

Standard ball screws



Miniature ball screws

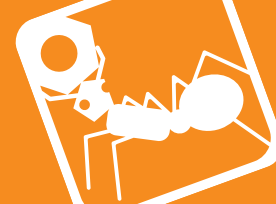


Rolled ball screws

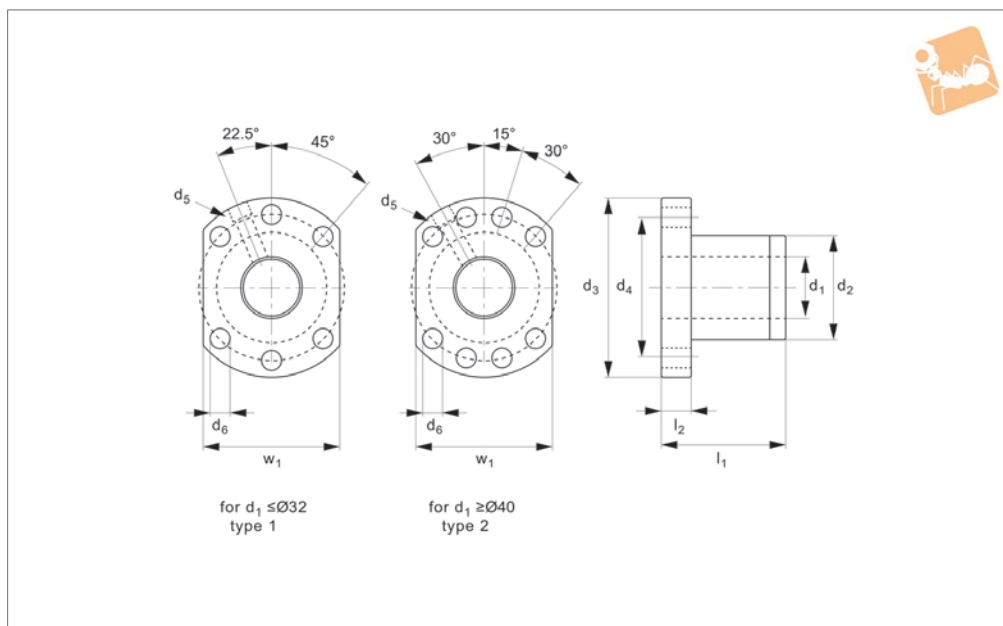
Ø	Pitch (travel per revolution)						
	5	10	16	20	25	40	50
16	●	●	●				
20	●	●		●			
25	●	●			●		
32	●	●		●			
40	●	●		●		●	
50		●		●			●
63		●		●			
80		●		●			

Miniature ball screws

Ø	Pitch (travel per revolution)						Nut
	1	2	2.5	4	5		
6	●					flanged	
8	●	●	●			flanged	
10		●		●		flanged/cylinder	
12		●		●	●	flanged/cylinder	
14		●				flanged/cylinder	



L1370



Material

Steel (16MnCr5 or 100Cr6), with Vulkollan seals.

Technical Notes

To DIN 69051 form B.

Axial play for 5mm pitch = 0,05mm; for 10mm pitch = 0,10mm; for multi-starts = 0,20mm.

Preload max. 5% of max. dynamic load.

For axial run-out, concentricity and parallelism figures see technical pages.

With lubrication and fixing holes.

For use with ball screws no. L1375.

Tips

For easy mounting of the ball screw nuts see the nut bracket - part L1377.

For miniature ball screws $\varnothing 6$ to $\varnothing 14$ see part no. L1379.

Important Notes

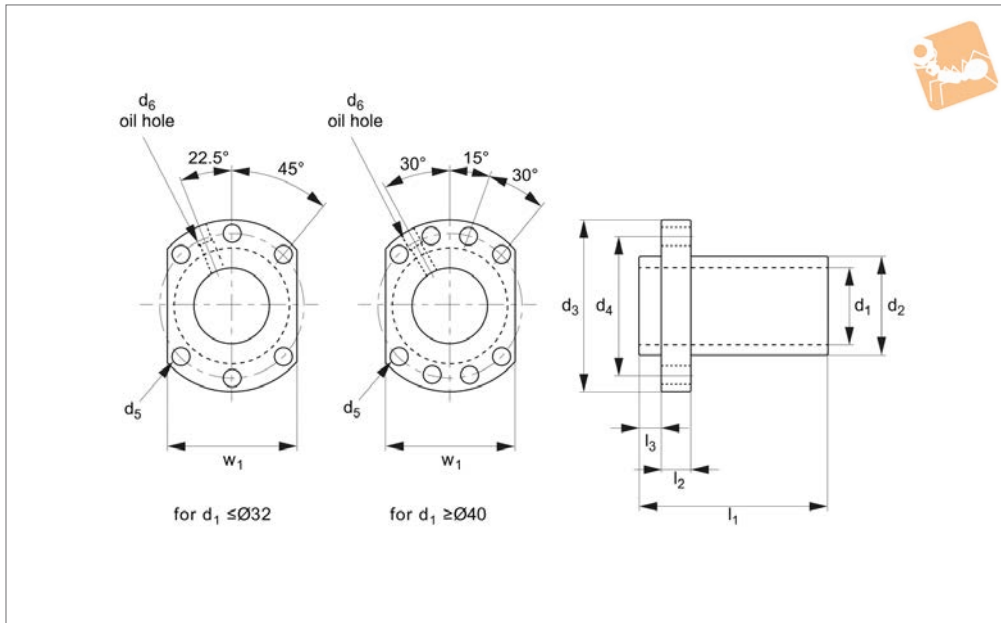
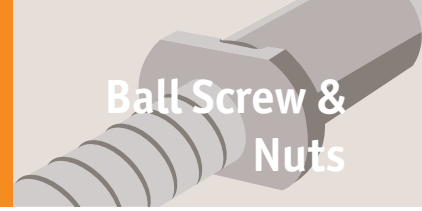
Fit ball nut to screw using the sleeve provided. Offer up the ball nut to the screw and slide carefully on. Do not remove the ball nut from the sleeve provided - the ball bearings can come loose rendering the ball nut unusable.

Order No.	d_1 for screw	Pitch	Type	d_2 tol. G6	$d_3 \pm 0.15$	$d_4 \pm 0.15$	d_5 for	d_6	l_1	l_2	$w_1 \pm 0.15$	Ball dia.	Dyn. load C kN max.	Static load C_0 kN max.	Stiffness N/ μ m
L1370.16-05	16	5	Type 1	28	48	38	M 6	5,5	45	10	40	3,175	13,53	29,92	314
L1370.16-10	16	10	Type 1	28	48	38	M 6	5,5	57	10	40	3,175	10,82	23,55	255
L1370.20-05	20	5	Type 1	36	58	47	M 6	6,6	51	10	44	3,175	15,21	38,00	382
L1370.25-05	25	5	Type 1	40	62	51	M 6	6,6	51	10	48	3,175	16,91	48,09	441
L1370.25-10	25	10	Type 1	40	62	51	M 6	6,6	80	12	48	4,762	28,96	71,54	490
L1370.32-05	32	5	Type 1	50	80	65	M 6	9,0	52	12	62	3,175	18,85	62,21	529
L1370.32-10	32	10	Type 1	50	80	65	M 6	9,0	85	12	62	6,350	47,12	119,72	598
L1370.40-05	40	5	Type 2	63	93	78	M 8	9,0	55	14	70	3,175	20,69	78,34	617
L1370.40-10	40	10	Type 2	63	93	78	M 8	9,0	88	14	70	6,340	52,95	152,00	715
L1370.50-10	50	10	Type 2	75	110	93	M 8	11,0	88	16	85	6,350	58,88	192,35	833
L1370.63-10	63	10	Type 2	90	125	108	M 8	11,0	93	18	95	6,350	65,89	248,68	970
L1370.80-10	80	10	Type 2	105	145	125	M 8	13,5	93	20	110	6,350	72,04	313,36	1068



Centre Flanged Ball Nuts

Ball Screw & Nuts



L1372

BALL SCREW & NUTS

Material

Steel (16MnCr5 or 100Cr6), with Vulkolan seals.

Technical Notes

Produced to DIN 69051 form B.

Axial play for 5mm pitch = 0,05mm; for 10mm pitch = 0,10mm; for multi-starts = 0,20mm.

Preload max. 5% of max. dynamic load.

For axial run-out, concentricity and parallelism figures see technical pages.

With lubrication and fixing holes.

For use with ball screws no. L1375.

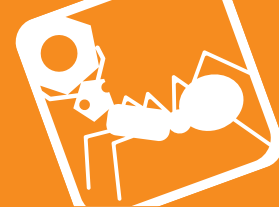
Tips

For miniature ball screws $\text{Ø}6$ to $\text{Ø}14$ see part no. L1379.

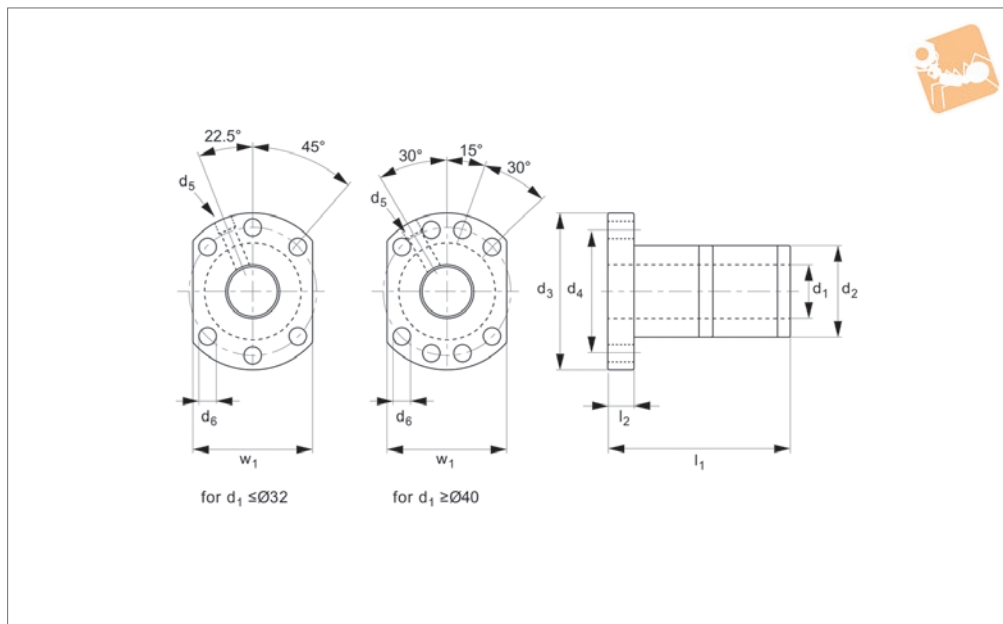
Important Notes

Fit ball nut to screw using the sleeve provided. Offer up the ball nut to the screw and slide carefully on. Do not remove the ball nut from the sleeve provided - the ball bearings can come loose rendering the ball nut unusable.

Order No.	d_1 for screw	Pitch	d_2 tol. G6	d_3	d_4	d_5	d_6	l_1	l_2	l_3	w_1	Ball dia.	Dyn. load C kN max.	Static load C_0 kN max.	Stiffness N/ μ m
L1372.16-16-1.8	15	16	28	48	38	5.5	M 6	43	10	5.0	40	2.78	5.41	11.15	14
L1372.16-16-2.8	15	16	28	48	38	5.5	M 6	59	10	5.0	40	2.78	7.92	17.34	22
L1372.16-20-1.8	15	20	28	48	38	5.5	M 6	50	10	5.0	40	2.78	5.43	11.47	14
L1372.20-10-3.8	20	10	36	58	47	6.6	M 6	52	10	7.0	44	3.18	14.86	37.58	40
L1372.20-20-1.8	20	20	36	58	47	6.6	M 6	52	10	7.0	44	3.18	7.49	17.24	19
L1372.20-20-2.8	20	20	36	58	47	6.6	M 6	72	10	7.0	44	3.18	10.96	26.81	29
L1372.25-25-1.8	25	25	40	62	51	6.6	M 6	60	12	7.0	48	3.18	8.26	21.56	22
L1372.25-25-2.8	25	25	40	62	51	6.6	M 6	85	12	7.0	48	3.18	12.08	33.54	34
L1372.32-20-2.8	31	20	50	80	65	9.0	M 6	72	12	9.0	62	3.97	18.70	53.76	43
L1372.32-32-1.8	31	32	50	80	65	9.0	M 6	78	12	9.0	62	3.97	12.32	33.59	27
L1372.32-32-2.8	31	32	50	80	65	9.0	M 6	110	12	9.0	62	3.97	18.02	52.25	42
L1372.40-20-2.8	38	20	63	93	78	9.0	M 8	78	14	9.0	70	6.35	38.82	105.07	54
L1372.40-40-1.8	38	40	63	93	78	9.0	M 8	96	14	9.0	70	6.35	25.35	65.19	34
L1372.40-40-2.8	38	40	63	93	78	9.0	M 8	136	14	9.0	70	6.35	37.06	101.41	52
L1372.50-20-3.8	48	20	75	110	93	11.0	M 8	98	18	10.5	85	6.35	56.37	181.27	87
L1372.50-50-1.8	48	50	75	110	93	11.0	M 8	117	18	10.5	85	6.35	28.89	85.79	42
L1372.50-50-2.8	48	50	75	110	93	11.0	M 8	167	18	10.5	85	6.35	42.24	133.46	65



L1371



Material

Steel (16MnCr5 or 100Cr6), with Vulkolan seals.

Technical Notes

Axial play for 5mm pitch = 0,05mm; for 10mm pitch = 0,10mm; for multi-starts = 0,20mm.

Preload max. 5% of max. dynamic load.

For axial run-out, concentricity and parallelism figures see technical pages.

With lubrication and fixing holes.

For use with ball screws no. L1375.

Tips

For miniature ball screws Ø6 to Ø14 see part no. L1379.

Important Notes

Fit ball nut to screw using the sleeve provided. Offer up the ball nut to the screw and slide carefully on. Do not remove the ball nut from the sleeve provided - the ball bearings can come loose rendering the ball nut unusable.

Order No.	d ₁ for screw	Pitch	d ₂ tol. G6	d ₃	d ₄	d ₅ for	d ₆	l ₁	l ₂	w ₁ ±0.15	Ball dia.	Dyn. load C kN max.	Static load C ₀ kN max.	Stiffness N/μm
L1371.16-05	16	5	28	48	38	M 6	5.5	100	10	40	3.175	13.53	29.93	431
L1371.20-05	20	5	36	58	47	M 6	6.6	85	10	44	3.175	15.21	38.00	519
L1371.25-05	25	5	40	62	51	M 6	6.6	86	10	48	3.175	16.91	48.09	608
L1371.25-10	25	10	40	62	51	M 6	6.6	130	12	48	4.762	28.96	71.54	657
L1371.32-05	32	5	50	80	65	M 6	9.0	87	12	62	3.175	18.85	62.21	725
L1371.32-10	32	10	50	80	65	M 6	9.0	145	12	62	6.350	47.12	119.72	804
L1371.40-05	40	5	63	93	78	M 8	9.0	90	14	70	3.175	20.69	78.34	853
L1371.40-10	40	10	63	93	78	M 8	9.0	148	14	70	6.350	52.95	152.00	970
L1371.50-10	50	10	75	110	93	M 8	11.0	148	16	85	6.350	58.88	192.35	1147
L1371.63-10	63	10	90	125	108	M 8	11.0	153	18	95	6.350	65.89	248.68	1362
L1371.80-10	80	10	105	145	125	M 8	13.5	153	20	110	6.350	72.04	313.36	1529



When selecting a ball screw some of the main factors to consider are:

- Maximum required travel speed
- Maximum axial compression (buckling load)
- Method of support of the ball screws
- Type of unit required, flanged, cylindrical etc.

In general it is best to support the ball screws with our ball screw support units (L1388 to L1406) with a fixed end (generally where the motor is mounted) and a floating (support) end. The support units are selected to suit the loads likely to be required, the size of the ball screw (especially its core diameter) and the type of mounting required. Details of the machining required for each end of the ball screw are shown in the bearing mounts technical section.

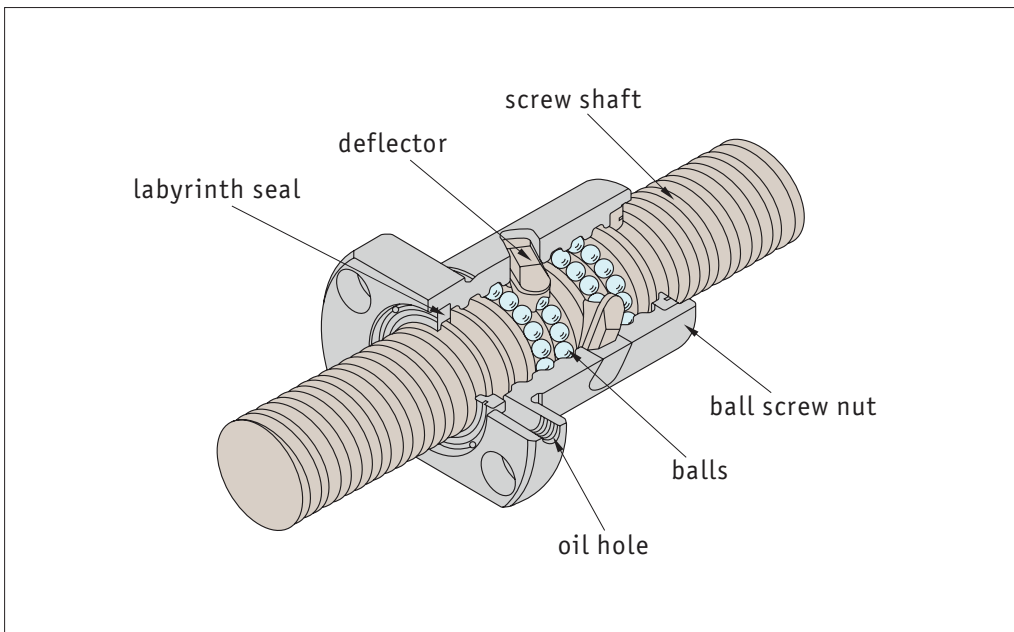
The data table for the ball screws show the diameter, the lead of the ball screw (i.e. how far the nut travels for one complete revolution of the screw) as well as the mass moment of inertia (also known as the rotational moment of inertia) - this is the extent to which an object resists rotational acceleration about its axis.

Maximum speeds and buckling load data are shown in the technical pages.

When using a ball screw the ambient temperature should not exceed +80°C.

During assembly, the parallel alignment of the guides should be ensure.

The details on the concentricity of the ball nuts to the ball screws are shown on the technical pages. For linear guideways for use with ball screws please see our part numbers L1016 etc.



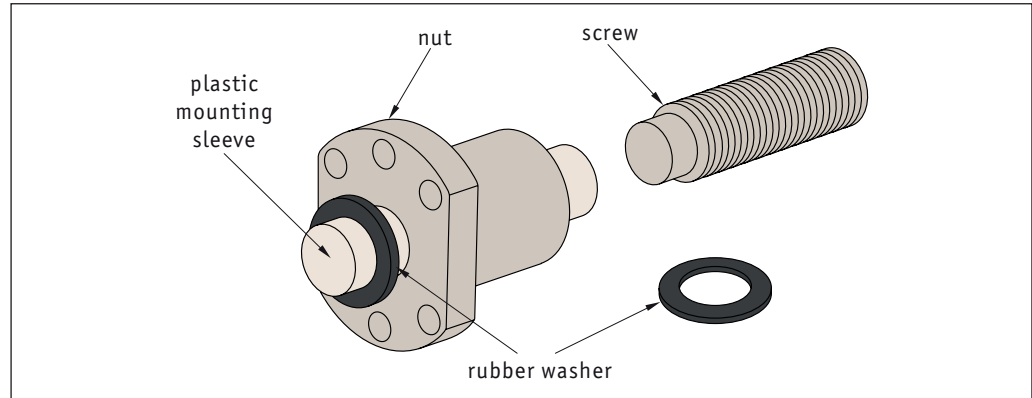
Lubrication - the ball screws must be adequately lubricated. This is dependent on load, speed, motion sequence and temperature. Do not use lubricants containing Mo/So or graphite.



In general, the ball nut is already on the ball screw and should not be removed. If you need to machine the ball screw, then the plastic mounting sleeve should be used to retain the ball bearings whilst the nut is removed.

Mounting the nut on the screw

Sometimes ball screws are delivered with a separate ball nut. When mounting the nut on to the screw take care as if done incorrectly the ball bearings may come off the ball nut.



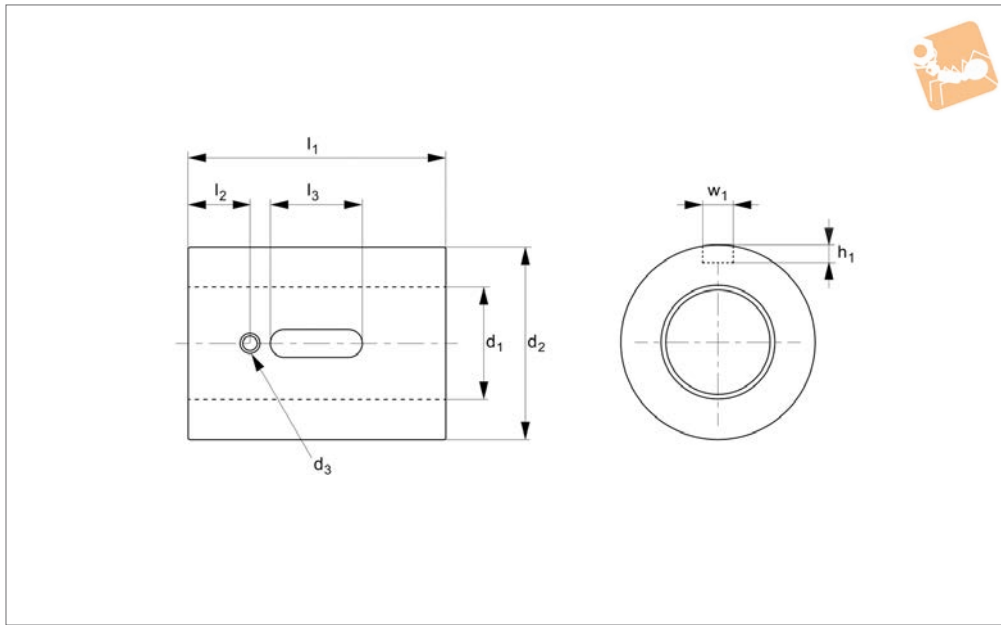
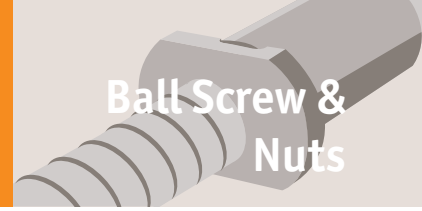
Ball nuts should be mounted only with the help of a plastic mounting sleeve (delivered with the nut). The start of the thread should be aligned so that the seal and the internal parts of the nut are not damaged.

1. Remove the rubber washer from one side of the sleeve. Push on the nut with the sleeve on the end of the screw. Press the sleeve against the start of the screw thread.
2. Screw the nut onto the thread using a slight axial pressure, then screw the nut on for its entire length.
3. Remove the mounting sleeve only when the nut is completely threaded on to the screw.
4. Lock the nut on to the screw (to prevent any unscrewing) using an O ring or similar - whilst installing the system.

If the balls do unfortunately escape...

1. Pick them up (the nut is only compatible with the original balls). The load capacity can still be achieved if one or two balls are missing.
2. Carefully clean all parts, use the sleeve as a mounting jig and replace the balls.
3. Start with the lowest circuit. Insert the balls into the nut circuit - the sleeve prevents the balls from falling out again.
4. Do not place the balls in the empty circuit located between the two deflectors.

If you have any technical queries please call **0333 207 4498**.



L1373

BALL SCREW & NUTS

Material

Steel (16MnCr5 or 100Cr6), with Vulkolan seals.

Technical Notes

Axial play for 5mm pitch = 0,05mm; for 10mm pitch = 0,10mm; for multi-starts = 0,20mm.
Preload max. 5% of max. dynamic load.

For axial run-out, concentricity and parallelism figures see technical pages.
With lubrication and fixing holes.
For use with ball screws no. L1375.

Tips

For miniature ball screws Ø6 to Ø14 see part no. L1379.

