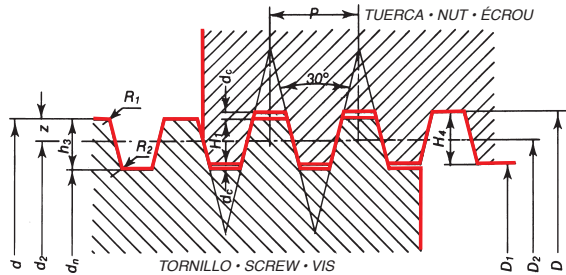


PROFIL THÉORIQUE
THEORETICAL PROFILE
PERFIL TEORICO

DIN 103

TRAPEZIAL THREAD
METRAIC - ISO
FILET TRAPÉZOÏDAL
MÉTRIQUE - ISO
ROSCA TRAPEZOIDAL
METRICA - ISO



$$D_1 \times d - 2 H_1 = d - P$$

$$H_1 = 0,5 P$$

$$H_4 = H_1 + a_c = 0,5 P + a_c$$

$$h_3 = H_1 + a_c = 0,5 P + a_c$$

$$z = 0,25 P = \frac{H_1}{2}$$

$$D = d + 2 a_c$$

$$d_n = d - 2 h_3$$

$$d_2 = D_2 = d - 2z = d - 0,5 P$$

$$R_1 = \text{máx. } 0,5 a_c$$

$$R_1 = \text{máx. } a_c$$

P	1,5	2 × 5	6 × 12	14 × 20
a _c	0,15	0,25	0,5	1

Ø Nominal Ø Nominal Ø Nominal		Paso Pitch Pass	Ø Medio Pitch Ø Ø Moyen d ₂ = D ₂	Ø Exterior Outside Ø Ø Extérieur D	Ø Núcleo Core Ø Ø Noyau d _n D ₁		Ø Nominal Ø Nominal Ø Nominal		Paso Pitch Pass	Ø Medio Pitch Ø Ø Moyen d ₂ = D ₂	Ø Exterior Outside Ø Ø Extérieur D	Ø Núcleo Core Ø Ø Noyau d _n D ₁	
Serie 1	Serie 2	P	d ₂ = D ₂	D	d _n	D ₁	Serie 1	Serie 2	P	d ₂ = D ₂	D	d _n	D ₁
Tr 8		1,5	7,250	8,300	6,200	6,500			3	40,500	42,500	38,500	39,000
	Tr 9	1,5 2	8,250 8,000	9,300 9,500	7,200 6,500	7,500 7,000		Tr 42	7 10	38,500 37,000	43,000 43,000	34,000 31,000	35,000 32,000
Tr 10		1,5 2	9,250 9,000	10,300 10,500	8,200 7,500	8,500 8,000		Tr 44	3 7 12	42,500 40,500 38,000	44,500 45,000 45,000	40,500 36,000 31,000	41,000 37,000 32,000
	Tr 11	2 3	10,000 9,500	11,500 11,500	8,500 7,500	9,000 8,000		Tr 46	3 8 12	44,500 42,000 40,000	46,500 47,000 47,000	42,500 37,000 33,000	43,000 38,000 34,000
Tr 12		2 3	11,000 10,500	12,500 12,500	9,500 8,500	10,000 9,000		Tr 48	3 8 12	46,500 44,000 42,000	48,500 49,000 49,000	44,500 39,000 35,000	45,000 40,000 36,000
	Tr 14	2 3	13,000 12,500	14,500 14,500	11,500 10,500	12,000 11,000		Tr 50	3 8 12	48,500 46,000 44,000	50,500 51,000 51,000	46,500 41,000 37,000	47,000 42,000 38,000
Tr 16		2 4	15,000 14,000	16,500 16,500	13,500 11,500	14,000 12,000		Tr 52	3 8 12	50,500 48,000 46,000	52,500 53,000 53,000	48,500 43,000 39,000	49,000 44,000 40,000
	Tr 18	2 4	17,000 16,000	18,500 18,500	15,500 13,500	16,000 14,000		Tr 55	3 9 14	53,500 50,500 48,000	55,500 56,000 57,000	51,500 45,000 39,000	52,000 46,000 41,000
