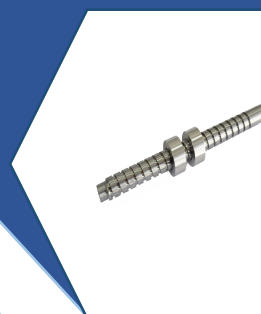
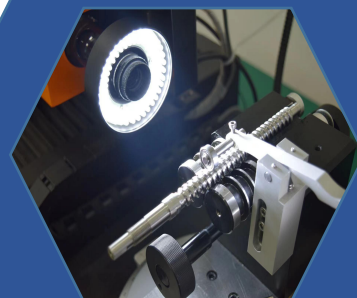
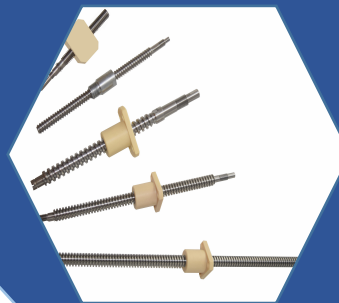


Series

PRODUCT CATALOG

LEAD SCREW SYSTEM



Lead Screw Assemblies Basic Nominal Diameter and Lead

	Lead/mm											
		1	2	3	4	5	6	7	8	9	10	12
Nominal diameter (mm)	6											
	8											
	10											
	12											
	14											
	16											
	18											
	20											
	22											
	25											
	30											
	40											
	50											
	60											
	70											
	80											

Note: Other non-Standard shaft diameters and leads can be customized

Lead Screw Assembly Ordering Code

Lead Screw Assembly	TR	12	x03	R	100	R	200	C
Lead Screw Model: TR:Metric Trapezoidal Screw A:ACME Trapezoidal Screw ST:STACME Trapezoidal Screw M:Triangular Thread Sliding Screw								
Nominal Diameter(mm)								
Lead(mm)								
Lead Screw Forming Process: R:Rolled G:Ginded C:Cutting								
Screw Thread Length(mm)								
Thread Direction: R:Right -hand L:Left -hand L/R:Left/Right-hand								
Screw Shaft Total Length								
Screw Shaft Material: C:Carbon Steel S:Stainless Steel								

Specification table of trapezoidal screw rod

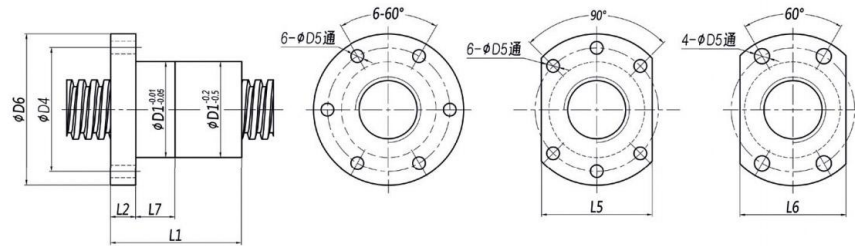
Modle	lead	Transmission Efficiency		Dynamic Coa	Allowable thrust N	Static N
		Plastic	Bronze			
Tr2x2	2	31	22	3000	3920	20200
Tr4x3	3	37	27	2300	4900	16900
Tr6x3	3	34	24	5200	6670	31500
Tr8x4	4	38	27	6300	8730	42000
Tr20x4	4	35	25	9800	9800	37200
Tr22x5	5	39	28	14000	12400	48600
Tr24x5	5	36	26	20000	14200	39800
Tr28x5	5	33	23	27500	17900	69200
Tr32x6	6	34	24	35000	21100	54200
Tr36x6	6	31	22	42000	25800	84500
Tr40x7	7	32	22	46000	36985	82800
Tr44x7	7	30	21	65000	41520	110500
Tr50x8	8	30	21	85000	50100	128000
Tr60x9	9	29	20	14000	98000	224000
Tr70x10	10	27	19	200000	134000	340000
Tr80x10	10	25	17	220000	152000	396000

*The nominal diameter of the minimum screw rod can be 1.8mm; the minimum lead can be 0.1 mm.

*Non-standard diameter and lead can be customized, welcome to inquire.