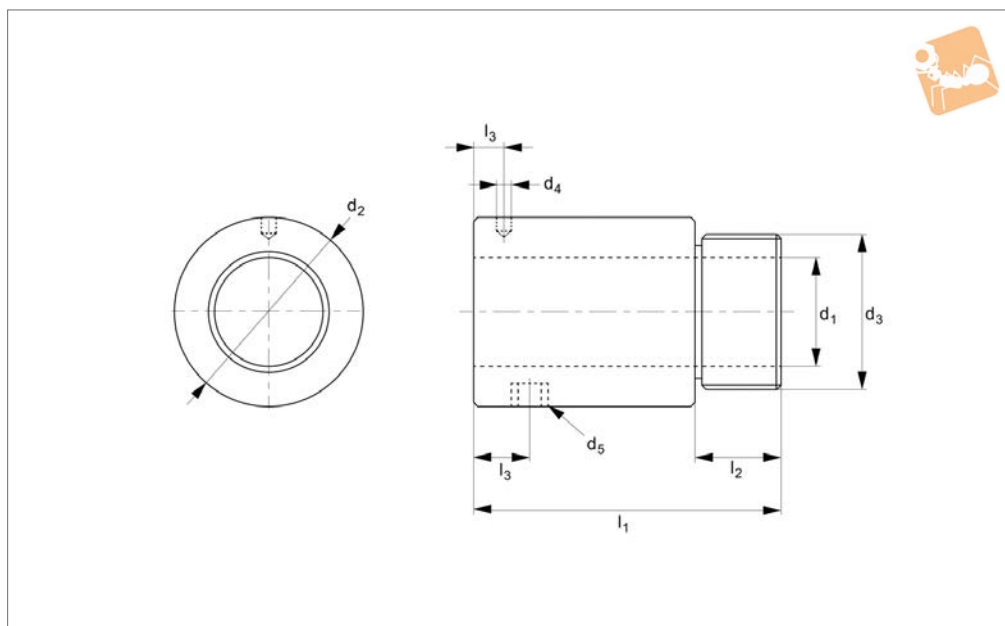
Important Notes

Fit ball nut to screw using the sleeve provided. Offer up the ball nut to the screw and slide carefully on. Do not remove the ball nut from the sleeve provided - the ball bearings can come loose rendering the ball nut unusable.

Order No.	d ₁ for screw	Pitch	d ₂ tol. G6	d ₃	h ₁ ±0.05	l ₁	l ₂	l ₃	w ₁	Ball dia.	Dyn. load C max. kN	Static load C ₀ max. kN	Stiffness N/μm
L1373.016-05	16	5	30	3.5	3	45	9	20	5	3,175	13.53	29.93	324
L1373.020-05	20	5	34	3.5	3	45	9	20	5	3,175	15.21	38.00	382
L1373.025-05	25	5	40	3.5	3	45	9	20	5	3,175	16.91	48.09	441
L1373.025-10	25	10	46	3.5	3	85	13	30	5	4,762	28.97	71.54	500
L1373.032-05	32	5	46	3.5	3	45	9	20	5	3,175	18.84	62.20	510
L1373.032-10	32	10	54	3.5	3	85	13	30	5	6,350	47.12	119.72	608
L1373.040-05	40	5	56	3.5	3	45	9	20	5	3,175	20.69	78.33	579
L1373.040-10	40	10	62	3.5	3	85	13	30	5	6,350	52.95	152.00	706



L1374



Material

Steel (16MnCr5 or 100Cr6), with Vulkolan seals.

Technical Notes

Axial play for 5mm pitch = 0,05mm; for 10mm pitch = 0,10mm; for multi-starts = 0,20mm.

Preload max. 5% of max. dynamic load.

For axial run-out, concentricity and parallelism figures see technical pages.

With lubrication and fixing holes.

For use with ball screws no. L1375.

Tips

For miniature ball screws Ø6 to Ø14 see part no. L1379.

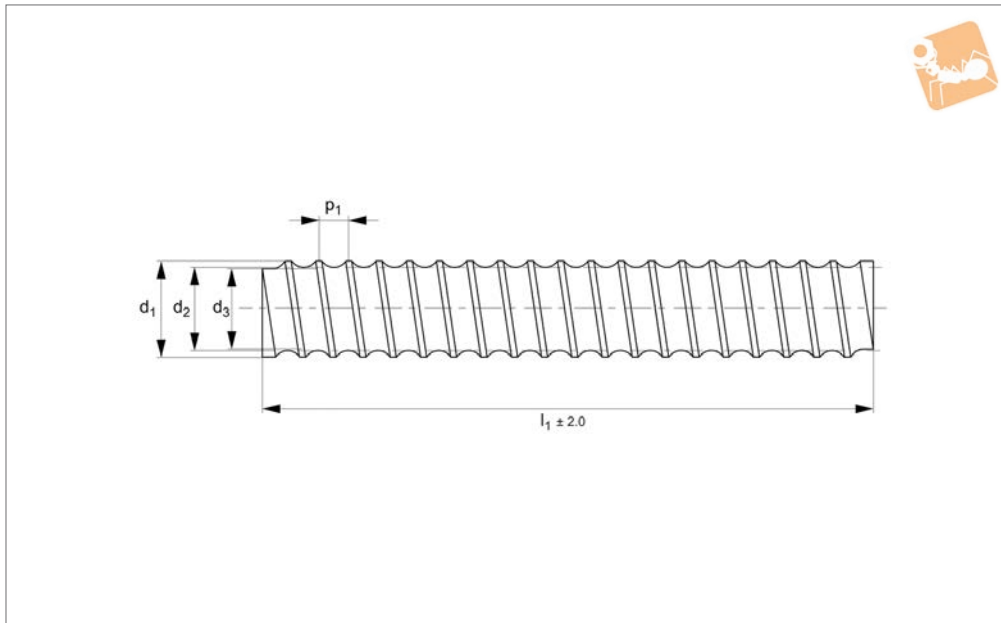
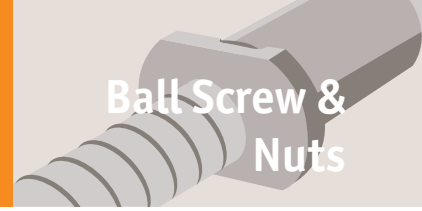
Important Notes

Fit ball nut to screw using the sleeve provided. Offer up the ball nut to the screw and slide carefully on. Do not remove the ball nut from the sleeve provided - the ball bearings can come loose rendering the ball nut unusable.

Order No.	d ₁ for screw	Pitch	d ₂ tol. G6	d ₃	d ₄	d ₅	l ₁ ±0.15	l ₂	l ₃	l ₄	No. of circuits	Ball dia.	Dyn. load C kN max.	Static load C ₀ kN max.	Stiffness N/µm
L1374.16-05	16	5	32,5	M26x1,5P	3,0		42	12	19,25		3x1	3,175	10,56	22,44	245
L1374.16-10	16	10	32,0	M26x1,5P	4,0	M 4	50	12	3,00	3	2x1	3,175	6,61	11,09	245
L1374.20-05	20	5	38,0	M35x1,5P	3,0		45	15	20,30		3x1	3,175	11,87	28,49	294
L1374.25-05	25	5	43,0	M40x1,5P	3,0	M 6	69	19	32,11	8	4x1	3,175	16,90	48,08	363
L1374.25-10	25	10	43,0	M40x1,5P	6,0	M 6	84	19	8,00	8	4x1	3,175	28,96	71,53	363



Ø 16 Ball Screws rolled



L1375.16

BALL SCREW & NUTS

Material

Steel (CF53 or C55R), induction hardened to 60 HRC ± 2 , polished.

Technical Notes

Gothic profile with a 5 or 10mm lead. Tolerance T7 - 50 μ /300mm. Shorter lengths or longer lengths up to a maximum

of 3000mm available.

For ball screw nuts see parts L1370-L1374 & L1377.

For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request.

Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

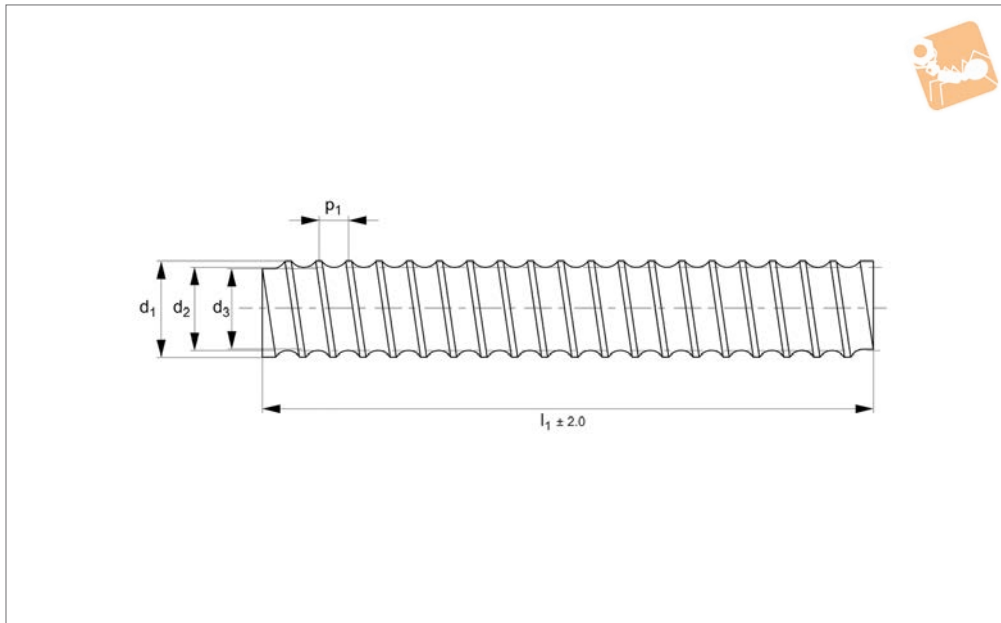
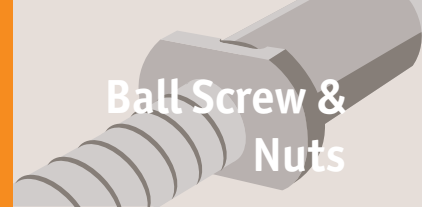
Order No.	Screw dia. x lead	Lead	d ₁	d ₂	d ₃	l ₁	Mass moment of inertia kg·m ²	Weight kg
L1375.16-05-0500	16x 5	5	17.08	16	13.90	500	4,45x10 ⁻⁵	0.71
L1375.16-05-0600	16x 5	5	17.08	16	13.90	600	4,45x10 ⁻⁵	0.85
L1375.16-05-0800	16x 5	5	17.08	16	13.90	800	4,45x10 ⁻⁵	1.13
L1375.16-05-1000	16x 5	5	17.08	16	13.90	1000	4,45x10 ⁻⁵	1.41
L1375.16-05-1500	16x 5	5	17.08	16	13.90	1500	4,45x10 ⁻⁵	2.12
L1375.16-05-2000	16x 5	5	17.08	16	13.90	2000	4,45x10 ⁻⁵	2.82
L1375.16-05-2500	16x 5	5	17.08	16	13.90	2500	4,45x10 ⁻⁵	3.53
L1375.16-05-3000	16x 5	5	17.08	16	13.90	3000	4,45x10 ⁻⁵	4.23
L1375.16-10-0500	16x10	10	17.08	16	12.90	500	4,36x10 ⁻⁵	0.73
L1375.16-10-0600	16x10	10	17.08	16	12.90	600	4,36x10 ⁻⁵	0.88
L1375.16-10-0800	16x10	10	17.08	16	12.90	800	4,36x10 ⁻⁵	1.17
L1375.16-10-1000	16x10	10	17.08	16	12.90	1000	4,36x10 ⁻⁵	1.46
L1375.16-10-1500	16x10	10	17.08	16	12.90	1500	4,36x10 ⁻⁵	2.19
L1375.16-10-2000	16x10	10	17.08	16	12.90	2000	4,36x10 ⁻⁵	2.92
L1375.16-10-2500	16x10	10	17.08	16	12.90	2500	4,36x10 ⁻⁵	3.65
L1375.16-10-3000	16x10	10	17.08	16	12.90	3000	4,36x10 ⁻⁵	4.38
L1375.16-16-0500	16x16	16	17.08	16	12.90	500	4,36x10 ⁻⁵	0.73
L1375.16-16-0600	16x16	16	17.08	16	12.90	600	4,36x10 ⁻⁵	0.88
L1375.16-16-0800	16x16	16	17.08	16	12.90	800	4,36x10 ⁻⁵	1.17
L1375.16-16-1000	16x16	16	17.08	16	12.90	1000	4,36x10 ⁻⁵	1.46
L1375.16-16-1500	16x16	16	17.08	16	12.90	1500	4,36x10 ⁻⁵	2.19
L1375.16-16-2000	16x16	16	17.08	16	12.90	2000	4,36x10 ⁻⁵	2.92
L1375.16-16-2500	16x16	16	17.08	16	12.90	2500	4,36x10 ⁻⁵	3.65
L1375.16-16-3000	16x16	16	17.08	16	12.90	3000	4,36x10 ⁻⁵	4.38
L1375.16-20-0500	16x20	20	17.08	16	12.90	500	4,36x10 ⁻⁵	0.73
L1375.16-20-0600	16x20	20	17.08	16	12.90	600	4,36x10 ⁻⁵	0.88
L1375.16-20-0800	16x20	20	17.08	16	12.90	800	4,36x10 ⁻⁵	1.17
L1375.16-20-1000	16x20	20	17.08	16	12.90	1000	4,36x10 ⁻⁵	1.46
L1375.16-20-1500	16x20	20	17.08	16	12.90	1500	4,36x10 ⁻⁵	2.19
L1375.16-20-2000	16x20	20	17.08	16	12.90	2000	4,36x10 ⁻⁵	2.92



Order No.	Screw dia. x lead	Lead	d ₁	d ₂	d ₃	l ₁	Mass moment of inertia kg·m ²	Weight kg
L1375.16-20-2500	16x20	20	17.08	16	12.90	2500	4,36x10 ⁻⁵	3.65
L1375.16-20-3000	16x20	20	17.08	16	12.90	3000	4,36x10 ⁻⁵	4.38
L1375.16-32-0500	16x32	32	17.08	16	12.90	500	4,36x10 ⁻⁵	0.73
L1375.16-32-0600	16x32	32	17.08	16	12.90	600	4,36x10 ⁻⁵	0.88
L1375.16-32-0800	16x32	32	17.08	16	12.90	800	4,36x10 ⁻⁵	1.17
L1375.16-32-1000	16x32	32	17.08	16	12.90	1000	4,36x10 ⁻⁵	1.46
L1375.16-32-1500	16x32	32	17.08	16	12.90	1500	4,36x10 ⁻⁵	2.19
L1375.16-32-2000	16x32	32	17.08	16	12.90	2000	4,36x10 ⁻⁵	2.92
L1375.16-32-2500	16x32	32	17.08	16	12.90	2500	4,36x10 ⁻⁵	3.65
L1375.16-32-3000	16x32	32	17.08	16	12.90	3000	4,36x10 ⁻⁵	4.38



Ø 20 Ball Screws rolled



L1375.20

BALL SCREW & NUTS

Material

Steel (CF53 or C55R), induction hardened to 60 HRC ± 2 , polished.

Technical Notes

Gothic profile with a 5, 20 or 50mm lead. Tolerance T7 - 50 μ /300mm. Shorter lengths or longer lengths up to a maximum of 3000mm available.

For ball screw nuts see parts L1370-L1374 & L1377.

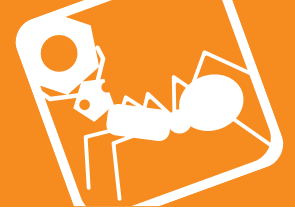
For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request.

Also available as a left hand thread for 5mm pitch.

Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

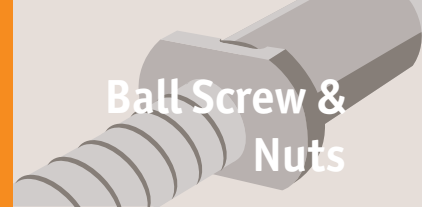
Order No.	Screw dia. x lead	Lead w_1	d_1	d_2	d_3	l_1	Mass moment of inertia $kg \cdot m^2$	Weight kg
L1375.20-05-0500	20x 5	5	21.08	20	17.9	500	$1,12 \times 10^{-4}$	1.18
L1375.20-05-0600	20x 5	5	21.08	20	17.9	600	$1,12 \times 10^{-4}$	1.41
L1375.20-05-0800	20x 5	5	21.08	20	17.9	800	$1,12 \times 10^{-4}$	1.88
L1375.20-05-1000	20x 5	5	21.08	20	17.9	1000	$1,12 \times 10^{-4}$	2.35
L1375.20-05-1500	20x 5	5	21.08	20	17.9	1500	$1,12 \times 10^{-4}$	3.53
L1375.20-05-2000	20x 5	5	21.08	20	17.9	2000	$1,12 \times 10^{-4}$	4.70
L1375.20-05-2500	20x 5	5	21.08	20	17.9	2500	$1,12 \times 10^{-4}$	5.88
L1375.20-05-3000	20x 5	5	21.08	20	17.9	3000	$1,12 \times 10^{-4}$	7.05
L1375.20-10-0500	20x10	10	21.08	10	17.9	500	$1,18 \times 10^{-4}$	1.21
L1375.20-10-0600	20x10	10	21.08	10	17.9	600	$1,18 \times 10^{-4}$	1.45
L1375.20-10-0800	20x10	10	21.08	10	17.9	800	$1,18 \times 10^{-4}$	1.93
L1375.20-10-1000	20x10	10	21.08	10	17.9	1000	$1,18 \times 10^{-4}$	2.41
L1375.20-10-1500	20x10	10	21.08	10	17.9	1500	$1,18 \times 10^{-4}$	3.62
L1375.20-10-2000	20x10	10	21.08	10	17.9	2000	$1,18 \times 10^{-4}$	4.82
L1375.20-10-2500	20x10	10	21.08	10	17.9	2500	$1,18 \times 10^{-4}$	6.03
L1375.20-10-3000	20x10	10	21.08	10	17.9	3000	$1,18 \times 10^{-4}$	7.23
L1375.20-20-0500	20x20	20	20.76	20	17.6	500	$1,00 \times 10^{-4}$	1.11
L1375.20-20-0600	20x20	20	20.76	20	17.6	600	$1,00 \times 10^{-4}$	1.33
L1375.20-20-0800	20x20	20	20.76	20	17.6	800	$1,00 \times 10^{-4}$	1.77
L1375.20-20-1000	20x20	20	20.76	20	17.6	1000	$1,00 \times 10^{-4}$	2.21
L1375.20-20-1500	20x20	20	20.76	20	17.6	1500	$1,00 \times 10^{-4}$	3.32
L1375.20-20-2000	20x20	20	20.76	20	17.6	2000	$1,00 \times 10^{-4}$	4.42
L1375.20-20-2500	20x20	20	20.76	20	17.6	2500	$1,00 \times 10^{-4}$	5.53
L1375.20-20-3000	20x20	20	20.76	20	17.6	3000	$1,00 \times 10^{-4}$	6.63
L1375.20-40-0500	20x40	40	20.76	20	17.6	500	$1,00 \times 10^{-4}$	1.11
L1375.20-40-0600	20x40	40	20.76	20	17.6	600	$1,00 \times 10^{-4}$	1.33
L1375.20-40-0800	20x40	40	20.76	20	17.6	800	$1,00 \times 10^{-4}$	1.77
L1375.20-40-1000	20x40	40	20.76	20	17.6	1000	$1,00 \times 10^{-4}$	2.21
L1375.20-40-1500	20x40	40	20.76	20	17.6	1500	$1,00 \times 10^{-4}$	3.32



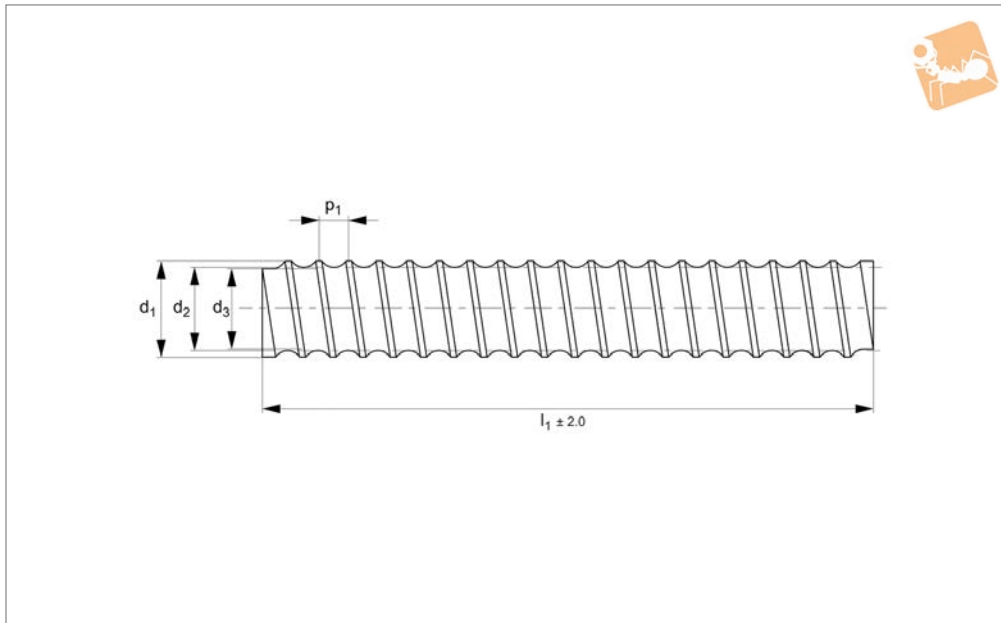
Order No.	Screw dia. x lead	Lead w_1	d_1	d_2	d_3	l_1	Mass moment of inertia $\text{kg}\cdot\text{m}^2$	Weight kg
L1375.20-40-2000	20x40	40	20.76	20	17.6	2000	$1,00 \times 10^{-4}$	4.42
L1375.20-40-2500	20x40	40	20.76	20	17.6	2500	$1,00 \times 10^{-4}$	5.53
L1375.20-40-3000	20x40	40	20.76	20	17.6	3000	$1,00 \times 10^{-4}$	6.63



Ø 25 Ball Screws rolled



Ball Screw & Nuts



L1375.25

BALL SCREW & NUTS

Material

Steel (CF53 or C55R), induction hardened to 60 HRC ± 2 , polished.

Technical Notes

Gothic profile with a 5, 10 or 2mm lead. Tolerance T7 - 50 μ /300mm. Shorter lengths or longer lengths up to a maximum

of 6000mm available.

For ball screw nuts see parts L1370-L1374 & L1377.

For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request.

Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

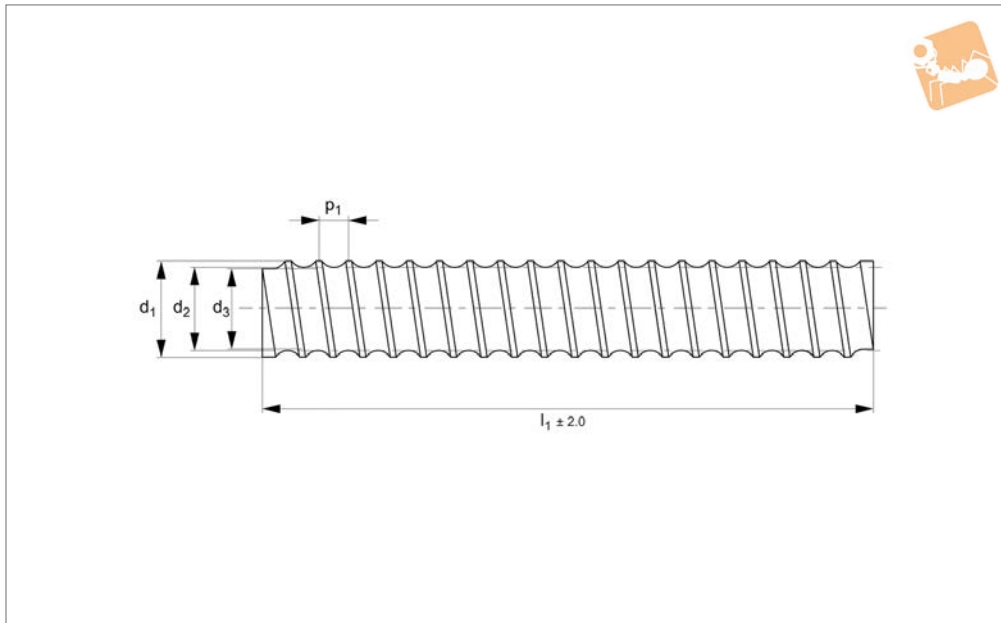
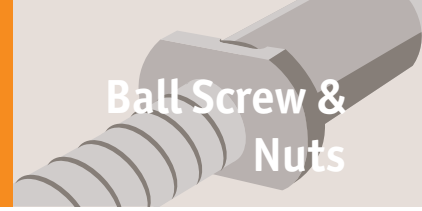
Order No.	Screw dia. x lead	Lead w_1	d_1	d_2	d_3	l_1	Mass moment of inertia $kg \cdot m^2$	Weight kg
L1375.25-05-0500	25x 5	5	26.08	25	22.9	500	$2,62 \times 10^{-4}$	1.80
L1375.25-05-0600	25x 5	5	26.08	25	22.9	600	$2,62 \times 10^{-4}$	2.15
L1375.25-05-0800	25x 5	5	26.08	25	22.9	800	$2,62 \times 10^{-4}$	2.87
L1375.25-05-1000	25x 5	5	26.08	25	22.9	1000	$2,62 \times 10^{-4}$	3.59
L1375.25-05-1500	25x 5	5	26.08	25	22.9	1500	$2,62 \times 10^{-4}$	5.39
L1375.25-05-2000	25x 5	5	26.08	25	22.9	2000	$2,62 \times 10^{-4}$	7.18
L1375.25-05-2500	25x 5	5	26.08	25	22.9	2500	$2,62 \times 10^{-4}$	8.98
L1375.25-05-3000	25x 5	5	26.08	25	22.9	3000	$2,62 \times 10^{-4}$	10.77
L1375.25-05-3500	25x 5	5	26.08	25	22.9	3500	$2,62 \times 10^{-4}$	2.87
L1375.25-05-4000	25x 5	5	26.08	25	22.9	4000	$2,62 \times 10^{-4}$	3.59
L1375.25-05-4500	25x 5	5	26.08	25	22.9	4500	$2,62 \times 10^{-4}$	5.39
L1375.25-05-5000	25x 5	5	26.08	25	22.9	5000	$2,62 \times 10^{-4}$	7.18
L1375.25-05-5500	25x 5	5	26.08	25	22.9	5500	$2,62 \times 10^{-4}$	8.98
L1375.25-05-6000	25x 5	5	26.08	25	22.9	6000	$2,62 \times 10^{-4}$	10.77
L1375.25-10-0500	25x10	10	27.15	25	20.8	500	$2,94 \times 10^{-4}$	1.91
L1375.25-10-0600	25x10	10	27.15	25	20.8	600	$2,94 \times 10^{-4}$	2.29
L1375.25-10-0800	25x10	10	27.15	25	20.8	800	$2,94 \times 10^{-4}$	3.05
L1375.25-10-1000	25x10	10	27.15	25	20.8	1000	$2,94 \times 10^{-4}$	3.81
L1375.25-10-1500	25x10	10	27.15	25	20.8	1500	$2,94 \times 10^{-4}$	5.72
L1375.25-10-2000	25x10	10	27.15	25	20.8	2000	$2,94 \times 10^{-4}$	7.62
L1375.25-10-2500	25x10	10	27.15	25	20.8	2500	$2,94 \times 10^{-4}$	9.53
L1375.25-10-3000	25x10	10	27.15	25	20.8	3000	$2,94 \times 10^{-4}$	11.43
L1375.25-10-3500	25x10	10	26.08	25	22.9	3500	$2,62 \times 10^{-4}$	2.87
L1375.25-10-4000	25x10	10	26.08	25	22.9	4000	$2,62 \times 10^{-4}$	3.59
L1375.25-10-4500	25x10	10	26.08	25	22.9	4500	$2,62 \times 10^{-4}$	5.39
L1375.25-10-5000	25x10	10	26.08	25	22.9	5000	$2,62 \times 10^{-4}$	7.18
L1375.25-10-5500	25x10	10	26.08	25	22.9	5500	$2,62 \times 10^{-4}$	8.98
L1375.25-10-6000	25x10	10	26.08	25	22.9	6000	$2,62 \times 10^{-4}$	10.77
L1375.25-25-0500	25x25	25	26.09	25	22.9	500	$2,60 \times 10^{-4}$	1.82
L1375.25-25-0600	25x25	25	26.09	25	22.9	600	$2,60 \times 10^{-4}$	2.18



Order No.	Screw dia. x lead	Lead w_1	d_1	d_2	d_3	l_1	Mass moment of inertia kg·m ²	Weight kg
L1375.25-25-0800	25x25	25	26.09	25	22.9	800	2,60x10 ⁻⁴	2.91
L1375.25-25-1000	25x25	25	26.09	25	22.9	1000	2,60x10 ⁻⁴	3.64
L1375.25-25-1500	25x25	25	26.09	25	22.9	1500	2,60x10 ⁻⁴	5.46
L1375.25-25-2000	25x25	25	26.09	25	22.9	2000	2,60x10 ⁻⁴	7.28
L1375.25-25-2500	25x25	25	26.09	25	22.9	2500	2,60x10 ⁻⁴	9.10
L1375.25-25-3000	25x25	25	26.09	25	22.9	3000	2,60x10 ⁻⁴	10.92
L1375.25-25-3500	25x25	25	26.08	25	22.9	3500	2,62x10 ⁻⁴	2.87
L1375.25-25-4000	25x25	25	26.08	25	22.9	4000	2,62x10 ⁻⁴	3.59
L1375.25-25-4500	25x25	25	26.08	25	22.9	4500	2,62x10 ⁻⁴	5.39
L1375.25-25-5000	25x25	25	26.08	25	22.9	5000	2,62x10 ⁻⁴	7.18
L1375.25-25-5500	25x25	25	26.08	25	22.9	5500	2,62x10 ⁻⁴	8.98
L1375.25-25-6000	25x25	25	26.08	25	22.9	6000	2,62x10 ⁻⁴	10.77
L1375.25-50-0500	25x50	50	26.09	25	22.9	500	2,60x10 ⁻⁴	1.82
L1375.25-50-0600	25x50	50	26.09	25	22.9	600	2,60x10 ⁻⁴	2.18
L1375.25-50-0800	25x50	50	26.09	25	22.9	800	2,60x10 ⁻⁴	2.91
L1375.25-50-1000	25x50	50	26.09	25	22.9	1000	2,60x10 ⁻⁴	3.64
L1375.25-50-1500	25x50	50	26.09	25	22.9	1500	2,60x10 ⁻⁴	5.46
L1375.25-50-2000	25x50	50	26.09	25	22.9	2000	2,60x10 ⁻⁴	7.28
L1375.25-50-2500	25x50	50	26.09	25	22.9	2500	2,60x10 ⁻⁴	9.10
L1375.25-50-3000	25x50	50	26.09	25	22.9	3000	2,60x10 ⁻⁴	10.92
L1375.25-50-3500	25x50	50	26.08	25	22.9	3500	2,62x10 ⁻⁴	2.87
L1375.25-50-4000	25x50	50	26.08	25	22.9	4000	2,62x10 ⁻⁴	3.59
L1375.25-50-4500	25x50	50	26.08	25	22.9	4500	2,62x10 ⁻⁴	5.39
L1375.25-50-5000	25x50	50	26.08	25	22.9	5000	2,62x10 ⁻⁴	7.18
L1375.25-50-5500	25x50	50	26.08	25	22.9	5500	2,62x10 ⁻⁴	8.98
L1375.25-50-6000	25x50	50	26.08	25	22.9	6000	2,62x10 ⁻⁴	10.77



Ø 32 Ball Screws rolled



L1375.32

BALL SCREW & NUTS

Material

Steel (CF53 or C55R), induction hardened to 60 HRC ± 2 , polished.

Technical Notes

Gothic profile with a 5, 10, 20 or 40mm lead.

Tolerance T7 - 50 μ /300mm. Shorter lengths or longer lengths up to a maximum

of 6000mm available.

For ball screw nuts see parts L1370-L1374 & L1377.

For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request.

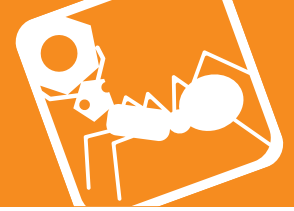
Also available as a left hand thread for

5mm pitch.

Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

Order No.	Screw dia. x lead	Lead w_1	d_1	d_2	d_3	l_1	Mass moment of inertia $kg \cdot m^2$	Weight kg
L1375.32-05-0500	32x 5	5	33.08	32	29.90	500	$7,25 \times 10^{-4}$	2.99
L1375.32-05-0600	32x 5	5	33.08	32	29.90	600	$7,25 \times 10^{-4}$	3.59
L1375.32-05-0800	32x 5	5	33.08	32	29.90	800	$7,25 \times 10^{-4}$	4.78
L1375.32-05-1000	32x 5	5	33.08	32	29.90	1000	$7,25 \times 10^{-4}$	5.98
L1375.32-05-1500	32x 5	5	33.08	32	29.90	1500	$7,25 \times 10^{-4}$	8.97
L1375.32-05-2000	32x 5	5	33.08	32	29.90	2000	$7,25 \times 10^{-4}$	11.96
L1375.32-05-2500	32x 5	5	33.08	32	29.90	2500	$7,25 \times 10^{-4}$	14.95
L1375.32-05-3000	32x 5	5	33.08	32	29.90	3000	$7,25 \times 10^{-4}$	17.94
L1375.32-05-3500	32x 5	5	33.08	32	29.90	3500	$7,25 \times 10^{-4}$	4.78
L1375.32-05-4000	32x 5	5	33.08	32	29.90	4000	$7,25 \times 10^{-4}$	5.98
L1375.32-05-4500	32x 5	5	33.08	32	29.90	4500	$7,25 \times 10^{-4}$	8.97
L1375.32-05-5000	32x 5	5	33.08	32	29.90	5000	$7,25 \times 10^{-4}$	11.96
L1375.32-05-5500	32x 5	5	33.08	32	29.90	5500	$7,25 \times 10^{-4}$	14.95
L1375.32-05-6000	32x 5	5	33.08	32	29.90	6000	$7,25 \times 10^{-4}$	14.95
L1375.32-10-0500	32x10	10	34.15	32	27.80	500	$7,69 \times 10^{-4}$	3.08
L1375.32-10-0600	32x10	10	34.15	32	27.80	600	$7,69 \times 10^{-4}$	3.70
L1375.32-10-0800	32x10	10	34.15	32	27.80	800	$7,69 \times 10^{-4}$	4.93
L1375.32-10-1000	32x10	10	34.15	32	27.80	1000	$7,69 \times 10^{-4}$	6.16
L1375.32-10-1500	32x10	10	34.15	32	27.80	1500	$7,69 \times 10^{-4}$	9.24
L1375.32-10-2000	32x10	10	34.15	32	27.80	2000	$7,69 \times 10^{-4}$	12.32
L1375.32-10-2500	32x10	10	34.15	32	27.80	2500	$7,69 \times 10^{-4}$	15.40
L1375.32-10-3000	32x10	10	34.15	32	27.80	3000	$7,69 \times 10^{-4}$	18.48
L1375.32-10-3500	32x10	10	33.08	32	29.90	3500	$7,25 \times 10^{-4}$	4.78
L1375.32-10-4000	32x10	10	33.08	32	29.90	4000	$7,25 \times 10^{-4}$	5.98
L1375.32-10-4500	32x10	10	33.08	32	29.90	4500	$7,25 \times 10^{-4}$	8.97
L1375.32-10-5000	32x10	10	33.08	32	29.90	5000	$7,25 \times 10^{-4}$	11.96
L1375.32-10-5500	32x10	10	33.08	32	29.90	5500	$7,25 \times 10^{-4}$	14.95
L1375.32-10-6000	32x10	10	33.08	32	29.90	6000	$7,25 \times 10^{-4}$	14.95
L1375.32-20-0500	32x20	20	33.35	32	29.38	500	$7,76 \times 10^{-4}$	3.19

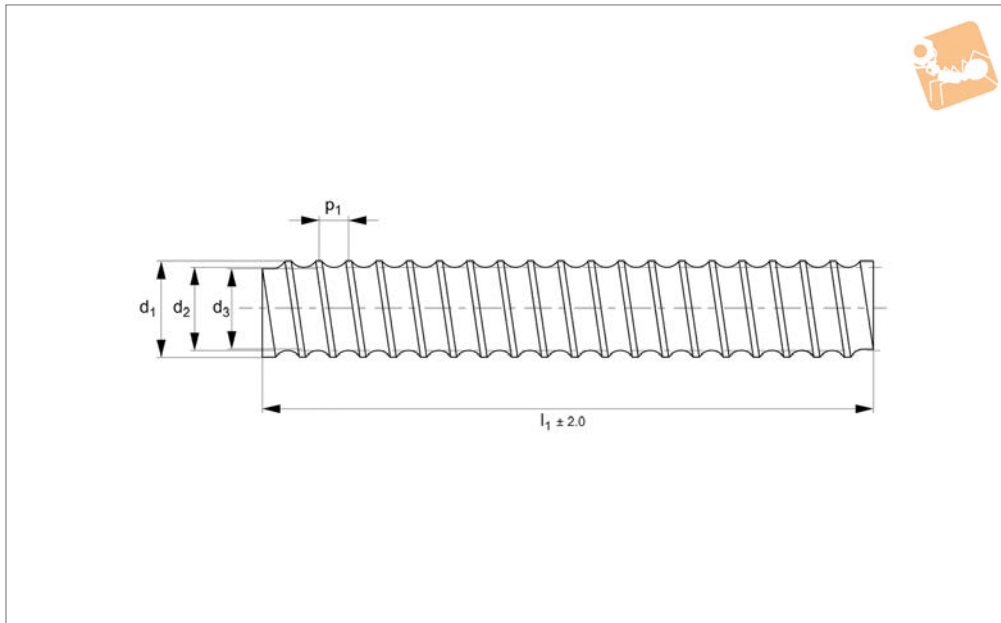
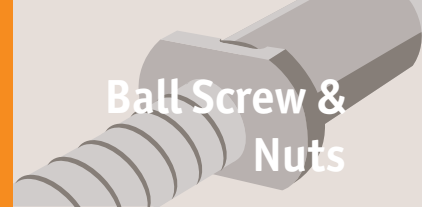


Order No.	Screw dia. x lead	Lead w_1	d_1	d_2	d_3	l_1	Mass moment of inertia $kg \cdot m^2$	Weight kg
L1375.32-20-0600	32x20	20	33.35	32	29.38	600	$7,76 \times 10^{-4}$	3.82
L1375.32-20-0800	32x20	20	33.35	32	29.38	800	$7,76 \times 10^{-4}$	5.10
L1375.32-20-1000	32x20	20	33.35	32	29.38	1000	$7,76 \times 10^{-4}$	6.37
L1375.32-20-1500	32x20	20	33.35	32	29.38	1500	$7,76 \times 10^{-4}$	9.56
L1375.32-20-2000	32x20	20	33.35	32	29.38	2000	$7,76 \times 10^{-4}$	12.74
L1375.32-20-2500	32x20	20	33.35	32	29.38	2500	$7,76 \times 10^{-4}$	15.93
L1375.32-20-3000	32x20	20	33.35	32	29.38	3000	$7,76 \times 10^{-4}$	19.11
L1375.32-20-3500	32x20	20	33.08	32	29.90	3500	$7,25 \times 10^{-4}$	4.78
L1375.32-20-4000	32x20	20	33.08	32	29.90	4000	$7,25 \times 10^{-4}$	5.98
L1375.32-20-4500	32x20	20	33.08	32	29.90	4500	$7,25 \times 10^{-4}$	8.97
L1375.32-20-5000	32x20	20	33.08	32	29.90	5000	$7,25 \times 10^{-4}$	11.96
L1375.32-20-5500	32x20	20	33.08	32	29.90	5500	$7,25 \times 10^{-4}$	14.95
L1375.32-20-6000	32x20	20	33.08	32	29.90	6000	$7,25 \times 10^{-4}$	14.95
L1375.32-32-0500	32x32	32	32.35	32	28.40	500	$6,89 \times 10^{-4}$	2.91
L1375.32-32-0600	32x32	32	32.35	32	28.40	600	$6,89 \times 10^{-4}$	3.49
L1375.32-32-0800	32x32	32	32.35	32	28.40	800	$6,89 \times 10^{-4}$	4.65
L1375.32-32-1000	32x32	32	32.35	32	28.40	1000	$6,89 \times 10^{-4}$	5.81
L1375.32-32-1500	32x32	32	32.35	32	28.40	1500	$6,89 \times 10^{-4}$	8.72
L1375.32-32-2000	32x32	32	32.35	32	28.40	2000	$6,89 \times 10^{-4}$	11.62
L1375.32-32-2500	32x32	32	32.35	32	28.40	2500	$6,89 \times 10^{-4}$	14.53
L1375.32-32-3000	32x32	32	32.35	32	28.40	3000	$6,89 \times 10^{-4}$	17.43
L1375.32-32-3500	32x32	32	32.35	32	28.40	3500	$6,89 \times 10^{-4}$	4.65
L1375.32-32-4000	32x32	32	32.35	32	28.40	4000	$6,89 \times 10^{-4}$	5.81
L1375.32-32-4500	32x32	32	32.35	32	28.40	4500	$6,89 \times 10^{-4}$	8.72
L1375.32-32-5000	32x32	32	32.35	32	28.40	5000	$6,89 \times 10^{-4}$	11.62
L1375.32-32-5500	32x32	32	32.35	32	28.40	5500	$6,89 \times 10^{-4}$	14.53
L1375.32-32-6000	32x32	32	32.35	32	28.40	6000	$6,89 \times 10^{-4}$	17.43
L1375.32-64-0500	32x64	64	32.35	32	28.40	500	$6,89 \times 10^{-4}$	2.91
L1375.32-64-0600	32x64	64	32.35	32	28.40	600	$6,89 \times 10^{-4}$	3.49
L1375.32-64-0800	32x64	64	32.35	32	28.40	800	$6,89 \times 10^{-4}$	4.65
L1375.32-64-1000	32x64	64	32.35	32	28.40	1000	$6,89 \times 10^{-4}$	5.81
L1375.32-64-1500	32x64	64	32.35	32	28.40	1500	$6,89 \times 10^{-4}$	8.72
L1375.32-64-2000	32x64	64	32.35	32	28.40	2000	$6,89 \times 10^{-4}$	11.62
L1375.32-64-2500	32x64	64	32.35	32	28.40	2500	$6,89 \times 10^{-4}$	14.53
L1375.32-64-3000	32x64	64	32.35	32	28.40	3000	$6,89 \times 10^{-4}$	17.43
L1375.32-64-3500	32x64	64	32.35	32	28.40	3500	$6,89 \times 10^{-4}$	4.65
L1375.32-64-4000	32x64	64	32.35	32	28.40	4000	$6,89 \times 10^{-4}$	5.81
L1375.32-64-4500	32x64	64	32.35	32	28.40	4500	$6,89 \times 10^{-4}$	8.72
L1375.32-64-5000	32x64	64	32.35	32	28.40	5000	$6,89 \times 10^{-4}$	11.62
L1375.32-64-5500	32x64	64	32.35	32	28.40	5500	$6,89 \times 10^{-4}$	14.53
L1375.32-64-6000	32x64	64	32.35	32	28.40	6000	$6,89 \times 10^{-4}$	17.43



Ø 40 Ball Screws rolled

Ball Screw & Nuts



L1375.40

BALL SCREW & NUTS

Material

Steel (CF53 or C55R), induction hardened to 60 HRC ± 2 , polished.

Technical Notes

Gothic profile with a 5, 10 or 20mm lead. Tolerance T7 - 50 μ /300mm. Shorter lengths or longer lengths up to a maximum

of 6000mm available.

For ball screw nuts see parts L1370-L1374 & L1377.

For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request.

Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

Order No.	Screw dia. x lead	Lead w_1	d_1	d_2	d_3	l_1	Mass moment of inertia $kg \cdot m^2$	Weight kg
L1375.40-05-0500	40x 5	5	41.08	40	37.9	500	$1,81 \times 10^{-3}$	4.72
L1375.40-05-0600	40x 5	5	41.08	40	37.9	600	$1,81 \times 10^{-3}$	5.66
L1375.40-05-0800	40x 5	5	41.08	40	37.9	800	$1,81 \times 10^{-3}$	7.55
L1375.40-05-1000	40x 5	5	41.08	40	37.9	1000	$1,81 \times 10^{-3}$	9.44
L1375.40-05-1500	40x 5	5	41.08	40	37.9	1500	$1,81 \times 10^{-3}$	14.16
L1375.40-05-2000	40x 5	5	41.08	40	37.9	2000	$1,81 \times 10^{-3}$	18.88
L1375.40-05-2500	40x 5	5	41.08	40	37.9	2500	$1,81 \times 10^{-3}$	23.60
L1375.40-05-3000	40x 5	5	41.08	40	37.9	3000	$1,81 \times 10^{-3}$	28.32
L1375.40-05-3500	40x 5	5	41.08	40	37.9	3500	$1,81 \times 10^{-3}$	7.55
L1375.40-05-4000	40x 5	5	41.08	40	37.9	4000	$1,81 \times 10^{-3}$	9.44
L1375.40-05-4500	40x 5	5	41.08	40	37.9	4500	$1,81 \times 10^{-3}$	14.16
L1375.40-05-5000	40x 5	5	41.08	40	37.9	5000	$1,81 \times 10^{-3}$	18.88
L1375.40-05-5500	40x 5	5	41.08	40	37.9	5500	$1,81 \times 10^{-3}$	23.60
L1375.40-05-6000	40x 5	5	41.08	40	37.9	6000	$1,81 \times 10^{-3}$	28.32
L1375.40-10-0500	40x10	10	42.15	40	35.8	500	$1,66 \times 10^{-3}$	4.51
L1375.40-10-0600	40x10	10	42.15	40	35.8	600	$1,66 \times 10^{-3}$	5.41
L1375.40-10-0800	40x10	10	42.15	40	35.8	800	$1,66 \times 10^{-3}$	7.22
L1375.40-10-1000	40x10	10	42.15	40	35.8	1000	$1,66 \times 10^{-3}$	9.02
L1375.40-10-1500	40x10	10	42.15	40	35.8	1500	$1,66 \times 10^{-3}$	13.53
L1375.40-10-2000	40x10	10	42.15	40	35.8	2000	$1,66 \times 10^{-3}$	18.04
L1375.40-10-2500	40x10	10	42.15	40	35.8	2500	$1,66 \times 10^{-3}$	22.55
L1375.40-10-3000	40x10	10	42.15	40	35.8	3000	$1,66 \times 10^{-3}$	27.06
L1375.40-10-3500	40x10	10	42.15	40	37.9	3500	$1,81 \times 10^{-3}$	7.55
L1375.40-10-4000	40x10	10	42.15	40	37.9	4000	$1,81 \times 10^{-3}$	9.44
L1375.40-10-4500	40x10	10	42.15	40	37.9	4500	$1,81 \times 10^{-3}$	14.16
L1375.40-10-5000	40x10	10	42.15	40	37.9	5000	$1,81 \times 10^{-3}$	18.88
L1375.40-10-5500	40x10	10	42.15	40	37.9	5500	$1,81 \times 10^{-3}$	23.60
L1375.40-10-6000	40x10	10	42.15	40	37.9	6000	$1,81 \times 10^{-3}$	28.32
L1375.40-20-0500	40x20	20	42.15	40	35.8	500	$1,66 \times 10^{-3}$	4.51
L1375.40-20-0600	40x20	20	42.15	40	35.8	600	$1,66 \times 10^{-3}$	5.41

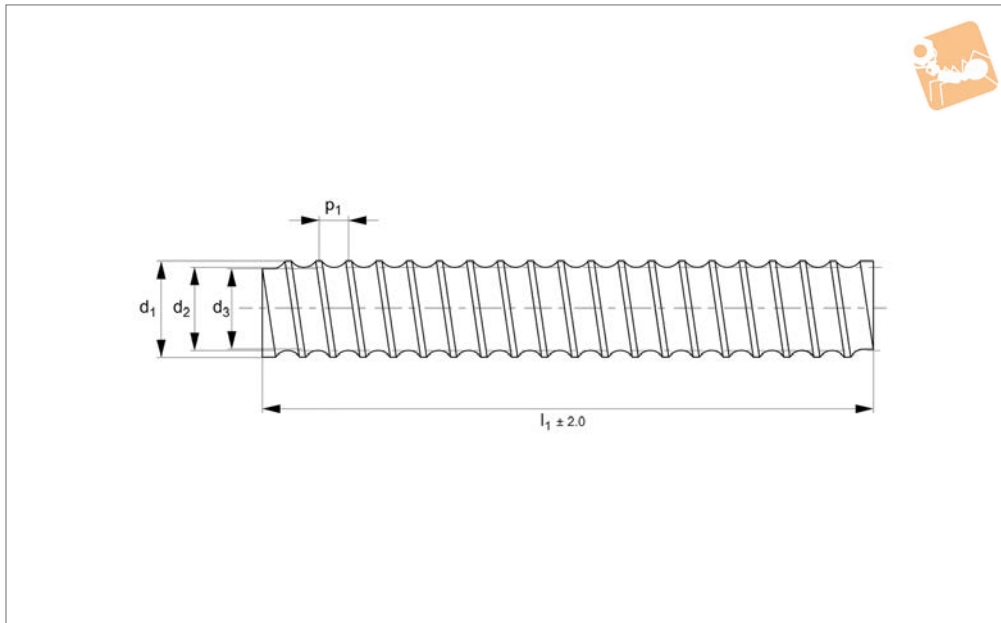
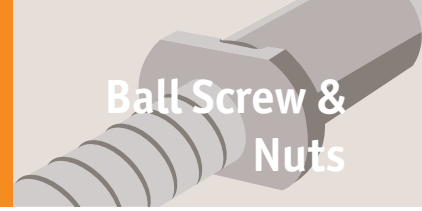


