What Are Concrete Formwork Snap-Tie Wedges Used For?

Engineering Hardware & Fasteners · engineeringhardware.com/applications/concrete-formwork-snap-tie-wedges

Concrete Formwork Snap-Tie Wedges are used for fixing steelwork, plant and services to concrete and masonry, where the anchor is set in a drilled hole and its capacity is governed by the base material rather than by the steel. They are manufactured to Trade series (snap-tie wedges), and selection is driven by the nominal diameter, the fit and tolerance the assembly requires, and the service environment.

Primary duty

Fixing steelwork, plant and services to concrete and masonry, where the anchor is set in a drilled hole and its capacity is governed by the base material rather than by the steel

Governing standard

Trade series (snap-tie wedges)

Category

Anchors & Concrete Fixings

Application notes are general engineering guidance. Verify the property class and any approval requirement against your own design calculation.



The primary duty of Concrete Formwork Snap-Tie Wedges is fixing steelwork, plant and services to concrete and masonry, where the anchor is set in a drilled hole and its capacity is governed by the base material rather than by the steel. Below: the sectors that specify them in volume, the checklist used to select the right size and material for the application, installation notes, and the known limits of the type.

Typical Applications for Concrete Formwork Snap-Tie Wedges

The most common settings where these are specified:

Fabrication & metalwork: bench and on-site assembly of steel frames, enclosures and weldments.

Structural fixing to concrete: base plates, brackets, rails and steelwork bolted to a concrete slab or wall.

Building services: suspending cable tray, ductwork, sprinkler pipe and unistrut from a soffit.

Plant & machine installation: holding down machines, presses and conveyors on a factory floor.

Fit-out & drylining: fixing to plasterboard, block and hollow wall where there is no solid backing.

Product catalog

Related Formwork Hardware products



(https://engineeringhardware.com/product/removable-metric-measurement-system-white-carbon-steel-wedge-anchor-bolt/)

Wedge & Through-Bolt Anchors

Removable Metric Measurement System White Carbon Steel Wedge Anchor Bolt (https://engineeringhardware.com/product/removable-metric-measurement-system-white-carbon-steel-wedge-anchor-bolt/)

Round Head · Carbon Steel ,SS304 SS316

US$0.012 – 0.06 MOQ 50,000 pieces



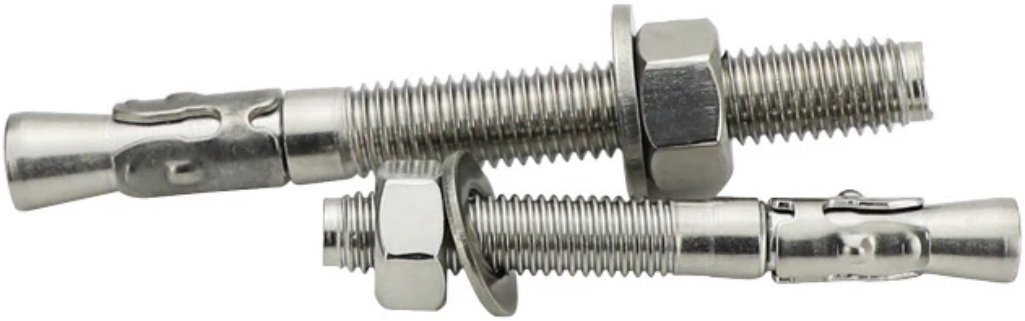
(https://engineeringhardware.com/product/high-strength-din-912-hex-socket-head-cap-screws-for-heavy-duty-industrial/)

Wedge & Through-Bolt Anchors

High Strength DIN 912 Hex Socket Head Cap Screws for Heavy-Duty Industrial Applications (https://engineeringhardware.com/product/high-strength-din-912-hex-socket-head-cap-screws-for-heavy-duty-industrial/)

Expansion Anchor Bolt · ANSI, BSW, DIN, GB, JIS

US$0.024 – 0.11 MOQ 1,000 pieces



(https://engineeringhardware.com/product/factory-standard-size-high-quality-stainless-steel-expansion-wedge-anchor-bolt/)

