



KOREA FORMWORK

STANDARD WEDGE PIN

Formwork Wedge Bolt / Fast, secure connection for compatible modular panels



Actual EVERSTAR wedge-pin product photo — image kept in original proportion with the complete brand mark visible.

FAST LOCKING Tapered geometry supports quick hammer-driven installation and progressive tightening.	PRECISE FIT Elongated slot, head and shoulder geometry are produced to approved drawings or samples.	REUSABLE Designed for repeated formwork cycles when correctly installed, inspected and maintained.
MADE TO THE CONFIRMED SYSTEM Dimensions, slot geometry, material, mechanical performance, surface appearance and packaging must be confirmed against the customer drawing, system sample or approved control sample.		



EVERSTAR manufacturing site, Hebei, China.

COMPANY Built for repeatable production and documented supply

Founded in 1999, SHIJIAZHUANG EVERSTAR HARDWARE MACHINERY CO., LTD. supplies wire, fencing, hardware and formwork accessories from Hebei, China. Production is supported by drawing review, process control, dimensional inspection and export-ready packaging.

58,000 m² Manufacturing site supporting multiple product families and export programs.	45 LINES Production capacity for wire, hardware and fabricated accessories.	210 PEOPLE Including 25 R&D personnel and 10 quality-control specialists.
OEM / ODM Drawing-based and sample-based development for compatible formwork systems.	QC SUPPORT Dimensional, hardness and performance checks according to the confirmed order.	EXPORT PACKING Cartons, pails, cases and palletized solutions for international delivery.

CONTACT Company details

PRODUCT ITEM	CONFIRMED DETAILS
Manufacturer	SHIJIAZHUANG EVERSTAR HARDWARE MACHINERY CO., LTD.
Address	Qiji Town Industrial Zone, Wuji County, Shijiazhuang City, Hebei Province, China
Telephone	+86 199 3304 4444
Email	blackwire@eswire.cn
Service	OEM, ODM, drawing-based and sample-based production



Black-steel wedge-pin samples. The complete EVERSTAR logo is retained in the catalogue image.

EVERSTAR Formwork Wedge Bolt is a high-strength steel connecting component designed for fast assembly and secure locking of compatible modular steel-plywood form panels. Its tapered body provides progressive tightening, while the elongated center slot and wide head profile support reliable engagement with panel side rails, form ties and matching connection hardware.

GEOMETRY **Structural design**

TAPERED BODY Progressively increases clamping force as the wedge is driven into the connection.	ELONGATED SLOT Provides engagement space for compatible panel and tie hardware; dimensions are system-specific.
WIDE HEAD Controls travel and provides a practical striking and removal area.	ROUNDED TIP Supports easier insertion and reduces interference during panel assembly.
PRODUCT IDENTIFICATION The source specification identifies this item as “Formwork Wedge Bolt.” In market usage it may also be called a Korea formwork wedge pin or standard wedge pin. Compatibility is determined by geometry and verified fit, not by name alone.	

PRODUCT ITEM	CONFIRMED DETAILS
Product name	Formwork Wedge Bolt
Brand	EVERSTAR
Material	High-strength carbon steel
Product shape	Flat tapered wedge with elongated center slot and wide locking head
Surface appearance	Black steel
Manufacturing method	Cutting or blanking, precision punching, forming, deburring and inspection
Compatible systems	Modular steel-framed plywood formwork systems
Compatible accessories	X-flat ties, loop ties, panel rails and matching connection hardware
Overall dimensions	According to approved drawing or sample
Slot dimensions	Customized to match panel and tie connection geometry
Mechanical performance	According to confirmed specification and EVERSTAR test report
Reusability	Reusable when correctly installed, inspected and maintained
Marking	Size, item number, batch code or customer marking available
Packaging	Cartons, pails, wooden cases or export pallets
Service	OEM, ODM, drawing-based and sample-based production

DATA INTEGRITY NOTE

No fixed nominal dimensions or unverified load values are added in this catalogue. Final values follow the approved drawing, physical sample, confirmed specification and applicable EVERSTAR test report.