Order No.	Screw dia. x lead	Lead w_1	d_1	d_2	d_3	l_1	Mass moment of inertia kg·m ²	Weight kg
L1375.40-20-0800	40x20	20	42.15	40	35.8	800	1,66x10 ⁻³	7.22
L1375.40-20-1000	40x20	20	42.15	40	35.8	1000	1,66x10 ⁻³	9.02
L1375.40-20-1500	40x20	20	42.15	40	35.8	1500	1,66x10 ⁻³	13.53
L1375.40-20-2000	40x20	20	42.15	40	35.8	2000	1,66x10 ⁻³	18.04
L1375.40-20-2500	40x20	20	42.15	40	35.8	2500	1,66x10 ⁻³	22.55
L1375.40-20-3000	40x20	20	42.15	40	35.8	3000	1,66x10 ⁻³	27.06
L1375.40-20-3500	40x20	20	41.08	40	37.9	3500	1,81x10 ⁻³	7.55
L1375.40-20-4000	40x20	20	41.08	40	37.9	4000	1,81x10 ⁻³	9.44
L1375.40-20-4500	40x20	20	41.08	40	37.9	4500	1,81x10 ⁻³	14.16
L1375.40-20-5000	40x20	20	41.08	40	37.9	5000	1,81x10 ⁻³	18.88
L1375.40-20-5500	40x20	20	41.08	40	37.9	5500	1,81x10 ⁻³	23.60
L1375.40-20-6000	40x20	20	41.08	40	37.9	6000	1,81x10 ⁻³	28.32
L1375.40-40-0500	40x40	40	39.52	40	33.2	500	1,43x10 ⁻³	4.15
L1375.40-40-0600	40x40	40	39.52	40	33.2	600	1,43x10 ⁻³	4.97
L1375.40-40-0800	40x40	40	39.52	40	33.2	800	1,43x10 ⁻³	6.63
L1375.40-40-1000	40x40	40	39.52	40	33.2	1000	1,43x10 ⁻³	8.29
L1375.40-40-1500	40x40	40	39.52	40	33.2	1500	1,43x10 ⁻³	12.44
L1375.40-40-2000	40x40	40	39.52	40	33.2	2000	1,43x10 ⁻³	16.58
L1375.40-40-2500	40x40	40	39.52	40	33.2	2500	1,43x10 ⁻³	20.73
L1375.40-40-3000	40x40	40	39.52	40	33.2	3000	1,43x10 ⁻³	24.87
L1375.40-40-3500	40x40	40	41.08	40	37.9	3500	1,81x10 ⁻³	7.55
L1375.40-40-4000	40x40	40	41.08	40	37.9	4000	1,81x10 ⁻³	9.44
L1375.40-40-4500	40x40	40	41.08	40	37.9	4500	1,81x10 ⁻³	14.16
L1375.40-40-5000	40x40	40	41.08	40	37.9	5000	1,81x10 ⁻³	18.88
L1375.40-40-5500	40x40	40	41.08	40	37.9	5500	1,81x10 ⁻³	23.60
L1375.40-40-6000	40x40	40	41.08	40	37.9	6000	1,81x10 ⁻³	28.32
L1375.40-80-0500	40x80	80	39.52	40	33.2	500	1,43x10 ⁻³	4.15
L1375.40-80-0600	40x80	80	39.52	40	33.2	600	1,43x10 ⁻³	4.97
L1375.40-80-0800	40x80	80	39.52	40	33.2	800	1,43x10 ⁻³	6.63
L1375.40-80-1000	40x80	80	39.52	40	33.2	1000	1,43x10 ⁻³	8.29
L1375.40-80-1500	40x80	80	39.52	40	33.2	1500	1,43x10 ⁻³	12.44
L1375.40-80-2000	40x80	80	39.52	40	33.2	2000	1,43x10 ⁻³	16.58
L1375.40-80-2500	40x80	80	39.52	40	33.2	2500	1,43x10 ⁻³	20.73
L1375.40-80-3000	40x80	80	39.52	40	33.2	3000	1,43x10 ⁻³	24.87
L1375.40-80-3500	40x80	80	41.08	40	37.9	3500	1,81x10 ⁻³	7.55
L1375.40-80-4000	40x80	80	41.08	40	37.9	4000	1,81x10 ⁻³	9.44
L1375.40-80-4500	40x80	80	41.08	40	37.9	4500	1,81x10 ⁻³	14.16
L1375.40-80-5000	40x80	80	41.08	40	37.9	5000	1,81x10 ⁻³	18.88
L1375.40-80-5500	40x80	80	41.08	40	37.9	5500	1,81x10 ⁻³	23.60
L1375.40-80-6000	40x80	80	41.08	40	37.9	6000	1,81x10 ⁻³	28.32



Ø 50 Ball Screws rolled

Ball Screw & Nuts



L1375.50

BALL SCREW & NUTS

Material

Steel (CF53 or C55R), induction hardened to 60 HRC ± 2 , polished.

Technical Notes

Gothic profile with a 10 or 20mm lead. Tolerance T7 - 50 μ /300mm. Shorter lengths or longer lengths up to a maximum

of 6000mm available.

For ball screw nuts see parts L1370-L1374 & L1377.

For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request.

Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

Order No.	Screw dia. x lead	Lead w_1	d_1	d_2	d_3	l_1	Mass moment of inertia $kg \cdot m^2$	Weight kg
L1375.50-05-0500	50x05	05	52.15	50	45.80	500	$4,19 \times 10^{-3}$	7.18
L1375.50-05-0600	50x05	05	52.15	50	45.80	600	$4,19 \times 10^{-3}$	8.61
L1375.50-05-0800	50x05	05	52.15	50	45.80	800	$4,19 \times 10^{-3}$	11.48
L1375.50-05-1000	50x05	05	52.15	50	45.80	1000	$4,19 \times 10^{-3}$	14.35
L1375.50-05-1500	50x05	05	52.15	50	45.80	1500	$4,19 \times 10^{-3}$	21.53
L1375.50-05-2000	50x05	05	52.15	50	45.80	2000	$4,19 \times 10^{-3}$	28.70
L1375.50-05-2500	50x05	05	52.15	50	45.80	2500	$4,19 \times 10^{-3}$	35.88
L1375.50-05-3000	50x05	05	52.15	50	45.80	3000	$4,19 \times 10^{-3}$	43.05
L1375.50-05-3500	50x05	05	52.15	50	45.80	3500	$4,19 \times 10^{-3}$	11.48
L1375.50-05-4000	50x05	05	52.15	50	45.80	4000	$4,19 \times 10^{-3}$	14.35
L1375.50-05-4500	50x05	05	52.15	50	45.80	4500	$4,19 \times 10^{-3}$	21.53
L1375.50-05-5000	50x05	05	52.15	50	45.80	5000	$4,19 \times 10^{-3}$	28.70
L1375.50-05-5500	50x05	05	52.15	50	45.80	5500	$4,19 \times 10^{-3}$	35.88
L1375.50-05-6000	50x05	05	52.15	50	45.80	6000	$4,19 \times 10^{-3}$	43.05
L1375.50-10-0500	50x10	10	52.15	50	45.80	500	$4,19 \times 10^{-3}$	7.18
L1375.50-10-0600	50x10	10	52.15	50	45.80	600	$4,19 \times 10^{-3}$	8.61
L1375.50-10-0800	50x10	10	52.15	50	45.80	800	$4,19 \times 10^{-3}$	11.48
L1375.50-10-1000	50x10	10	52.15	50	45.80	1000	$4,19 \times 10^{-3}$	14.35
L1375.50-10-1500	50x10	10	52.15	50	45.80	1500	$4,19 \times 10^{-3}$	21.53
L1375.50-10-2000	50x10	10	52.15	50	45.80	2000	$4,19 \times 10^{-3}$	28.70
L1375.50-10-2500	50x10	10	52.15	50	45.80	2500	$4,19 \times 10^{-3}$	35.88
L1375.50-10-3000	50x10	10	52.15	50	45.80	3000	$4,19 \times 10^{-3}$	43.05
L1375.50-10-3500	50x10	10	52.15	50	45.80	3500	$4,19 \times 10^{-3}$	11.48
L1375.50-10-4000	50x10	10	52.15	50	45.80	4000	$4,19 \times 10^{-3}$	14.35
L1375.50-10-4500	50x10	10	52.15	50	45.80	4500	$4,19 \times 10^{-3}$	21.53
L1375.50-10-5000	50x10	10	52.15	50	45.80	5000	$4,19 \times 10^{-3}$	28.70
L1375.50-10-5500	50x10	10	52.15	50	45.80	5500	$4,19 \times 10^{-3}$	35.88
L1375.50-10-6000	50x10	10	52.15	50	45.80	6000	$4,19 \times 10^{-3}$	43.05
L1375.50-20-0500	50x20	20	53.58	50	44.05	500	$4,45 \times 10^{-3}$	7.41
L1375.50-20-0600	50x20	20	53.58	50	44.05	600	$4,45 \times 10^{-3}$	8.89

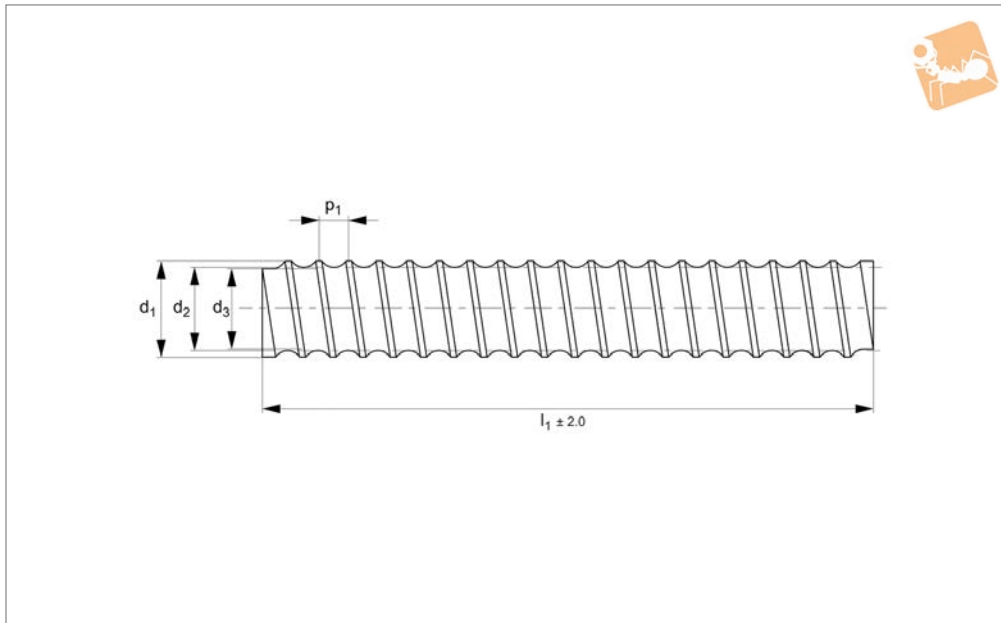
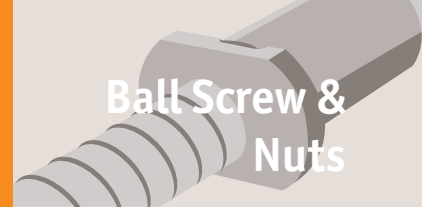


Order No.	Screw dia. x lead	Lead w_1	d_1	d_2	d_3	l_1	Mass moment of inertia kg·m ²	Weight kg
L1375.50-20-0800	50x20	20	53.58	50	44.05	800	4,45x10 ⁻³	11.86
L1375.50-20-1000	50x20	20	53.58	50	44.05	1000	4,45x10 ⁻³	14.82
L1375.50-20-1500	50x20	20	53.58	50	44.05	1500	4,45x10 ⁻³	22.23
L1375.50-20-2000	50x20	20	53.58	50	44.05	2000	4,45x10 ⁻³	29.64
L1375.50-20-2500	50x20	20	53.58	50	44.05	2500	4,45x10 ⁻³	37.05
L1375.50-20-3000	50x20	20	53.58	50	44.05	3000	4,45x10 ⁻³	44.46
L1375.50-20-3500	50x20	20	53.58	50	44.05	3500	4,45x10 ⁻³	11.86
L1375.50-20-4000	50x20	20	53.58	50	44.05	4000	4,45x10 ⁻³	14.82
L1375.50-20-4500	50x20	20	53.58	50	44.05	4500	4,45x10 ⁻³	22.23
L1375.50-20-5000	50x20	20	53.58	50	44.05	5000	4,45x10 ⁻³	29.64
L1375.50-20-5500	50x20	20	53.58	50	44.05	5500	4,45x10 ⁻³	37.05
L1375.50-20-6000	50x20	20	53.58	50	44.05	6000	4,45x10 ⁻³	44.46
L1375.50-50-0500	50x50	50	53.58	50	44.05	500	4,45x10 ⁻³	7.30
L1375.50-50-0600	50x50	50	53.58	50	44.05	600	4,45x10 ⁻³	8.76
L1375.50-50-0800	50x50	50	53.58	50	44.05	800	4,45x10 ⁻³	11.68
L1375.50-50-1000	50x50	50	53.58	50	44.05	1000	4,45x10 ⁻³	14.59
L1375.50-50-1500	50x50	50	53.58	50	44.05	1500	4,45x10 ⁻³	21.89
L1375.50-50-2000	50x50	50	53.58	50	44.05	2000	4,45x10 ⁻³	29.18
L1375.50-50-2500	50x50	50	53.58	50	44.05	2500	4,45x10 ⁻³	36.48
L1375.50-50-3000	50x50	50	53.58	50	44.05	3000	4,45x10 ⁻³	43.77
L1375.50-50-3500	50x50	50	53.58	50	44.05	3500	4,45x10 ⁻³	11.68
L1375.50-50-4000	50x50	50	53.58	50	44.05	4000	4,45x10 ⁻³	14.59
L1375.50-50-4500	50x50	50	53.58	50	44.05	4500	4,45x10 ⁻³	21.89
L1375.50-50-5000	50x50	50	53.58	50	44.05	5000	4,45x10 ⁻³	29.18
L1375.50-50-5500	50x50	50	53.58	50	44.05	5500	4,45x10 ⁻³	36.48
L1375.50-50-6000	50x50	50	53.58	50	44.05	6000	4,45x10 ⁻³	43.77
L1375.50-100-0500	50x100	100	53.58	50	44.05	500	4,45x10 ⁻³	7.30
L1375.50-100-0600	50x100	100	53.58	50	44.05	600	4,45x10 ⁻³	8.76
L1375.50-100-0800	50x100	100	53.58	50	44.05	800	4,45x10 ⁻³	11.68
L1375.50-100-1000	50x100	100	53.58	50	44.05	1000	4,45x10 ⁻³	14.59
L1375.50-100-1500	50x100	100	53.58	50	44.05	1500	4,45x10 ⁻³	21.89
L1375.50-100-2000	50x100	100	53.58	50	44.05	2000	4,45x10 ⁻³	29.18
L1375.50-100-2500	50x100	100	53.58	50	44.05	2500	4,45x10 ⁻³	36.48
L1375.50-100-3000	50x100	100	53.58	50	44.05	3000	4,45x10 ⁻³	43.77
L1375.50-100-3500	50x100	100	53.58	50	44.05	3500	4,45x10 ⁻³	11.68
L1375.50-100-4000	50x100	100	53.58	50	44.05	4000	4,45x10 ⁻³	14.59
L1375.50-100-4500	50x100	100	53.58	50	44.05	4500	4,45x10 ⁻³	21.89
L1375.50-100-5000	50x100	100	53.58	50	44.05	5000	4,45x10 ⁻³	29.18
L1375.50-100-5500	50x100	100	53.58	50	44.05	5500	4,45x10 ⁻³	36.48
L1375.50-100-6000	50x100	100	53.58	50	44.05	6000	4,45x10 ⁻³	43.77



Ø 80 Ball Screws rolled

Ball Screw & Nuts



L1375.80

BALL SCREW & NUTS

Material

Steel (CF53 or C55R), induction hardened to 60 HRC ± 2 , polished.

Technical Notes

Gothic profile with a 10mm lead.
Tolerance T7 - 50 μ /300mm. Shorter lengths or longer lengths up to a maximum

of 6500mm available.

For ball screw nuts see parts L1370-L1374 & L1377.

For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request.

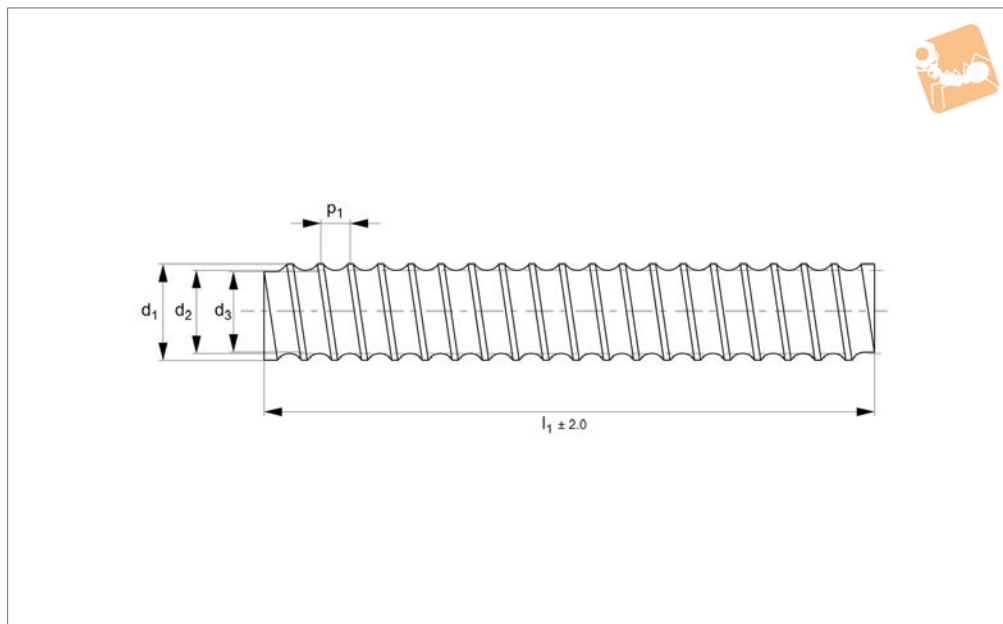
Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

Order No.	Screw dia. x lead	Lead w_1	d_1	d_2	d_3	l_1	Mass moment of inertia $kg \cdot m^2$	Weight kg
L1375.80-10-0500	80x10	10	82.15	80	75.8	500	$2,89 \times 10^{-2}$	18.88
L1375.80-10-0600	80x10	10	82.15	80	75.8	600	$2,89 \times 10^{-2}$	22.66
L1375.80-10-0700	80x10	10	82.15	80	75.8	700	$2,89 \times 10^{-2}$	26.43
L1375.80-10-0800	80x10	10	82.15	80	75.8	800	$2,89 \times 10^{-2}$	30.21
L1375.80-10-1000	80x10	10	82.15	80	75.8	1000	$2,89 \times 10^{-2}$	37.76
L1375.80-10-1500	80x10	10	82.15	80	75.8	1500	$2,89 \times 10^{-2}$	56.64
L1375.80-10-2000	80x10	10	82.15	80	75.8	2000	$2,89 \times 10^{-2}$	75.52
L1375.80-10-2500	80x10	10	82.15	80	75.8	2500	$2,89 \times 10^{-2}$	94.40
L1375.80-10-3000	80x10	10	82.15	80	75.8	3000	$2,89 \times 10^{-2}$	113.28
L1375.80-10-3500	80x10	10	82.15	80	75.8	3500	$2,89 \times 10^{-2}$	30.21
L1375.80-10-4000	80x10	10	82.15	80	75.8	4000	$2,89 \times 10^{-2}$	37.76
L1375.80-10-4500	80x10	10	82.15	80	75.8	4500	$2,89 \times 10^{-2}$	56.64
L1375.80-10-5000	80x10	10	82.15	80	75.8	5000	$2,89 \times 10^{-2}$	75.52
L1375.80-10-5500	80x10	10	82.15	80	75.8	5500	$2,89 \times 10^{-2}$	94.40
L1375.80-10-6000	80x10	10	82.15	80	75.8	6000	$2,89 \times 10^{-2}$	113.28
L1375.80-10-6500	80x10	10	82.15	80	75.8	6500	$2,89 \times 10^{-2}$	113.28



L1375.63



Material

Steel (CF53 or C55R), induction hardened to 60 HRC ± 2 , polished.

Technical Notes

Gothic profile with a 10mm lead.
Tolerance T7 - 50 μ /300mm. Shorter lengths or longer lengths up to a maximum

of 6000mm available.

For ball screw nuts see parts L1370-L1374 & L1377.

For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request.

Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

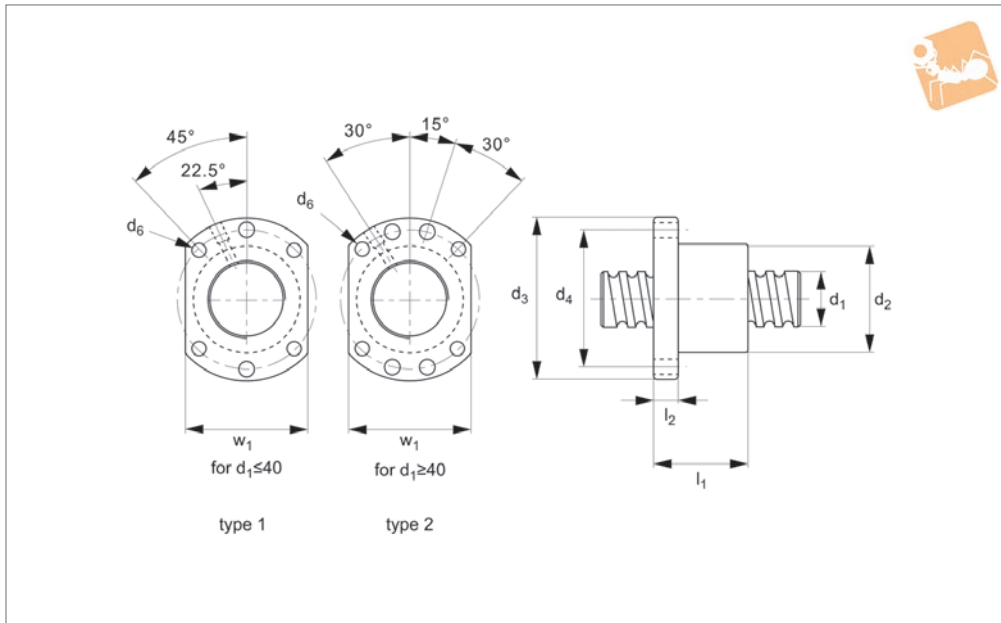
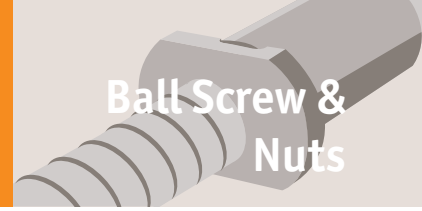
Order No.	Screw dia. x lead	Lead w_1	d_1	d_2	d_3	l_1	Mass moment of inertia $kg \cdot m^2$	Weight kg
L1375.63-10-0500	63x10	10	65.15	63	58.8	500	$1,09 \times 10^{-2}$	11.56
L1375.63-10-0600	63x10	10	65.15	63	58.8	600	$1,09 \times 10^{-2}$	13.87
L1375.63-10-0700	63x10	10	65.15	63	58.8	700	$1,09 \times 10^{-2}$	16.18
L1375.63-10-0800	63x10	10	65.15	63	58.8	800	$1,09 \times 10^{-2}$	18.50
L1375.63-10-1000	63x10	10	65.15	63	58.8	1000	$1,09 \times 10^{-2}$	23.12
L1375.63-10-1500	63x10	10	65.15	63	58.8	1500	$1,09 \times 10^{-2}$	34.68
L1375.63-10-2000	63x10	10	65.15	63	58.8	2000	$1,09 \times 10^{-2}$	46.24
L1375.63-10-2500	63x10	10	65.15	63	58.8	2500	$1,09 \times 10^{-2}$	57.80
L1375.63-10-3000	63x10	10	65.15	63	58.8	3000	$1,09 \times 10^{-2}$	69.36
L1375.63-10-3500	63x10	10	65.15	63	58.8	3500	$1,09 \times 10^{-2}$	18.50
L1375.63-10-4000	63x10	10	65.15	63	58.8	4000	$1,09 \times 10^{-2}$	23.12
L1375.63-10-4500	63x10	10	65.15	63	58.8	4500	$1,09 \times 10^{-2}$	34.68
L1375.63-10-5000	63x10	10	65.15	63	58.8	5000	$1,09 \times 10^{-2}$	46.24
L1375.63-10-5500	63x10	10	65.15	63	58.8	5500	$1,09 \times 10^{-2}$	57.80
L1375.63-10-6000	63x10	10	65.15	63	58.8	6000	$1,09 \times 10^{-2}$	69.36
L1375.63-10-6500	63x10	10	65.15	63	58.8	6500	$1,09 \times 10^{-2}$	69.36



Flanged Ball Nuts- Anti corrosion

DIN 69051, form B

Ball Screw & Nuts



L1377

BALL SCREW & NUTS

Material

Black chrome steel (16MnCr5 or 100Cr6), with Vulkolan seals. Precision class C7.

