



# SEPA TIES & L-SHAPED ANCHOR BOLTS

CUSTOM STEEL ACCESSORIES FOR ALUMINUM FORMWORK



Drawing-controlled tie, anchoring and connecting components for compatible formwork systems.

## SEPA TIE

Straight tie or spacing member

## L ANCHOR BOLT

Bent steel anchoring or connection component

## CUSTOM SYSTEM FIT

Ends, threads, bends and lengths made to drawing

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# 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 cutting, straightening, end forming, punching, threading, controlled bending, inspection and export packing.

|                                                    |                                                            |
|----------------------------------------------------|------------------------------------------------------------|
| <b>58,000 M²</b><br>Manufacturing facility         | <b>45 LINES</b><br>Stable production scheduling            |
| <b>210 EMPLOYEES</b><br>Including 25 R&D personnel | <b>10 QC INSPECTORS</b><br>Dimensional and assembly checks |

## BUYER SUPPORT

OEM/ODM • drawing and sample development • matched nuts, washers and plates • mechanical testing • export packing

# PRODUCT RANGE

TWO DISTINCT FORMWORK FUNCTIONS



Actual EVERSTAR Sepa Tie, L-bolt and related anchoring components

| PRODUCT ITEM               | DETAILS                                                                             |
|----------------------------|-------------------------------------------------------------------------------------|
| Aluminum Formwork Sepa Tie | Straight steel member maintaining an approved connection or spacing relationship    |
| L-Shaped Anchor Bolt       | Round bar with a long leg and nominal 90-degree bent leg for anchorage or retention |
| Threaded L Bolt            | L-shaped bolt accepting a compatible nut and washer                                 |
| Plain-End L Anchor         | Formed bar used in a drawing-defined embedded or retained detail                    |
| Custom Anchor Bolt         | Project-specific diameter, bend, thread and connection configuration                |

**IMPORTANT** | Sepa Tie and L Bolt are related accessories but are not the same product. Use separate item codes and approved drawings.

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TECHNICAL SPECIFICATIONS

COMMON MARKET REFERENCES

| PRODUCT ITEM           | DETAILS                                                                         |
|------------------------|---------------------------------------------------------------------------------|
| Sepa Tie Structure     | Straight tie with system-specific ends and connection geometry                  |
| Sepa Tie Length        | Approx. 100–1200 mm; final overall/effective length by drawing                  |
| Sepa Tie Section       | Width, thickness or diameter according to design                                |
| Sepa Tie Ends          | Holes, slots, threads, flattened or formed ends                                 |
| L Bolt Structure       | Round steel bar with nominal 90-degree bend                                     |
| Common L Bolt Sizes    | Ø12 × 100 × 50 mm and Ø12 × 150 × 50 mm                                         |
| L Bolt Connection      | Threaded or plain end; nut and washer when applicable                           |
| Material               | Carbon steel or specified grade                                                 |
| Manufacturing          | Cutting, end preparation, punching/threading, bending, deburring and inspection |
| Surface                | According to approved sample or order specification                             |
| Mechanical Performance | According to approved design and EVERSTAR test report                           |
| Packaging              | Bundles, bags, wooden cases or export pallets                                   |
| Service                | OEM, ODM, drawing-based and sample-based production                             |

**MEASUREMENT NOTE** | Ø12 × 100 × 50 mm normally means diameter × long leg × bent leg, but reference points, radius and tolerances must be defined.

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# DIMENSION & CONNECTION CONFIRMATION

CONTROL THE COMPLETE ASSEMBLY



Sepa Tie length and end variants with threaded and round-hole connections

| SEPA TIE                                                                        | L BOLT                                                                | MATCHING HARDWARE                                          |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------|
| Overall/effective length, section, end style, hole/slot, thread and orientation | Diameter, long/bent legs, angle, inside radius, thread and projection | Nut, washer, plate, bracket, K-plate or customer accessory |

## DRAWING-CONTROLLED GEOMETRY

Neither product should be selected by nominal length alone. Confirm working reference points, embedment, projection, edge distance, end orientation and every mating component.

**BEST PRACTICE** | For first orders, approve a drawing and complete a trial assembly with actual panels, brackets, nuts, washers or plates.

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# INSTALLATION & APPLICATIONS

## SYSTEM-SPECIFIC CONNECTION PRINCIPLES



## SEPA TIE

Confirm item code and effective length; position at the designated panel connection; engage both ends with the specified pins, bolts, nuts or wedges; verify seating and form-face relationship before concrete placement.

## L-SHAPED ANCHOR BOLT

Confirm diameter, leg lengths, bend orientation and thread; place at the drawing-defined embedded, plate or bracket position; maintain required embedment and projection; fit the approved plate, washer and nut when applicable.

