



FORMWORK TIE ROD WASHER PLATE / WALER PLATE

LOAD DISTRIBUTION COMPONENT | 2026

Heavy-duty carbon-steel plate for spreading tie-rod clamping force across timber or steel walers.

CARBON STEEL	STANDARD / CUSTOM	SURFACE OPTIONS
Q235, S235, S355 or required grade.	Square, pressed or reinforced designs.	Black, zinc, hot-dip galvanized or painted.

SHIJIAZHUANG EVERSTAR HARDWARE MACHINERY CO., LTD.

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02 PRODUCT CATALOGUE

EVERSTAR AT A GLANCE

Factory-direct construction hardware supply



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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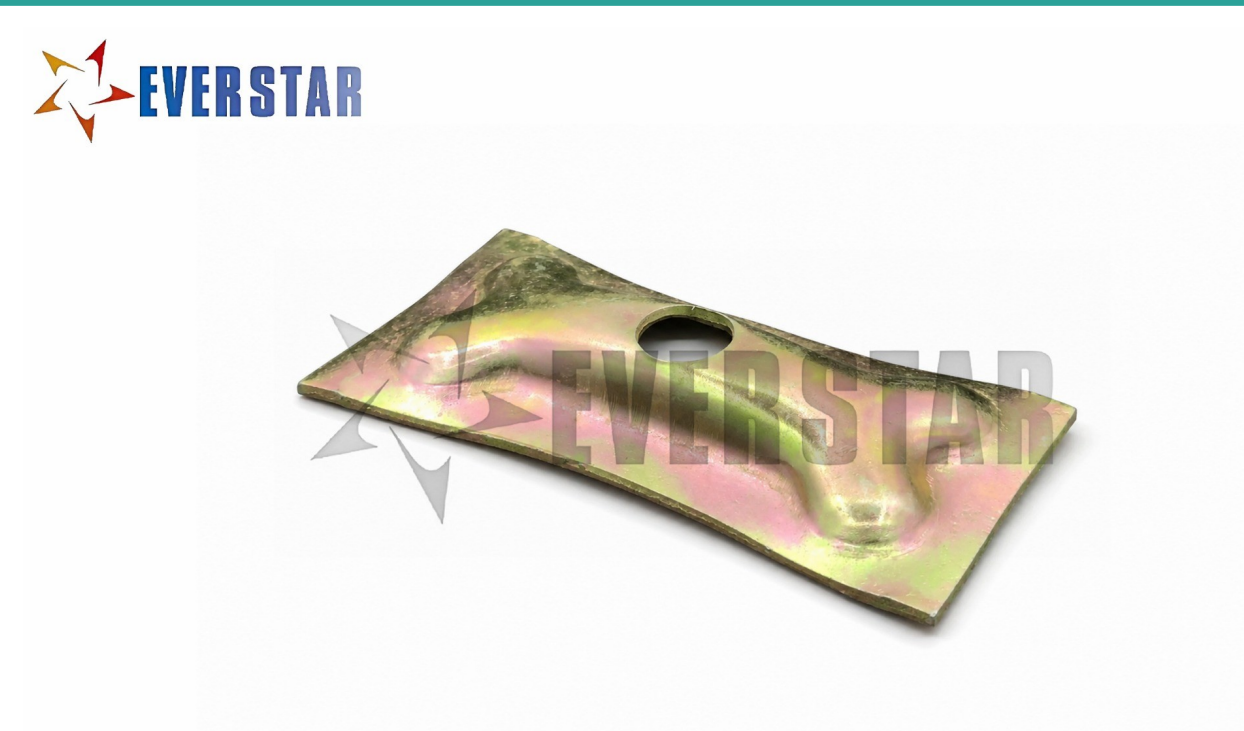
Buyer Support

01DRAWING REVIEW Plate size, thickness, hole and profile review.	02QUALITY CONTROL Material, dimensions, burrs, profile and coating.
03OEM SERVICE Custom marks, labels, bundles and pallets.	04EXPORT SUPPORT Protected packing and commercial documents.

