



KAZENCO

ENGINEERING CONSTRUCTION
MATERIALS & TRADE COMPANY

ENGINEERED FOR STRENGTH DELIVERED WITH TRUST

Kazenco delivers high-quality industrial products and tailored solutions for the Oil & Gas, Petrochemical, Power Generation and Heavy Engineering sectors worldwide.



ENGINEERED FASTENING & STEEL COMPONENTS

ANCHOR BOLTS • ANCHOR CAGES • STUD BOLTS

BASE PLATES • EMBEDDED PLATES • SPECIAL FASTENERS

Project-specific manufacturing, inspection and documentation support



www.kazenco.com

A PARTNER YOU CAN BUILD ON

Since 2004, KAZENCO has been supporting industrial and infrastructure projects with project-specific products, technical expertise and coordinated supply solutions.



ENGINEERING

Project-focused technical solutions



PROCUREMENT

Qualified manufacturing and supply network



PROJECT SUPPORT

Coordination from enquiry to delivery



DOCUMENTATION

Quality, traceability and compliance



ONE PARTNER. PROJECT-SPECIFIC SOLUTIONS.

From engineered fastening systems and steel components to piping, valves, instrumentation and industrial products, each requirement is reviewed against the applicable drawings, specifications, standards, service conditions, documentation and delivery requirements.



ENGINEERING

Technical Review

PRODUCTS

Project-Specific Supply

COMPLIANCE

Standards &
Documentation

DELIVERY

Packing & Logistics

QUALITY, TRACEABILITY & DOCUMENTATION

Quality requirements are managed according to the applicable material specification, approved project requirements and purchase-order documentation.

QUALITY & TRACEABILITY

- ✓ Dimensional Inspection
- ✓ Thread Gauging
- ✓ Mechanical Testing
- ✓ Heat No. / Lot No. Traceability

CERTIFICATION & RECORDS

- ✓ EN 10204 3.1 Inspection Certificate
- ✓ Material Test Certificate (MTC)
- ✓ Certificate of Conformity
- ✓ Inspection & Test Reports
- ✓ Coating / Galvanizing Reports



INTERNATIONAL
STANDARDS

COMPLETE
TRACEABILITY

THIRD-PARTY
INSPECTION SUPPORT

DOCUMENTED
DELIVERY

PRODUCT RANGE

Kazenco offers a comprehensive range of engineered industrial products designed to meet the most demanding project requirements across global industries.



ANCHOR BOLTS

High-strength anchor bolts for secure foundation and structural connections.



BASE PLATES

Precision-manufactured base plates for structural and equipment support applications.



EMBEDDED PLATES

Embedded plates for concrete structures ensuring reliable and long-lasting connections.



SHEAR STUDS

Shear studs for composite structures ensuring optimal load transfer.



PIPING, FITTINGS & FLANGES

Wide range of piping components, fittings and flanges for all process applications.

ANCHOR BOLTS

TECHNICAL OVERVIEW

Kazenco anchor bolts are engineered for superior strength, durability and performance in the most demanding industrial applications.



HIGH STRENGTH

Superior load bearing capacity



RELIABLE

Engineered for long-term reliability



CUSTOMIZABLE

Wide range of sizes and configurations



QUALITY ASSURED

Manufactured and tested to standards

GENERAL SPECIFICATIONS

Diameter Range	M10 - M130
Material	Carbon Steel: ASTM F1554 anchor-bolt grades Stainless Steel: ISO 3506-1 / project specification and approved drawing
Standards	Anchor Bolts: ASTM F1554 Grade 36 / 55 / 105 Stud Bolts: ASTM A193 B7 / B7M - ASTM A320 L7 / L7M Metric Fasteners: ISO 898-1 Stainless Steel Fasteners: ISO 3506-1
Thread	Metric (ISO) - Coarse / Fine UNC / UNF (upon request)
Length	Up to 6000 mm (custom lengths available)
Application	Oil & Gas, Petrochemical, Power Generation, Steel Structures, Heavy Engineering

AVAILABLE FINISHES

- ✓ Black / Plain
- ✓ Hot Dip Galvanized (HDG)
- ✓ Zinc Flake Coated
- ✓ Epoxy Coated (upon request)



CUSTOM DESIGNS & SPECIAL CONFIGURATIONS AVAILABLE

We manufacture anchor bolts as per customer drawings and project requirements.

ANCHOR CAGE

COMPLETE SYSTEM COMPONENTS & CONTROL INFORMATION

Kazenco provides complete anchor bolt cage systems with all necessary components and project-specific control.



1. COMPLETE SYSTEM COMPONENTS



Anchor Plates

Top and base anchor plates manufactured as per project requirements.



