

How to Measure a Stud

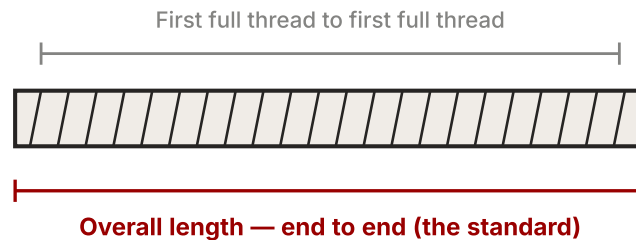
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No head means no “under the head” — so a stud is measured end to end. The catch is that two people can read “end to end” two different ways.

A **stud** has no head — it’s threaded rod, threaded on both ends or all the way along. So length is simply the **overall length, end to end**. The wrinkle: some people measure the true tips, while others measure from the **first full thread** on each end (skipping the chamfered or partial threads at the very ends). On a long stud that’s a small difference; on a short one it matters. Knowing which you mean keeps the order right.

The length rule

Measure the **overall length — tip to tip (end to end)**. That’s the standard. For double-end and tap-end studs, also tell us the **thread length on each end**.



Fully threaded stud / all-thread: measure overall, end to end. “First thread to first thread” runs slightly shorter.

Know which stud you have

Continuous (all-thread)

Threaded the **full length**. Just give us the overall length and the size.

Double-end

Threads on **both ends**, plain in the middle. Give overall length **plus** the thread length on each end.

Tap-end

A short thread on one end (to screw into metal) and a longer nut end. Give overall length and **both** thread lengths.

For double-end and tap-end studs, the thread lengths are part of the spec — two studs of the same overall length aren’t the same if their ends are threaded differently. When in doubt, give us all three numbers: overall length and the thread length at each end.

The “end to end vs. first to first” thing

Because the very ends of a stud are often chamfered or carry a partial thread, one person measures the physical tips (**end to end**) while another measures from the first full thread inward (**first to first**). We treat **overall, end to end** as the standard — but if a print or a customer calls out a thread-to-thread number, say so and we’ll match it exactly. Diameter and thread pitch are measured the same as any fastener — see the measuring basics.



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