2	12	4	1.9	DST-E7FRM-C-01-DS6.35X5.08
6.35	12	11	12	18	3.2	12	4	1.9	DST-E7FRM-C-01-DS6.35X12.7
6.35	12	11	12	18	3.2	12	4	1.9	DST-E7FRM-C-01-DS6.35X25.4
8	20	19	20	30	4.2	20	5.5	9.0	DST-E7F□M-C-01-DS8X10
8	20	19	20	30	4.2	20	5.5	9.0	DST-E7F□M-C-01-DS8X15
10	20	19	20	30	4.2	20	5.5	9.0	DST-E7F□M-C-01-DS10X12
10	20	19	20	30	4.2	20	5.5	9.0	DST-E7F□M-C-01-DS10X25
10	20	19	20	30	4.2	20	5.5	9.0	DST-E7F□M-C-01-DS10X50

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



Technical data

Thread	Max. stat. axial F	Max. idling torque (with O-ring) from	Weight
	[N]	[Nm]	
Ds6.35x2.54	40	0.005	3.8
Ds6.35x5.08	40	0.005	3.8
Ds6.35x12.7	40	0.005	3.8
Ds6.35x25.4	40	0.005	3.8
Ds8x10	75	0.01	12.1
Ds8x15	75	0.01	12.1
Ds10x12	75	0.01	12.1
Ds10x25	75	0.01	12.1
Ds10x50	75	0.01	12.1
Ds12x5	125	0.03	18.0
Ds12x25	125	0.03	18.0
Ds14x25	125	0.03	18.0
Ds14x30	125	0.03	18.0
Ds14x40.6	125	0.03	18.0

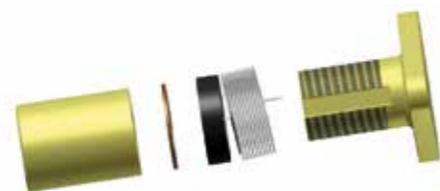
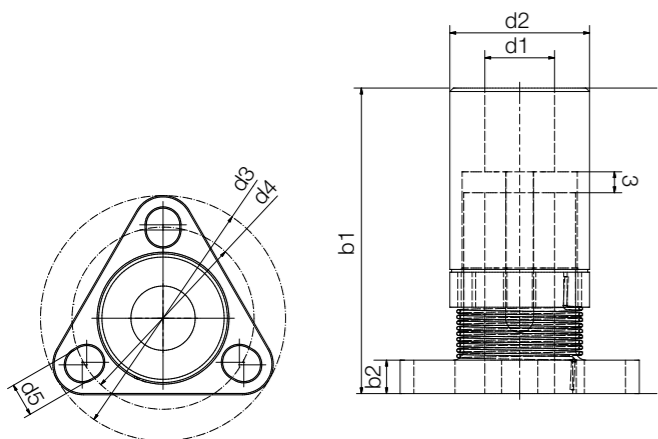
 Order key


Part number	Type	Thread
DST- J F R M-LC-0001-DS 10X12		
dryspin® technology	iglidur® J	
	Form F	
	Hand of rotation	
	Metric	
	Low Clearance	
	Type 0001	
	Thread type	
	Thread Ø [mm]	
	Pitch	

Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	d3	d4	d5	b1 ¹⁵⁶⁾	b2	Part No.
6.35	10	285	22.2	3.7	25.0	4.1	DST-JFRM-LC-0001-DS6.35X2.54
6.35	10	285	22.2	3.7	25.0	4.1	DST-JFRM-LC-0001-DS6.35X5.08
6.35	10	285	22.2	3.7	25.0	4.1	DST-JFRM-LC-0001-DS6.35X12.7
6.35	10	285	22.2	3.7	25.0	4.1	DST-JFRM-LC-0001-DS6.35X25.4
8	16	38.1	28.3	5.2	28.8	4.8	DST-JFRM-LC-0001-DS8X10
8	16	38.1	28.3	5.2	28.8	4.8	DST-JFRM-LC-0001-DS8X15
10	16	38.1	28.3	5.2	28.3	4.8	DST-JFRM-LC-0001-DS10X12
10	16	38.1	28.3	5.2	28.3	4.8	DST-JFRM-LC-0001-DS10X25
10	16	38.1	28.3	5.2	28.3	4.8	DST-JFRM-LC-0001-DS10X50
12	20	41.1	31.8	5.2	44.0	7.0	DST-JFRM-LC-0001-DS12X5
12	20	41.1	31.8	5.2	44.0	7.0	DST-JFRM-LC-0001-DS12X25
14	20	41.1	31.8	5.2	44.0	7.0	DST-JFRM-LC-0001-DS14X25
14	20	41.1	31.8	5.2	44.0	7.0	DST-JFRM-LC-0001-DS14X30
14	20	41.1	31.8	5.2	44.0	7.0	DST-JFRM-LC-0001-DS14X40.6