Technical Notes

Axial play for 5mm pitch = 0,05mm; for 10mm pitch = 0,10mm; for multi-starts = 0,20mm.

Preload max. 5% of max. dynamic load. For axial run-out, concentricity and paral-

lelism figures see technical pages. With lubrication and fixing holes. For use with ball screws no. L1377. Anti corrosion finish consists of a thin layer of black chrome and produces good resistance to wear, and a protective effect against corrosion. Layer thickness 2-10 μ m.

Tips

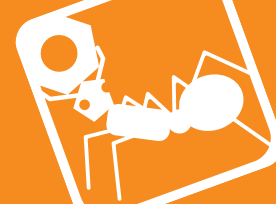
For easy mounting of the ball screw nuts

see the nut bracket - part L1377.

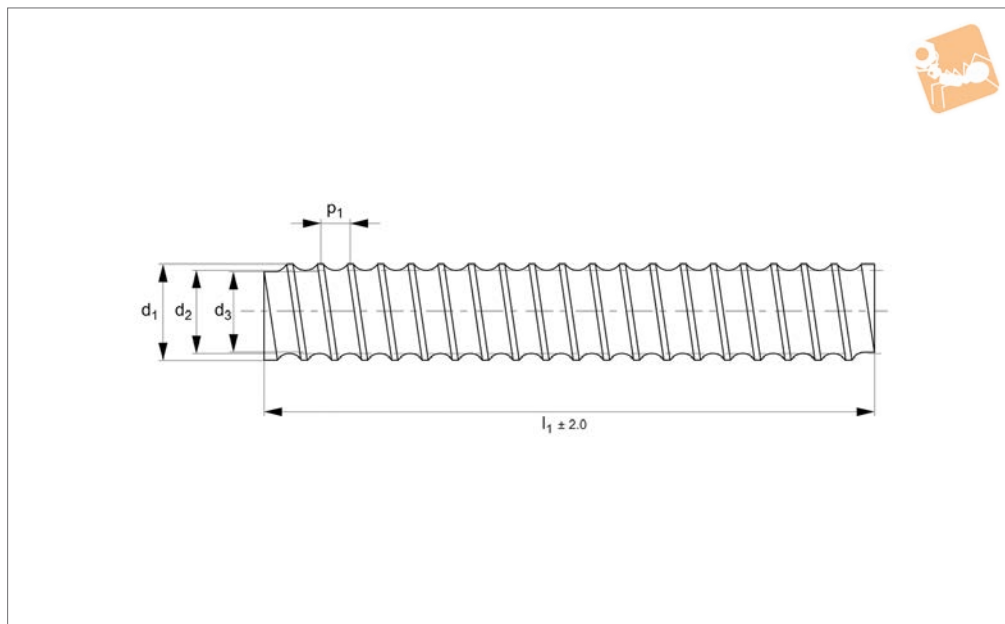
Important Notes

Fit ball nut to screw using the sleeve provided. Offer up the ball nut to the screw and slide carefully on. Do not remove the ball nut from the sleeve provided - the ball bearings can come loose rendering the ball nut unusable.

Order No.	Type	Pitch	d_1 for screw	l_1	l_2	d_2 tol. G6	d_3 ± 0.15	d_4 ± 0.15	d_5 for	d_6	w_1 ± 0.15	Ball dia.	Dyn. load C kN max.	Static load C_0 kN max.
L1377.16-05	Type 1	5	16	45	10	28	48	38	M 6	5.5	40	3.175	13.53	29.92
L1377.20-05	Type 1	5	20	51	10	36	58	47	M 6	6.6	44	3.175	15.21	38.00
L1377.25-05	Type 1	5	25	51	10	40	62	51	M 6	6.6	48	3.175	16.91	48.09
L1377.25-10	Type 1	10	25	80	12	40	62	51	M 6	6.6	48	4.762	28.96	71.54
L1377.32-05	Type 1	5	32	52	12	50	80	65	M 6	9.0	62	3.175	18.85	62.21
L1377.32-10	Type 1	10	32	85	12	50	80	65	M 6	9.0	62	6.350	47.12	119.72
L1377.40-05	Type 2	5	40	55	14	63	93	78	M 8	9.0	70	3.175	20.69	78.34
L1377.40-10	Type 2	10	40	88	14	63	93	78	M 8	9.0	70	6.340	52.95	152.00



L1377.16



Material

Black chrome steel (CF53 or C55R), induction hardened to 60 HRC ±2, polished.

Technical Notes

Gothic profile with a 5 or 10mm lead. Tolerance T7 - 50µ/300mm. Shorter lengths or longer lengths up to a maximum of 6000mm available.

For ball screw nuts see part L1377.

For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request. Anti corrosion finish consists of a thin layer of black chrome and produces good resistance to wear, and a protective effect against corrosion. Layer

thickness 2µm to 10µm.

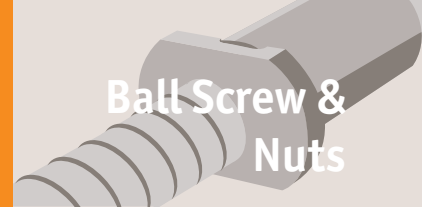
Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

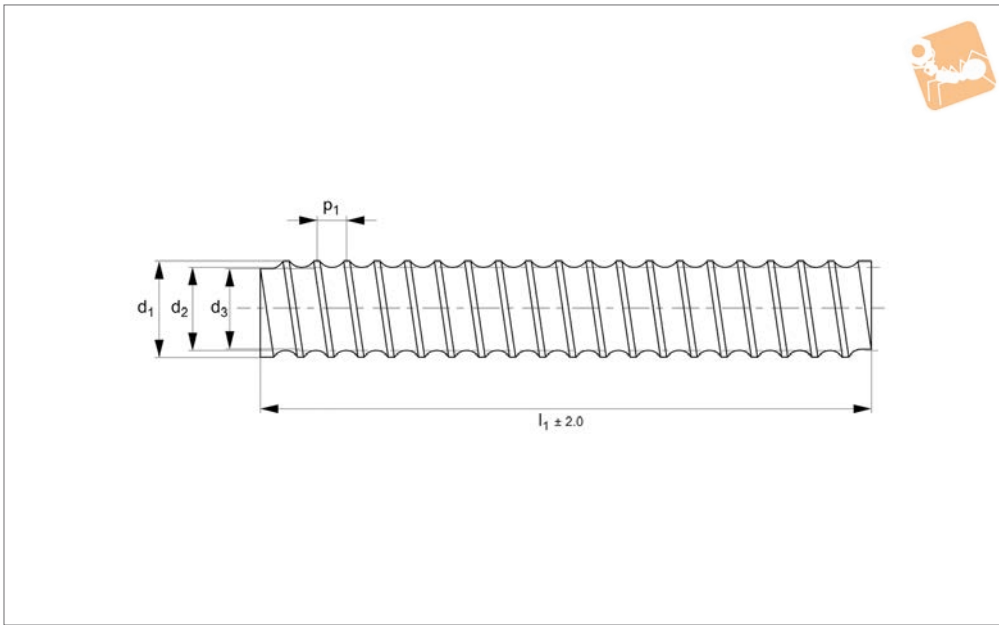
Order No.	Screw dia. x lead	d ₁	l ₁	d ₂	d ₃	Lead w ₁	Mass moment of inertia kg·m ²	Weight kg
L1377.16-05-0500	16x 5	17.08	500	16	13.9	5	4,45x10 ⁻⁵	0.71
L1377.16-05-0600	16x 5	17.08	600	16	13.9	5	4,45x10 ⁻⁵	0.845
L1377.16-05-0800	16x 5	17.08	800	16	13.9	5	4,45x10 ⁻⁵	1.13
L1377.16-05-1000	16x 5	17.08	1000	16	13.9	5	4,45x10 ⁻⁵	1.41
L1377.16-05-1500	16x 5	17.08	1500	16	13.9	5	4,45x10 ⁻⁵	2.12
L1377.16-05-2000	16x 5	17.08	2000	16	13.9	5	4,45x10 ⁻⁵	2.82
L1377.16-05-2500	16x 5	17.08	2500	16	13.9	5	4,45x10 ⁻⁵	3.53
L1377.16-05-3000	16x 5	17.08	3000	16	13.9	5	4,45x10 ⁻⁵	4.23



Ø 20 Ball Screws- Anti Corrosion rolled



Ball Screw & Nuts



L1377.20

BALL SCREW & NUTS

Material

Black chrome steel (CF53 or C55R), induction hardened to 60 HRC ±2, polished.

Technical Notes

Gothic profile with a 5,20 or 50mm lead. Tolerance T7 - 50µ/300mm. Shorter lengths or longer lengths up to a maximum of 6000mm available. For ball screw nuts see part L1377.

For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request.

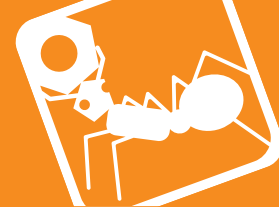
Also available as a left hand thread for 5mm pitch. Anti corrosion finish consists of a thin layer of black chrome and produces good resistance to wear, and a protective effect against corrosion. Layer

thickness 2µm to 10µm.

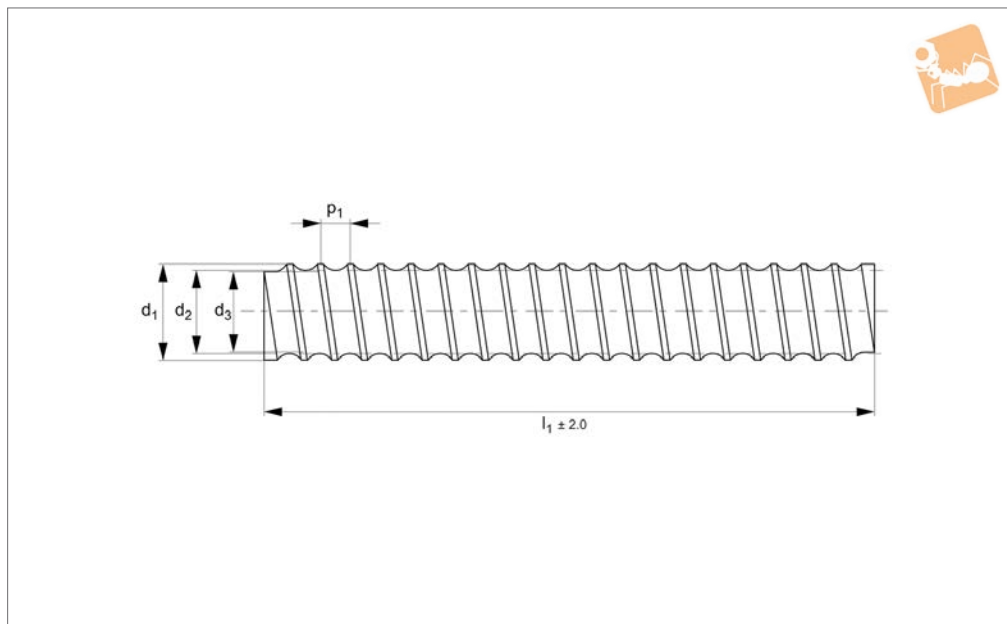
Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

Order No.	Screw dia. x lead	d ₁	l ₁	d ₂	d ₃	Lead w ₁	Mass moment of inertia kg·m ²	Weight kg
L1377.20-05-0500	20x 5	21.08	500	20	17.9	5	1,12x10 ⁻⁴	1.18
L1377.20-05-0600	20x 5	21.08	600	20	17.9	5	1,12x10 ⁻⁴	1.41
L1377.20-05-0800	20x 5	21.08	800	20	17.9	5	1,12x10 ⁻⁴	1.88
L1377.20-05-1000	20x 5	21.08	1000	20	17.9	5	1,12x10 ⁻⁴	2.35
L1377.20-05-1500	20x 5	21.08	1500	20	17.9	5	1,12x10 ⁻⁴	3.53
L1377.20-05-2000	20x 5	21.08	2000	20	17.9	5	1,12x10 ⁻⁴	4.70
L1377.20-05-2500	20x 5	21.08	2500	20	17.9	5	1,12x10 ⁻⁴	5.88
L1377.20-05-3000	20x 5	21.08	3000	20	17.9	5	1,12x10 ⁻⁴	7.05



L1377.25



Material

Black chrome steel (CF53 or C55R), induction hardened to 60 HRC ±2, polished.

Technical Notes

Gothic profile with a 5,10 or 2mm lead. Tolerance T7 - 50µ/300mm. Shorter lengths or longer lengths up to a maximum of 6000mm available.

For ball screw nuts see part L1377.

For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request. Anti corrosion finish consists of a thin layer of black chrome and produces good resistance to wear, and a protective effect against corrosion. Layer

thickness 2µm to 10µm.

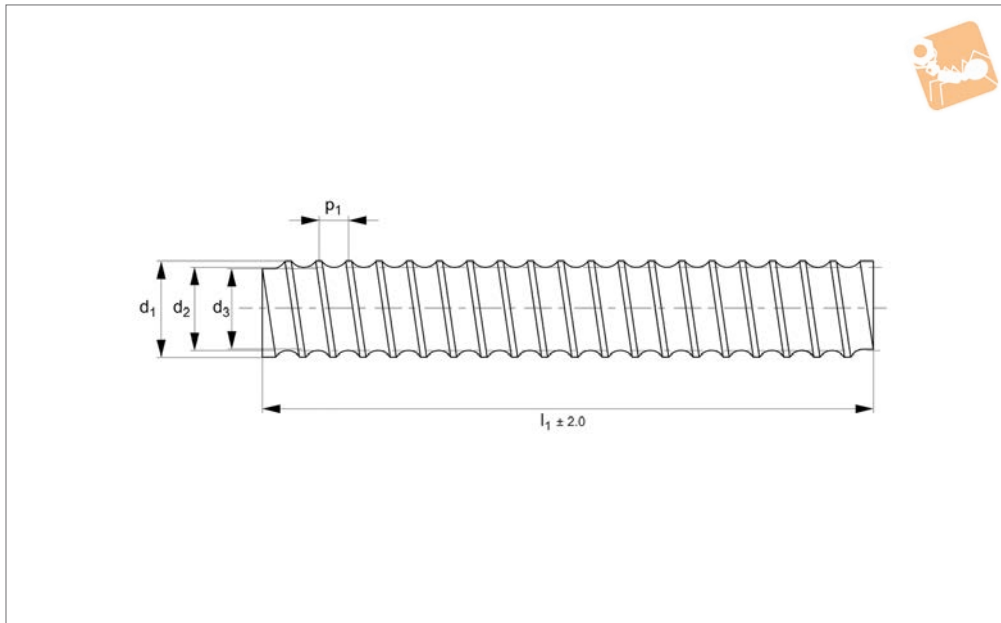
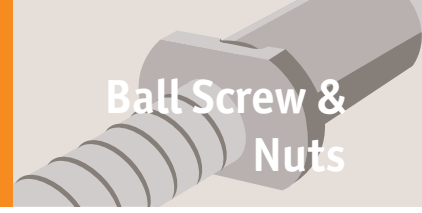
Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

Order No.	Screw dia. x lead	d ₁	l ₁	d ₂	d ₃	Lead w ₁	Mass moment of inertia kg·m ²	Weight kg
L1377.25-05-0500	25x 5	26.08	500	25	22.9	5	2,62x10 ⁻⁴	1.80
L1377.25-05-0600	25x 5	26.08	600	25	22.9	5	2,62x10 ⁻⁴	2.15
L1377.25-05-0800	25x 5	26.08	800	25	22.9	5	2,62x10 ⁻⁴	2.87
L1377.25-05-1000	25x 5	26.08	1000	25	22.9	5	2,62x10 ⁻⁴	3.59
L1377.25-05-1500	25x 5	26.08	1500	25	22.9	5	2,62x10 ⁻⁴	5.39
L1377.25-05-2000	25x 5	26.08	2000	25	22.9	5	2,62x10 ⁻⁴	7.18
L1377.25-05-2500	25x 5	26.08	2500	25	22.9	5	2,62x10 ⁻⁴	8.98
L1377.25-05-3000	25x 5	26.08	3000	25	22.9	5	2,62x10 ⁻⁴	10.77
L1377.25-05-3500	25x 5	26.08	3500	25	22.9	5	2,62x10 ⁻⁴	2.87
L1377.25-05-4000	25x 5	26.08	4000	25	22.9	5	2,62x10 ⁻⁴	3.59
L1377.25-05-4500	25x 5	26.08	4500	25	22.9	5	2,62x10 ⁻⁴	5.39
L1377.25-05-5000	25x 5	26.08	5000	25	22.9	5	2,62x10 ⁻⁴	7.18
L1377.25-05-5500	25x 5	26.08	5500	25	22.9	5	2,62x10 ⁻⁴	8.98
L1377.25-05-6000	25x 5	26.08	6000	25	22.9	5	2,62x10 ⁻⁴	10.77
L1377.25-10-0500	25x10	27.15	500	25	20.8	10	2,94x10 ⁻⁴	1.91
L1377.25-10-0600	25x10	27.15	600	25	20.8	10	2,94x10 ⁻⁴	2.29
L1377.25-10-0800	25x10	27.15	800	25	20.8	10	2,94x10 ⁻⁴	3.05
L1377.25-10-1000	25x10	27.15	1000	25	20.8	10	2,94x10 ⁻⁴	3.81
L1377.25-10-1500	25x10	27.15	1500	25	20.8	10	2,94x10 ⁻⁴	5.72
L1377.25-10-2000	25x10	27.15	2000	25	20.8	10	2,94x10 ⁻⁴	7.62
L1377.25-10-2500	25x10	27.15	2500	25	20.8	10	2,94x10 ⁻⁴	9.53
L1377.25-10-3000	25x10	27.15	3000	25	20.8	10	2,94x10 ⁻⁴	11.43
L1377.25-10-3500	25x10	26.08	3500	25	22.9	10	2,62x10 ⁻⁴	2.87
L1377.25-10-4000	25x10	26.08	4000	25	22.9	10	2,62x10 ⁻⁴	3.59
L1377.25-10-4500	25x10	26.08	4500	25	22.9	10	2,62x10 ⁻⁴	5.39
L1377.25-10-5000	25x10	26.08	5000	25	22.9	10	2,62x10 ⁻⁴	7.18
L1377.25-10-5500	25x10	26.08	5500	25	22.9	10	2,62x10 ⁻⁴	8.98
L1377.25-10-6000	25x10	26.08	6000	25	22.9	10	2,62x10 ⁻⁴	10.77



Ø 32 Ball Screws- Anti Corrosion rolled



L1377.32

BALL SCREW & NUTS

Material

Black chrome steel (CF53 or C55R), induction hardened to 60 HRC ±2, polished.

Technical Notes

Gothic profile with a 5, 10, 20 or 40mm lead.

Tolerance T7 - 50µ/300mm. Shorter lengths or longer lengths up to a maximum of 6000mm available.

For ball screw nuts see part L1377.

For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request.

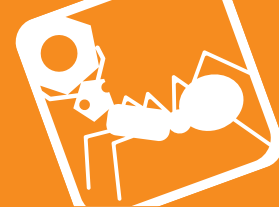
Also available as a left hand thread for 5mm pitch. Anti corrosion finish consists of a thin layer of black chrome and produces good resistance to wear, and a

protective effect against corrosion. Layer thickness 2µm to 10µm.

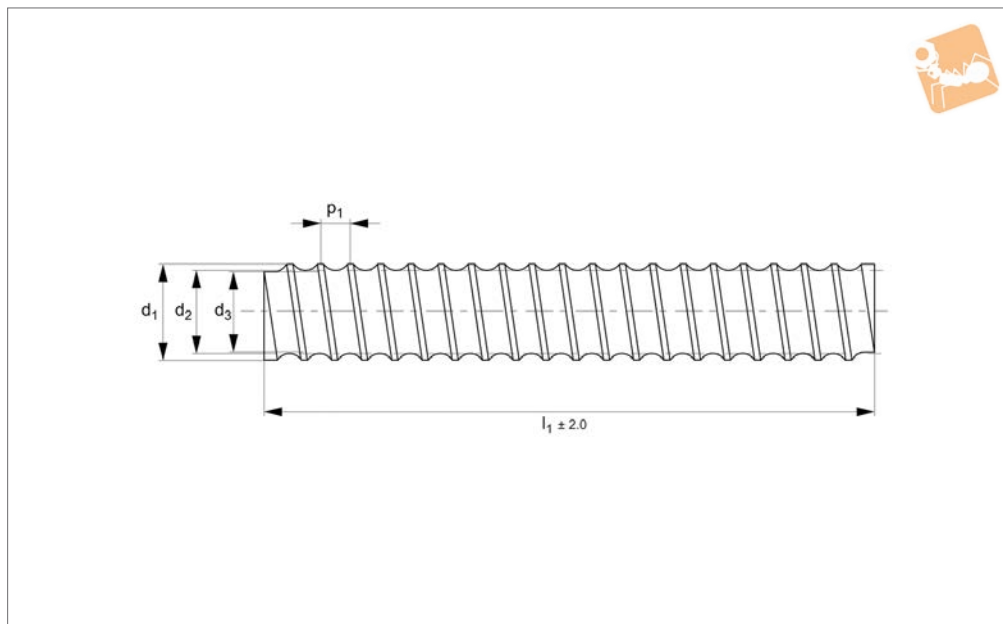
Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

Order No.	Screw dia. x lead	d ₁	l ₁	d ₂	d ₃	Lead w ₁	Mass moment of inertia kg·m ²	Weight kg
L1377.32-05-0500	32x 5	33.08	500	32	29.9	5	7,25x10 ⁻⁴	2.99
L1377.32-05-0600	32x 5	33.08	600	32	29.9	5	7,25x10 ⁻⁴	3.59
L1377.32-05-0800	32x 5	33.08	800	32	29.9	5	7,25x10 ⁻⁴	4.78
L1377.32-05-1000	32x 5	33.08	1000	32	29.9	5	7,25x10 ⁻⁴	5.98
L1377.32-05-1500	32x 5	33.08	1500	32	29.9	5	7,25x10 ⁻⁴	8.97
L1377.32-05-2000	32x 5	33.08	2000	32	29.9	5	7,25x10 ⁻⁴	11.96
L1377.32-05-2500	32x 5	33.08	2500	32	29.9	5	7,25x10 ⁻⁴	14.95
L1377.32-05-3000	32x 5	33.08	3000	32	29.9	5	7,25x10 ⁻⁴	17.94
L1377.32-05-3500	32x 5	33.08	3500	32	29.9	5	7,25x10 ⁻⁴	4.78
L1377.32-05-4000	32x 5	33.08	4000	32	29.9	5	7,25x10 ⁻⁴	5.98
L1377.32-05-4500	32x 5	33.08	4500	32	29.9	5	7,25x10 ⁻⁴	8.97
L1377.32-05-5000	32x 5	33.08	5000	32	29.9	5	7,25x10 ⁻⁴	11.96
L1377.32-05-5500	32x 5	33.08	5500	32	29.9	5	7,25x10 ⁻⁴	14.95
L1377.32-05-6000	32x 5	33.08	6000	32	29.9	5	7,25x10 ⁻⁴	14.95
L1377.32-10-0500	32x10	34.15	500	32	27.8	10	7,69x10 ⁻⁴	3.08
L1377.32-10-0600	32x10	34.15	600	32	27.8	10	7,69x10 ⁻⁴	3.70
L1377.32-10-0800	32x10	34.15	800	32	27.8	10	7,69x10 ⁻⁴	4.93
L1377.32-10-1000	32x10	34.15	1000	32	27.8	10	7,69x10 ⁻⁴	6.16
L1377.32-10-1500	32x10	34.15	1500	32	27.8	10	7,69x10 ⁻⁴	9.24
L1377.32-10-2000	32x10	34.15	2000	32	27.8	10	7,69x10 ⁻⁴	12.32
L1377.32-10-2500	32x10	34.15	2500	32	27.8	10	7,69x10 ⁻⁴	15.40
L1377.32-10-3000	32x10	34.15	3000	32	27.8	10	7,69x10 ⁻⁴	18.48
L1377.32-10-3500	32x10	33.08	3500	32	29.9	10	7,25x10 ⁻⁴	4.78
L1377.32-10-4000	32x10	33.08	4000	32	29.9	10	7,25x10 ⁻⁴	5.98
L1377.32-10-4500	32x10	33.08	4500	32	29.9	10	7,25x10 ⁻⁴	8.97
L1377.32-10-5000	32x10	33.08	5000	32	29.9	10	7,25x10 ⁻⁴	11.96
L1377.32-10-5500	32x10	33.08	5500	32	29.9	10	7,25x10 ⁻⁴	14.95
L1377.32-10-6000	32x10	33.08	6000	32	29.9	10	7,25x10 ⁻⁴	14.95



L1377.40



Material

Black chrome steel (CF53 or C55R), induction hardened to 60 HRC ±2, polished.