*It can be made of screw rods and nuts of different materials.

Lead Screw Nut



d:NOMinal Diameter

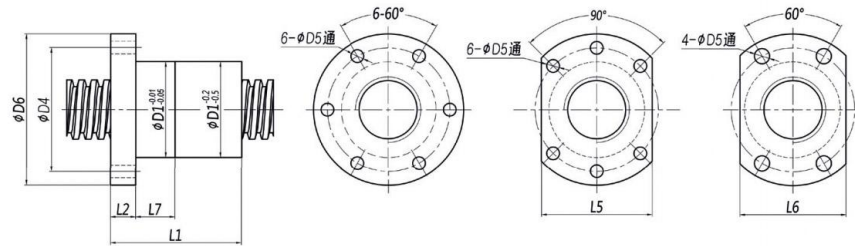
I:Lead

i:Thread number

Size dxIxi	D1	D4	D5	D6	L1	L2	L5	L6	L7	Rateload kN
10x2x1	22	32	5.5	42	35	8	33	24	10	1.7
10x3x1	22	32	5.5	42	35	8	33	24	10	1.6
12x3x1	22	32	5.5	42	35	8	33	24	10	2
12x6x2	22	32	5.5	42	35	8	33	24	10	2
14x3x1	28	38	5.5	48	42	10	39	30	10	2.8
14x4x1	28	38	5.5	48	42	10	39	30	10	3.4
16x2x1	28	38	5.5	48	42	10	39	30	10	3.4
16x4x1	28	38	5.5	48	42	10	39	30	10	3.2
16x8x2	28	38	5.5	48	42	10	39	30	10	3.2
18x4x1	36	47	6.6	58	42	10	48	38	10	3.6
18x8x2	36	47	6.6	58	42	10	48	38	10	3.6
20x4x1	36	47	6.6	58	42	10	48	38	10	4.1
20x8x2	36	47	6.6	58	42	10	48	38	10	4.1
20x16x4	36	47	6.6	58	42	10	48	38	10	4.1
20x20x5	36	47	6.6	58	42	10	48	38	10	4.1
22x5x1	40	51	6.6	62	42	10	52	42	10	4.5
22x10x2	40	51	6.6	62	42	10	52	42	10	4.5
22x24x6	40	51	6.6	62	42	10	52	42	10	5.6
24x5x1	40	51	6.6	62	42	10	52	42	10	5
24x10x2	40	51	6.6	62	42	10	52	42	10	5
26x5x1	50	65	9	80	55	12	66	52	10	7.1
28x5x1	50	65	9	80	55	12	66	52	10	7.1
30x6x1	50	65	9	80	55	12	66	52	10	8.1
30x12x2	50	65	9	80	55	12	66	52	10	8.1
32x6x1	63	78	9	93	57	14	79	65	10	9
36x6x1	63	78	9	93	57	14	79	65	10	10
40x7x1	63	78	9	93	57	14	79	65	10	11.4
40x14x2	63	78	9	93	57	14	79	65	10	11.4
44x7x1	75	93	11	110	95	16	94	77	16	21.1

Not:The rated load in the table is for copper nuts.