Illustrative EVERSTAR production samples showing different surface appearances. Final finish follows the approved order or sample.

PRODUCT ITEM	CONFIRMED DETAILS
Overall length	Distance from the wide head to the wedge tip
Maximum head width	Overall width of the locking head
Body thickness	Steel thickness through the wedge body
Wedge angle	Taper required to achieve the designed locking action
Slot length	Overall length of the elongated center opening
Slot width	Clear width required for compatible hardware
Slot position	Distance from the head and side edges
Shoulder profile	Shape and dimensions of locking shoulders or retaining features
Tip profile	Width, radius and end geometry of the insertion point
ORDER CONFIRMATION Provide a dimensioned drawing or representative system sample. A control sample is recommended before mass production whenever panel openings, tie geometry or required locking travel are not fully documented.	

OPERATION Typical installation sequence

STEP	ACTION	CONTROL POINT
1	Align the panel-rail and tie connection openings.	Openings must be clean and fully aligned.
2	Insert the narrow wedge end through the compatible connection.	Do not force a mismatched wedge into the joint.
3	Drive the wide end with an appropriate site hammer.	Progressive tightening should seat the joint without damaging hardware.
4	Verify wedge seating, panel contact and joint alignment.	Inspect all connections before concrete placement.
5	After the required concrete strength is achieved, release the wedge.	Use approved stripping practice and avoid uncontrolled impact.
6	Clean and inspect before reuse.	Reject bent, cracked, torn, severely worn or deformed pieces.

FEATURES Key operating advantages

FAST ASSEMBLY Normally installed and removed with common site tools.	NO THREADED NUT Simple wedge action helps reduce repetitive tightening work.	PANEL ALIGNMENT Progressive seating assists repeatable connection of matching components.
REPETITIVE USE Suitable for repeated formwork cycles when inspection and maintenance are controlled.	TRACEABLE SUPPLY Size, item number and batch marking can be arranged.	CUSTOM FIT Geometry can be produced from an approved drawing or physical sample.
SITE CONTROL Installation method, spacing, connection count, form pressure, concrete placement rate, tie layout and bracing must be determined by the qualified formwork designer or responsible engineer.		

Typical applications

- Residential foundation walls
- Basement and retaining walls
- Commercial concrete walls
- Industrial concrete structures
- Columns and approved formed-concrete work
- Repetitive handset or gang-form operations
- Form-panel assembly and alignment

Compatible components

- Modular steel-framed plywood form panels
- X-flat ties
- Loop or gang-loop ties
- Panel side rails and filler connections
- Compatible ply-lag and waler hardware
- Corners and other modular components
- System-specific matching connection hardware

BEFORE APPROVAL Compatibility checklist

PRODUCT ITEM	CONFIRMED DETAILS
Panel opening	Confirm clear opening dimensions and edge condition.
Tie geometry	Confirm tie thickness, slot or loop geometry and stacking arrangement.
Wedge travel	Confirm the clamping range required to fully seat the joint.
Head clearance	Confirm access for installation, inspection and removal.
Load requirement	Confirm project design load and the test method required for the exact product.
Trial assembly	Fit the approved sample in the actual system before production release.

COMPATIBILITY WARNING

A similar appearance does not prove interchangeability. Do not use third-party published load values unless the exact EVERSTAR product, geometry, material, test method and application have been verified.

08

QUALITY CONTROL / Inspection points and practical troubleshooting

qc Inspection plan

RAW MATERIAL Material certificate and confirmed steel grade.	DIMENSIONS Length, width, thickness, taper, head, shoulder, slot and tip.	WORKMANSHIP Burrs, cracks, laminations, deformation and sharp unintended edges.
MECHANICAL Hardness, tensile, shear or proof-load checks as specified.	TRIAL FIT Assembly verification with approved panels and ties or control samples.	TRACEABILITY Batch identification, report status, labeling and packaging.