Wedge & Through-Bolt Anchors

Factory Standard Size High Quality Stainless Steel Expansion Wedge Anchor Bolt (https://engineeringhardware.com/product/factory-standard-size-high-quality-stainless-steel-expansion-wedge-anchor-bolt/)

Pan Head · ISO

US$0.012 – 0.06 MOQ 1,000 pieces



(https://engineeringhardware.com/product/cable-accessories-wedge-anchor-strain-clamp-suspension-tension-clamp/)

Wedge & Through-Bolt Anchors

Cable Accessories Wedge Anchor Strain Clamp /Suspension Tension Clamp (https://engineeringhardware.com/product/cable-accessories-wedge-anchor-strain-clamp-suspension-tension-clamp/)

Tension Clamp · Non-GB

US$0.60 – 2.40 MOQ 100 pieces



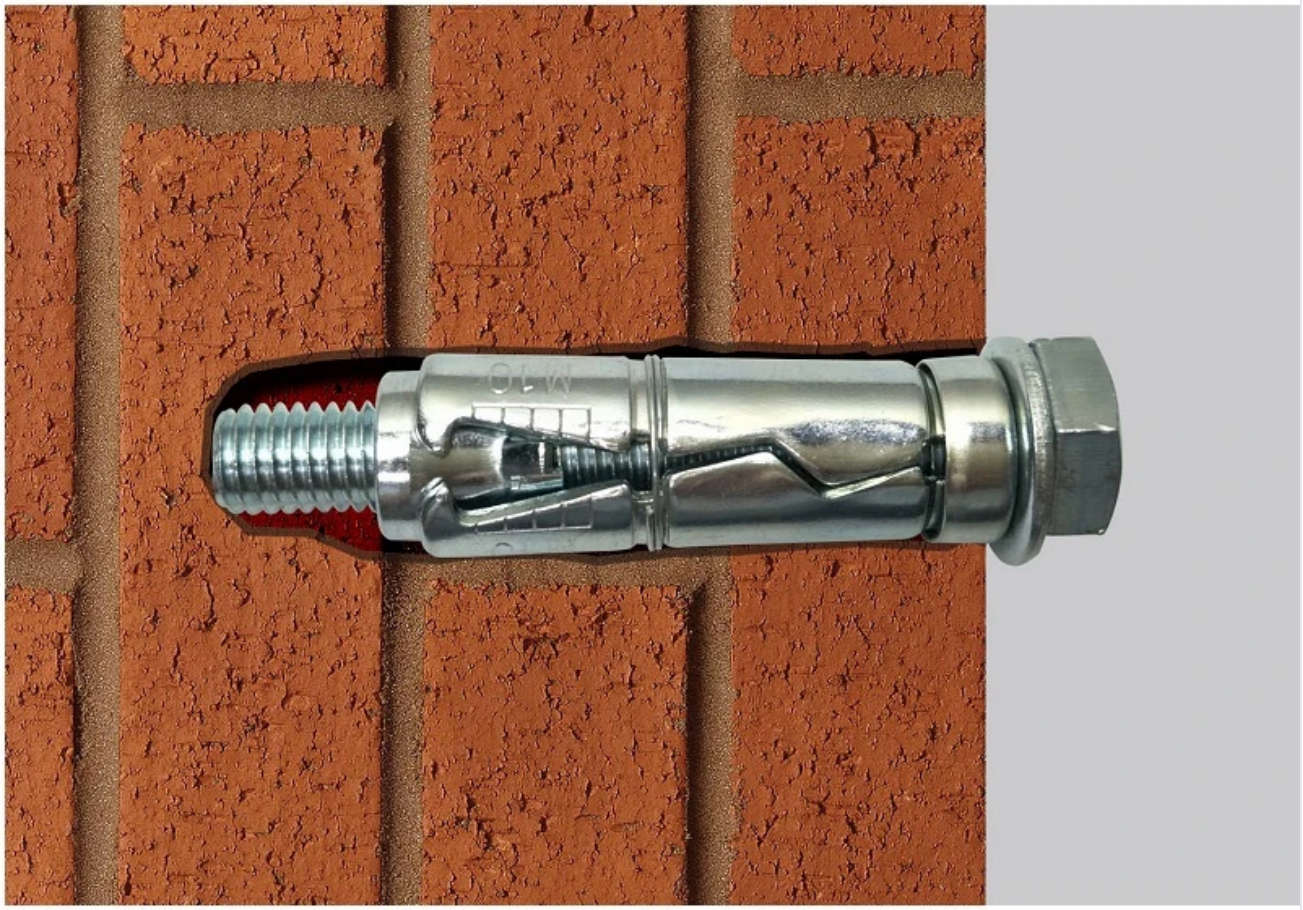
(https://engineeringhardware.com/product/china-factory-direct-sale-10-100-wedge-anchor-bolts-durable-high-quality-galvanized/)

