



Fractional size Unified screw threads are calculated as $1/4" = 1" \div 4 = .250$ in diameter or 25.4 mm $\div 4"$ or 6.35 mm.

The most common Number size Unified screw threads are from a #0 to a #12. Unified Number size screw threads are calculated different from fractional sizes. The original Number size screw thread concept was developed in the late 1800's. The Number size threads started with the #0 thread size as a base of information at a .060 or 1.52mm in diameter.

To calculate a Number size screw thread, we must also start with the #0 as .060 or 1.52mm on the major diameter.

Each additional number over the #0 size will add .013 or .0051mm to the major diameter. This means an inch size #1 Unified screw thread is .060 + .013 = .073 on the major diameter or 1.52mm + 0.33mm = 1.85mm on the major diameter. A #2 Unified screw thread is $.060 + 2 \times .013 = .086$ on the major diameter or $1.52mm + 2 \times 0.33mm = 2.18mm$ on the major diameter. A #10 Unified screw thread is $.060 + 10 \times .013 = .190$ on the major diameter or $1.52mm + 10 \times 0.33mm = 4.82mm$ on the major diameter.

Size	Dimension of call (reference dimension)		Calculation formura of nominal dimension
	(inch)	(mm)	(inch)
Nº 0	0.0600	1.524	0.06
Nº 1	0.0730	1.854	0.06+0.013
Nº 2	0.0860	2.184	0.06+ (0.013×2)
Nº 3	0.0990	2.515	0.06+ (0.013×3)
Nº 4	0.1120	2.845	0.06+ (0.013×4)
Nº 5	0.1250	3.175	0.06+ (0.013×5)
Nº 6	0.1380	3.505	0.06+(0.013×6)
Nº 8	0.1640	4.166	0.06+ (0.013×8)
Nº 10	0.1900	4.826	0.06+(0.013×10)
Nº 12	0.2160	5.486	0.06+(0.013×12)

Even if it is made into a table, it is a calculation formula of inches, so it may be hard to understand for those who use mm as a