03 PRODUCT CATALOGUE

PRODUCT OVERVIEW

Load-distribution plate for concrete formwork tie systems



The EVERSTAR Formwork Tie Rod Washer Plate, also known as a Waler Plate, is installed between the formwork waler and the tie rod nut. Its wide steel surface spreads the clamping force, helps reduce local deformation around the tie point and keeps both sides of the formwork securely connected during concrete pouring.

Heavy-duty carbon-steel plates are available in flat, pressed and reinforced designs. Plate size, thickness, center-hole diameter, material grade and surface treatment can be customized to suit different tie rods, nuts and formwork systems.

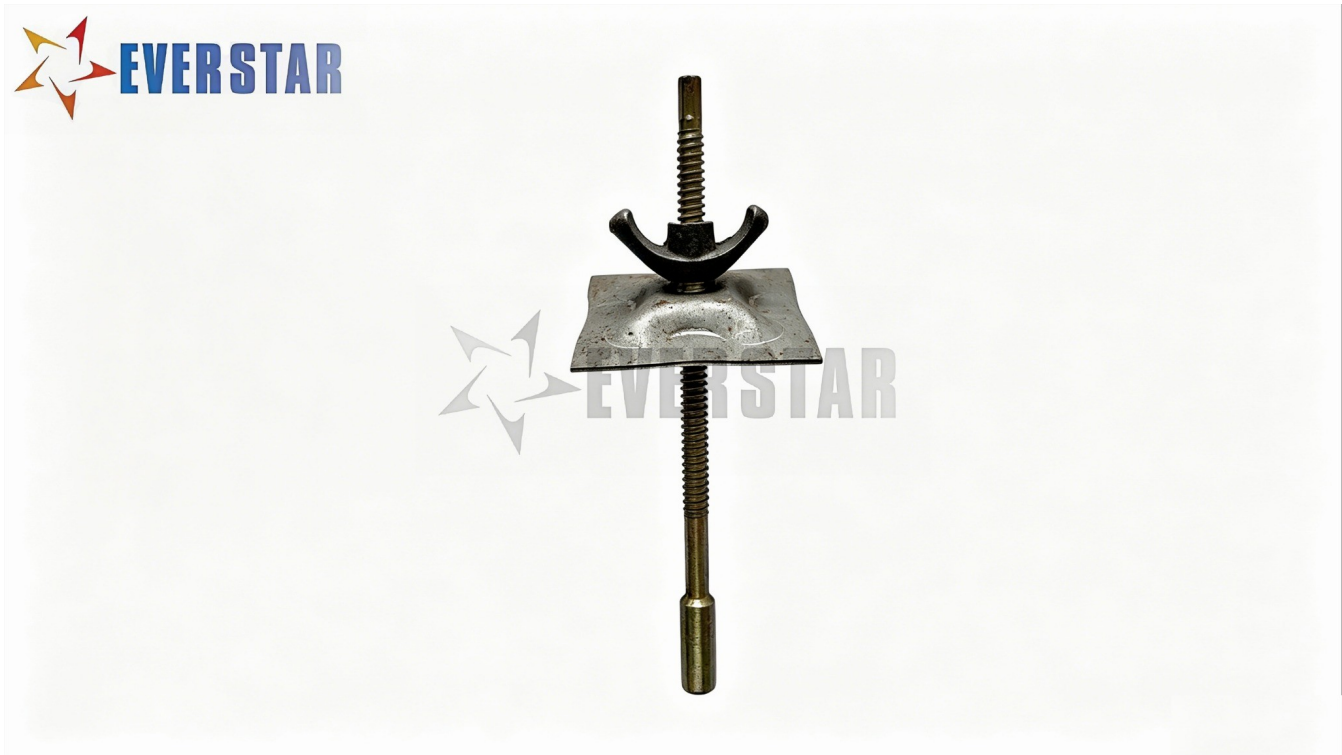
Main Features

01LOAD DISTRIBUTION Spreads nut force across the waler.	02HEAVY-DUTY STEEL Carbon steel resists bending in repeated use.	03ACCURATE HOLE Hole size follows the selected tie rod.
04SURFACE OPTIONS Black, zinc, hot-dip galvanized or painted.	05REUSABLE Removable with compatible tie components.	06CUSTOM PRODUCTION Dimensions, profile and packing to drawing.

