



X-FLAT WALL TIE

MODULAR FORMWORK ACCESSORY

PRODUCT CATALOGUE | 2026

Flattened carbon-steel wall tie with precision-punched slotted ends for compatible modular steel-plywood formwork systems.

01 DRAWING-BASED

Dimensions, slots and breakback follow the approved drawing.

02 STANDARD / HEAVY

Material and profile selected for the confirmed duty.

03 OEM SUPPLY

Custom sizes, marking, bundles and export packing.

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02 PRODUCT CATALOGUE

EVERSTAR AT A GLANCE

Factory-direct formwork accessories, wire and construction hardware



EVERSTAR MANUFACTURING SITE | WUJI, SHIJIAZHUANG, HEBEI, CHINA

Founded in 1999, Shijiazhuang Everstar Hardware Machinery Co., Ltd. manufactures wire, fencing and construction-hardware products for international buyers. The company operates a 58,000 m² facility with 45 production lines and 210 experienced employees.

ESTABLISHED 1999	FACTORY AREA 58,000 m²	PRODUCTION LINES 45	EMPLOYEES 210
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Buyer Support

01 DRAWING REVIEW Check wall-face distance, overall length, slot and breakback details.	02 QUALITY CONTROL Material, dimensions, edge condition and ordered test items.
03 OEM SERVICE Custom marking, labels, bundle quantity and export packing.	04 TECHNICAL COORDINATION Confirm panel, wedge and tie geometry before production.
FACTUAL PRODUCT DATA Catalogue values are reference data. Final supply follows the approved drawing, sample and purchase specification.	

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PRODUCT OVERVIEW

Flattened wall tie for compatible modular steel-plywood panel systems



EVERSTAR X-Flat Wall Tie is manufactured from selected carbon-steel wire rod. The round rod is straightened and flattened, then the end slots and optional breakback details are precision-punched. The finished tie has a natural silver-white, uncoated steel appearance.

The tie spaces opposing modular form panels during concrete placement. Its elongated end slots connect to compatible panel side rails with wedge bolts, helping maintain the specified wall thickness and resist fresh-concrete pressure within an approved formwork design.

Key Product Characteristics

01 ACCURATE SPACING Wall-face distance produced to the approved dimension.	02 FLATTENED ROD Straightened carbon-steel rod formed into a flat profile.	03 SLOTTED ENDS Elongated slots for a confirmed wedge-bolt connection.
04 BREAKBACK OPTION Notched or controlled breakback details when specified.	05 DUTY OPTIONS Standard or heavy-duty construction to confirmed requirements.	06 TRACEABILITY Batch identification and inspection records available by order.

COMPATIBILITY | X-Flat ties are not universal. Confirm the panel side rail, opening, wedge-bolt dimensions, tie slot and wall thickness before ordering.