Wedge & Through-Bolt Anchors

China Factory Direct Sale 10*100 Wedge Anchor Bolts Durable High Quality Galvanized Anchor Bolts
(https://engineeringhardware.com/product/china-factory-direct-sale-10-100-wedge-anchor-bolts-durable-high-quality-galvanized/)

DIN, ANSI, GB, JIS, BSW, GOST · Low Carbon Steel

US$0.012 MOQ 10,000 pieces



(https://engineeringhardware.com/product/high-strength-alloy-steel-wedge-anchor-for-heavy-equipment/)

Wedge & Through-Bolt Anchors

High-Strength Alloy Steel Wedge Anchor for Heavy Equipment
(https://engineeringhardware.com/product/high-strength-alloy-steel-wedge-anchor-for-heavy-equipment/)(https://engineeringhardware.com/product/high-strength-alloy-steel-wedge-anchor-for-heavy-equipment/)

Round Head · DIN

US$0.048 – 0.072 MOQ 1,000 pieces

View all Wedge & Through-Bolt Anchors →
(https://engineeringhardware.com/fastener-products/anchors-construction-fixings/wedge-through-bolt-anchors/)

Full product catalog (https://engineeringhardware.com/products/)

How to Specify Concrete Formwork Snap-Tie Wedges for Your Application

Size: Match the size to the mating part — see the dimension table below for each option.

Material: Choose the material and finish for the service environment — plated steel for general use, stainless for corrosion resistance.

Environment: For damp, coastal or chemical exposure prefer A4/316 stainless or a suitable coating; indoors, plated steel or A2 is usually sufficient.

Standard: This product is supplied to Trade series (snap-tie wedges). Quoting the standard on your order guarantees interchangeable dimensions between suppliers.

Where Concrete Formwork Snap-Tie Wedges Are Not the Right Choice

Match the fastener to the load, environment and whether the joint must be reopened; the wrong class or style is the usual cause of joint failure.

Custom manufacturing · Made to drawing

Need a concrete formwork snap-tie wedges outside the standard range?

Embedment depth, thread size, body length and corrosion protection are the variables; capacity remains a concrete design value, not a property of the anchor alone. Made by hot forging or thread rolling.

Minimum order from 2,000 pieces; samples within 7 days of drawing approval.

Custom anchor & concrete fixing manufacturing (https://engineeringhardware.com/custom/anchors/)

Send a drawing (https://engineeringhardware.com/custom/anchors/#rfq)

Technical Drawing

Customize the parameters below — every spec field is editable, and the drawing redraws to match the values you choose. Changing the size will snap the other fields to that size's standard values; you can then override any individual value.

Dimensioned line drawing of standard snap tie Concrete Formwork Snap-Tie Wedges to Trade series (snap-tie wedges). Side view and top view, drawn to the dimensions in the table below and redrawn for any size selected.

Sends the selected values to the quote form below.

Request a Quote

The form below follows the current technical drawing configuration. Change the drawing values above and the request details update automatically.

