SCREWBEE
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PRODUCT TECHNICAL GUIDE / 2026

# Zinc Drywall Screws

Selection, size range, product anatomy, application guidance, manufacturing overview and procurement checks.

PRODUCT FAMILY

**Bright zinc-plated drywall fasteners**

Diameter 3.5-4.8 mm / Length 16-60 mm

ESSENTIAL SPECIFICATIONS

# The details, clearly defined.

Core commercial information for initial product selection. Values requiring supplier documentation are identified separately in this guide.

ZINC DRYWALL SCREWS / PRODUCT 01

**PRODUCT**
Zinc drywall screws

**HEAD / DRIVE**
Bugle / Phillips

**DIAMETER**
3.5 / 4.2 / 4.8 mm

**LENGTH RANGE**
16-60 mm

**THREAD**
Fine or coarse

**SURFACE**
Bright zinc plated

Base material: carbon steel. Exact steel grade, hardness and coating thickness should be confirmed against the supplied SKU and batch documentation.

CHOOSE THE RIGHT RANGE

# Available sizes

This matrix reflects the current product range supplied for the page. Confirm stock, thread type and packaging quantity before quotation.

| Diameter | Available lengths | Typical selection cue |
|---|---|---|
| 3.5 mm | 16, 19, 25, 32, 38, 50 mm | Compact interior fastening; validate board and framing system. |
| 4.2 mm | 19, 25, 32, 38, 50, 60 mm | Broader length range for compatible interior assemblies. |
| 4.8 mm | 50, 60 mm | Longer/heavier option; confirm substrate and system approval. |

THREAD SELECTION

## Match the thread to the framing.

Coarse thread
Commonly selected for compatible timber or wood-stud applications because the wider pitch can develop stronger engagement in wood.

Fine thread
Commonly selected for compatible light-gauge metal framing. Confirm stud thickness and system manufacturer's requirements.

BUILT FOR CONTROLLED FASTENING

# Four engineered zones

A drywall screw works as a system: drive, seating profile, thread engagement and point geometry must act together.

ENGINEERED DETAIL

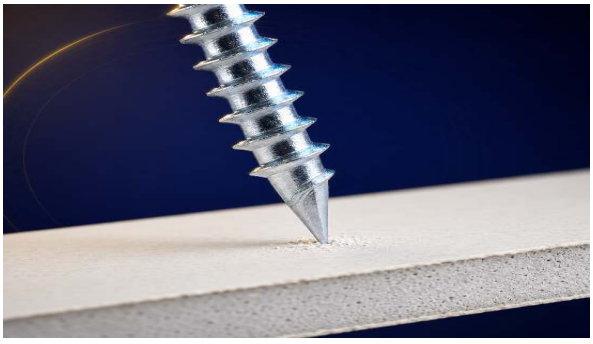
## Phillips bugle head

A compatible driver engages the recess, while the bugle profile is intended to seat progressively without a sharp bearing edge.

ENGINEERED DETAIL

## Continuous helical thread

Consistent thread form supports predictable engagement. Choose fine or coarse pitch for the intended framing material.



ENGINEERED DETAIL

## Sharp penetration point

The pointed tip initiates entry into compatible gypsum-board assemblies and framing when the correct screw is selected.

ENGINEERED DETAIL

## Bright zinc surface

A clean zinc-plated surface provides a bright finish. It should not automatically be treated as suitable for exterior or severe-corrosion exposure.

INSTALLATION PRINCIPLES

# Seat clean. Hold reliably.

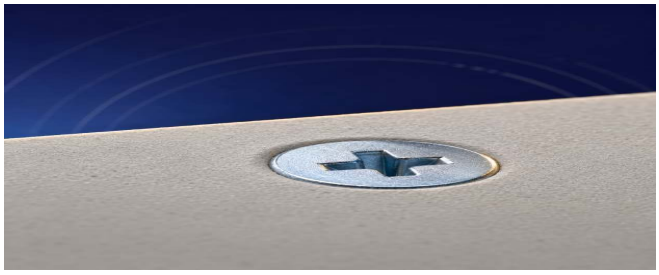
General guidance only. Follow the gypsum-board and framing-system manufacturer's instructions for spacing, edge distance, embedment and approved fastener type.

01 **Confirm compatibility**
Match diameter, length and thread to board thickness, framing material and approved system.

02 **Use the correct driver**
Use the compatible Phillips bit and keep the tool aligned with the screw axis.

03 **Drive with control**
Avoid wobble and excessive speed. Let the point and thread engage without forcing the fastener.

