



Thread Proportions

$$H_1 = 0,5p$$

$$D_4 = d + 2a_c$$

$$d_3 = D - 2h_3$$

$$H_4 = H_1 + a_c$$

$$Z = H_1 / 2$$

$$d_2 = D_2 = d - 2Z = d - 0,5p$$

$$h_3 = H_1 + a_c$$

$$D_1 = d - 2H_1 = d - p$$

$$R_{1max} = 0,5 a_c \quad R_{2max} = a_c$$

$$a_c = (D_4 - d) / 2$$

Table of trapezoidal screw threads are in accordance with ISO 2904:1977

All dimensions in milli metres

d	P	$d_2 = D_2$	D_4	d_3	D_1	d	P	$d_2 = D_2$	D_4	d_3	D_1
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
8	1,5	7,250	8,300	6,200	6,500	42	3	40,500	42,500	38,500	39,000
9	1,5	8,250	9,300	7,200	7,500	42	7	38,500	43,000	34,000	35,000
9	2	8,000	9,500	9,250	7,000	42	10	37,000	43,000	41,000	32,000
10	1,5	9,250	11,000	2,000	3,000	44	3	42,500	44,500	40,500	41,000
10	2	9,000	10,500	7,500	8,000	44	7	40,500	45,000	36,000	37,000
11	2	10,000	11,500	8,500	9,000	44	12	38,000	45,000	31,000	32,000
11	3	9,500	11,500	7,500	8,000	46	3	44,500	46,500	42,500	43,000
12	2	11,000	12,500	9,500	10,000	46	8	42,000	47,000	37,000	38,000
12	3	10,500	12,500	8,500	9,000	46	12	40,000	47,000	33,000	34,000
14	2	13,000	14,500	11,500	12,000	48	3	46,500	48,500	44,500	45,000
14	3	12,500	14,500	10,500	11,000	48	8	44,000	49,000	39,000	40,000
16	2	15,000	16,500	13,500	14,000	48	12	42,000	49,000	35,000	36,000

16	3	14,500	16,500	12,500	13,000	50	3	48,500	50,500	46,500	47,000
18	2	17,000	18,500	15,500	16,000	50	8	46,000	51,000	41,000	42,000
18	4	16,000	18,500	13,500	14,000	50	12	44,000	51,000	37,000	38,000
20	2	19,000	20,500	17,500	18,000	52	3	50,500	52,500	48,500	49,000
20	4	18,000	20,500	15,500	16,000	52	8	48,000	53,000	43,000	44,000
22	3	20,500	22,500	18,500	19,000	52	12	46,000	53,000	39,000	40,000
22	5	19,500	22,500	16,500	17,000	55	3	53,500	55,500	51,500	52,000
22	8	18,000	23,000	13,000	14,000	55	9	50,500	56,000	45,000	46,000
24	3	22,500	24,500	20,500	21,000	55	14	48,000	57,000	39,000	41,000
24	5	21,500	24,500	18,500	19,000	60	3	58,500	60,500	56,500	57,000
24	8	20,000	25,000	15,000	16,000	60	9	55,500	61,000	50,000	51,000
26	3	24,500	26,500	22,500	23,000	60	14	53,000	62,000	44,000	46,000
26	5	23,500	26,500	20,500	21,000	65	4	63,000	65,500	60,500	61,000
26	8	22,000	27,000	17,000	18,000	65	10	60,000	66,000	54,000	55,000
28	3	26,500	28,500	24,500	25,000	65	16	57,000	67,000	47,000	49,000
28	5	25,500	28,500	22,500	23,000	70	4	68,000	70,500	65,500	66,000
28	8	24,000	29,000	19,000	20,000	70	10	65,000	71,000	59,000	60,000
30	3	28,500	30,500	26,500	27,000	70	16	62,000	72,000	52,000	54,000
30	6	27,000	30,500	23,000	24,000	75	4	73,000	75,500	70,500	71,000
30	10	25,000	31,000	19,000	20,000	75	10	70,000	76,000	64,000	65,000
32	3	30,500	32,500	28,500	29,000	75	16	67,000	77,000	57,000	59,000
32	6	29,000	32,500	25,000	26,000	80	4	78,000	80,500	75,500	76,000
32	10	27,000	33,000	21,000	22,000	80	10	75,000	81,000	69,000	70,000
34	3	32,500	34,500	30,500	31,000	80	16	72,000	82,000	62,000	64,000
34	6	31,000	34,500	27,000	28,000	85	4	83,000	85,500	80,500	81,000
34	10	29,000	35,000	23,000	24,000	85	12	79,000	86,000	72,000	73,000
36	3	34,500	36,500	32,500	33,000	85	18	76,000	87,000	65,000	67,000
36	6	33,000	36,500	29,000	30,000	95	4	93,000	95,500	90,500	91,000
36	10	31,000	37,000	25,000	26,000	95	12	89,000	96,000	82,000	83,000
38	3	36,500	38,500	34,500	35,000	95	18	86,000	97,000	75,000	77,000
38	7	34,500	39,000	30,000	31,000	100	4	98,000	100,500	95,500	96,000
38	10	33,000	39,000	27,000	28,000	100	12	94,000	101,000	87,000	88,000
40	3	38,500	40,500	36,500	37,000	100	20	90,000	102,000	78,000	80,000
40	7	36,500	41,000	32,000	33,000						
40	10	35,000	41,000	29,000	30,000						