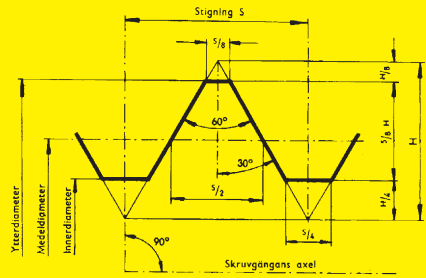


Thread system according to ISO thread profiles

Metric coarse threads = Designation e.g. M 30
 Metric fine threads = Designation e.g. MF 30 30x2 (diameterxpitch)
 Unified coarse threads = UNC
 Unified fine threads = UNF



Metric coarse threads M

Thread diameter	M	1.2	1.6	1.7	1.8	2	2.2	2.3	2.5	2.6	3	3.5	4	4.5	5	6	7	8	9
Pitch S	mm	0.25	0.35	0.35	0.35	0.4	0.45	0.4	0.45	0.45	0.5	0.6	0.7	0.75	0.8	1	1	1.25	1.25
Suitable drill	mm	0.95	1.25	1.30	1.45	1.6	1.75	1.90	2.05	2.1	2.5	2.9	3.3	3.7	4.2	5	6	6.8	7.8
Thread diameter	M	10	11	12	14	16	18	20	22	24	27	30	33	36	39	42	45	48	52
Pitch S	mm	1.5	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5	3.5	4	4.5	4.5	5	5	5
Suitable drill	mm	8.5	9.5	10.2	12	14	15.5	17.5	19.5	21	24	26.5	29.5	32	35	37.5	40.5	43	47

Metric fine threads M

Thread diameter × pitch	MF	3x	4x	5x	6x	7x	8x	8x	9x	10x	10x	10x	11x	12x	12x
Suitable drill	mm	0.35	0.5	0.5	0.75	0.75	0.75	7.2	1	1	0.75	1	1.25	1	1.25
Thread diameter × pitch	MF	12x	13x	14x	14x	14x	15x	15x	16x	16x	18x	18x	18x	20x	20x
Suitable drill	mm	1.5	1	1	1.25	1.5	1	1.5	1	1.5	1	1.5	2	1	1.5
Thread diameter × pitch	MF	20x	22x	22x	22x	24x	24x	24x	25x	25x	26x	27x	28x	30x	33x
Suitable drill	mm	2	1	1.5	2	1	1.5	2	1	1.5	1.5	1.5	1.5	1.5	2
Thread diameter × pitch	MF	30x	35x	36x	36x	36x	38x	39x	40x	42x	45x	50x			
Suitable drill	mm	28	33.5	34.5	34	33	36.5	36	38.5	40.5	43.5	48.5			

Unified coarse threads UNC

Thread diameter	UNC	No 1 (1/16)			No 2 (5/64)			No 3 (3/32)			No 4 (7/64)			No 5 (1/8)		
No. of threads	per inch	64			56			48			40			40		
Nom. o.d.	mm	1.85			2.18			2.52			2.85			3.18		
Suitable drill	mm	1.5			1.8			2.0			2.3			2.6		
Thread diameter	UNC	No 6 (9/64)			No 8 (7/32)			No 10 (3/16)			No 12 (7/32)			1/4		
No. of threads	per inch	32			32			24			24			20		
Nom. o.d.	mm	3.51			4.17			4.83			5.49			6.35		
Suitable drill	mm	2.7			3.5			3.8			4.5			5.1		
Thread diameter	UNC	9/16			3/8			7/16			1/2			9/16		
No. of threads	per inch	18			16			14			13			12		
Nom. o.d.	mm	7.94			9.53			11.11			12.7			14.29		
Suitable drill	mm	6.6			8.0			9.4			10.8			12.3		
Thread diameter	UNC	5/8			3/4			7/8			1			1 1/8		
No. of threads	per inch	11			10			9			8			7		
Nom. o.d.	mm	15.88			19.05			22.23			25.4			28.58		
Suitable drill	mm	13.5			16.5			19.5			22.25			25.0		
Thread diameter	UNC	1 1/4			1 3/8			1 1/2			1 3/4			2		
No. of threads	per inch	7			6			6			5			4 1/2		
Nom. o.d.	mm	31.75			34.93			38.1			44.45			50.8		
Suitable drill	mm	28.0			31.0			34.0			39.5			45.0		

The closest imperial measurement has been given for UNC No-dimensions.

(continued on next page)