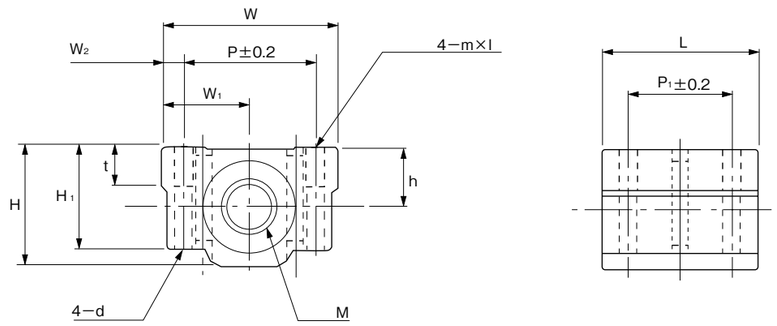
■Chart of CTM type Case Nut



Unit : mm

Type	Nominal Dia.	M	W	H	L	W_1	W_2	H_1	h	t	P	P_1	m × l	d
CTM	10	TM10	44	30	39	22	5.5	26	15	10	33	26	M5×10	4.3
	12	TM12	44	30	39	22	5.5	26	15	10	33	26	M5×10	4.3
	14	TM14	50	38.5	44	25	7	32.5	19	13	36	34	M5×12	4.3
	16	TM16	50	38.5	44	25	7	32.5	19	13	36	34	M5×12	4.3
	18	TM18	54	42	50	27	7	36	21	14	40	40	M6×12	5.2
	20	TM20	54	42	50	27	7	36	21	14	40	40	M6×12	5.2
	22	TM22	76	51.5	67	38	11	42	26	15	54	50	M8×18	7
	25	TM25	76	51.5	67	38	11	42	26	15	54	50	M8×18	7
	28	TM28	78	59.5	72	39	10	49	30	18	58	58	M8×18	7
	32	TM32	78	59.5	72	39	10	49	30	18	58	58	M8×18	7

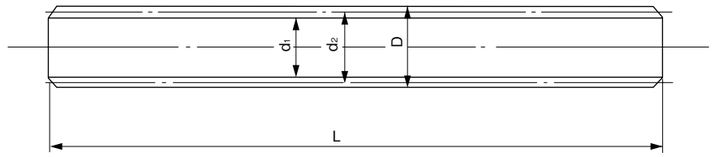
Code Name (Example)

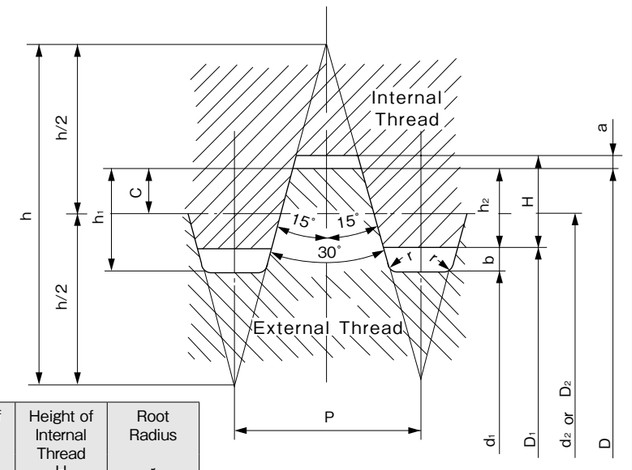
TMR20−300

Type — Shaft length

Right-handed

Material : S45C





$h = 1.866p$ $\quad d_2 = D - 2c$

$c = 0.25p$ $\quad d_1 = D - 2h_1$

$h_1 = 2c + a$

$h_2 = 2c + a - b$ $\quad D_2 = d_2$

$H = 2c + 2a - b$ $\quad D_1 = d_1 + 2b$

Pitch p	Clearance a	Clearance b	c	Thread Overlap h_2	Height of External Thread h_1	Height of Internal Thread H	Root Radius r
2	12.5	0.50	0.50	0.75	1.25	1.00	0.25
3			0.75	1.25	1.75	1.50	
4			1.00	1.75	2.25	2.00	
5		0.75	1.25	2.00	2.75	2.25	
6			1.50	2.50	3.25	2.75	
8			2.00	3.50	4.25	3.75	

Standard Thread of 30° Trapezoidal Feed Screw

Basic angle of 30° Trapezoidal Feed Screw

Type	Outer Dia. D	Pitch P	Pitch Dia. d_2	Root Dia. d_1	Overall length	Type	Outer Dia. D	Pitch P	Pitch Dia. d_2	Root Dia. d_1	Overall length
TMR (Right-handed Thread) TML (Left-handed Thread)	8	1.5	7.25	6.5	50~ 500	TMR (Right-handed Thread) TML (Left-handed Thread)	22	5	19.5	16.5	200~2000
	10	2	9.0	7.5	150~1000		25	5	22.5	19.5	200~2000
	12	2	11.0	9.5	150~1000		28	5	25.5	22.5	200~2000
	14	3	12.5	10.5	150~1000		32	6	29.0	25.5	200~2000
	16	3	14.5	12.5	150~1500		36	6	33.0	29.5	200~2000
	18	4	16.0	13.5	150~1500		40	6	37.0	33.5	200~2000
	20	4	18.0	15.5	150~2000						