04 PRODUCT CATALOGUE

SYSTEM & INSTALLATION

How the plate works with the tie rod, waler and nut



TIE ROD	WALER	WALER PLATE	NUT
Passes through both formwork faces.	Timber or steel support member.	Distributes nut pressure.	Wing, hex or compatible anchor nut.

Working Sequence

01	Pass the formwork tie rod through both sides of the wall formwork.
02	Place a washer plate against the timber or steel waler on each outside face.
03	Tighten a wing nut, hex nut or compatible anchor nut against the plate.
04	The plate spreads the clamping force and helps maintain the designed wall thickness.
05	After concrete reaches the required strength, remove reusable tie-system parts according to site procedure.

SYSTEM NOTICE | Confirm compatibility and permissible load for the complete tie system before use.

05 PRODUCT CATALOGUE

TECHNICAL SPECIFICATIONS

Standard supply data from the product document

FINAL DIMENSIONS AND LOAD REQUIREMENTS FOLLOW APPROVED DRAWINGS.

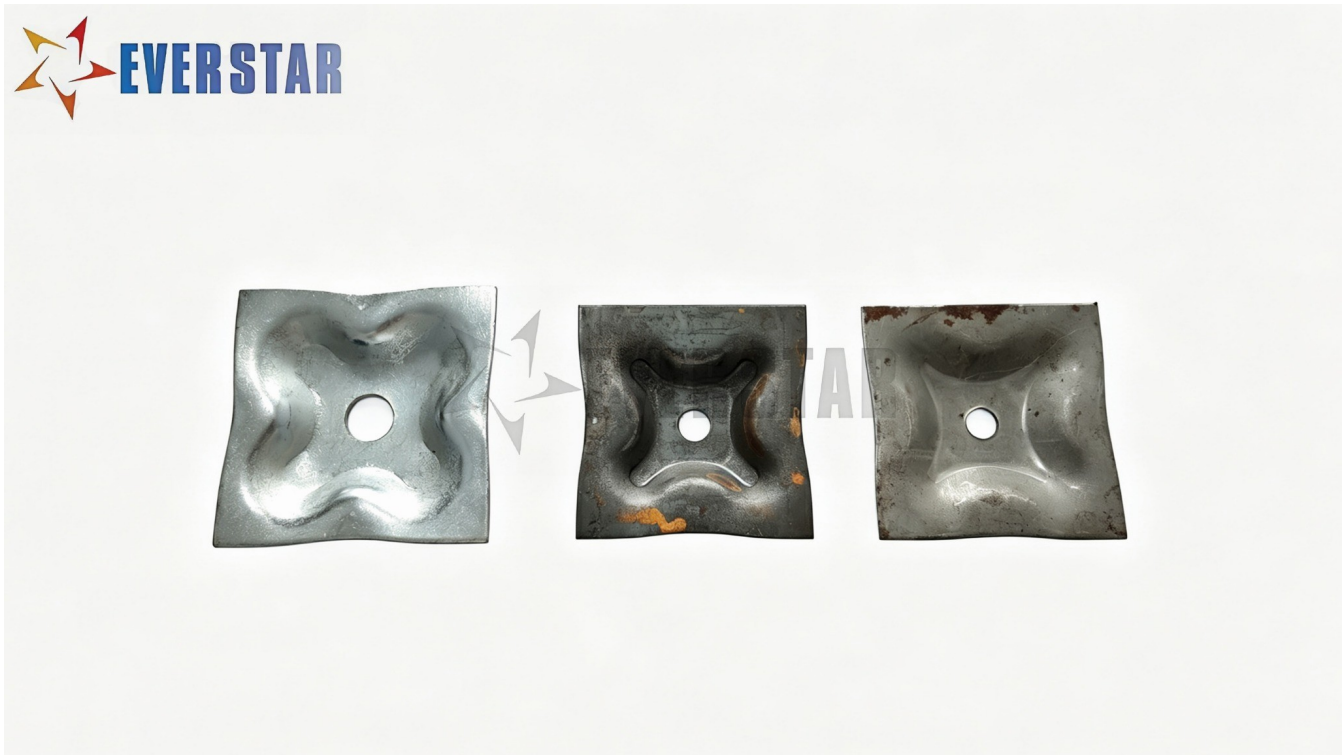
PRODUCT ITEM	DETAILS
Product Name	Formwork Tie Rod Washer Plate / Waler Plate
Brand	EVERSTAR
Material	Carbon Steel
Optional Grades	Q235, S235, S355 or as required
Shape	Square
Plate Type	Flat, Pressed or Reinforced
Common Sizes	100 × 100, 120 × 120, 150 × 150 mm
Thickness	4–10 mm or Customized
Center Hole	18–26 mm or Customized
Compatible Tie Rods	15/17 mm and other specified systems
Surface Treatment	Black, Zinc-Plated, Hot-Dip Galvanized or Painted
Application	Concrete Wall and Column Formwork
Packaging	Steel-Strapped Bundles, Wooden Cases or Pallets
OEM / ODM	Available