Template Plates

Steel template plates for accurate installation and alignment.



Positioning Components

Guide frames, spacers and supports for precise positioning.



Anchor Bolts

High-strength anchor bolts in various configurations.



Washers & Nuts

Heavy-duty nuts and washers to match project specifications.



Sleeves & Pipes

Protection sleeves and pipes for embedded items.



Spacers & Chairs

Reinforcement chairs and spacers for proper concrete cover.



Weld Accessories

Welding studs, consumables and accessory items.



Lifting & Handling

Lifting inserts and handling devices for safe installation.

2. PROJECT-SPECIFIC CONTROL



VERIFICATION

Dimensional verification of all components.



ALIGNMENT CONTROL

Template alignment and installation accuracy.



WELD INSPECTION

Weld quality inspection as per specification.



DOCUMENTATION

Photographic records and inspection reports.



TRACEABILITY

Complete traceability of materials and components.



All anchor cage components are manufactured and assembled as a complete, project-specific system — dimensions, configurations and material grades are defined by the approved drawing and specification.

STUD BOLTS

PRODUCT TYPES & APPLICATIONS

Kazenco offers a complete range of stud bolts in different types to suit various industrial applications.



1. PRODUCT TYPES

Full Thread Studs

..... Fully threaded studs along the entire length.

Double End Studs

..... Threaded on both ends for nut fastening.

Tap End Studs

..... One end threaded, one end plain.

Threaded Rods

..... Fully threaded rods in various lengths.

Headed Studs



Studs with welded heads for easy installation.

Custom Studs



Special designs as per customer drawings.

2. APPLICATIONS



Petrochemical Plants

Equipment end structural anchoring.



Power Generation

Turbines, boilers and support structures.



Steel Structures

Column bases, connections and frameworks.



Concrete Foundations

Embedded anchorage and holding down.



Infrastructure

Bridges, tunnels and heavy civil works.

M10-M130

DIAMETER RANGE

6

PRODUCT TYPES

5

INDUSTRY SEGMENTS

STUD BOLT

GRADE / THREAD TABLE

Kazenco stud bolts are manufactured in various material grades and thread types as per international standards and project requirements.



1. STUD BOLT GRADE / THREAD

SPECIFICATION / SYSTEM	MATERIAL GRADE	THREAD TYPE	CONFIGURATIONS
ASTM A193 / A193M	B7 · B7M · B16	Metric ISO · UNC · UNF	Full Thread, Double End, Tap End, Threaded Rods
ASTM A193 / A193M	B8 · B8M	Metric ISO · UNC · UNF	Full Thread, Double End, Tap End, Threaded Rods
ASTM A320 / A320M	L7 · L7M	Metric ISO · UNC · UNF	Full Thread, Double End, Tap End, Threaded Rods
Metric	8.8 · 10.9 · 12.9 - ISO 898-1	Metric ISO	Full Thread, Double End, Threaded Rods
Inch - ASME B1.1	UNC · UNF · 8UN	UNC · UNF · 8UN	Full Thread, Double End, Threaded Rods

2. SPECIAL CONFIGURATIONS

 Full Thread Threaded along entire length.	 Double End Threaded on both ends.	 Tap End One end threaded, one end plain.	 Threaded Rods Continuous threaded rods.
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EN / ISO carbon, alloy and stainless fasteners are supplied by property class (8.8 · 10.9 · 12.9) and ISO 3506 series — see the Fastener Materials & Grades page for full detail.

NUTS, WASHERS & INDUSTRIAL BOLTS

High-quality nuts and washers manufactured as per international standards for reliable and secure bolted connections.



1. ASTM A194 NUTS

GRADE	STANDARD	TYPE	MATERIAL	APPLICATION
2H	ASTM A194	Hex Nut	Carbon Steel, Hardened	High pressure applications
2HM	ASTM A194	Heavy Hex Nut	Carbon Steel, Hardened	Heavy duty applications
7	ASTM A194	Hex Nut	Alloy Steel	High temperature applications
7M	ASTM A194	Heavy Hex Nut	Alloy Steel	Sour service / NACE MR0175 applications (matched with B7M studs)
8	ASTM A194	Hex Nut	Stainless Steel	Corrosion resistant applications
8M	ASTM A194	Heavy Hex Nut	Stainless Steel	Corrosion resistant applications

2. ASTM F436 WASHERS

WASHER TYPE	STANDARD	TYPE	MATERIAL	APPLICATION
F436 Type 1	ASTM F436	Flat Washer	Hardened Steel	General bolting applications
F436 Type 3	ASTM F436	Weathering Steel Washer	Weathering Steel (Atmospheric Corrosion Resistant)	For use with Type 3 weathering bolts (ASTM F3125 Grade A325 Type 3 / Grade A490 Type 3)



All nuts and washers are matched to the corresponding stud bolt / anchor bolt grade and thread system, and supplied with full material traceability and test certification.