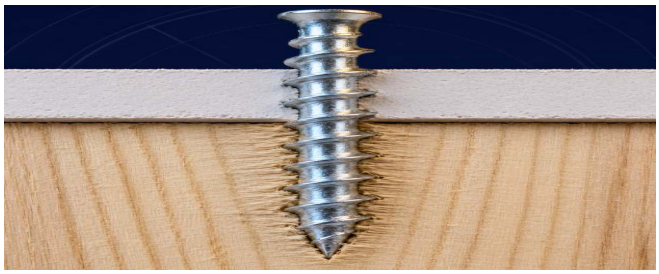
04 **Seat without overdrive**
The head should seat correctly without tearing the paper face or crushing the board core.



ENGINEERED DETAIL

### Flush seating

Correct seating preserves the board face. Overdriving can reduce holding performance and damage the paper surface.



ENGINEERED DETAIL

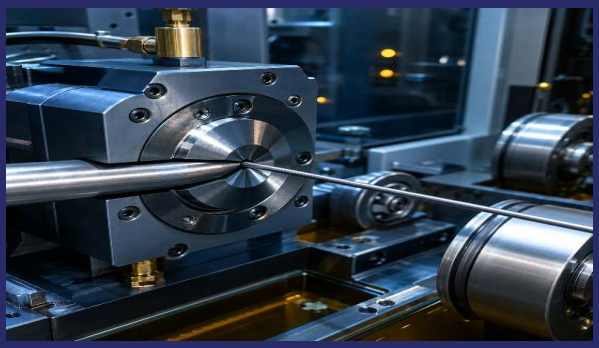
### Reliable grip

Thread choice and embedment must suit the substrate. Drywall screws should not be assumed to be structural fasteners.

PRECISION AT EVERY STAGE

# From wire to hardened fastener

This is a process overview, not a statement of plant certification or process capability.



ENGINEERED DETAIL

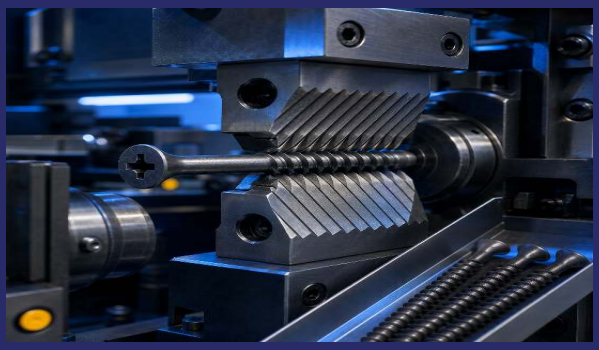
## Stage 01 / Wire drawing

Wire is reduced to the required diameter and prepared for consistent downstream forming.

ENGINEERED DETAIL

## Stage 02 / Cold heading

The head and drive geometry are formed while the shank is supported for dimensional consistency.



ENGINEERED DETAIL

## Stage 03 / Thread rolling

Threads are formed by rolling rather than cutting, producing the required helical profile.

ENGINEERED DETAIL

## Stage 04 / Heat treatment

Controlled heating and tempering develop the required fastener properties; actual cycle data is supplier-controlled.

PRECISION AT EVERY STAGE

# From zinc finish to dispatch

This is a process overview, not a statement of plant certification or process capability.

ENGINEERED DETAIL

## Stage 05 / Surface finish

A zinc coating is applied and finished to produce the specified bright surface.

ENGINEERED DETAIL

## Stage 06 / Inspection

Dimensions, drive, head, point, thread and surface condition are checked against the approved specification.


ENGINEERED DETAIL

## Stage 07 / Packaging

Finished screws are counted or weighed, packed and marked for handling and batch identification.


ENGINEERED DETAIL

## Stage 08 / Dispatch

Sealed cartons are palletized and prepared for controlled outbound movement.

SPECIFY BEFORE PURCHASE

# Procurement checklist

A product image and size label are not enough for a technical order. Record the fields below in the enquiry and obtain supporting documents where required.

### Product definition

Diameter, length, head, drive, point and fine/coarse thread.

### Applicable standard

Required standard and evidence of conformity for the supplied SKU.

### Base material

Steel grade and any required surface/core hardness.

### Quality evidence

Dimensional report, coating result, hardness result and batch traceability.

### Surface requirement

Zinc coating type, thickness and corrosion-test expectation.

### Commercial packing

Pieces per box, boxes per master carton and pallet configuration.

### Application system

Board type/thickness, timber or metal framing, and framing gauge.

### Supply terms

Quantity, lead time, destination, Incoterm and required documentation.

REQUEST A TECHNICAL QUOTATION

**Share the application, size and required documentation.**