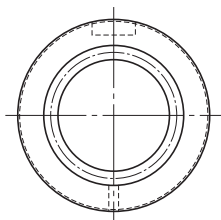


Model DC



Lead Screw Nut Model No.	Outer dimensions			Lead screw nut dimensions					
	Outer diameter		L 0 -0.3	Keyway dimensions				d	r
	D	Tolerance h9		b	Tolerance N9	t	ℓ		
DC 12	22	0 -0.052	22	4	0 -0.030	2	16	1.5	1
DC 14	22		22	4		2	16	1.5	1
DC 16	28		26	5		2.5	18	1.5	1
DC 18	32	0 -0.062	31	7	0 -0.036	2.5	22	2	1
DC 20	32		31	7		2.5	22	2	1
DC 22	36		40	7		2.5	26	2.5	1
DC 25	36		40	7		2.5	26	2.5	1
DC 28	44		45	10		4	32	2.5	1.5
DC 32	44	0 -0.074	45	10	0 -0.043	4	32	2.5	1.5
DC 36	52		49	12		4.5	40	3	1.5
DC 40	58		57	15		5	42	3	1.5
DC 45	64		62	15		5	48	4	1.5
DC 50	68		67	15		5	52	4	1.5

¹ In the dimensional table, standard shaft length and maximum shaft length are values for rolled shafts (T).
² The dynamic permissible thrust (F) indicates the torque at which the contact surface pressure on the screw tooth surface is 9.8 N/mm².
The maximum axial load (both when stopped and during operation) is set to the dynamic permissible thrust or below, and it must be selected while taking into consideration the safety factors of Table 1 on **A16-5**.
Note: Cut shafts (K) are made to order. For maximum shaft lengths of cut shafts (K), contact THK.

Model number coding

Combination of lead screw nut and screw shaft

2

DC20

+1500L

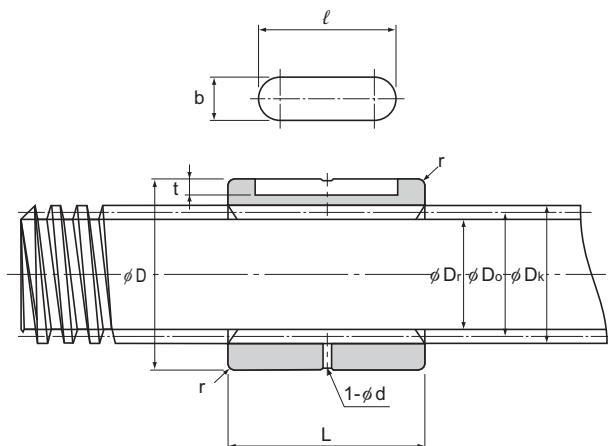
T

Overall screw shaft length
(in mm)

Model number of
lead screw nut

How the screw shaft is processed
(T: rolled shaft)

Number of lead screw nuts used on the same shaft



Unit: mm

	Screw shaft Model No.	Screw shaft details					Standard shaft length ¹	Maximum shaft length ¹	Dynamic permissible thrust F ² N	Mass	
		Outer diameter D _e	Effective diameter D _o	Thread minor diameter D _r	Lead R	Lead angle α				Screw nut g	Screw shaft kg/m
	CS 12	12	11	9.5	2	3°19′	1000	1500	2840	40	0.8
	CS 14	14	12.5	10.5	3	4°22′	1000	1500	3630	45	1
	CS 16	16	14.5	12.5	3	3°46′	1000	1500	4900	75	1.3
	CS 18	18	16	13.5	4	4°33′	1000	2000	6860	120	1.6
	CS 20	20	18	15.5	4	4°03′	1500	2000	7650	110	2
	CS 22	22	19.5	16.5	5	4°40′	1500	2500	9900	180	2.3
	CS 25	25	22.5	19.5	5	4°03′	1500	3000	11400	155	3.1
	CS 28	28	25.5	22.5	5	3°34′	2000	3000	14400	280	4
	CS 32	32	29	25.5	6	3°46′	2000	4000	17100	230	5.2
	CS 36	36	33	29.5	6	3°19′	2000	4000	21200	380	6.7
	CS 40	40	37	33.5	6	2°57′	2000	4000	27500	520	8.4
	CS 45	45	41	36.5	8	3°33′	3000	5000	34900	730	10.4
	CS 50	50	46	41.5	8	3°10′	3000	5000	42100	810	13

Lead Screw Nut

Model number coding

- Lead screw nut only

DC20

Model number of
lead screw nut

- Screw shaft

CS20 T +1500L

Model number of
screw shaft

How the screw shaft
is processed
(T: rolled shaft)

Overall screw shaft length
(in mm)