Tr 20		2 4	19,000 18,000	20,500 20,500	17,500 15,500	18,000 16,000		Tr 60	3 9 14	58,500 55,500 53,000	60,500 61,000 62,000	56,500 50,000 44,000	57,000 51,000 46,000
	Tr 22	3 5 8	20,500 19,500 18,000	22,500 22,500 23,000	18,500 16,500 13,000	19,000 17,000 14,000		Tr 85	4 10 16	63,000 60,000 57,000	65,500 66,000 67,000	60,500 54,000 47,000	61,000 55,000 49,000
Tr 24		3 5 8	22,500 21,500 20,000	24,500 24,500 25,000	20,500 18,500 15,000	21,000 19,000 16,000		Tr 70	4 10 16	68,000 65,000 62,000	70,500 71,000 72,000	65,500 59,000 52,000	66,000 60,000 54,000
	Tr 26	3 5 8	24,500 23,500 22,000	26,500 26,500 27,000	22,500 20,500 17,000	23,000 21,000 18,000		Tr 75	4 10 16	73,000 70,000 67,000	75,500 76,000 77,000	70,500 64,000 57,000	71,000 65,000 59,000
Tr 28		3 5 8	26,500 25,500 24,000	28,500 28,500 29,000	24,500 22,500 19,000	25,000 23,000 20,000		Tr 80	4 10 16	78,000 75,000 72,000	80,500 81,000 82,000	75,500 69,000 62,000	76,000 70,000 64,000
	Tr 30	3 6 10	28,500 27,000 25,000	30,500 31,000 31,000	26,500 23,000 19,000	27,000 24,000 20,000		Tr 85	4 12 18	83,000 79,000 76,000	85,500 86,000 87,000	80,500 72,000 65,000	81,000 73,000 67,000
Tr 32		3 6 10	30,500 29,000 27,000	32,500 33,000 33,000	28,500 25,000 21,000	29,000 26,000 22,000		Tr 90	4 12 18	88,000 84,000 81,000	90,500 91,000 92,000	85,500 77,000 70,000	86,000 78,000 72,000
	Tr 34	3 6 10	32,500 31,000 29,000	34,500 35,000 35,000	30,500 27,000 23,000	31,000 28,000 24,000		Tr 95	4 12 18	93,000 89,000 86,000	95,500 96,000 97,000	90,500 82,000 75,000	91,000 83,000 77,000
Tr 36		3 6 10	34,500 33,000 31,000	36,500 37,000 37,000	32,500 29,000 25,000	33,000 30,000 26,000		Tr 100	4 12 20	98,000 94,000 90,000	100,500 101,000 102,000	95,500 87,000 78,000	96,000 88,000 80,000
	Tr 38	3 7 10	36,500 34,500 33,000	38,500 39,000 39,000	34,500 30,000 27,000	35,000 31,000 28,000							
Tr 40		3 7 10	38,500 36,500 35,000	40,500 41,000 41,000	36,500 32,000 29,000	37,000 33,000 30,000							

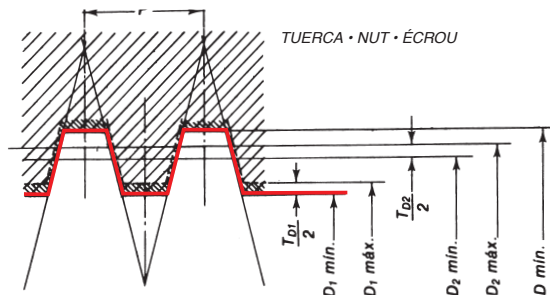
NUT
ÉCROU
TUERCA

DIN 103



ROSCA TRAPEZOIDAL
METRICA - ISO
FILET TRAPÉZOÏDAL
MÉTRIQUE - ISO
METRIC BASTARD
THREAD - ISO

TOLERANCIA 7H EN EL Ø MEDIO
Y 4H EN EL Ø NÚCLEO
TOLERANCE 7H IN PITCH Ø
AND 4H IN CORE
TOLÉRANCE 7H AU Ø MOYEN
ET 4H AU NOYAU



