

30° Trapezoidal Feed Screw

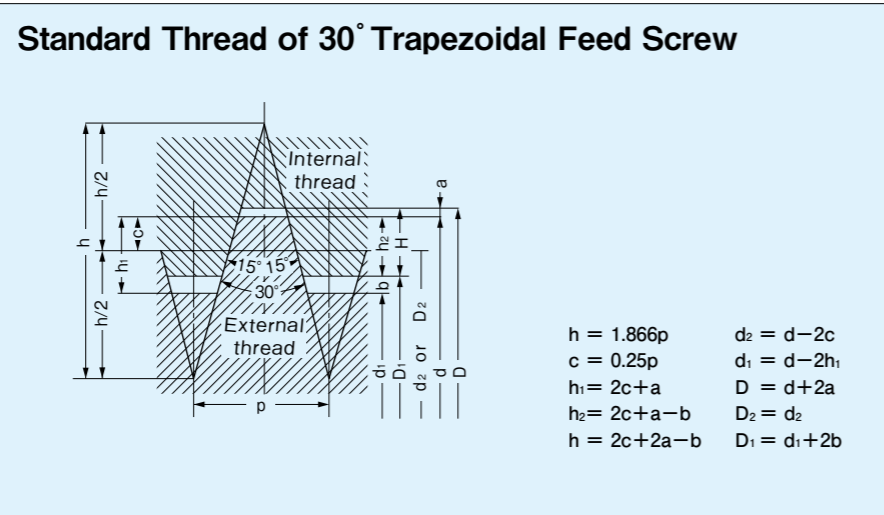
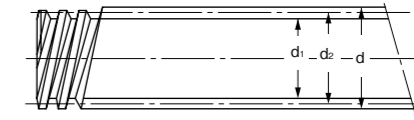


Chart of 30° Trapezoidal Feed Screw



Unit : mm

Basic Dimensions of 30° Trapezoidal Feed Screw

Unit : mm

Pitch p	Clearance			Thread Overlap h ₂	Height of External Thread h ₁	Height of Internal Thread H	Root Radius r
	a	b	c				
2	0.25	0.50	0.50	0.75	1.25	1.00	0.25
3	0.25	0.50	0.75	1.25	1.75	1.50	0.25
4	0.25	0.50	1.00	1.75	2.25	2.00	0.25
5	0.25	0.75	1.25	2.00	2.75	2.25	0.25
6	0.25	0.75	1.50	2.50	3.25	2.75	0.25
8	0.25	0.75	2.00	3.50	4.25	3.75	0.25

Type	Pitch p	External Thread			Internal Thread		
		Outer Dia. d	Pitch Dia. d ₂	Root Dia. d ₁	Root Dia. D	Pitch Dia. D ₂	Inner Dia. D ₁
TM 8	1.5	8	7.25	6.5	8.5	7.25	7.0
TM10	2	10	9.0	7.5	10.5	9.0	8.5
TM12	2	12	11.0	9.5	12.5	11.0	10.5
TM14	3	14	12.5	10.5	14.5	12.5	11.5
TM16	3	16	14.5	12.5	16.5	14.5	13.5
TM18	4	18	16.0	13.5	18.5	16.0	14.5
TM20	4	20	18.0	15.5	20.5	18.0	16.5
TM22	5	22	19.5	16.5	22.5	19.5	18.0
TM25	5	25	22.5	19.5	25.5	22.5	21.0
TM28	5	28	25.5	22.5	28.5	25.5	24.0
TM32	6	32	29.0	25.5	32.5	29.0	27.0
TM36	6	36	33.0	29.5	36.5	33.0	31.0
TM40	6	40	37.0	33.5	40.5	37.0	35.0
TM50	8	50	46.0	41.5	50.5	46.0	43.0

Materials :

- Screw...S 45 C-D
- Nut...BC-6 or equivalent (RoHS compliant)
- Screws machined with a precision thread rolling machine have maximum precision, minimal abrasion and long life. Both right-twist (R) and left-twist (L) screws are standardized.
- Custom-made products are manufactured upon request.

Type	Length	Pitch P	Nominal Dia.	Pitch Dia. d ₂	Root Dia.
	L		d		d ₁
TM8	500	1.5	8	7.25	6.5
TM10	500 1,000	2	10	9.0	7.5
TM12	500 1,000	2	12	11.0	9.5
TM14	500 1,000	3	14	12.5	10.5
TM16	500 1,000 1,500	3	16	14.5	12.5
TM18	500 1,000 1,500	4	18	16.0	13.5
TM20	500 1,000 1,500 2,000	4	20	18.0	15.5
TM22	500 1,000 1,500 2,000	5	22	19.5	16.5
TM25	500 1,000 1,500 2,000	5	25	22.5	19.5
TM28	500 1,000 1,500 2,000	5	28	25.5	22.5
TM32	500 1,000 1,500 2,000	6	32	29.0	25.5
TM36	500 1,000 1,500 2,000	6	36	33.0	29.5
TM40	500 1,000 1,500 2,000	6	40	37.0	33.5
TM50	500 1,000 1,500 2,000	8	50	46.0	41.5

※Right-handed Thread : TMR
 ※Left-handed Thread : TML
 ●Only right-handed thread is available for TM8.