



ALUMINUM FORMWORK WEDGE PIN

SLOTTED STEEL FORM PIN FOR PIN-AND-WEDGE CONNECTIONS



Stub, short, standard and long pins for compatible aluminum-formwork panel assemblies.

ROUND PIN BODY

Smooth insertion through aligned connection holes

SLOTTED END

Controlled fit for straight or curved wedges

MULTIPLE LENGTHS

Matched to the assembled component thickness

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ABOUT EVERSTAR

MANUFACTURING CAPABILITY & EXPORT SUPPORT



MANUFACTURING SINCE 1999

SHIJIAZHUANG EVERSTAR HARDWARE MACHINERY CO., LTD. manufactures construction hardware, wire products and formwork accessories for international buyers. Our 58,000 m² facility integrates steel preparation, forming, slot production, heat-treatment coordination, inspection and export packing.

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

BUYER SUPPORT

Drawing and sample development • matched wedge supply • trial assembly • mechanical-testing support • custom export packing

PRODUCT OVERVIEW

ROUND SLOTTED PIN FOR ALUMINUM FORMWORK



Actual EVERSTAR wedge-pin family showing different lengths and surface conditions

FAST REMOVABLE PANEL CONNECTION

The cylindrical body passes through aligned holes in panels, ties or accessories. A separate straight or curved wedge is driven through the elongated slot near the tapered end, while the round retaining head bears against the outer component.

RETAINING HEAD Stops the pin and provides a stable bearing face	TAPERED END Guides insertion through aligned holes	ELONGATED SLOT Receives the matching wedge and controls locking travel
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IMPORTANT | Pin diameter, effective grip, slot geometry and wedge dimensions must be confirmed as one complete connection set.

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TECHNICAL SPECIFICATIONS

COMMON MARKET REFERENCES

PRODUCT ITEM	DETAILS
Product Name	Construction Formwork Wedge Pin
Alternative Names	Round Form Pin, Slotted Formwork Pin, Stub Pin, Short Pin, Long Pin
Material	Carbon steel or specified alloy steel
Structure	Round pin with retaining head, tapered end and elongated slot
Body Options	Solid, semi-hollow or specified tubular construction
Common Diameter	Approximately 16 mm; system-specific
Common Lengths	50, 52, 55, 65, 135 and 195 mm
Matching Component	Straight wedge or curved wedge
Manufacturing	Cutting, forming/machining, slot forming, deburring and inspection
Heat Treatment	According to confirmed material and hardness requirements
Surface	According to approved sample or order specification
Mechanical Performance	According to confirmed specification and EVERSTAR test report
Reusability	Reusable when correctly installed, inspected and maintained

SPECIFICATION CONTROL | Lengths and diameter are reference values only. Final geometry must match the actual assembly.

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PIN TYPES & DIMENSION CONFIRMATION

SELECT THE CORRECT EFFECTIVE GRIP



Long and short pin variants with clearly visible retaining heads and wedge slots

PRODUCT ITEM	DETAILS
Stub Pin	Direct connection of adjoining panel rails; commonly 50–55 mm
Short Pin	Panel joints with short grip requirement; commonly 52–65 mm
Standard Pin	General panel, tie or accessory connections; system-specific
Long Pin	Thicker multi-component joints; commonly 135–195 mm
Dimensions to Confirm	Diameter, overall length, effective grip, head diameter/thickness, slot length/width/position, taper and end profile

BEST PRACTICE | Provide the panel rail, tie or accessory and matching wedge—or a complete approved drawing—before production.

INSTALLATION & APPLICATIONS

PIN-AND-WEDGE LOCKING SEQUENCE



TYPICAL INSTALLATION

1 ALIGN Position panels and align all connection holes	2 SELECT Choose pin length for the assembled thickness
3 INSERT Pass the tapered end through aligned holes	4 WEDGE Insert the matching wedge through the slot
5 LOCK Drive the wedge until securely seated	6 INSPECT Check every joint before concrete placement

APPLICATIONS

Wall and column panels • beam and slab joints • corner assemblies • deck, soffit and stair formwork • flat-tie connections • waler brackets and compatible accessories

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MANUFACTURING & QUALITY CONTROL

CONSISTENT HEAD, BODY, SLOT & TAPER

PRODUCTION FLOW

1 MATERIAL Steel-grade verification	2 CUTTING Blank preparation	3 FORMING Head and body production	4 SLOTTING Controlled slot geometry
5 DEBURRING Edge and surface control	6 TREATMENT Agreed heat/surface process	7 INSPECTION Dimensions and trial fit	8 PACKING Counted export packaging

INSPECTION CHECKPOINTS

BODY Diameter, length and straightness	HEAD Diameter, thickness and profile
SLOT Length, width, position and edge quality	TAPER Length and insertion profile
PERFORMANCE Hardness, shear/bending or proof load as agreed	ASSEMBLY Trial fit with wedge and customer components

TESTING | Reported performance applies only to the exact confirmed material, geometry, hardness, fixture and test method.

CUSTOMIZATION & ORDERING

OEM PRODUCTION TO DRAWING OR SAMPLE



TYPE & LENGTH Stub, short, standard and long versions	BODY Diameter, solid, semi-hollow or tubular	HEAD Diameter, thickness and profile
SLOT & TAPER Length, width, position and end geometry	MATERIAL Steel grade, hardness and heat treatment	PACKING Bags, cartons, pails, cases and pallets

QUOTE INFORMATION

Pin type • diameter • overall and effective grip length • head dimensions • slot dimensions/position • body construction • material/hardness • matching wedge • quantity • packaging • destination port

COMPATIBILITY | Approve a trial assembly with the actual panel hole, component stack and wedge before mass use.

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FAQ & TECHNICAL NOTES

PRACTICAL ANSWERS FOR SOURCING

PRODUCT ITEM	DETAILS
What is a wedge pin?	A round slotted steel pin used with a separate wedge to lock formwork components.
Is the wedge included?	Pins and wedges may be supplied separately or as a matched set.
Stub pin vs long pin?	Stub pins suit thin joints; long pins provide grip for thicker multi-component joints.
Common sizes?	50–195 mm length references and approximately 16 mm diameter; final sizes are system-specific.
Wedge pin vs wedge bolt?	This product is a round slotted pin; a flat tapered wedge bolt has a different structure.
Straight or curved wedges?	Both can be supplied when matched to the confirmed slot and assembly.
Can pins be reused?	Yes, after inspection confirms no bending, cracks, slot damage or excessive wear.
Can you copy our sample?	Yes. Sample-based production and approval drawings are available.
Can reports be supplied?	Yes, for agreed materials, hardness and mechanical test methods.
Quotation requirements?	Type, dimensions, body, material, wedge, quantity, packing and destination port.

SAFETY | Remove bent, cracked, excessively worn or deformed pins and wedges from service. Qualified personnel must approve the complete formwork design.



ALUMINUM FORMWORK WEDGE PIN

CUSTOM PIN-AND-WEDGE CONNECTIONS



SEND US YOUR DRAWING OR SAMPLE

We will confirm pin type, grip length, slot and wedge compatibility, material, testing, packing and sample approval before mass production.

PRODUCT ITEM	DETAILS
COMPANY	SHIJIAZHUANG EVERSTAR HARDWARE MACHINERY CO., LTD.
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