Technical Notes

Gothic profile with a 5, 10 or 20mm lead. Tolerance T7 - 50µ/300mm. Shorter lengths or longer lengths up to a maximum of 6000mm available.

For ball screw nuts see part L1377.

For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request. Anti corrosion finish consists of a thin layer of black chrome and produces good resistance to wear, and a protective effect against corrosion. Layer

thickness 2µm to 10µm.

Important Notes

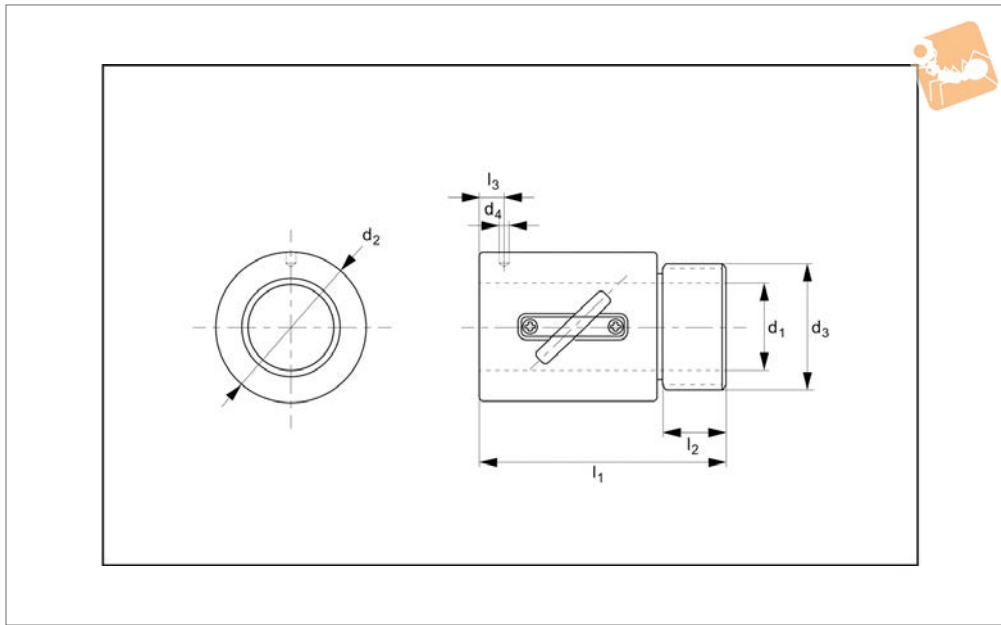
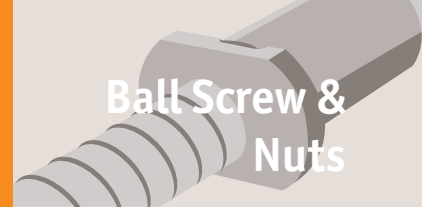
Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

Order No.	Screw dia. x lead	d ₁	l ₁	d ₂	d ₃	Lead w ₁	Mass moment of inertia kg·m ²	Weight kg
L1377.40-05-0500	40x 5	41.08	500	40	37.9	5	1,81x10 ⁻³	4.72
L1377.40-05-0600	40x 5	41.08	600	40	37.9	5	1,81x10 ⁻³	5.66
L1377.40-05-0800	40x 5	41.08	800	40	37.9	5	1,81x10 ⁻³	7.55
L1377.40-05-1000	40x 5	41.08	1000	40	37.9	5	1,81x10 ⁻³	9.44
L1377.40-05-1500	40x 5	41.08	1500	40	37.9	5	1,81x10 ⁻³	14.16
L1377.40-05-2000	40x 5	41.08	2000	40	37.9	5	1,81x10 ⁻³	18.88
L1377.40-05-2500	40x 5	41.08	2500	40	37.9	5	1,81x10 ⁻³	23.60
L1377.40-05-3000	40x 5	41.08	3000	40	37.9	5	1,81x10 ⁻³	28.32
L1377.40-05-3500	40x 5	41.08	3500	40	37.9	5	1,81x10 ⁻³	7.55
L1377.40-05-4000	40x 5	41.08	4000	40	37.9	5	1,81x10 ⁻³	9.44
L1377.40-05-4500	40x 5	41.08	4500	40	37.9	5	1,81x10 ⁻³	14.16
L1377.40-05-5000	40x 5	41.08	5000	40	37.9	5	1,81x10 ⁻³	18.88
L1377.40-05-5500	40x 5	41.08	5500	40	37.9	5	1,81x10 ⁻³	23.60
L1377.40-05-6000	40x 5	41.08	6000	40	37.9	5	1,81x10 ⁻³	28.32
L1377.40-10-0500	40x10	42.15	500	40	35.8	10	1,66x10 ⁻³	4.51
L1377.40-10-0600	40x10	42.15	600	40	35.8	10	1,66x10 ⁻³	5.41
L1377.40-10-0800	40x10	42.15	800	40	35.8	10	1,66x10 ⁻³	7.22
L1377.40-10-1000	40x10	42.15	1000	40	35.8	10	1,66x10 ⁻³	9.02
L1377.40-10-1500	40x10	42.15	1500	40	35.8	10	1,66x10 ⁻³	13.53
L1377.40-10-2000	40x10	42.15	2000	40	35.8	10	1,66x10 ⁻³	18.04
L1377.40-10-2500	40x10	42.15	2500	40	35.8	10	1,66x10 ⁻³	22.55
L1377.40-10-3000	40x10	42.15	3000	40	35.8	10	1,66x10 ⁻³	27.06
L1377.40-10-3500	40x10	41.08	3500	40	37.9	10	1,81x10 ⁻³	7.55
L1377.40-10-4000	40x10	41.08	4000	40	37.9	10	1,81x10 ⁻³	9.44
L1377.40-10-4500	40x10	41.08	4500	40	37.9	10	1,81x10 ⁻³	14.16
L1377.40-10-5000	40x10	41.08	5000	40	37.9	10	1,81x10 ⁻³	18.88
L1377.40-10-5500	40x10	41.08	5500	40	37.9	10	1,81x10 ⁻³	23.60
L1377.40-10-6000	40x10	41.08	6000	40	37.9	10	1,81x10 ⁻³	28.32



Miniature Cylindrical Ball Nut

Ball Screw & Nuts



L1379.C

BALL SCREW & NUTS

Material

Steel body (16MnCr5), balls (100Cr6) and polyurethane (Vulkolan) seals.

Technical Notes

Axial clearance 0,05mm.
Preload max. 5% of dynamic load.

For axial run-out, concentricity and parallelism figures see technical pages.
For use with miniature ball screws L1379.

Tips

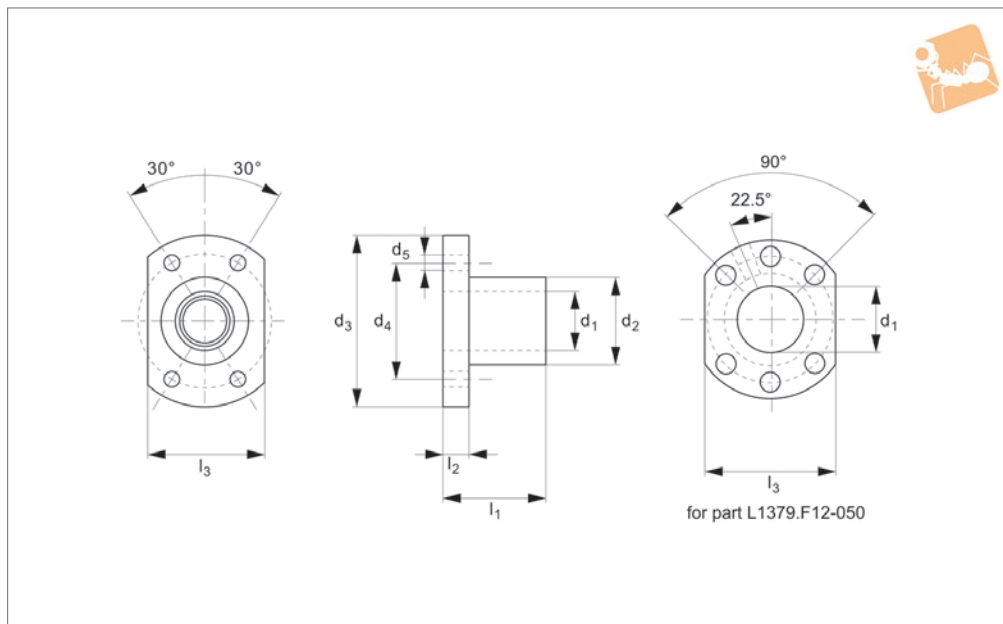
Fit ball nut to screw using the sleeve provided. Offer up the ball nut to the screw

and slide carefully on. Do not remove the ball nut from the sleeve provided - the ball bearings can come loose rendering the ball nut unusable.

Order No.	d ₁ for screw	Pitch	d ₂ tol. G6	d ₃	d ₄	l ₁ ±0.15	l ₂	l ₃	No. of circuits	Ball dia.	Dyn. load C kN max.	Static load C ₀ kN max.	Stiffness N/μm
L1379.C08-250	8	2,5	17,5	M15x1,0P	3,0	23,5	7,5	10,0	2,5x1	1,2	1,85	3,73	167
L1379.C10-020	10	2,0	19,5	M17x1,0P	3,2	22,0	7,5	3,0	3,5x1	1,2	2,72	6,51	167
L1379.C10-040	10	4,0	25,0	M20x1,0P	3,0	34,0	10,0	3,0	2,5x1	2,0	3,92	7,39	137
L1379.C12-040	12	4,0	25,5	M20x1,0P	3,0	34,0	10,0	13,0	3,5x1	2,5	7,88	16,16	226
L1379.C12-050	12	5,0	25,5	M20x1,0P	3,0	39,0	10,0	16,3	3,5x1	2,5	7,85	16,11	235
L1379.C14-040	14	4,0	32,1	M25x1,5P	3,0	35,0	10,0	11,0	3,0x1	2,5	7,33	15,77	235



L1379.F



Material

Steel body (16MnCr5), balls (100Cr6) and polyurethane (Vulkolan) seals.

Technical Notes

Axial clearance 0,05mm.
Preload max. 5% of dynamic load.

For axial run-out, concentricity and parallelism figures see technical pages.

For use with miniature ball screws L1379.06- L1379.14.

Tips

Fit ball nut to screw using the sleeve

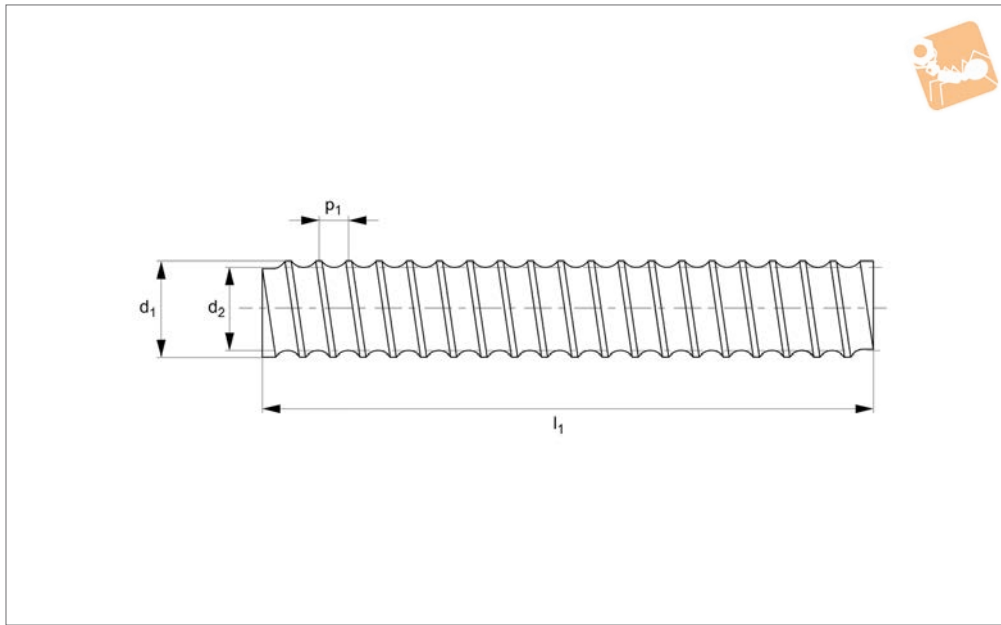
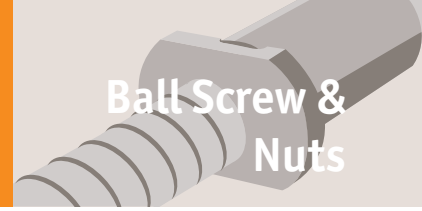
provided. Offer up the ball nut to the screw and slide carefully on. Do not remove the ball nut from the sleeve provided - the ball bearings can come loose rendering the ball nut unusable.

Order No.	d ₁ for screw	Pitch	d ₂ tol. G6	d ₃	d ₄	d ₅	l ₁	l ₂	l ₃ ±0.10	No. of circuits	Ball dia.	Dyn. load C kN max.	Static load C ₀ kN max.	Stiffness N/µm
L1379.F06-010	6	1.0	12	24	18	3.4	15	3.5	16	3	0.8	1.09	2.19	88
L1379.F08-010	8	1.0	14	27	21	3.4	16	4.0	18	4	0.8	1.58	3.95	137
L1379.F08-020	8	2.0	14	27	21	3.4	16	4.0	18	3	1.2	2.17	4.49	127
L1379.F08-025	8	2.5	16	29	23	3.4	26	4.0	20	3	1.2	2.17	4.49	127
L1379.F10-020	10	2.0	18	35	27	4.5	28	5.0	22	3	1.2	2.38	5.58	147
L1379.F10-040	10	4.0	26	46	36	4.5	34	10.0	28	3	2.0	4.59	8.88	167
L1379.F12-020	12	2.0	20	37	29	4.5	28	5.0	24	4	1.2	3.17	8.88	216
L1379.F12-050	12	5.0	22	37	29	4.5	39	8.0	24	3	2.5	6.61	12.9	186
L1379.F14-020	14	2.0	21	40	31	5.5	23	6.0	26	4	1.2	3.48	10.3	235



Ø 6 Miniature Rolled Ball Screw

Ball Screw & Nuts



L1379.06

BALL SCREW & NUTS

Material

Steel (Cf53 or C55R), hardened, rust proof chrome plated (X90CrMoV5).

Technical Notes

Tolerance T7 - 50µ/300mm.

For ball screw nuts L1379.F (flanged) and L1379.C (cylindrical).

For end machining of ball screws to suit miniature or standard ball screw support units please see technical pages.

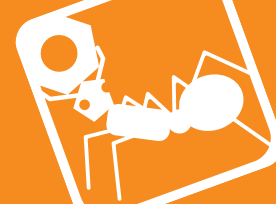
We provide a service to cut and machine ball screws as required.

Chrome plating for use in food industry etc. contains 98% pure chromium.

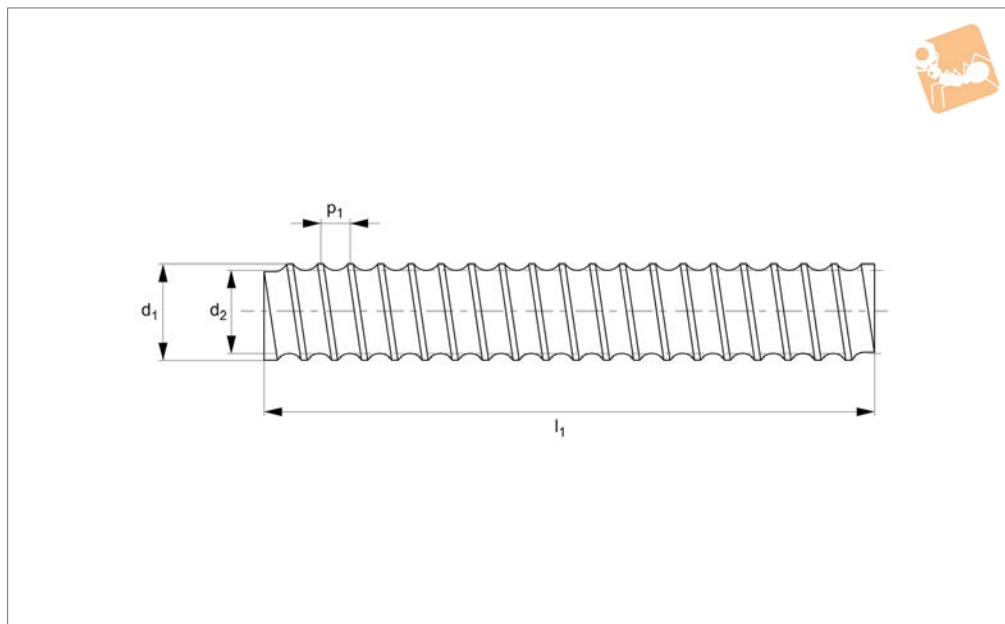
Tips

Do not remove the ball nut from the sleeve that it comes with prior to installation - the balls come free rendering the ball nut unusable. Offer up the ball nut still on it's mounting sleeve to the ball screw and screw carefully on.

Order No.	d ₁	d ₂ core dia.	l ₁	Lead w ₁	Mass moment of inertia kg·m ²	Screw dia. x lead	Weight kg
L1379.06-10-0100	6	5.47	100	1	0,83x10 ⁻⁷	6x1	0.02
L1379.06-10-0200	6	5.47	200	1	0,83x10 ⁻⁷	6x1	0.04
L1379.06-10-0300	6	5.47	300	1	0,83x10 ⁻⁷	6x1	0.06
L1379.06-10-0400	6	5.47	400	1	0,83x10 ⁻⁷	6x1	0.08
L1379.06-10-0500	6	5.47	500	1	0,83x10 ⁻⁷	6x1	0.10
L1379.06-10-0600	6	5.47	600	1	0,83x10 ⁻⁷	6x1	0.12
L1379.06-10-0700	6	5.47	700	1	0,83x10 ⁻⁷	6x1	0.14
L1379.06-10-0800	6	5.47	800	1	0,83x10 ⁻⁷	6x1	0.16
L1379.06-10-0900	6	5.47	900	1	0,83x10 ⁻⁷	6x1	0.18
L1379.06-10-1000	6	5.47	1000	1	0,83x10 ⁻⁷	6x1	0.18



L1379.08



Material

Steel (Cf53 or C55R), hardened, rust proof chrome plated (X90CrMoV5).

Technical Notes

Tolerance T7 - 50µ/300mm.

For ball screw nuts L1379.F (flanged) and L1379.C (cylindrical).

For end machining of ball screws to suit miniature or standard ball screw support units please see technical pages.

We provide a service to cut and machine ball screws as required.

Chrome plating for use in food industry etc. contains 98% pure chromium.

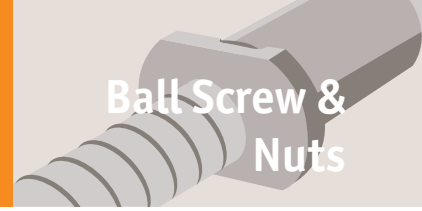
Tips

Do not remove the ball nut from the sleeve that it comes with prior to installation - the balls come free rendering the ball nut unusable. Offer up the ball nut still on it's mounting sleeve to the ball screw and screw carefully on.

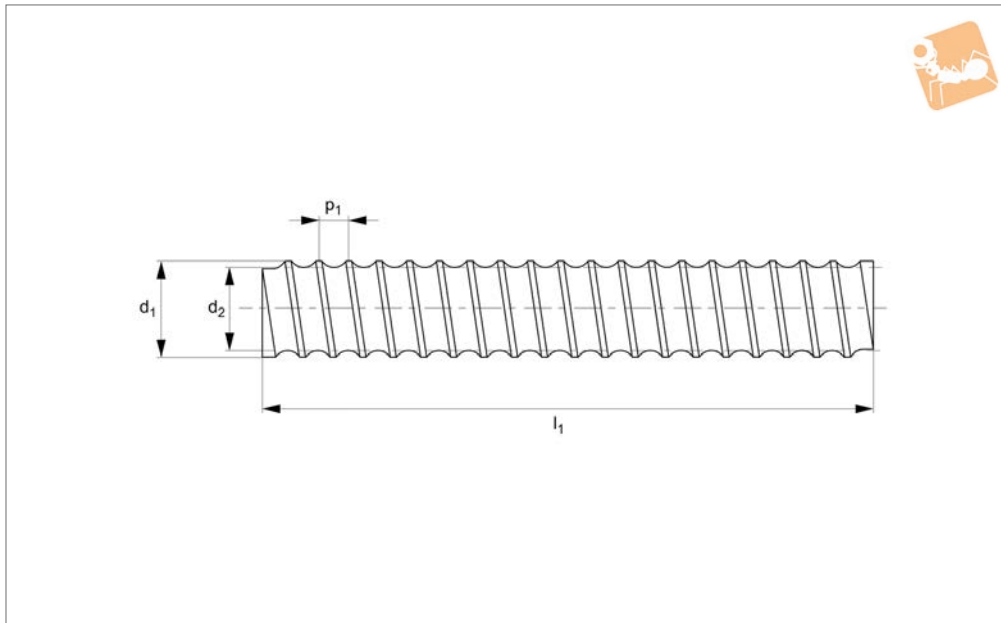
Order No.	d ₁	d ₂ core dia.	l ₁	Lead w ₁	Mass moment of inertia kg·m ²	Screw dia. x lead	Weight kg
L1379.08-10-0100	8	7.40	100	1.0	2,67x10 ⁻⁶	8x1,0	0.04
L1379.08-10-0200	8	7.40	200	1.0	2,67x10 ⁻⁶	8x1,0	0.07
L1379.08-10-0300	8	7.40	300	1.0	2,67x10 ⁻⁶	8x1,0	0.11
L1379.08-10-0400	8	7.40	400	1.0	2,67x10 ⁻⁶	8x1,0	0.14
L1379.08-10-0500	8	7.40	500	1.0	2,67x10 ⁻⁶	8x1,0	0.18
L1379.08-10-0600	8	7.40	600	1.0	2,67x10 ⁻⁶	8x1,0	0.22
L1379.08-10-0700	8	7.40	700	1.0	2,67x10 ⁻⁶	8x1,0	0.25
L1379.08-10-0800	8	7.40	800	1.0	2,67x10 ⁻⁶	8x1,0	0.29
L1379.08-10-0900	8	7.40	900	1.0	2,67x10 ⁻⁶	8x1,0	0.32
L1379.08-10-1000	8	7.40	1000	1.0	2,67x10 ⁻⁶	8x1,0	0.36
L1379.08-20-0100	8	7.21	100	2.0	2,71x10 ⁻⁶	8x2,0	0.04
L1379.08-20-0200	8	7.21	200	2.0	2,71x10 ⁻⁶	8x2,0	0.07
L1379.08-20-0300	8	7.21	300	2.0	2,71x10 ⁻⁶	8x2,0	0.11
L1379.08-20-0400	8	7.21	400	2.0	2,71x10 ⁻⁶	8x2,0	0.14
L1379.08-20-0500	8	7.21	500	2.0	2,71x10 ⁻⁶	8x2,0	0.18
L1379.08-20-0600	8	7.21	600	2.0	2,71x10 ⁻⁶	8x2,0	0.22
L1379.08-20-0700	8	7.21	700	2.0	2,71x10 ⁻⁶	8x2,0	0.25
L1379.08-20-0800	8	7.21	800	2.0	2,71x10 ⁻⁶	8x2,0	0.29
L1379.08-20-0900	8	7.21	900	2.0	2,71x10 ⁻⁶	8x2,0	0.32
L1379.08-20-1000	8	7.21	1000	2.0	2,71x10 ⁻⁶	8x2,0	0.36
L1379.08-25-0100	8	7.21	100	2.5	2,80x10 ⁻⁶	8x2,5	0.04
L1379.08-25-0200	8	7.21	200	2.5	2,80x10 ⁻⁶	8x2,5	0.07
L1379.08-25-0300	8	7.21	300	2.5	2,80x10 ⁻⁶	8x2,5	0.11
L1379.08-25-0400	8	7.21	400	2.5	2,80x10 ⁻⁶	8x2,5	0.15
L1379.08-25-0500	8	7.21	500	2.5	2,80x10 ⁻⁶	8x2,5	0.18
L1379.08-25-0600	8	7.21	600	2.5	2,80x10 ⁻⁶	8x2,5	0.22
L1379.08-25-0700	8	7.21	700	2.5	2,80x10 ⁻⁶	8x2,5	0.26
L1379.08-25-0800	8	7.21	800	2.5	2,80x10 ⁻⁶	8x2,5	0.27
L1379.08-25-0900	8	7.21	900	2.5	2,80x10 ⁻⁶	8x2,5	0.33
L1379.08-25-1000	8	7.21	1000	2.5	2,80x10 ⁻⁶	8x2,5	0.37



10Ø Miniature Rolled Ball Screw



Ball Screw & Nuts



L1379.10

BALL SCREW & NUTS

Material

Steel (Cf53 or C55R), hardened, rust proof chrome plated (X90CrMoV5).