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TECHNICAL SPECIFICATIONS

Supply data taken from the confirmed product document

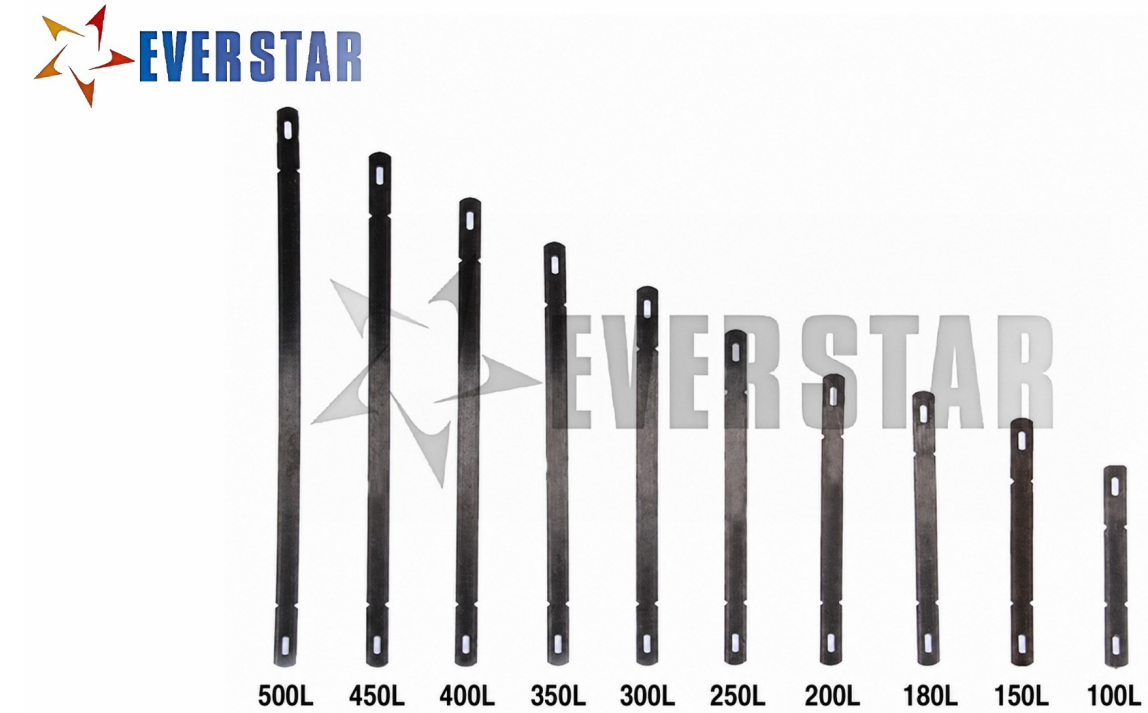
APPROVED DRAWING CONTROLS Final dimensions, tolerances, breakback and load requirements follow the approved drawing and test specification.	
PRODUCT ITEM	DETAILS
Product Name	X-Flat Wall Tie
Brand	EVERSTAR
Raw Material	Selected carbon-steel wire rod
Manufacturing	Straightening, flattening, precision punching, deburring and inspection
Structure	Flattened wire-rod profile with an elongated punched slot at each end
Common Nominal Wall Sizes	4–24 in / approximately 100–600 mm
Other Sizes	Custom production according to approved drawings
Duty	Standard or heavy duty
Breakback	Notched or controlled, as specified
Surface	Natural silver-white steel, uncoated
Compatible Fastener	Wedge bolt for confirmed modular form-panel connections
Tolerance	According to approved drawing or confirmed standard
Load Requirement	According to approved formwork design and EVERSTAR test report for the exact confirmed specification
Marking	Size, batch number and customer mark as required
Packaging	Bundles, cartons, wooden cases or export pallets
Service	OEM / ODM production from drawing or physical sample

Important Distinction

Nominal wall thickness, finished wall-face distance and overall tie length are related but are not interchangeable values. Panel-face thickness, side-rail geometry and breakback position affect the final dimensions.

SIZE REFERENCE

Common nominal wall sizes; final dimensions require drawing approval



ACTUAL LENGTH EXAMPLES SHOWN. THE PHOTO LABELS DO NOT BY THEMSELVES DEFINE NOMINAL WALL THICKNESS.

REFERENCE	INCH	APPROX. MM	AVAILABLE DUTY
ES-XFT100	4	100	Standard / Heavy
ES-XFT150	6	150	Standard / Heavy
ES-XFT200	8	200	Standard / Heavy
ES-XFT250	10	250	Standard / Heavy
ES-XFT300	12	300	Standard / Heavy
ES-XFT350	14	350	Standard / Heavy
ES-XFT400	16	400	Standard / Heavy
ES-XFT450	18	450	Standard / Heavy
ES-XFT500	20	500	Standard / Heavy
ES-XFT600	24	600	Standard / Heavy

SIZE CONFIRMATION | Provide nominal wall thickness, panel face/side-rail geometry, overall length, flattened profile, slot and breakback position. An approved drawing or physical sample is recommended.

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CONNECTION & INSTALLATION

Typical sequence for a confirmed modular form-panel system



01	Position the tie between opposing form panels at the approved tie location.
02	Pass each slotted end through the confirmed panel side-rail connection point.
03	Insert the compatible wedge bolt through the panel opening and tie slot.
04	Drive or secure the wedge bolt according to the formwork-system procedure.
05	Check wall spacing, alignment, bracing and every connection before concrete placement.
06	After concrete reaches the specified strength, strip panels and treat or break back the tie ends as required.

Related System Components

01 FORM PANELS Modular steel-framed plywood panels.	02 WEDGE BOLTS Dimensions must match panel and tie slot.	03 CORNERS / FILLERS Selected for the approved wall layout.	04 WALERS / BRACES Designed for placement pressure and alignment.
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ENGINEERING RESPONSIBILITY | A qualified designer must determine tie type, spacing, load, panel capacity, placement rate and bracing. Use only compatible components and an approved formwork plan.

