

TIANHUI MACHINE

Casting | Forging | CNC Machining | Inspection

Link Housings

P076 - Heavy Cast Structural Brackets
and Retainer Plates

P081 - Cast Structural Frames and Sup
port Brackets

P082 - Heavy Cast Mounting B
rackets and Rings

Components

P130 - Forged Hooks and Latch Arms

P146 - Forged Long Control Arms

P156 - Heavy Duty Shackles

PRODUCT CAPABILITY PDF

Construction Equipment Parts

Heavy-duty structural brackets, hooks, frames and machined support components.

Drawing-Based

OEM Production

Casting + CNC

Coordinated Process

Inspection

Project Specific

thcastings.com

Manufacturing Review

01 / COMPONENT SCOPE

What We Manufacture for Construction Equipment Parts

Drawing-based metal parts for construction, lifting and heavy equipment applications.

01

Heavy structural brackets

02

Mounting brackets and frames

03

Heavy-duty hooks and latch arms

04

Structural link housings

05

U-bolts and fasteners

06

Shackles

07

Heavy duty control arms

08

Welded or cast support parts

Important note

Most components are produced according to customer drawings, samples or existing parts. Material, tolerance, surface treatment and inspection scope should be confirmed during the manufacturing review instead of assumed from a product image.

02 / MANUFACTURING ROUTES

Choose the route around geometry, material and volume

The same product category can include casting, forging, CNC machining or a combined process. The final route should follow the part drawing and production requirements.

01

Forging

Forging for load-bearing hooks, shackles and arms

02

Casting

Casting for heavy housings and structural forms

03

CNC machining

CNC machining for pin holes, bores and mounting faces

04

Welding and fabrication

Welding and fabrication where assembly structures require it

PROCESS SELECTION

The drawing decides the process.

Before quotation, Tianhui reviews part geometry, alloy, annual volume, tolerance, surface condition, machining allowance and inspection requirements to decide the practical manufacturing route.

03 / PRODUCT EXAMPLES

Representative Components from the Image Library

These examples are grouped from the current product photo library. Exact material and final application should be verified against customer drawings or samples.



P081

Structural Frames and Supports

Custom structural frames and supports featuring open-frame cast brackets with long spans, multiple mounting bosses and reinforced...

Confidence: High



P156

Shackles

Custom shackles featuring u-shaped forged shackles with eye ends for heavy pin connections. The likely manufacturing route is forging + cn...

Confidence: High



P028

Structural Link Housings

Custom structural link housings featuring heavy rectangular cast bodies with large connection bores and reinforced ribs. The likely...

Confidence: Medium



P076

Heavy Structural Brackets

Custom heavy structural brackets featuring thick dark cast brackets, retainers and circular plates designed for heavy mounting. The likely...

Confidence: Medium



P082

Heavy Mounting Brackets

Custom heavy mounting brackets featuring dark robust cast brackets, support bases and thick circular rings. The likely manufacturing route is...

Confidence: Medium



P108

U-Bolts

Custom u-bolts featuring u-shaped forged/bent rods with eye or flat attachment ends. The likely manufacturing route is hot...

Confidence: Medium

04 / QUALITY & CUSTOMIZATION

From image review to controlled production

Production is organized around approved drawings, technical requirements and inspection expectations.

01

Pin-hole and mounting interface verification

02

Surface and visual checks on heavy components

03

Material or hardness checks when required

04

Welding or fabrication review when applicable

RFQ INFORMATION

What to send for a useful quotation

- 2D drawing, 3D model, sample or clear product photos
- Material grade or preferred alloy
- Estimated quantity and annual demand
- Critical dimensions, tolerances or assembly interfaces
- Surface finish, coating or heat-treatment requirements
- Inspection documents, testing or traceability requirements

05 / PROJECT PROOF

Related manufacturing experience

Related project direction: welded closing lock and forged cam projects show process-control thinking for components where geometry, strength and inspection matter.

Additional example parts



Structural Frames and Supports



Shackles



Structural Link Housings



Heavy Structural Brackets



Heavy Mounting Brackets



U-Bolts

NEXT STEP

Send your drawing for manufacturing review

Email: seo@cn-tianhui.com | Website: www.thcastings.com