Technical Notes

Tolerance T7 - 50µ/300mm.

For ball screw nuts see parts L1379.F and L1379.C.

For end machining of ball screws to suit miniature or standard ball screw support units please see technical pages.

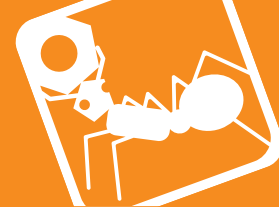
We provide a service to cut and machine ball screws as required.

Chrome plating for use in food industry etc. contains 98% pure chromium.

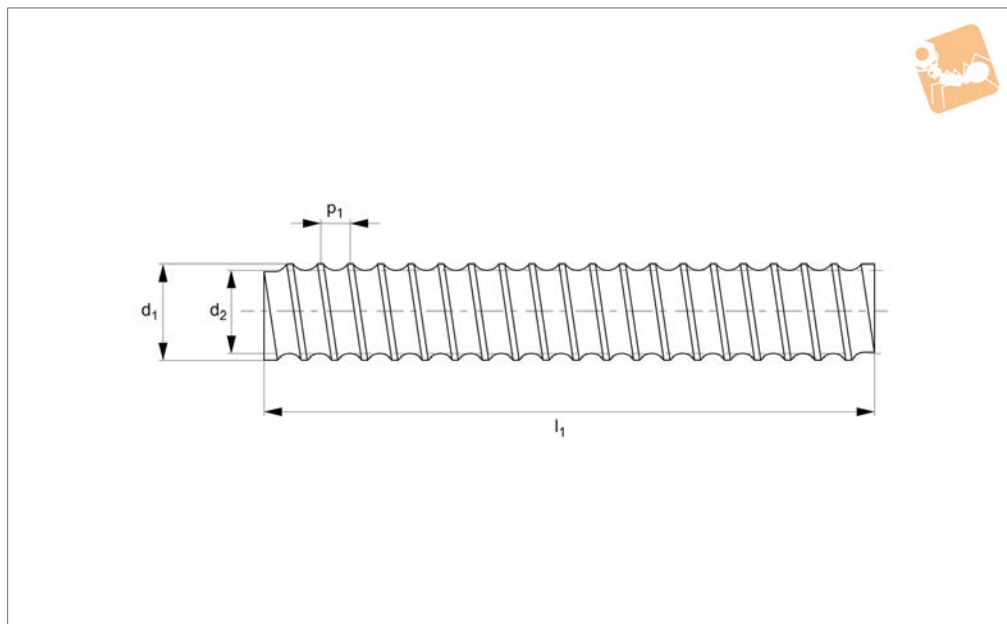
Tips

Do not remove the ball nut from the sleeve that it comes with prior to installation - the balls come free rendering the ball nut unusable. Offer up the ball nut still on its mounting sleeve to the ball screw and screw carefully on.

Order No.	d ₁	d ₂ core dia.	l ₁	Lead w ₁	Mass moment of inertia kg·m ²	Screw dia. x lead	Weight kg
L1379.10-20-0100	10	9.21	100	2	5,11x10 ⁻⁶	10x2	0.06
L1379.10-20-0200	10	9.21	200	2	5,11x10 ⁻⁶	10x2	0.12
L1379.10-20-0300	10	9.21	300	2	5,11x10 ⁻⁶	10x2	0.17
L1379.10-20-0400	10	9.21	400	2	5,11x10 ⁻⁶	10x2	0.23
L1379.10-20-0500	10	9.21	500	2	5,11x10 ⁻⁶	10x2	0.29
L1379.10-20-0600	10	9.21	600	2	5,11x10 ⁻⁶	10x2	0.35
L1379.10-20-0700	10	9.21	700	2	5,11x10 ⁻⁶	10x2	0.41
L1379.10-20-0800	10	9.21	800	2	5,11x10 ⁻⁶	10x2	0.46
L1379.10-20-0900	10	9.21	900	2	5,11x10 ⁻⁶	10x2	0.52
L1379.10-20-1000	10	9.21	1000	2	5,11x10 ⁻⁶	10x2	0.58
L1379.10-40-0100	10	8.68	100	4	6,53x10 ⁻⁶	10x4	0.06
L1379.10-40-0200	10	8.68	200	4	6,53x10 ⁻⁶	10x4	0.11
L1379.10-40-0300	10	8.68	300	4	6,53x10 ⁻⁶	10x4	0.17
L1379.10-40-0400	10	8.68	400	4	6,53x10 ⁻⁶	10x4	0.23
L1379.10-40-0500	10	8.68	500	4	6,53x10 ⁻⁶	10x4	0.28
L1379.10-40-0600	10	8.68	600	4	6,53x10 ⁻⁶	10x4	0.34
L1379.10-40-0700	10	8.68	700	4	6,53x10 ⁻⁶	10x4	0.40
L1379.10-40-0800	10	8.68	800	4	6,53x10 ⁻⁶	10x4	0.46
L1379.10-40-0900	10	8.68	900	4	6,53x10 ⁻⁶	10x4	0.51
L1379.10-40-1000	10	8.68	1000	4	6,53x10 ⁻⁶	10x4	0.57



L1379.12



Material

Steel (Cf53 or C55R), hardened, rust proof chrome plated (X90CrMoV5).

Technical Notes

Tolerance T7 - 50µ/300mm.

For ball screw nuts see parts L1379.F and L1379.C.

For end machining of ball screws to suit miniature or standard ball screw support units please see technical pages.

We provide a service to cut and machine ball screws as required.

Chrome plating for use in food industry etc. contains 98% pure chromium.

Tips

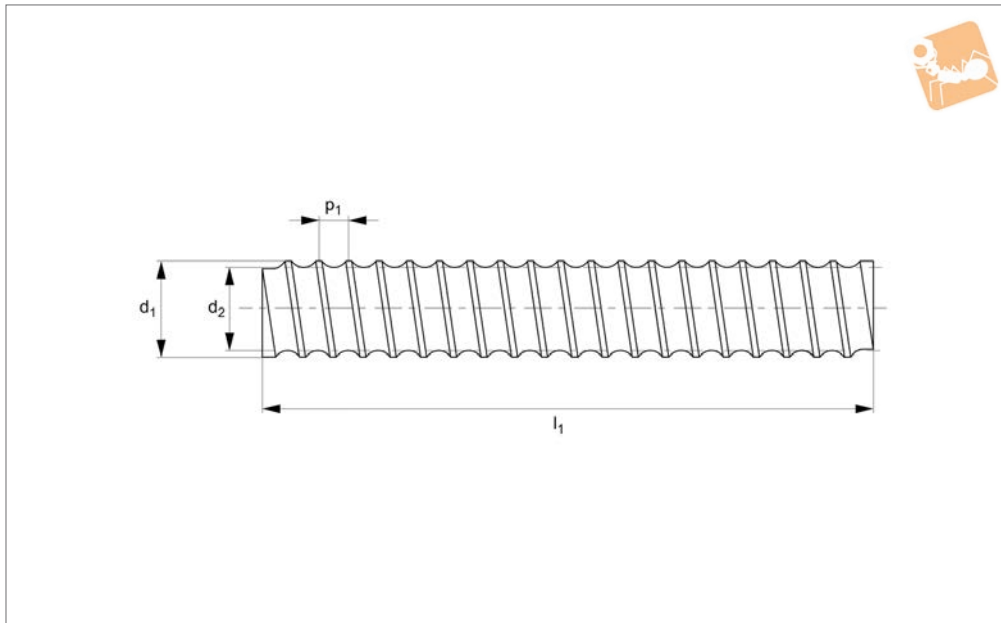
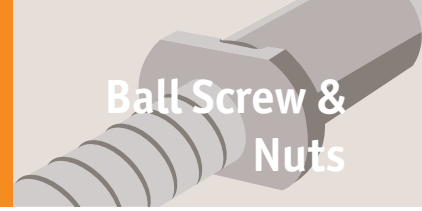
Do not remove the ball nut from the sleeve that it comes with prior to installation - the balls come free rendering the ball nut unusable. Offer up the ball nut still on it's mounting sleeve to the ball screw and screw carefully on.

Order No.	d ₁	d ₂ core dia.	l ₁	Lead w ₁	Mass moment of inertia kg·m ²	Screw dia. x lead	Weight kg
L1379.12-20-0100	12	11.21	100	2	1,07x10 ⁻⁵	12x2	0.06
L1379.12-20-0200	12	11.21	200	2	1,07x10 ⁻⁵	12x2	0.12
L1379.12-20-0300	12	11.21	300	2	1,07x10 ⁻⁵	12x2	0.19
L1379.12-20-0400	12	11.21	400	2	1,07x10 ⁻⁵	12x2	0.25
L1379.12-20-0500	12	11.21	500	2	1,07x10 ⁻⁵	12x2	0.31
L1379.12-20-0600	12	11.21	600	2	1,07x10 ⁻⁵	12x2	0.37
L1379.12-20-0700	12	11.21	700	2	1,07x10 ⁻⁵	12x2	0.43
L1379.12-20-0800	12	11.21	800	2	1,07x10 ⁻⁵	12x2	0.50
L1379.12-20-0900	12	11.21	900	2	1,07x10 ⁻⁵	12x2	0.56
L1379.12-20-1000	12	11.21	1000	2	1,07x10 ⁻⁵	12x2	0.62
L1379.12-40-0100	12	9.80	100	4	1,51x10 ⁻⁵	12x4	0.09
L1379.12-40-0200	12	9.80	200	4	1,51x10 ⁻⁵	12x4	0.17
L1379.12-40-0300	12	9.80	300	4	1,51x10 ⁻⁵	12x4	0.26
L1379.12-40-0400	12	9.80	400	4	1,51x10 ⁻⁵	12x4	0.35
L1379.12-40-0500	12	9.80	500	4	1,51x10 ⁻⁵	12x4	0.43
L1379.12-40-0600	12	9.80	600	4	1,51x10 ⁻⁵	12x4	0.52
L1379.12-40-0700	12	9.80	700	4	1,51x10 ⁻⁵	12x4	0.61
L1379.12-40-0800	12	9.80	800	4	1,51x10 ⁻⁵	12x4	0.69
L1379.12-40-0900	12	9.80	900	4	1,51x10 ⁻⁵	12x4	0.77
L1379.12-40-1000	12	9.80	1000	4	1,51x10 ⁻⁵	12x4	0.86
L1379.12-50-0100	12	9.80	100	5	7,64x10 ⁻⁶	12x5	0.09
L1379.12-50-0200	12	9.80	200	5	7,64x10 ⁻⁶	12x5	0.16
L1379.12-50-0300	12	9.80	300	5	7,64x10 ⁻⁶	12x5	0.23
L1379.12-50-0400	12	9.80	400	5	7,64x10 ⁻⁶	12x5	0.31
L1379.12-50-0500	12	9.80	500	5	7,64x10 ⁻⁶	12x5	0.39
L1379.12-50-0600	12	9.80	600	5	7,64x10 ⁻⁶	12x5	0.47
L1379.12-50-0700	12	9.80	700	5	7,64x10 ⁻⁶	12x5	0.55
L1379.12-50-0800	12	9.80	800	5	7,64x10 ⁻⁶	12x5	0.62
L1379.12-50-0900	12	9.80	900	5	7,64x10 ⁻⁶	12x5	0.70
L1379.12-50-1000	12	9.80	1000	5	7,64x10 ⁻⁶	12x5	0.78



Ø14 Miniature Rolled Ball Screws

Ball Screw & Nuts



L1379.14

BALL SCREW & NUTS

Material

Steel (Cf53 or C55R), hardened, rust proof chrome plated (X90CrMoV5).

Technical Notes

Tolerance T7 - 50µ/300mm.

For ball screw nuts L1379.F (flanged) and L1379.C (cylindrical).

For end machining of ball screws to suit miniature or standard ball screw support units please see technical pages.

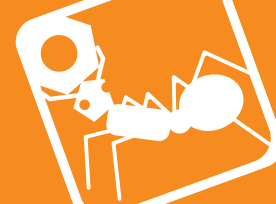
We provide a service to cut and machine ball screws as required.

Chrome plating for use in food industry etc. contains 98% pure chromium.

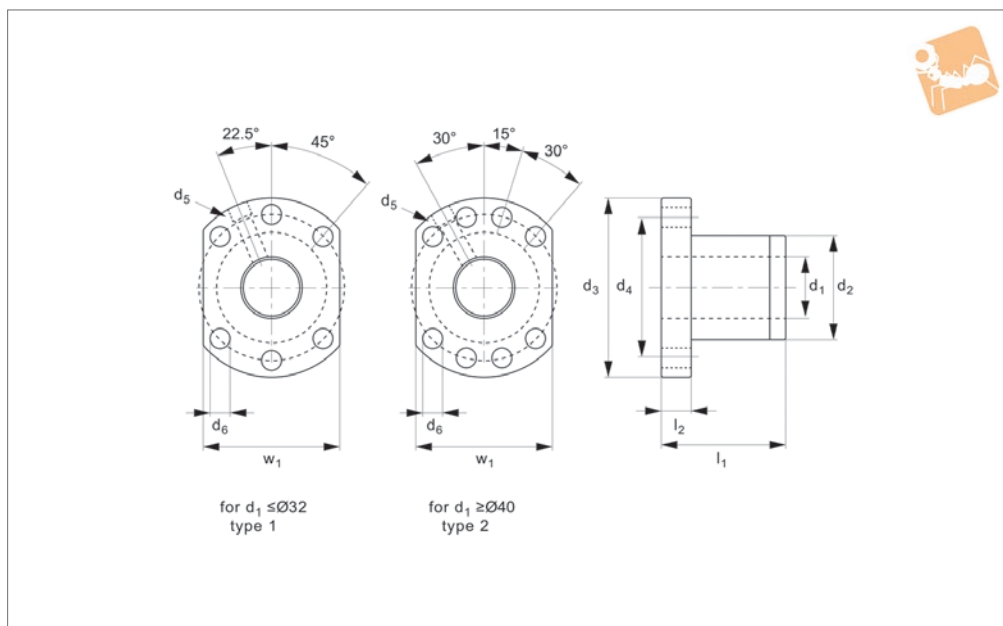
Tips

Do not remove the ball nut from the sleeve that it comes with prior to installation - the balls come free rendering the ball nut unusable. Offer up the ball nut still on it's mounting sleeve to the ball screw and screw carefully on.

Order No.	d ₁	d ₂ core dia.	l ₁	Lead w ₁	Mass moment of inertia kg·m ²	Size dia. x lead	Weight kg
L1379.14-20-0100	14	13.21	100	2	2,01x10 ⁻⁵	14x2	0.08
L1379.14-20-0200	14	13.21	200	2	2,01x10 ⁻⁵	14x2	0.17
L1379.14-20-0300	14	13.21	300	2	2,01x10 ⁻⁵	14x2	0.26
L1379.14-20-0400	14	13.21	400	2	2,01x10 ⁻⁵	14x2	0.34
L1379.14-20-0500	14	13.21	500	2	2,01x10 ⁻⁵	14x2	0.46
L1379.14-20-0600	14	13.21	600	2	2,01x10 ⁻⁵	14x2	0.51
L1379.14-20-0700	14	13.21	700	2	2,01x10 ⁻⁵	14x2	0.60
L1379.14-20-0800	14	13.21	800	2	2,01x10 ⁻⁵	14x2	0.68
L1379.14-20-0900	14	13.21	900	2	2,01x10 ⁻⁵	14x2	0.77
L1379.14-20-1000	14	13.21	1000	2	2,01x10 ⁻⁵	14x2	0.85



L1370.L



Material

Steel (16MnCr5 or 100Cr6), with Vulkolan seals.

Technical Notes

To DIN 69051 form B.

Axial play for 5mm pitch = 0,05mm; for 10mm pitch = 0,10mm; for multi-starts = 0,20mm.

Preload max. 5% of max. dynamic load.

For axial run-out, concentricity and parallelism figures see technical pages.

With lubrication and fixing holes.

For use with ball screws no. L1375.

Tips

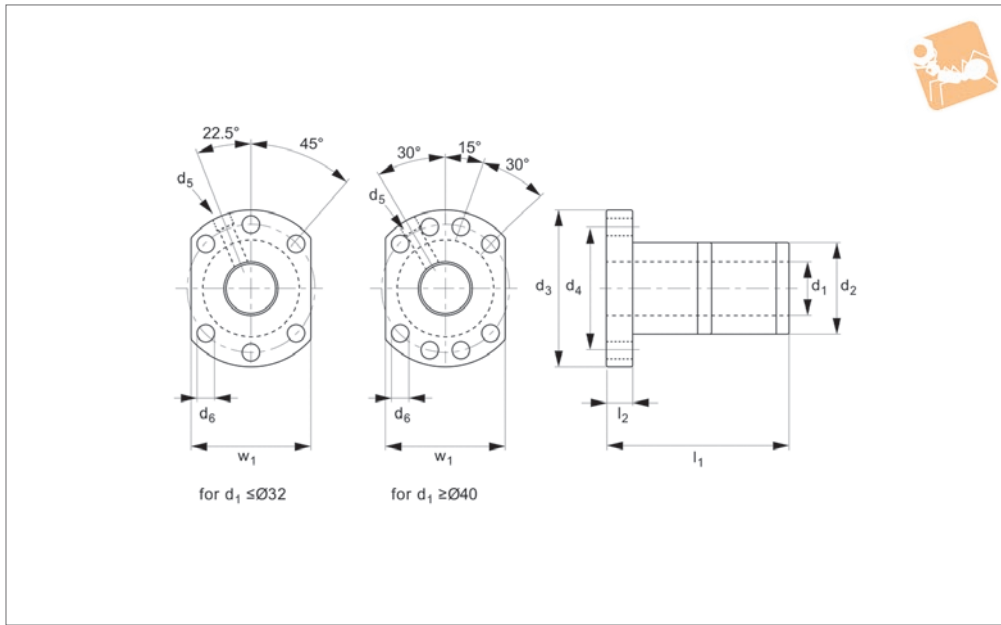
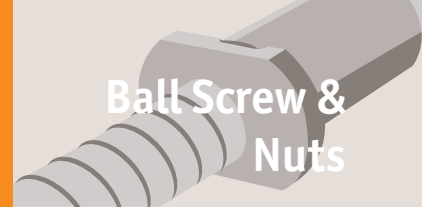
For easy mounting of the ball screw nuts see the nut bracket - part L1377.

For miniature ball screws $\varnothing 6$ to $\varnothing 14$ see part no. L1379.

Important Notes

Fit ball nut to screw using the sleeve provided. Offer up the ball nut to the screw and slide carefully on. Do not remove the ball nut from the sleeve provided - the ball bearings can come loose rendering the ball nut unusable.

Order No.	Lead	d ₁ for screw	Type	l ₁	d ₂ tol. G6	d ₃ ±0.15	d ₄ ±0.15	d ₅ for	d ₆	l ₂	w ₁ ±0.15	Ball dia.	Dyn. load C kN max.	Static load C ₀ kN max.	Stiffness N/μm
L1370.16L-05	5	16	Type 1	45	28	48	38	M 6	5,5	10	40	3,175	13,53	29,92	314
L1370.16L-10	10	16	Type 1	57	28	48	38	M 6	5,5	10	40	3,175	10,82	23,55	255
L1370.20L-05	5	20	Type 1	51	36	58	47	M 6	6,6	10	44	3,175	15,21	38,00	382
L1370.25L-05	5	25	Type 1	51	40	62	51	M 6	6,6	10	48	3,175	16,91	48,09	441
L1370.25L-10	10	25	Type 1	80	40	62	51	M 6	6,6	12	48	4,762	28,96	71,54	490
L1370.32L-05	5	32	Type 1	52	50	80	65	M 6	9,0	12	62	3,175	18,85	62,21	529
L1370.32L-10	10	32	Type 1	85	50	80	65	M 6	9,0	12	62	6,350	47,12	119,72	598
L1370.40L-05	5	40	Type 2	55	63	93	78	M 8	9,0	14	70	3,175	20,69	78,34	617
L1370.40L-10	10	40	Type 2	88	63	93	78	M 8	9,0	14	70	6,340	52,95	152,00	715
L1370.50L-10	10	50	Type 2	88	75	110	93	M 8	11,0	16	85	6,350	58,88	192,35	833
L1370.63L-10	10	63	Type 2	93	90	125	108	M 8	11,0	18	95	6,350	65,89	248,68	970
L1370.80L-10	10	80	Type 2	93	105	145	125	M 8	13,5	20	110	6,350	72,04	313,36	1068



L1371.L

BALL SCREW & NUTS

Material

Steel (16MnCr5 or 100Cr6), with Vulkolan seals.

Technical Notes

Axial play for 5mm pitch = 0,05mm; for 10mm pitch = 0,10mm; for multi-starts = 0,20mm.
Preload max. 5% of max. dynamic load.

For axial run-out, concentricity and parallelism figures see technical pages.
With lubrication and fixing holes.
For use with ball screws no. L1375.

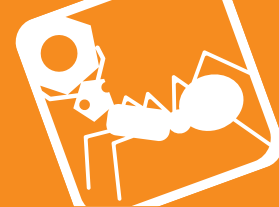
Tips

For miniature ball screws $\text{Ø}6$ to $\text{Ø}14$ see part no. L1379.

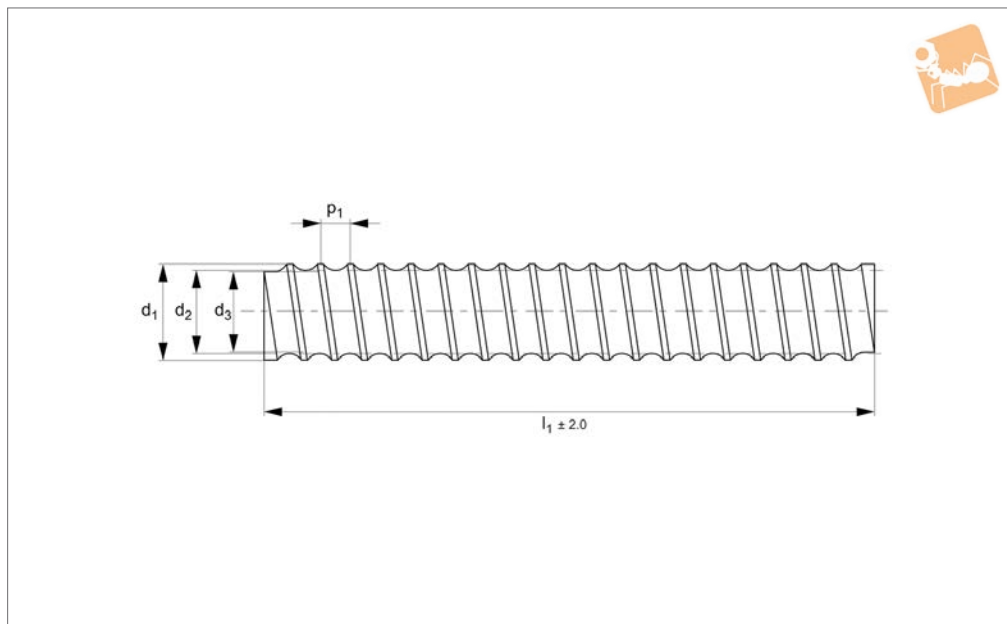
Important Notes

Fit ball nut to screw using the sleeve provided. Offer up the ball nut to the screw and slide carefully on. Do not remove the ball nut from the sleeve provided - the ball bearings can come loose rendering the ball nut unusable.

Order No.	d_1 for screw	Pitch	l_1	d_2 tol. G6	d_3	d_4	d_5 for	d_6	l_2	w_1 ± 0.15	Ball dia.	Dyn. load C kN max.	Static load C_0 kN max.	Stiffness N/ μ m
L1371.16L-05	16	5	100	28	48	38	M 6	5.5	10	40	3.175	13.53	29.93	431
L1371.20L-05	20	5	101	36	55	47	M 6	7.0	10	44	3.175	15.21	38.00	519
L1371.25L-05	25	5	101	40	62	51	M 6	7.0	10	48	3.175	16.91	48.09	608
L1371.32L-05	32	5	102	50	70	65	M 6	7.0	12	62	3.175	18.85	62.21	725
L1371.32L-10	32	10	162	50	80	65	M 8	7.0	12	62	6.350	47.12	119.72	804
L1371.40L-05	40	5	105	63	80	78	M 6	7.0	14	70	3.175	20.69	78.34	853
L1371.40L-10	40	10	165	63	95	78	M 8	9.0	14	70	6.350	52.92	152.00	970
L1371.50L-10	50	10	171	75	110	93	M 8	11.0	16	85	6.350	58.88	192.35	1147



L1375.16L



Material

Steel (CF53 or C55R), induction hardened to 60 HRC ± 2 , polished.

