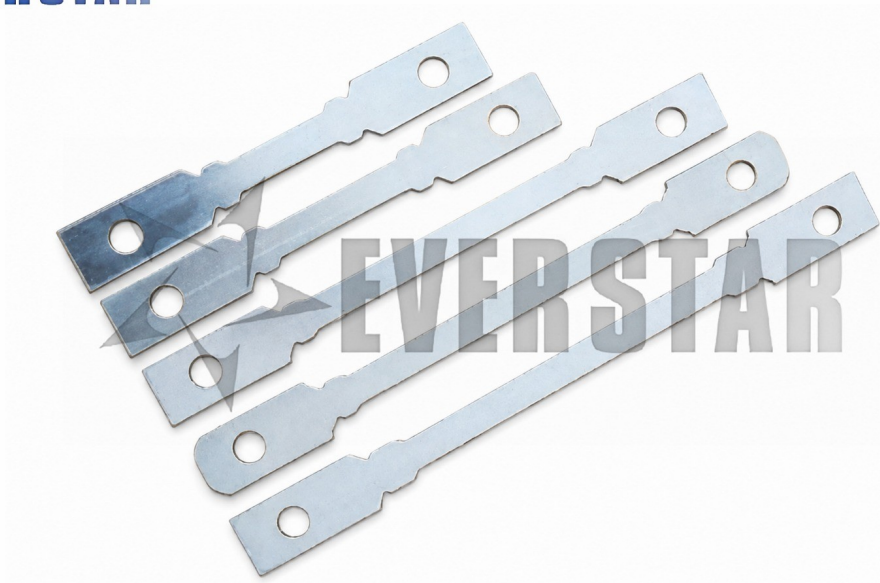




ALUMINUM FORMWORK FLAT TIE

STEEL WALL TIE FOR ALUMINUM FORM SYSTEMS



Accurate wall-thickness control with round-hole pin connections and controlled breakback details.

STEEL CONSTRUCTION

Selected carbon steel for required tensile performance

SYSTEM MATCHED

Full, nominal and custom dimensions

FAST CONNECTION

Compatible form pins and wedges

02 PRODUCT CATALOGUE

ABOUT EVERSTAR

MANUFACTURING CAPABILITY & EXPORT SUPPORT



MANUFACTURING SINCE 1999

SHIJIAZHUANG EVERSTAR HARDWARE MACHINERY CO., LTD. manufactures wire products, construction hardware and formwork accessories for international buyers. Our 58,000 m² facility integrates material preparation, precision forming, punching, inspection and export packing.

58,000 M² FACILITY Integrated manufacturing base	45 PRODUCTION LINES Stable capacity and scheduling
210 EMPLOYEES Including 25 R&D personnel	10 QC INSPECTORS Dimensional and assembly checks

BUYER SUPPORT

OEM/ODM • drawing and sample development • matched pins and wedges • mechanical-testing support • customized export packing

03 PRODUCT CATALOGUE

PRODUCT OVERVIEW

STEEL FLAT WALL TIE FOR ALUMINUM FORMWORK



Actual products showing round holes, enlarged end plates and breakback sections

FIXED SPACING BETWEEN OPPOSING PANELS

The narrow center section spans the wall cavity while enlarged ends connect to aluminum-panel rails through compatible pins and wedges. The confirmed tie geometry maintains the required form-face distance and finished concrete-wall thickness.

ROUND PIN HOLES	BREKBACK SECTIONS	FULL OR NOMINAL
Diameter and position matched to the selected form pin	Controlled reduced areas for end removal after stripping	Sizing convention confirmed for the customer's system

IMPORTANT | The tie is steel, not aluminum. Final dimensions and mechanical requirements must follow an approved drawing or physical sample.

04 PRODUCT CATALOGUE

TECHNICAL SPECIFICATIONS

COMMON MARKET REFERENCES

PRODUCT ITEM	DETAILS
Product Name	Aluminum Formwork Steel Flat Wall Tie
Alternative Names	Full Wall Tie, Nominal Wall Tie, Aluminum Form Tie
Material	Selected high-strength carbon steel
Structure	Narrow center section with enlarged round-hole ends
Common Wall Sizes	6, 8, 9, 10 and 12 in; other sizes customized
Common Thickness	Approx. 1.8–3.0 mm; final value by approved design
Tie Width	According to approved drawing
Connection	Round-hole form pin with straight or curved wedge
Breakback	Controlled notch or reduced section as specified
Surface	Natural metallic appearance or approved finish
Mechanical Performance	According to approved design and EVERSTAR test report
Service	OEM, ODM, drawing-based and sample-based production

SPECIFICATION CONTROL | Common ranges are references only. Do not place an order until all dimensions and test requirements are confirmed.