Compatibility and permissible load depend on the complete tie rod, nut, plate and waler system. Confirm the full system before use.

06 PRODUCT CATALOGUE

COMMON SIZE REFERENCE

Market-reference dimensions for preliminary selection



The following dimensions are common market references. Final thickness, hole diameter and load requirements must be confirmed for the complete formwork tie system and project design.

PLATE SIZE	COMMON THICKNESS	CENTER HOLE
100 × 100 mm	6, 8 or 10 mm	18–22 mm
120 × 120 mm	4, 5, 6, 8 or 10 mm	18–24 mm
150 × 150 mm	5, 6, 8 or 10 mm	20–26 mm
CUSTOM	According to Drawing	According to Tie Rod

Selection Checklist

01PLATE SIZE Length and width.	02THICKNESS Required bending resistance.	03CENTER HOLE Match the selected tie rod.
04PLATE PROFILE Flat, pressed or reinforced.	05SURFACE Corrosion and budget requirement.	06SYSTEM LOAD Confirm complete assembly performance.

07 PRODUCT CATALOGUE

MANUFACTURING & QUALITY CONTROL

Inspection from raw steel to final packing

Each production batch is inspected for stable dimensions, tie-rod compatibility and reliable manufacture. Material certificates, coating reports and third-party testing can be arranged when required by the order.