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MANUFACTURING & QUALITY CONTROL

Process discipline from wire rod to packed ties



Manufacturing Process

01 Selected carbon-steel wire rod	02 Straightening to remove coil set	03 Controlled flattening of the rod profile
04 Precision punching of slots and specified breakback details	05 Deburring, edge and straightness control	06 Final inspection, counting and packing

Inspection Points

01 MATERIAL Grade or material certificate as ordered.	02 DIMENSIONS Width, thickness, wall-face distance and overall length.	03 SLOTS Length, width, position and edge condition.	04 BREAKBACK Notch form and distance when specified.
05 PROFILE Straightness, flatness and edge condition.	06 SURFACE Natural steel appearance and oxidation control.	07 MECHANICAL Tensile or proof-load checks only to a confirmed test method.	08 PACKING Quantity, traceability labels and export protection.

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CUSTOMIZATION & COMPATIBILITY

Order the tie from confirmed system data—not by appearance alone

Information Required for Production

01 WALL DIMENSION Nominal wall thickness and required wall-face distance.	02 PANEL SYSTEM Panel face, side rail, opening and connection geometry.	03 OVERALL LENGTH End-to-end length from approved drawing or sample.	04 FLAT PROFILE Flattened width, thickness and edge requirements.
05 SLOT DETAILS Slot length, width, position and wedge-bolt dimensions.	06 BREAKBACK Notch type, location and post-strip treatment.	07 DESIGN LOAD Required load, safety factor and exact test method.	08 COMMERCIAL DATA Quantity, marking, bundle size and packing.

Available OEM Options

01 SIZE RANGE Common references or fully custom dimensions.	02 MATERIAL / DUTY Grade, mechanical properties and standard/heavy duty.	03 MARKING Size, batch and private-label identification.	04 PACKING Bundles, cartons, cases and export pallets.
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Typical Selection Issues

ISSUE	LIKELY CAUSE	CONTROL
Wrong wall thickness	Mismatched face dimension	Confirm wall size, panel face and breakback on drawing.
Wedge will not pass	Slot or opening mismatch	Check the actual wedge, panel opening and tie-slot dimensions.
Tie bends in use	Unsuitable profile or spacing	Confirm design load and select material/profile by verified test.
Difficult breakback	Notch type or position unsuitable	Customize notch form and breakback distance.
Surface oxidation	Uncoated steel exposed to moisture	Use dry protected packing and covered, ventilated storage.

LOAD DATA | Do not apply third-party or generic load values. A rating is valid only for the exact material, profile, dimensions, breakback detail and confirmed test method.

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FREQUENTLY ASKED QUESTIONS

Practical answers for specification, ordering and use

01 What is an X-Flat Wall Tie? A flattened carbon-steel tie with slotted ends used to space and connect compatible modular form panels.	02 Which wall sizes are common? References from 4 to 24 in (about 100–600 mm) are common; final dimensions require drawing confirmation.
03 Is it compatible with every formwork brand? No. Panel rail, opening, wedge and tie-slot geometry must be checked.	04 What is the surface finish? The standard document describes a natural silver-white, uncoated steel surface.
05 Can the breakback be customized? Yes. Notch form and position can follow an approved drawing or physical sample.	06 Are standard and heavy-duty types available? Yes, after material, dimensions, duty and test requirements are confirmed.
07 Can EVERSTAR supply custom sizes? Yes. OEM / ODM production is available from approved drawings or samples.	08 How is the load rating confirmed? Only by an agreed test method for the exact supplied specification and approved formwork design.
09 How should the ties be stored? Keep bundles dry, covered and ventilated; avoid direct exposure to water and corrosive materials.	10 What should be sent for a quotation? Drawing/sample, wall size, panel and wedge details, load requirement, quantity, marking and packing.

FORMWORK SAFETY | Form ties are load-bearing components. A qualified designer must confirm the exact tie, spacing, panel capacity, placement rate, concrete pressure and bracing before use.

Packing & Identification

01 BUNDLES Steel-strapped bundles or reinforced cartons.	02 EXPORT Wooden/plywood cases and pallets when required.	03 LABELS Size, batch, quantity, barcode and customer marks.
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REQUEST A QUOTATION

Send the confirmed system data for a reliable production offer



Please Include

01 DRAWING / SAMPLE Approved tie drawing or one physical reference sample.	02 SYSTEM GEOMETRY Panel side rail, opening and wedge-bolt dimensions.	03 DIMENSIONS Wall-face distance, overall length, profile, slot and breakback.
04 LOAD / TEST Design load, safety factor and required test method.	05 ORDER DATA Quantity, marking, bundle count and packing.	06 DELIVERY Destination, target shipment and document requirements.

QUALITY CREATES LONG-TERM PARTNERSHIPS
X-FLAT WALL TIE | STANDARD & CUSTOM SUPPLY



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