Technical Notes

Gothic profile with a 5 or 10mm lead. Tolerance T7 - 50 μ /300mm. Shorter lengths or longer lengths up to a maximum of 3000mm available.

For ball screw nuts see parts L1370.L& L1371.L - these are left hand nuts. For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request.

Tips

These are non-standard left hand thread

ball screws.

Important Notes

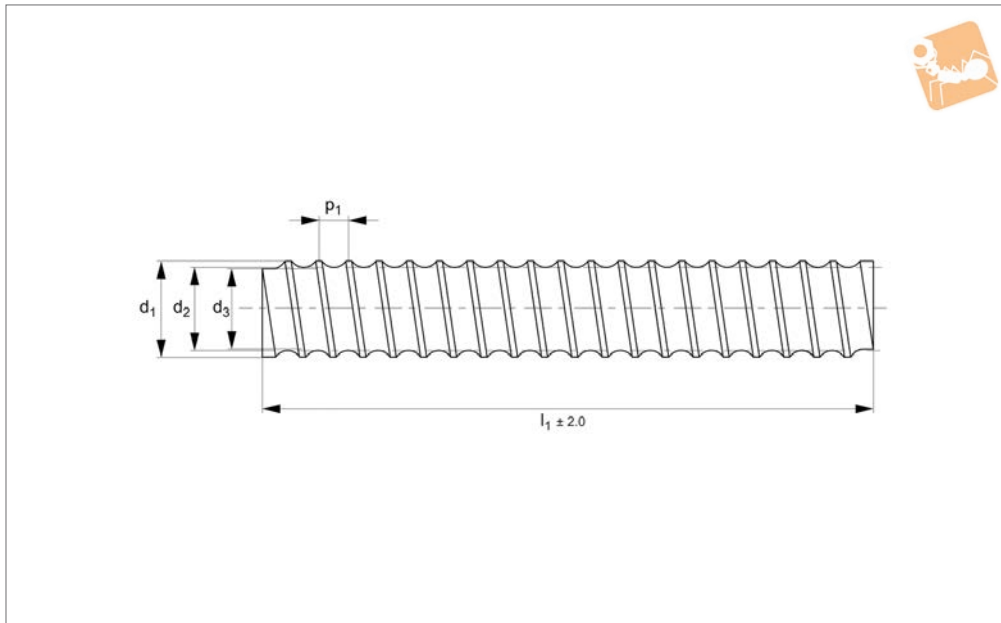
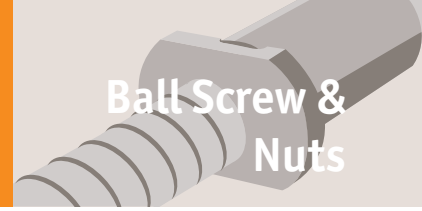
Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

Order No.	Screw dia. x lead	Lead	d ₁	l ₁	d ₂	d ₃	Mass moment of inertia kg·m ²	Weight kg
L1375.16L-05-0500	16x 5	5	17.08	500	16	13.90	4,45x10 ⁻⁵	0.71
L1375.16L-05-0600	16x 5	5	17.08	600	16	13.90	4,45x10 ⁻⁵	0.85
L1375.16L-05-0800	16x 5	5	17.08	800	16	13.90	4,45x10 ⁻⁵	1.13
L1375.16L-05-1000	16x 5	5	17.08	1000	16	13.90	4,45x10 ⁻⁵	1.41
L1375.16L-05-1500	16x 5	5	17.08	1500	16	13.90	4,45x10 ⁻⁵	2.12
L1375.16L-05-2000	16x 5	5	17.08	2000	16	13.90	4,45x10 ⁻⁵	2.82
L1375.16L-05-2500	16x 5	5	17.08	2500	16	13.90	4,45x10 ⁻⁵	3.53
L1375.16L-05-3000	16x 5	5	17.08	3000	16	13.90	4,45x10 ⁻⁵	4.23



Left Hand Ø 20 Ball Screws rolled

Ball Screw & Nuts



L1375.20L

BALL SCREW & NUTS

Material

Steel (CF53 or C55R), induction hardened to 60 HRC ± 2 , polished.

Technical Notes

Gothic profile with a 5, 20 or 50mm lead. Tolerance T7 - 50 μ /300mm. Shorter lengths or longer lengths up to a maximum of 3000mm available. For ball screw nuts see parts L1370.L &

L1371.L - these are left hand nuts. For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request. Also available as a left hand thread for 5mm pitch.

Tips

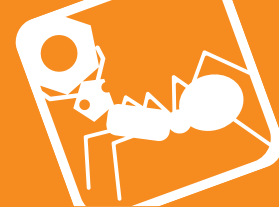
These are non-standard left hand thread

ball screws.

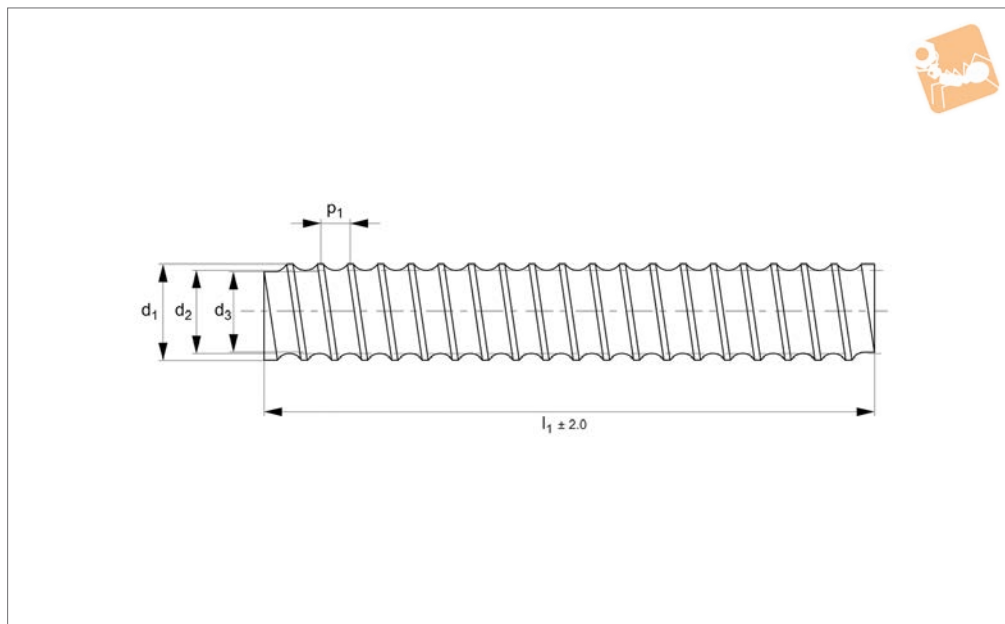
Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

Order No.	Screw dia. x lead	d ₁	l ₁	Lead w ₁	d ₂	d ₃	Mass moment of inertia kg·m ²	Weight kg
L1375.20L-05-0500	20x 5	21.08	500	5	20	17.9	1,12x10 ⁻⁴	1.18
L1375.20L-05-0600	20x 5	21.08	600	5	20	17.9	1,12x10 ⁻⁴	1.41
L1375.20L-05-0800	20x 5	21.08	800	5	20	17.9	1,12x10 ⁻⁴	1.88
L1375.20L-05-1000	20x 5	21.08	1000	5	20	17.9	1,12x10 ⁻⁴	2.35
L1375.20L-05-1500	20x 5	21.08	1500	5	20	17.9	1,12x10 ⁻⁴	3.53
L1375.20L-05-2000	20x 5	21.08	2000	5	20	17.9	1,12x10 ⁻⁴	4.70
L1375.20L-05-2500	20x 5	21.08	2500	5	20	17.9	1,12x10 ⁻⁴	5.88
L1375.20L-05-3000	20x 5	21.08	3000	5	20	17.9	1,12x10 ⁻⁴	7.05



L1375.25L



Material

Steel (CF53 or C55R), induction hardened to 60 HRC ± 2 , polished.

Technical Notes

Gothic profile with a 5, 10 or 2mm lead. Tolerance T7 - 50 μ /300mm. Shorter lengths or longer lengths up to a maximum of 6000mm available.

For ball screw nuts see parts L1370.L & L1371.L - these are left hand nuts. For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request.

Tips

These are non-standard left hand thread

ball screws.

Important Notes

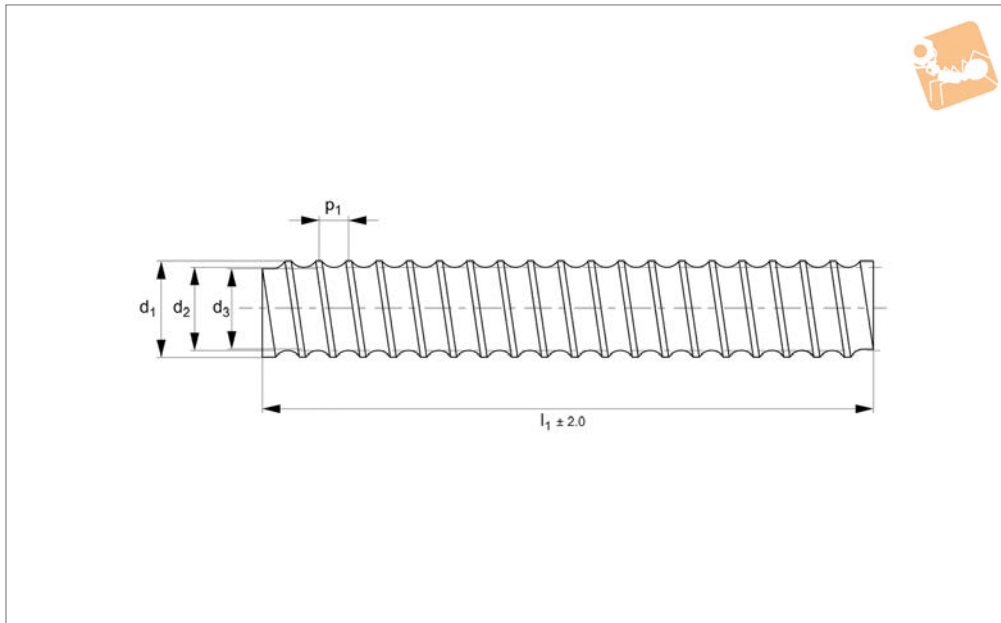
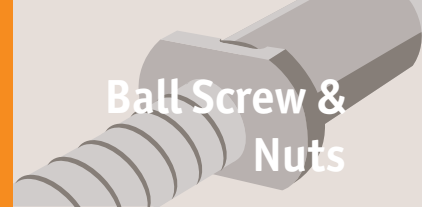
Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

Order No.	Screw dia. x lead	d ₁	l ₁	Lead w ₁	d ₂	d ₃	Mass moment of inertia kg·m ²	Weight kg
L1375.25L-05-0500	25x 5	26.08	500	5	25	22.9	2,62x10 ⁻⁴	1.80
L1375.25L-05-0600	25x 5	26.08	600	5	25	22.9	2,62x10 ⁻⁴	2.15
L1375.25L-05-0800	25x 5	26.08	800	5	25	22.9	2,62x10 ⁻⁴	2.87
L1375.25L-05-1000	25x 5	26.08	1000	5	25	22.9	2,62x10 ⁻⁴	3.59
L1375.25L-05-1500	25x 5	26.08	1500	5	25	22.9	2,62x10 ⁻⁴	5.39
L1375.25L-05-2000	25x 5	26.08	2000	5	25	22.9	2,62x10 ⁻⁴	7.18
L1375.25L-05-2500	25x 5	26.08	2500	5	25	22.9	2,62x10 ⁻⁴	8.98
L1375.25L-05-3000	25x 5	26.08	3000	5	25	22.9	2,62x10 ⁻⁴	10.77
L1375.25L-05-3500	25x 5	26.08	3500	5	25	22.9	2,62x10 ⁻⁴	2.87
L1375.25L-05-4000	25x 5	26.08	4000	5	25	22.9	2,62x10 ⁻⁴	3.59
L1375.25L-05-4500	25x 5	26.08	4500	5	25	22.9	2,62x10 ⁻⁴	5.39
L1375.25L-05-5000	25x 5	26.08	5000	5	25	22.9	2,62x10 ⁻⁴	7.18
L1375.25L-05-5500	25x 5	26.08	5500	5	25	22.9	2,62x10 ⁻⁴	8.98
L1375.25L-05-6000	25x 5	26.08	6000	5	25	22.9	2,62x10 ⁻⁴	10.77
L1375.25L-10-0500	25x10	26.08	500	10	25	22.9	2,62x10 ⁻⁴	1.80
L1375.25L-10-0600	25x10	26.08	600	10	25	22.9	2,62x10 ⁻⁴	2.15
L1375.25L-10-0800	25x10	26.08	800	10	25	22.9	2,62x10 ⁻⁴	2.87
L1375.25L-10-1000	25x10	26.08	1000	10	25	22.9	2,62x10 ⁻⁴	3.59
L1375.25L-10-1500	25x10	26.08	1500	10	25	22.9	2,62x10 ⁻⁴	5.39
L1375.25L-10-2000	25x10	26.08	2000	10	25	22.9	2,62x10 ⁻⁴	7.18
L1375.25L-10-2500	25x10	26.08	2500	10	25	22.9	2,62x10 ⁻⁴	8.98
L1375.25L-10-3000	25x10	26.08	3000	10	25	22.9	2,62x10 ⁻⁴	10.77
L1375.25L-10-3500	25x10	26.08	3500	10	25	22.9	2,62x10 ⁻⁴	2.87
L1375.25L-10-4000	25x10	26.08	4000	10	25	22.9	2,62x10 ⁻⁴	3.59
L1375.25L-10-4500	25x10	26.08	4500	10	25	22.9	2,62x10 ⁻⁴	5.39
L1375.25L-10-5000	25x10	26.08	5000	10	25	22.9	2,62x10 ⁻⁴	7.18
L1375.25L-10-5500	25x10	26.08	5500	10	25	22.9	2,62x10 ⁻⁴	8.98
L1375.25L-10-6000	25x10	26.08	6000	10	25	22.9	2,62x10 ⁻⁴	10.77



Left Hand Ø 32 Ball Screws rolled

Ball Screw & Nuts



L1375.32L

BALL SCREW & NUTS

Material

Steel (CF53 or C55R), induction hardened to 60 HRC ± 2 , polished.

Technical Notes

Gothic profile with a 5, 10, 20 or 40mm lead.

Tolerance T7 - 50 μ /300mm. Shorter lengths or longer lengths up to a maximum of 6000mm available.

For ball screw nuts see parts L1370.L &

L1371.L - these are left hand nuts.

For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request.

Also available as a left hand thread for 5mm pitch.

Tips

These are non-standard left hand thread ball screws.

Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

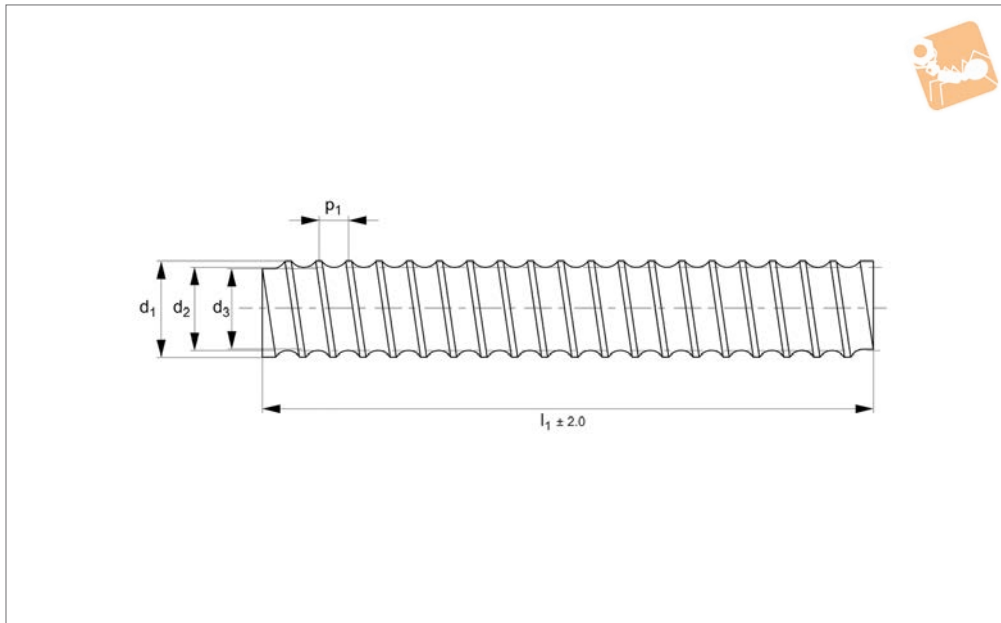
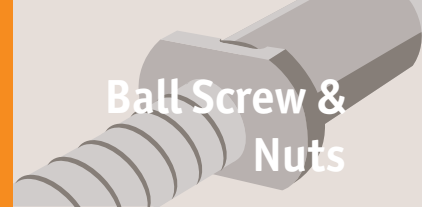
Order No.	Screw dia. x lead	d ₁	l ₁	Lead w ₁	d ₂	d ₃	Mass moment of inertia kg·m ²	Weight kg
L1375.32L-05-0500	32x 5	33.08	500	5	32	29.9	7,25x10 ⁻⁴	2.99
L1375.32L-05-0600	32x 5	33.08	600	5	32	29.9	7,25x10 ⁻⁴	3.59
L1375.32L-05-0800	32x 5	33.08	800	5	32	29.9	7,25x10 ⁻⁴	4.78
L1375.32L-05-1000	32x 5	33.08	1000	5	32	29.9	7,25x10 ⁻⁴	5.98
L1375.32L-05-1500	32x 5	33.08	1500	5	32	29.9	7,25x10 ⁻⁴	8.97
L1375.32L-05-2000	32x 5	33.08	2000	5	32	29.9	7,25x10 ⁻⁴	11.96
L1375.32L-05-2500	32x 5	33.08	2500	5	32	29.9	7,25x10 ⁻⁴	14.95
L1375.32L-05-3000	32x 5	33.08	3000	5	32	29.9	7,25x10 ⁻⁴	17.94
L1375.32L-05-3500	32x 5	33.08	3500	5	32	29.9	7,25x10 ⁻⁴	4.78
L1375.32L-05-4000	32x 5	33.08	4000	5	32	29.9	7,25x10 ⁻⁴	5.98
L1375.32L-05-4500	32x 5	33.08	3500	5	32	29.9	7,25x10 ⁻⁴	8.97
L1375.32L-05-5000	32x 5	33.08	4000	5	32	29.9	7,25x10 ⁻⁴	11.96
L1375.32L-05-5500	32x 5	33.08	4500	5	32	29.9	7,25x10 ⁻⁴	14.95
L1375.32L-05-6000	32x 5	33.08	6000	5	32	29.9	7,25x10 ⁻⁴	17.94
L1375.32L-10-0500	32x10	34.15	500	10	32	27.8	7,69x10 ⁻⁴	3.08
L1375.32L-10-0600	32x10	34.15	600	10	32	27.8	7,69x10 ⁻⁴	3.70
L1375.32L-10-0800	32x10	34.15	800	10	32	27.8	7,69x10 ⁻⁴	4.93
L1375.32L-10-1000	32x10	34.15	1000	10	32	27.8	7,69x10 ⁻⁴	6.16
L1375.32L-10-1500	32x10	34.15	1500	10	32	27.8	7,69x10 ⁻⁴	9.24
L1375.32L-10-2000	32x10	34.15	2000	10	32	27.8	7,69x10 ⁻⁴	12.32
L1375.32L-10-2500	32x10	34.15	2500	10	32	27.8	7,69x10 ⁻⁴	15.40
L1375.32L-10-3000	32x10	34.15	3000	10	32	27.8	7,69x10 ⁻⁴	18.48
L1375.32L-10-3500	32x10	33.08	3500	10	32	29.9	7,25x10 ⁻⁴	4.78
L1375.32L-10-4000	32x10	33.08	4000	10	32	29.9	7,25x10 ⁻⁴	5.98
L1375.32L-10-4500	32x10	33.08	4500	10	32	29.9	7,25x10 ⁻⁴	8.97
L1375.32L-10-5000	32x10	33.08	5000	10	32	29.9	7,25x10 ⁻⁴	11.96



Order No.	Screw dia. x lead	d_1	l_1	Lead w_1	d_2	d_3	Mass moment of inertia $\text{kg}\cdot\text{m}^2$	Weight kg
L1375.32L-10-5500	32x10	33.08	5500	10	32	29.9	$7,25 \times 10^{-4}$	14.95
L1375.32L-10-6000	32x10	33.08	6000	10	32	29.9	$7,25 \times 10^{-4}$	17.94



Left Hand Ø 40 Ball Screws rolled



L1375.40L

BALL SCREW & NUTS

Material

Steel (CF53 or C55R), induction hardened to 60 HRC ± 2 , polished.

Technical Notes

Gothic profile with a 5, 10 or 20mm lead. Tolerance T7 - 50 μ /300mm. Shorter lengths or longer lengths up to a maximum of 6000mm available.

For ball screw nuts see parts L1370.L & L1371.L - these are left hand nuts. For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request.

Tips

These are non-standard left hand thread

ball screws.

Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.

Order No.	Screw dia. x lead	d ₁	l ₁	Lead w ₁	d ₂	d ₃	Mass moment of inertia kg·m ²	Weight kg
L1375.40L-05-0500	40x 5	41.08	500	5	40	37.9	1,81x10 ⁻³	4.72
L1375.40L-05-0600	40x 5	41.08	600	5	40	37.9	1,81x10 ⁻³	5.66
L1375.40L-05-0800	40x 5	41.08	800	5	40	37.9	1,81x10 ⁻³	7.55
L1375.40L-05-1000	40x 5	41.08	1000	5	40	37.9	1,81x10 ⁻³	9.44
L1375.40L-05-1500	40x 5	41.08	1500	5	40	37.9	1,81x10 ⁻³	14.16
L1375.40L-05-2000	40x 5	41.08	2000	5	40	37.9	1,81x10 ⁻³	18.88
L1375.40L-05-2500	40x 5	41.08	2500	5	40	37.9	1,81x10 ⁻³	23.60
L1375.40L-05-3000	40x 5	41.08	3000	5	40	37.9	1,81x10 ⁻³	28.32
L1375.40L-05-3500	40x 5	41.08	3500	5	40	37.9	1,81x10 ⁻³	7.55
L1375.40L-05-4000	40x 5	41.08	4000	5	40	37.9	1,81x10 ⁻³	9.44
L1375.40L-05-4500	40x 5	41.08	4500	5	40	37.9	1,81x10 ⁻³	14.16
L1375.40L-05-5000	40x 5	41.08	5000	5	40	37.9	1,81x10 ⁻³	18.88
L1375.40L-05-5500	40x 5	41.08	5500	5	40	37.9	1,81x10 ⁻³	23.60
L1375.40L-05-6000	40x 5	41.08	6000	5	40	37.9	1,81x10 ⁻³	28.32
L1375.40L-10-0500	40x10	42.15	500	10	40	35.8	1,66x10 ⁻³	4.51
L1375.40L-10-0600	40x10	42.15	600	10	40	35.8	1,66x10 ⁻³	5.41
L1375.40L-10-0800	40x10	42.15	800	10	40	35.8	1,66x10 ⁻³	7.22
L1375.40L-10-1000	40x10	42.15	1000	10	40	35.8	1,66x10 ⁻³	9.02
L1375.40L-10-1500	40x10	42.15	1500	10	40	35.8	1,66x10 ⁻³	13.53
L1375.40L-10-2000	40x10	42.15	2000	10	40	35.8	1,66x10 ⁻³	18.04
L1375.40L-10-2500	40x10	42.15	2500	10	40	35.8	1,66x10 ⁻³	22.55
L1375.40L-10-3000	40x10	42.15	3000	10	40	35.8	1,66x10 ⁻³	27.06
L1375.40L-10-3500	40x10	41.08	3500	10	40	37.9	1,81x10 ⁻³	7.55
L1375.40L-10-4000	40x10	41.08	4000	10	40	37.9	1,81x10 ⁻³	9.44
L1375.40L-10-4500	40x10	41.08	4500	10	40	37.9	1,81x10 ⁻³	14.16
L1375.40L-10-5000	40x10	41.08	5000	10	40	37.9	1,81x10 ⁻³	18.88
L1375.40L-10-5500	40x10	41.08	5500	10	40	37.9	1,81x10 ⁻³	23.60
L1375.40L-10-6000	40x10	41.08	6000	10	40	37.9	1,81x10 ⁻³	28.32