Lead Screw Nut



d:NOMinal Diameter

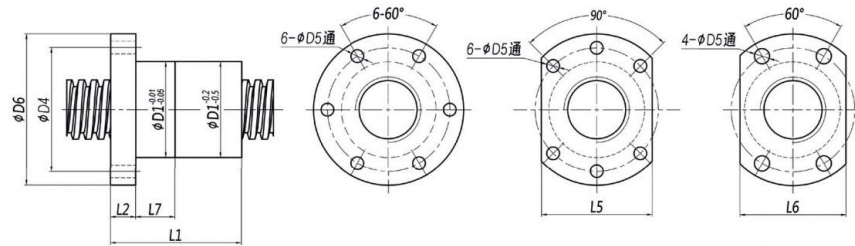
I:Lead

i:Thread number

Size dxIxi	D1	D4	D5	D6	L1	L2	L5	L6	L7	Rateload kN
48x8x1	75	93	11	110	95	16	94	77	16	22.9
50x8x1	75	93	11	110	95	16	94	77	16	24
60x9x1	90	108	11	125	97	18	109	92	16	29.6
70x10x1	105	125	14	145	101	22	126	107	16	36
80x10x1	105	125	14	145	101	22	126	107	16	41.6
8x10x2	23.5	32	4.5	42	35	6	33	25	5	0.8
10x12x3	23.5	32	4.5	42	35	6	33	25	5	1.2
12x15x3	23.5	32	4.5	42	35	6	33	25	5	1.4
12x25x5	23.5	32	4.5	42	35	6	33	25	5	1.5
10x50x5	25.5	36	5.5	46	35	10	37	27	8	1.25
11x60x5	25.5	36	5.5	46	35	10	37	27	8	1.5
13x20x5	25.5	36	5.5	46	35	10	37	27	8	1.3
13x70x5	25.5	36	5.5	46	35	10	37	27	8	1.75
14x8x4	25.5	36	5.5	46	35	10	37	27	8	0.9
14x18x3	25.5	36	5.5	46	35	10	37	27	8	1.6
14x30x5	25.5	36	5.5	46	35	10	37	27	8	1.75
15x20x4	29.5	39	5.5	49	42	10	40	31	8	1.6
15x80x5	29.5	39	5.5	49	42	10	40	31	8	2
16x21x3	29.5	39	5.5	49	42	10	40	31	8	1.8
16x25x5	29.5	39	5.5	49	42	10	40	31	8	1.55
16x35x5	29.5	39	5.5	49	42	10	40	31	8	2
16x90x5	29.5	39	5.5	49	42	10	40	31	8	2.25
18x16x2	29.5	39	5.5	49	42	10	40	31	8	1.1
18x24x3	29.5	39	5.5	49	42	10	40	31	8	2
18x40x5	29.5	39	5.5	49	42	10	40	31	8	2.25
18x60x3	29.5	39	5.5	49	42	10	40	31	8	2.5
19x30x10	35.5	47	6.5	59	42	12	48	37	10	1.8
20x12x4	35.5	47	6.5	59	42	12	48	37	10	1.2
20x45x5	35.5	47	6.5	59	42	12	48	37	10	2.5

Not:The rated load in the table is for copper nuts.

Lead Screw Nut



d:NOMinal Diameter

I:Lead

i:Thread number

Size dxIxi	D1	D4	D5	D6	L1	L2	L5	L6	L7	Rateload kN
21x27x3	35.5	47	6.5	59	42	12	48	37	10	2.2
21x35x5	35.5	47	6.5	59	42	12	48	37	10	2.05
22x20x4	35.5	47	6.5	59	42	12	48	37	10	1.4
22x50x5	35.5	47	6.5	59	42	12	48	37	10	2.75
23x30x3	35.5	47	6.5	59	42	12	48	37	10	2.4
24x40x5	35.5	47	6.5	59	42	12	48	37	10	2.3
24x55x5	35.5	47	6.5	59	42	12	48	37	10	3
26x16x4	41.5	53	6.5	64	55	12	54	43	10	1.4
26x24x4	41.5	53	6.5	64	55	12	54	43	10	2
26x60x10	41.5	53	6.5	64	55	12	54	43	10	3.25
27x45x5	41.5	53	6.5	64	55	12	54	43	10	2.55
28x65x5	41.5	53	6.5	64	55	12	54	43	10	3.5
30x28x4	41.5	53	6.5	64	55	12	54	43	10	2
30x50x5	41.5	53	6.5	64	55	12	54	43	10	2.8
30x70x5	41.5	53	6.5	64	55	12	54	43	10	3.75
32x20x4	49.5	65	9	80	70	14	66	51	10	2
32x75x5	49.5	65	9	80	70	14	66	51	10	4
34x32x4	49.5	65	9	80	70	14	66	51	10	2.3
34x80x5	49.5	65	9	80	70	14	66	51	10	4.25
36x200x5	49.5	65	9	80	70	14	66	51	10	4.5

Not:The rated load in the table is for copper nuts.



Series

Series Motion Industry Co., Ltd

Tel&Whatsapp: +86-18655195022

E-mail:info@seriesmotionindustry.com

www.seriesmotionindustry.com