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




 Installation instructions and video tutorials
▶ www.igus.eu/zero-backlash-nut

Technical data

Thread	Max. stat. axial F [N]	Max. idling torque (with spring) ¹⁷⁰⁾ from [Nm]	Weight [g]
Ds5x5	75	0.02	5.1
Ds6.35x2.54	75	0.02	5.1
Ds6.35x5.08	75	0.02	5.1
Ds6.35x12.7	75	0.02	5.1
Ds6.35x25.4	75	0.02	5.1
Ds8x10	150	0.03	15.2
Ds8x15	150	0.03	15.2
Ds8x24	150	0.03	15.2
Ds10x12	150	0.04	15.2
Ds10x25	150	0.04	15.2
Ds10x50	150	0.04	15.2

¹⁷⁰⁾ The idling torque of the zero-backlash lead screw nut increases with service life. When calculating the dimensions, it is recommended that the maximum idling torque be taken into account.

 Order key

Part number	Type	Thread
DST - J F R M - ZB - 0001 - DS 10X12		
dryspin® technology	iglidur® J	
	Form F	
	Hand of rotation	
	Metric	
	Zero-backlash	
	Type 0001	
	Thread type	
	Thread Ø [mm]	
	Pitch	

Dimensions [mm]

d1 ¹⁵⁶⁾	d2 ¹⁵⁶⁾	d3	d4	d5	b1 ^{40) 156)}	b2	Part No.
5	13.5	28	22.2	3.7	31 – 36	4.1	DST-JFRM-ZB-0001-DS5X5 New
6.35	13.5	28	22.2	3.7	31 – 36	4.1	DST-JFRM-ZB-0001-DS6.35X2.54
6.35	13.5	28	22.2	3.7	31 – 36	4.1	DST-JFRM-ZB-0001-DS6.35X5.08
6.35	13.5	28	22.2	3.7	31 – 36	4.1	DST-JFRM-ZB-0001-DS6.35X12.7
6.35	13.5	28	22.2	3.7	31 – 36	4.1	DST-JFRM-ZB-0001-DS6.35X25.4
8	20	38.1	28.3	5.2	41 – 47	4.8	DST-JFRM-ZB-0001-DS8X10
8	20	38.1	28.3	5.2	41 – 47	4.8	DST-JFRM-ZB-0001-DS8X15
8	20	38.1	28.3	5.2	41 – 47	4.8	DST-JFRM-ZB-0001-DS8X24 New
10	20	38.1	28.3	5.2	41 – 47	4.8	DST-JFRM-ZB-0001-DS10X12
10	20	38.1	28.3	5.2	41 – 47	4.8	DST-JFRM-ZB-0001-DS10X25
10	20	38.1	28.3	5.2	41 – 47	4.8	DST-JFRM-ZB-0001-DS10X50

⁴⁰⁾ Variable according to thread pitch / clearance

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

igus® offers a large modular kit for dryspin® lead screw drives. Bearing housing for lead screws and lead screw nuts enable the design of a custom linear system. With drylin® E lead screw motors, dryspin® combines the highest precision with a longer service life.



Lead screw nut housings

- Universal support for dryspin® lead screw nut with flange
 - Material: anodised aluminium
 - Available individually or completely pre-assembled
- Page 1340



Lead screw support blocks

- Lead screw support block including clamping rings and lubrication-free plain bearings
 - Material: anodised aluminium
 - Fixed and floating bearing version available
- Page 1342



drylin® E lead screw motor with dryspin® technology

- NEMA 11/17/23 stepper motors
 - Direct centring of the dryspin® lead screw for highest precision
 - Many combination options
- Page 1447



Special components

- Special machined lead screw which can be configured online
- Custom machining nuts/lead screw upon request



drylin® lead screw technology – Trapezoidal and metric threads

Self-locking

Maintenance-free dry operation

Resistant to dirt and long service life

Lead screw nuts made from lubrication-free **dry-tech®** polymers

Lead screws made from steel, stainless steel or aluminium