Ø Nominal Ø Nominal Ø Nominal dxP	Ø Exterior Outside Ø Ø Extérieur D min.	Ø Medio Pitch Ø Ø Moyen		Ø Núcleo Core Ø Ø Noyau		Ø Nominal Ø Nominal Ø Nominal dxP	Ø Exterior Outside Ø Ø Extérieur D min.	Ø Medio Pitch Ø Ø Moyen		Ø Núcleo Core Ø Ø Noyau	
		D2 mín.	D2 máx.	D1 mín.	D1 máx.			D2 mín.	D2 máx.	D1 mín.	D1 máx.
Tr 8 x 1,5	8,300	7,250	7,474	6,500	6,690	Tr 42 x 3	42,500	40,500	40,835	39,000	39,315
Tr 9 x 1,5	9,300	8,250	8,474	7,500	7,690	Tr 42 x 7	43,000	38,500	38,975	35,000	35,560
Tr 9 x 2	9,500	8,000	8,250	7,000	7,236	Tr 42 x 10	43,000	37,000	37,530	32,000	32,710
Tr 10 x 1,5	10,300	9,250	9,474	8,500	8,690	Tr 44 x 3	44,500	42,500	42,835	41,000	41,315
Tr 10 x 2	10,500	9,000	9,250	8,000	8,236	Tr 44 x 7	45,000	40,500	40,975	37,000	37,560
Tr 11 x 2	11,500	10,000	10,250	9,000	9,236	Tr 44 x 12	45,000	38,000	38,560	32,000	32,800
Tr 11 x 3	11,500	9,500	9,780	8,000	8,315	Tr 46 x 3	46,500	44,500	44,855	43,000	43,315
Tr 12 x 2	12,500	11,000	11,265	10,000	10,236	Tr 46 x 8	47,000	42,000	42,530	38,000	38,630
Tr 12 x 3	12,500	10,500	10,800	9,000	9,315	Tr 46 x 12	47,000	40,000	40,630	34,000	34,800
Tr 14 x 2	14,500	13,030	13,265	12,000	12,326	Tr 48 x 3	48,500	46,500	46,855	45,000	45,315
Tr 14 x 3	14,500	12,500	12,800	11,000	11,315	Tr 48 x 8	49,000	44,000	44,530	40,000	40,630
Tr 16 x 2	16,500	15,000	15,265	14,000	14,236	Tr 48 x 12	49,000	42,000	42,630	36,000	36,800
Tr 16 x 4	16,500	14,000	14,355	12,000	12,375	Tr 50 x 3	50,500	48,500	48,855	47,000	47,315
Tr 18 x 2	18,500	17,000	17,265	16,000	16,236	Tr 50 x 8	51,000	46,000	46,530	42,000	42,630
Tr 18 x 4	18,500	16,000	16,355	14,000	14,375	Tr 50 x 12	51,000	44,000	44,630	38,000	38,800
Tr 20 x 2	20,500	19,000	19,265	18,000	18,236	Tr 52 x 3	52,500	50,500	50,855	49,000	49,315
Tr 20 x 4	20,500	18,000	18,355	16,000	16,375	Tr 52 x 8	53,000	48,000	48,530	44,000	44,630
Tr 22 x 3	22,500	20,500	20,800	19,000	19,315	Tr 52 x 12	53,000	46,000	46,630	40,000	40,800
Tr 22 x 5	22,500	19,500	19,875	17,000	17,450	Tr 55 x 3	55,500	53,500	53,855	52,000	52,315
Tr 22 x 8	23,000	18,000	18,475	14,000	14,630	Tr 55 x 9	56,000	50,500	51,060	46,000	46,670
Tr 24 x 3	24,500	22,500	22,835	21,000	21,315	Tr 55 x 14	57,000	48,000	48,670	41,000	41,900
Tr 24 x 5	24,500	21,500	21,900	19,000	19,450	Tr 60 x 3	60,500	58,500	58,855	57,000	57,315