Production Control Flow

01 MATERIAL	02 CUTTING	03 PUNCHING	04 PRESSING
05 DEBURRING	06 COATING	07 INSPECTION	08 PACKING

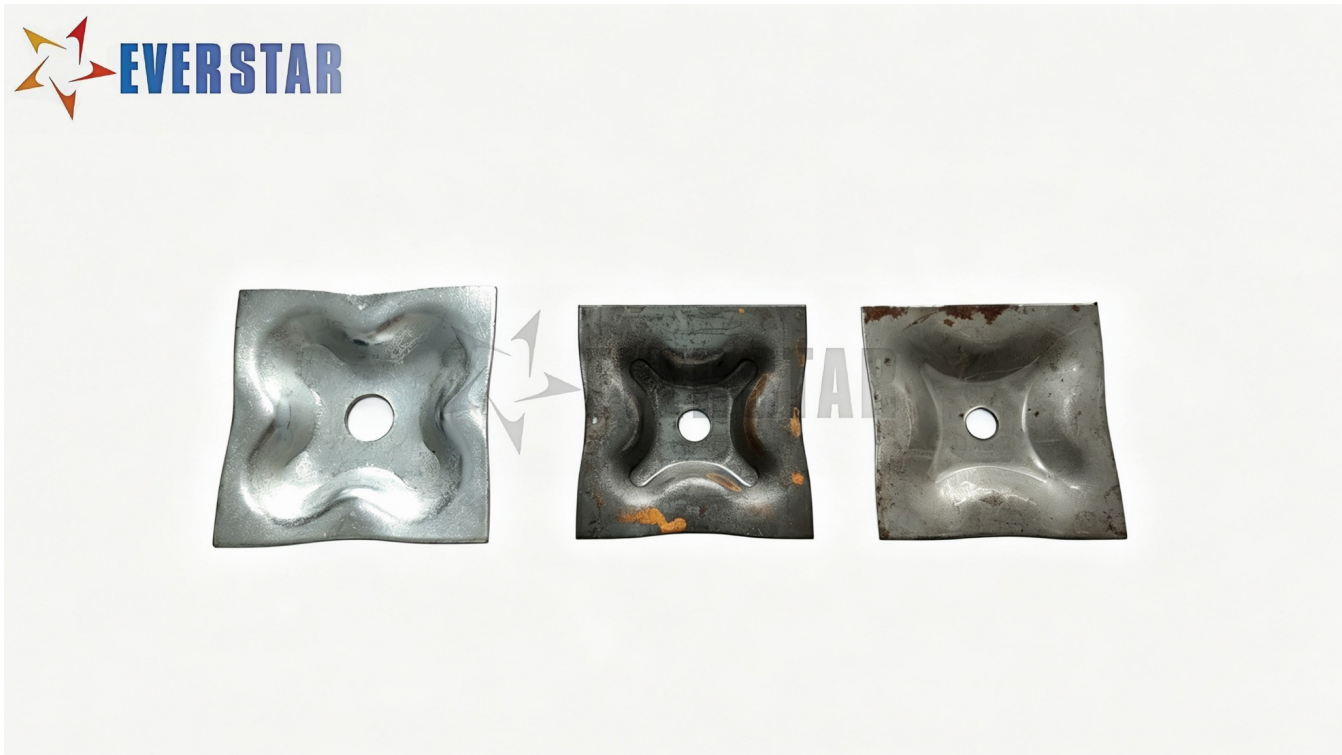
Quality Control Items

PRODUCT ITEM	DETAILS
Raw material	Material and steel-grade verification
Plate size	Length and width inspection
Thickness	Steel thickness inspection
Center hole	Diameter and position checks
Profile	Flatness or pressed-profile inspection
Edges / burrs	Edge and burr inspection
Surface	Appearance and coating condition
Zinc coating	Thickness test when required
Bending / load	According to order specification
Packing	Quantity, labels and protection

08 PRODUCT CATALOGUE

SURFACE, PACKING & OEM

Application-matched finishes and export protection



Surface & Design Options

01BLACK Standard untreated / black surface.	02ZINC-PLATED Clean zinc-coated appearance.	03HOT-DIP GALVANIZED Enhanced corrosion protection.
04PAINTED Color or project-specific finish.	05PLATE PROFILE Flat, pressed or reinforced.	06OEM MARKING Marks, labels and customer logo.

Export Packing

STEEL-STRAPPED BUNDLES Bundle quantity follows plate size and weight.	WOODEN CASES Reinforced cases available for protection.	PALLETIZED EXPORT Wrapping, labels, barcodes and marks can be customized.
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Lead time is confirmed according to quantity, plate thickness, surface treatment and customization requirements.

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APPLICATIONS & ORDER CONFIRMATION

Select the plate for the actual tie system and project

Application Areas

WALL FORMWORK	COLUMN FORMWORK	FOUNDATION FORMWORK
BRIDGE FORMWORK	TIMBER WALERS	STEEL WALERS
RESIDENTIAL	COMMERCIAL	INFRASTRUCTURE

Information Required for Quotation

PRODUCT ITEM	DETAILS
Plate size	Length and width
Thickness	Required steel thickness
Center hole	Diameter and hole profile
Material	Steel grade or standard
Surface	Black, zinc, hot-dip galvanized or painted
Tie system	Tie rod, nut, waler and required load
Quantity	Order quantity by size
Packing	Bundle, case, pallet, labels and marks

Important Technical Note

Load performance depends on plate size, steel grade, thickness, hole design, tie rod, nut and waler. Approve the complete system and project requirements before production and use.

CONTACT EVERSTAR

Factory-direct support for standard and customized waler plates



QUALITY CREATES LONG-TERM PARTNERSHIPS

WALER PLATE | STANDARD & CUSTOM SUPPLY

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ESTABLISHED

1999

FACTORY AREA

58,000 m²

PRODUCTION LINES

45

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CUSTOMIZED MANUFACTURING | QUALITY CONTROL | EXPORT SUPPORT