## APPLICATIONS

Wall and column formwork • K-plates and climbing continuation details • waler/bracket connections • base and edge anchoring • gang forms • custom embedded or removable anchor assemblies

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# MANUFACTURING & QUALITY CONTROL

STRAIGHTNESS, THREAD & BEND CONTROL

## PRODUCTION FLOW

|                                               |                                                |                                                         |                                                 |
|-----------------------------------------------|------------------------------------------------|---------------------------------------------------------|-------------------------------------------------|
| <b>1 MATERIAL</b><br>Steel-grade verification | <b>2 CUTTING</b><br>Length preparation         | <b>3 END WORK</b><br>Flattening, holes or slots         | <b>4 THREADING</b><br>When specified            |
| <b>5 BENDING</b><br>Controlled L geometry     | <b>6 DEBURRING</b><br>Edge and surface control | <b>7 INSPECTION</b><br>Dimensions, gauges and trial fit | <b>8 PACKING</b><br>Item-coded export packaging |

## INSPECTION CHECKPOINTS

|                                                                   |                                                                          |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>SEPA GEOMETRY</b><br>Overall/effective length and straightness | <b>END DETAILS</b><br>Profile, holes, slots and positions                |
| <b>THREADS</b><br>Size, pitch, class and engagement               | <b>L GEOMETRY</b><br>Leg dimensions, angle, radius and orientation       |
| <b>CONDITION</b><br>Cracks, burrs, deformation and surface        | <b>TESTING</b><br>Tensile, proof-load, bend or connection test as agreed |

**TESTING** | Acceptance criteria, fixture, sampling plan and test method must be agreed before production.

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# CUSTOMIZATION & ORDERING

OEM PRODUCTION TO DRAWING OR SAMPLE



|                                                        |                                                                       |                                                                  |
|--------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------|
| <b>SEPA TIE</b><br>Length, section and end connections | <b>L BOLT</b><br>Diameter, leg lengths, bend and orientation          | <b>THREADS</b><br>Diameter, pitch, class and length              |
| <b>HARDWARE</b><br>Nuts, washers, plates and brackets  | <b>MATERIAL &amp; FINISH</b><br>Specified grade and surface condition | <b>PACKING</b><br>Separate SKUs, kits, bundles, cases or pallets |

## QUOTE INFORMATION

Separate drawings/samples • product function • dimensions and measurement references • end/thread/bend details • mating hardware • performance/testing • quantity • packing • destination port

**COMPATIBILITY** | Do not substitute a visually similar tie or anchor without confirming the complete engineered connection.

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# FAQ & TECHNICAL NOTES

PRACTICAL ANSWERS FOR SOURCING

| PRODUCT ITEM                       | DETAILS                                                                          |
|------------------------------------|----------------------------------------------------------------------------------|
| Are Sepa Tie and L Bolt identical? | No. Sepa Tie is a tie/spacing member; L Bolt is an L-shaped anchoring component. |
| Recommended combined title?        | Sepa Ties and L-Shaped Anchor Bolts for Aluminum Formwork Systems.               |
| Common Sepa Tie lengths?           | Approximately 100–1200 mm; effective length must match the panel layout.         |
| Common L-bolt sizes?               | Ø12 × 100 × 50 mm and Ø12 × 150 × 50 mm are references only.                     |
| Custom sizes available?            | Yes. Lengths, ends, diameter, legs, bends and threads can be customized.         |
| Nuts and washers supplied?         | Yes, with confirmed thread standard, pitch, class and dimensions.                |
| Sample production?                 | Yes. A complete assembly sample is preferred for dimensional confirmation.       |
| Reusable?                          | Depends on the embedded/removable design; reusable parts require inspection.     |
| Test reports?                      | Material, dimensional and mechanical reports are available as specified.         |
| Quotation requirements?            | Separate drawings, material, geometry, hardware, testing, quantity and packing.  |

**SAFETY** | A qualified designer must determine spacing, anchorage, embedment, edge distance, working load, concrete rate, panel capacity and bracing.



# SEPA TIES & L-SHAPED ANCHOR BOLTS

CUSTOM FORMWORK CONNECTION SOLUTIONS



## SEND US YOUR DRAWING OR SAMPLE

We will confirm each item separately, including effective dimensions, end geometry, bends, threads, mating hardware, testing and packing.

| PRODUCT ITEM | DETAILS                                                                          |
|--------------|----------------------------------------------------------------------------------|
| COMPANY      | SHIJIAZHUANG EVERSTAR HARDWARE MACHINERY CO., LTD.                               |
| ADDRESS      | Qiji Town Industrial Zone, Wuji County, Shijiazhuang City, Hebei Province, China |
| CONTACT      | Phone / WhatsApp: +86 199 3304 4444   Email: Lewis@everstarsteelproducts.com     |