Tr 24 x 8	25,000	20,000	20,500	16,000	16,630	Tr 60 x 9	61,000	55,500	56,060	51,000	51,670
Tr 26 x 3	26,500	24,500	24,835	23,000	23,315	Tr 60 x 14	62,000	53,000	53,670	46,000	46,900
Tr 26 x 5	26,500	23,500	23,900	21,000	21,450	Tr 65 x 4	65,500	63,000	63,400	61,000	61,375
Tr 26 x 8	27,000	22,000	22,500	18,000	18,630	Tr 65 x 10	66,000	60,000	60,560	55,000	55,710
Tr 28 x 3	28,500	26,500	26,835	25,000	25,315	Tr 65 x 16	67,000	57,000	57,710	49,000	50,000
Tr 28 x 5	28,500	25,500	25,900	23,000	23,450	Tr 70 x 4	70,500	68,000	68,400	66,000	66,375
Tr 28 x 8	29,000	24,000	24,500	20,000	20,630	Tr 70 x 10	71,000	65,000	65,560	60,000	60,710
Tr 30 x 3	30,500	28,500	28,835	27,000	27,315	Tr 70 x 16	72,000	62,000	62,710	54,000	55,000
Tr 30 x 6	31,000	27,000	27,450	24,000	24,500	Tr 75 x 4	75,500	73,000	73,400	71,000	71,375
Tr 30 x 10	31,000	25,000	25,530	20,000	20,710	Tr 75 x 10	76,000	70,000	70,560	65,000	65,710
Tr 32 x 3	32,500	30,500	30,835	29,000	29,315	Tr 75 x 16	77,000	67,000	67,710	59,000	60,000
Tr 32 x 6	33,000	29,000	29,450	26,000	26,500	Tr 80 x 4	80,500	78,000	78,400	76,000	76,375
Tr 32 x 10	33,000	27,000	27,530	22,000	22,710	Tr 80 x 10	81,000	75,000	75,560	70,000	70,710
Tr 34 x 3	34,500	32,500	32,835	31,000	31,315	Tr 80 x 16	82,000	72,000	72,710	64,000	65,000
Tr 34 x 6	35,000	31,000	31,450	28,000	28,500	Tr 85 x 4	85,500	83,000	83,400	81,000	81,375
Tr 34 x 10	35,000	29,000	29,530	24,000	24,710	Tr 85 x 12	86,000	79,000	79,630	73,000	73,800
Tr 36 x 3	36,500	34,500	34,835	33,000	33,315	Tr 85 x 18	87,000	76,000	76,750	67,000	68,120
Tr 36 x 6	37,000	33,000	33,450	30,000	30,500	Tr 90 x 4	90,500	88,000	88,400	86,000	86,375
Tr 36 x 10	37,000	31,000	31,530	26,000	26,710	Tr 90 x 12	91,000	84,000	84,630	78,000	78,800
Tr 38 x 3	38,500	36,500	36,835	35,000	35,315	Tr 90 x 18	92,000	81,000	81,750	72,000	73,120
Tr 38 x 7	39,000	34,500	34,975	31,000	31,560	Tr 95 x 4	95,500	93,000	93,425	91,000	91,375
Tr 38 x 10	39,000	33,000	33,530	28,000	28,710	Tr 95 x 12	96,000	89,000	89,670	83,000	83,800
Tr 40 x 3	40,500	38,500	38,835	37,000	37,315	Tr 95 x 18	97,000	86,000	86,800	77,000	78,120
Tr 40 x 7	41,000	36,500	36,975	33,000	33,560	Tr 100 x 4	100,500	98,000	98,425	96,000	96,375
Tr 40 x 10	41,000	35,000	35,530	30,000	30,710	Tr 100 x 12	101,000	94,000	94,670	88,000	88,800
						Tr 100 x 20	102,000	90,000	90,800	80,000	81,180