Dimensions & Specifications (Trade series (snap-tie wedges))

Fits	Installation	Removal	Reusable
standard snap tie	driven with a hammer	knocked off, tie snapped back	wedge yes, tie r
snap tie with jahn bracket	driven with a hammer	knocked off, tie snapped back	wedge yes, tie r

Video: What Are Concrete Formwork Snap-Tie Wedges Used For? in use





Snap Tie Wedges for Concrete Forms | See How They’re Used

(https://www.youtube.com/watch?v=Yr39u4tVQD4)

Third-party video, selected automatically for this topic. It is not produced by Engineering Hardware and is not a specification source — use the tables on this page for dimensional data.

Inside the plant

Manufactured in our own plant

This part is cold-formed, threaded, heat-treated and finished in-house. The stages below are where its class and finish are actually decided.



01

Cold heading

Wire rod is drawn to size and cold-formed into blanks. Forming rather than cutting keeps the grain flow continuous around the head, which is where a bolt is most likely to fail.

Head dimensions and under-head radius checked at set-up and per shift.



02

Thread rolling

Threads are rolled between hardened dies rather than cut. Rolled threads are stronger in fatigue than cut threads and hold pitch and flank angle far more consistently across a batch.

Go / no-go ring gauges to ISO 965 tolerance class 6g.



03

Heat treatment

Quench-and-temper brings carbon and alloy steel to the property class ordered — 8.8, 10.9 or 12.9 — with the furnace charge tracked so a finished lot can be traced back to it.

Core hardness and tensile tested per lot to ISO 898-1.



04

Surface treatment

Zinc, zinc-nickel, hot-dip galvanizing, black oxide, phosphate and Dacromet, selected against the service environment rather than against the price list.

Coating thickness and neutral salt spray hours to ISO 9227.

Frequently Asked Questions

How do I choose the right size of Concrete Formwork Snap-Tie Wedges?

Match the size to the mating part using the dimension table on this page.

What material should Concrete Formwork Snap-Tie Wedges be for outdoor use?

For damp, coastal or chemical environments specify A4 (316) stainless or a suitably coated steel. For indoor or dry use, A2 (304) stainless or zinc-plated steel is normally adequate.

Are Concrete Formwork Snap-Tie Wedges made to a recognized standard?

Yes — they are manufactured to Trade series (snap-tie wedges), so dimensions are interchangeable between suppliers when you quote the standard on your order.

What are Concrete Formwork Snap-Tie Wedges used for?

Fixing steelwork, plant and services to concrete and masonry, where the anchor is set in a drilled hole and its capacity is governed by the base material rather than by the steel. They are supplied to Trade series (snap-tie wedges).

Can I get a quote for Concrete Formwork Snap-Tie Wedges in the size and material I need?

Yes. Use the technical drawing and quote form on this page to set the size and options, then send the exact configuration to our team for pricing and lead time.

Related Pages

Product page: Concrete Formwork Snap-Tie Wedges — specifications & sizes (https://engineeringhardware.com/fastener/concrete-formwork-snap-tie-wedges/)

Concrete Formwork Snap-Tie Wedges Specification Guides

- **A4 stainless Concrete Formwork Snap-Tie Wedges (https://engineeringhardware.com/guide/material/a4-stainless-steel-concrete-formwork-snap-tie-wedges/)**

Related Fastener Applications

- **Chemical Anchor Studs (Resin-Bonded) applications (https://engineeringhardware.com/applications/chemical-anchor-studs/)**
- **Commercial Ground Screw Anchors applications (https://engineeringhardware.com/applications/commercial-ground-screw-anchors/)**
- **Concrete Coil Rods, Coil Nuts and Coil Bolts applications (https://engineeringhardware.com/applications/concrete-coil-rods-coil-nuts-and-coil-bolts/)**
- **Concrete Formwork Wedge Bolts applications (https://engineeringhardware.com/applications/concrete-formwork-wedge-bolts/)**
- **Concrete Screw Anchors applications (https://engineeringhardware.com/applications/concrete-screw-anchors/)**
- **Drive Anchors (Nail-In Anchors) applications (https://engineeringhardware.com/applications/drive-anchors/)**