TROUBLESHOOTING Common issues and corrective controls

NO.	OBSERVATION / LIKELY CAUSE	CONTROL OR CORRECTIVE ACTION
1	Wedge cannot pass through: thickness, slot or tip mismatch.	Verify approved samples and all critical dimensions.
2	Joint remains loose: insufficient taper, head travel or stack thickness mismatch.	Optimize wedge profile and confirm required locking travel.
3	Difficult removal: overdriving, deformation, concrete residue or unsuitable taper.	Control installation practice; verify geometry; clean after use.
4	Slot deformation or tearing: edge condition, material or punching clearance.	Control punching, deburring, material and performance checks.
5	Wedge bends: excessive load, mismatch or incorrect material.	Confirm working load, test method and exact system fit.
6	Storage rust: moisture or construction residue.	Clean, dry and store under covered, ventilated conditions.
DOCUMENTATION AVAILABLE BY ORDER Dimensional inspection reports, material certificates, mechanical test reports and third-party inspection can be arranged when specified before production.		

Customizable product details

- Overall length, width and thickness
- Wedge angle and locking travel
- Head width and shoulder profile
- Slot length, width and position
- Tip width, radius and end profile
- Steel grade and mechanical requirements
- Hardness or heat-treatment requirement
- Surface appearance according to sample
- Item number, batch code or customer marking

Packaging options

- Reinforced export cartons
- Pails for convenient site handling
- Cartons arranged on export pallets
- Wooden or plywood cases
- Steel-strapped palletized units
- Customer labels and barcodes
- Shipping marks and batch identification
- Customized quantity and unit weight

RFQ Information required for quotation

PRODUCT ITEM	CONFIRMED DETAILS
Product definition	Dimensioned drawing, approved sample or exact system reference
Material / performance	Required steel grade, hardness and mechanical test requirement
Surface	Black steel or appearance according to the approved sample or order
Quantity	Trial quantity and forecast mass-production quantity
Packaging	Unit quantity, carton or pail requirement, pallet and label details
Inspection	Required certificates, reports, witness points or third-party inspection
Delivery	Destination, Incoterm and required shipment schedule

SURFACE PHOTO NOTE

Product photos in this catalogue show actual EVERSTAR samples with different visible finishes. The specification table records black steel as the source-document surface appearance; any alternative appearance must be confirmed by sample or order.

ORDER WITH CONFIDENCE

 / Verification, safe use and contact

SUPPLY Why EVERSTAR

DRAWING REVIEW Critical geometry is reviewed against the approved drawing or control sample.	SAMPLE APPROVAL Trial production supports fit verification before mass release.	CONTROLLED QC Dimensional, workmanship and specified performance checks.
OEM MARKING Item, size, batch and customer marking options.	EXPORT PACKING Packaging tailored to handling, storage and shipment requirements.	GLOBAL SERVICE English-language commercial and technical coordination for export orders.

IMPORTANT Safety and use statement

LOAD-BEARING FORMWORK ACCESSORY

Selection, spacing, quantity, allowable load, panel capacity, concrete placement rate, tie layout, bracing, installation and stripping procedures must be established by a qualified formwork designer or responsible engineer. Use only confirmed compatible components. Inspect before every use and remove damaged items from service.

QUOTATION Contact our team

PRODUCT ITEM	CONFIRMED DETAILS
Company	SHIJIAZHUANG EVERSTAR HARDWARE MACHINERY CO., LTD.
Address	Qiji Town Industrial Zone, Wuji County, Shijiazhuang City, Hebei Province, China
Telephone	+86 199 3304 4444
Email	Lewis@everstarsteelproducts.com
Product request	Korea Formwork Standard Wedge Pin / Formwork Wedge Bolt

FAST FIT • VERIFIED GEOMETRY • CONSISTENT SUPPLY

EVERSTAR | Hardware made to the confirmed system