DESIGN & DIMENSION CONFIRMATION

MATCH THE COMPLETE PANEL CONNECTION



Length variants and end geometry for different wall sizes and systems

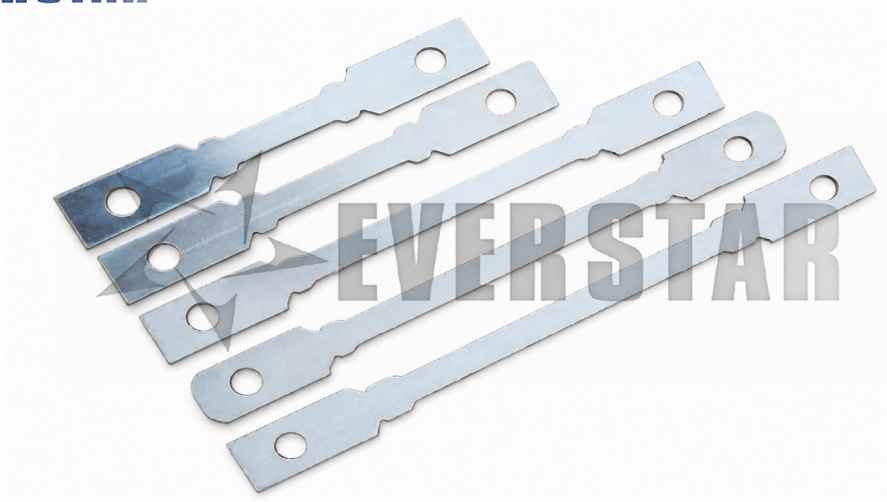
PRODUCT ITEM	DETAILS
Wall Thickness	Required finished concrete-wall thickness
Form-Face Distance	Distance maintained between form-contact surfaces
Overall Length	Full end-to-end length
Hole-to-Hole Distance	Center distance between round pin holes
Center Width / Thickness	Load-bearing strip dimensions
End Plate	Width, length and transition profile
Pin Hole	Diameter, position and edge distance
Breakback	Distance, notch profile and reduced-section geometry

BEST PRACTICE | Provide the tie, pin, wedge and panel-rail sample—or a complete approved drawing—before mass production.

06 PRODUCT CATALOGUE

INSTALLATION & APPLICATIONS

PIN-AND-WEDGE CONNECTION SEQUENCE



TYPICAL INSTALLATION

1 POSITION PANELS Set opposing panels to the designed wall thickness	2 PLACE TIE Pass the center section through the specified panel joint
3 ALIGN HOLES Align tie-end holes with panel-rail holes	4 INSERT PINS Pass compatible pins through rails and tie holes
5 LOCK WEDGES Drive straight or curved wedges securely	6 INSPECT Check spacing, alignment, bracing and every connection

APPLICATIONS

Residential walls • basements and foundations • shear walls and lift cores • columns • commercial and high-rise buildings • repetitive monolithic concrete construction

07 PRODUCT CATALOGUE

MANUFACTURING & QUALITY CONTROL

PRECISION BLANKING, PUNCHING & INSPECTION

PRODUCTION FLOW

1 MATERIAL Steel-grade verification	2 CUTTING Precision blanking or cutting	3 PUNCHING Round holes and breakback details	4 DEBURRING Edge and burr control
5 INSPECTION Dimensions and visible defects	6 TESTING Agreed tensile or proof-load method	7 TRIAL FIT Pin, wedge and panel sample	8 PACKING Size-separated export packing

INSPECTION CHECKPOINTS

GEOMETRY Length, hole centers, widths and thickness	HOLE QUALITY Diameter, position, edge distance and burrs
BREAKBACK Location, notch profile and consistency	MATERIAL Certificates, cracks and lamination
STRAIGHTNESS Flatness and deformation control	TRACEABILITY Batch records, labels and packing

TESTING | Load values apply only to the exact confirmed material, geometry, fixture and test method.

CUSTOMIZATION & ORDERING

OEM PRODUCTION TO DRAWING OR SAMPLE



SIZING Full, nominal and custom wall sizes	GEOMETRY Length, hole centers, width and thickness	CONNECTION Pin-hole size, position and end plate
BREAKBACK Distance, notch and reduced profile	IDENTIFICATION Size, batch code or customer marking	PACKING Bundles, cartons, cases and pallets

QUOTE INFORMATION

Sizing convention • finished wall thickness • overall and hole-to-hole length • center width and thickness • hole diameter • breakback details • material/test requirement • quantity • packing • destination port

COMPATIBILITY | Confirm the actual panel rail, pin and wedge as one assembly. A product name alone does not guarantee interchangeability.

09 PRODUCT CATALOGUE

FAQ & TECHNICAL NOTES

PRACTICAL ANSWERS FOR SOURCING

PRODUCT ITEM	DETAILS
Is the tie aluminum?	No. It is a steel tie used with compatible aluminum formwork.
Full tie vs nominal tie?	They follow different system-dependent sizing conventions; confirm face and hole-center dimensions.
Common wall sizes?	6, 8, 9, 10 and 12 in are references; custom sizes are available.
Available thickness?	Approx. 1.8–3.0 mm is common; final thickness depends on design and performance.
Which pins and wedges?	Round- or flat-head pins with straight or curved wedges when dimensions match.
Can ends break off?	Yes, when approved controlled-breakback details are included.
Can you copy our sample?	Yes. Samples or drawings can be converted into approval drawings.
Are test reports available?	Yes, against an agreed specification and test method.
Can matching hardware be supplied?	Yes. Compatible pins and wedges can be supplied and trial assembled.
What is needed for quotation?	Dimensions, wall size, material/testing, quantity, packing and destination port.

SAFETY | A qualified formwork designer must determine tie spacing, working load, panel capacity, concrete placement rate and bracing.



ALUMINUM FORMWORK FLAT TIE

CUSTOM STEEL WALL-TIE SOLUTIONS



SEND US YOUR DRAWING OR SAMPLE

We will confirm sizing convention, connection geometry, mechanical requirements, matching hardware, packing and sample approval before mass production.

PRODUCT ITEM	DETAILS
COMPANY	SHIJIAZHUANG EVERSTAR HARDWARE MACHINERY CO., LTD.
ADDRESS	Qiji Town Industrial Zone, Wuji County, Shijiazhuang City, Hebei Province, China
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