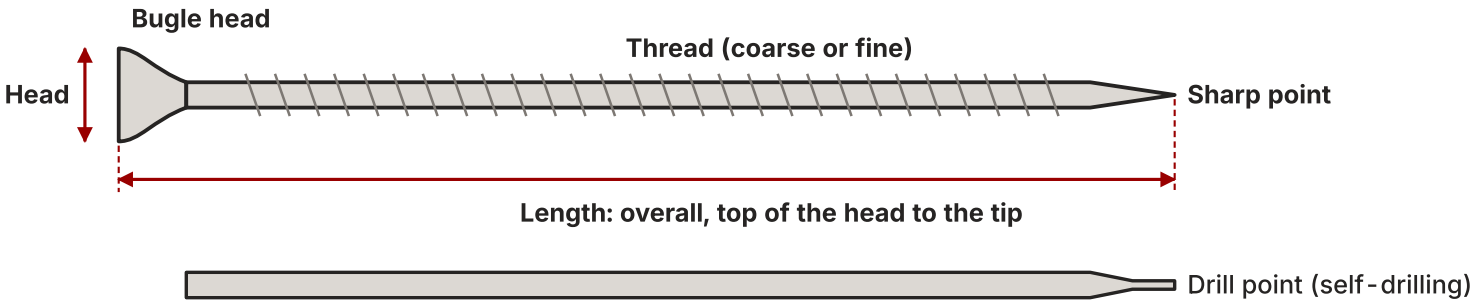
Drywall Screw Dimensions

jandesupply.com/reference-drywall-screw-dimensions.php

J & E Supply & FASTENER CO.

Which drywall screw for wood or steel studs, the thread and head sizes by gauge, and the bit they take.

A **drywall screw** has a **bugle head** — a head that curves into the shank so it sits just under the paper without tearing it. The thread matches the framing: **coarse thread for wood studs, fine thread for steel studs**, and a **drill point** for heavier steel. Drywall screws are sized by gauge (#6, #7, #8, #10) and measured overall.



Not to scale.

Drywall screw types — ASTM C1002 / C954

TYPE	THREAD	POINT	FASTENS	STANDARD
Type W	Coarse	Self-piercing	Gypsum board to wood studs	ASTM C1002
Type S	Fine	Self-piercing	Gypsum board to steel studs under .033″ (0.84 mm) thick	ASTM C1002
Drill point	—	Drill (self-drilling)	Gypsum board to steel .033″–.112″ (0.84–2.84 mm) thick	ASTM C954
Type G	Coarse, high thread	Self-piercing	Gypsum board to gypsum board	ASTM C1002
Type A	Coarse (tapping)	Self-piercing	Metal plaster base (lath) to wood or steel	ASTM C1002

From the scope of ASTM C1002 and ASTM C954 (astm.org) and Fastener Mart's drywall screw notes; the coarse = wood, fine = steel split also from Albany County Fasteners and DuraFast. Boxes usually say coarse or fine, not S or W. The drill point's thread is not in either scope.

Fine thread drywall screws (Type S) — thread

SIZE	THREADS PER INCH	MAJOR DIA (MAX / MIN)
#6	—	— / —
#7	—	— / —
#8	15	— / .161
#10	—	— / —

Inches. The H&B cut sheet and Aspen Fasteners print the same fine thread table (counted once); printed only where L.H. Dottie's data sheet agrees with it. A dash: only that one table gives it, or they differ — give us a call.

Bugle head drywall screws — head and bit

SIZE	HEAD DIA (MAX / MIN)	PHILLIPS DRIVER
#6	— / .315	#2 Phillips
#7	— / —	#2 Phillips
#8	— / .315	#2 Phillips
#10	— / —	#2 Phillips

Inches. Head diameter from Aspen Fasteners and L.H. Dottie (they agree on the minimum, not the maximum); the #2 Phillips from Fastener Mart, Albany County Fasteners, Aspen, Dottie and DuraFast. A dash: they differ, or only one gives it.

Good to know

Coarse thread is not charted: the makers' published threads per inch differ (#6: 8 per Aspen or 9 per L.H. Dottie; the other gauges have one source only), so we leave it to the box.

Set the head: drive it just below the paper surface without tearing the paper — too deep breaks the paper and loses its hold (Fastener Mart, Albany County Fasteners).

Drive them with a drywall screw gun or a depth-setting nose piece, so every head stops at the same depth (Fastener Mart, DuraFast).

Not on this chart: trim head screws (a smaller head — makers differ on the size and the bit), hi-lo and laminating screws, and cement board screws.

Quick answers

Coarse or fine drywall screws?

Coarse thread (Type W) for wood studs; **fine thread** (Type S) for steel studs under .033″ thick; a **drill point** (self-drilling) screw for steel .033″–.112″ thick (ASTM C1002 / C954).

What bit do drywall screws take?

A bugle head drywall screw takes a **#2 Phillips** bit in #6, #7, #8 and #10.

How many threads per inch on a #8 fine drywall screw?

15 threads per inch, major diameter .161″ minimum.

What is ASTM C1002?

The ASTM specification for steel self-piercing tapping screws that fasten gypsum board to wood or light steel studs (under .033″) and to other gypsum board. Heavier steel, .033″–.112″, is ASTM C954 drill screws.

How are drywall screws measured?

Overall — from the top of the bugle head to the tip, because the head sits flush in the board.

Reference values drawn from the governing standards. For critical applications, confirm against the standard and the manufacturer's published data. Technical information disclaimer →