Screws Manual

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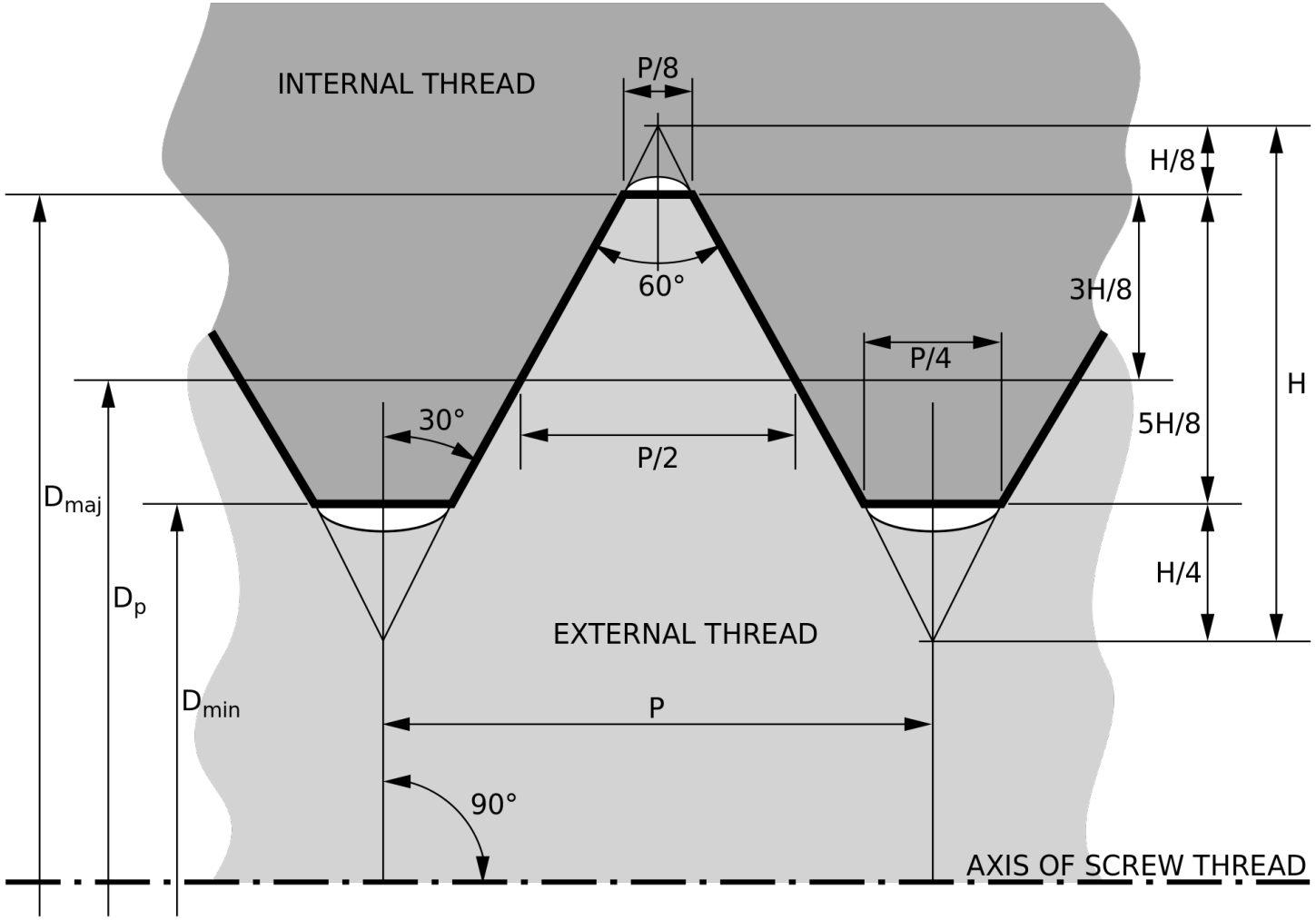

Image from WikiCommons

1 Brief description

1. H is the height of the fundamental screw triangle. You don't actually need to measure this.
2. P is the pitch, the length of the fundamental screw triangle. use a Vernier Caliper to measure the length of a convenient, integer number of a pitch lengths. Alternatively,
3. D is the diameter of the screw at various points. The maximum diameter, D_{major} gives you the relevant diameter that is used to reference the screw.,

2 Naming the screw

2.1 Imperial

Diameter — Threads per inch — Length — Type of screw

e.g. $\frac{1}{4}$"-20 $\frac{5}{8}$" cap screw

2.2 Metric

Diameter — Pitch — Length — Type of screw

e.g. M4x0.7 10mm set screw

3 Imperial Screw Thread Standard

	Major Pitch Diameter D (inch / mm)	Threads per inch	Preferred cutting tap drill
#0	0.0600 / 1.5240	None	None
#1			
#2			

4 Metric Screw Thread Standard

Major diameter D/mm	Pitch P/mm	Major Diameter D/mm	Pitch P/mm
1	0.25	12	1.75
1.2	0.25	16	2
1.6	0.35	20	2,5
2	0.4	24	3
2.5	0.45	30	3.5
3	0.5	36	4
4	0.7	42	4.5
5	0.8	48	5
6	1	56	5.5
8	1.25	64	6
10	1.5		