SPECIAL FASTENER CAPABILITIES

Beyond standard products, Kazenco supports special and project-specific fastener requirements.



1. CAPABILITIES



Non-Standard Dimensions

Custom lengths, diameters and thread configurations.



Drawing-Based Manufacturing

Production strictly to customer drawings.



Special Materials

Duplex, super-duplex and exotic alloys upon request.



Short Lead Time Options

Expedited manufacturing for urgent project needs.



Batch & Kit Supply

Fasteners packed and labelled per assembly / area.



Full Traceability

Heat number and lot number traceability on request.



Project-Specific Coatings

Coating systems matched to service environment.



Global Project Supply

Coordinated supply for multi-site / multi-country projects.

2. PROJECT PARAMETERS



Size & Length



Material Grade



Thread Type



Coating / Finish



Quantity



Testing & Certification

DRAWING-BASED SUPPLY

Send your technical drawing or specification — Kazenco reviews and confirms feasibility, then manufactures accordingly.



Special fastener requests are reviewed on a project-by-project basis - provide the parameters above for the fastest and most accurate quotation.

THREADING STANDARDS & QUALITY CONTROL

All threading operations and quality control processes are carried out in accordance with international standards to ensure complete reliability and traceability.



1. THREADING STANDARDS

THREAD TYPE	STANDARD	DESCRIPTION
Metric ISO	ISO 261	Metric screw threads — General purpose
Metric ISO (Fine)	ISO 965	Metric screw threads — Tolerances
UNC	ASME B1.1	Unified Coarse Thread
UNF	ASME B1.1	Unified Fine Thread
8UN	ASME B1.1	8-thread series
BSP	BS 21 / ISO 228 (BSPP) / ISO 7 (BSPT)	British Standard Pipe Thread
NPT	ASME B1.20.1	National Pipe Thread Tapered

2. QUALITY CONTROL & TRACEABILITY

	Thread Gauging	All threads are checked using GO / NO-GO gauges as per relevant standards.
	Dimensional Inspection	Critical dimensions are inspected using calibrated instruments and measuring tools.
	Thread Pitch Verification	Thread pitch and profile are verified to ensure complete conformity.
	Material Traceability	Full material traceability maintained from raw material to final product.
	Inspection Reports	Inspection & test reports are maintained and supplied with every shipment.
	Third-Party Inspection	Third-party inspection and witnessing can be arranged as per project requirements.

BASE PLATES

& ENGINEERED STEEL COMPONENTS

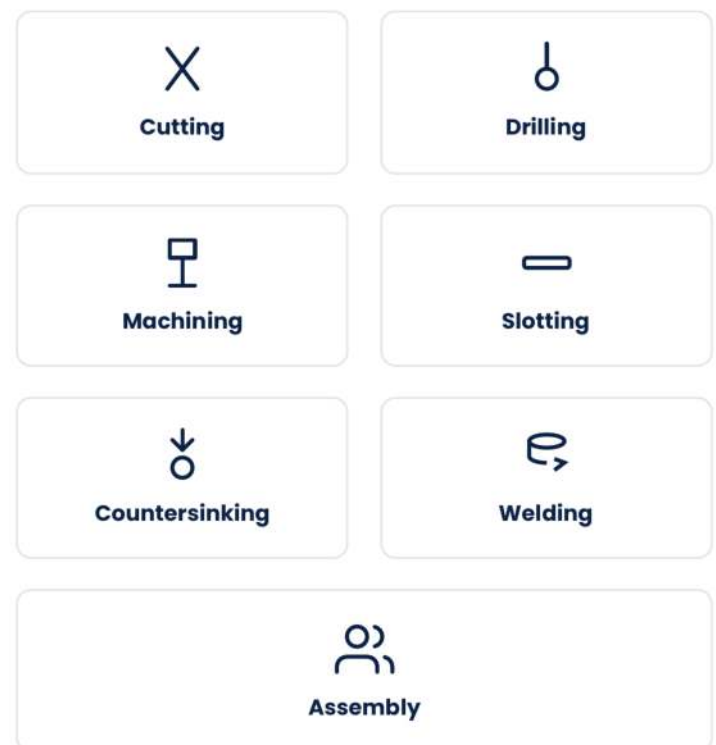
Project-specific steel plates and fabricated components are manufactured according to approved drawings, material specifications and dimensional requirements.



1. PRODUCT TYPES

- ✓ Base Plates
- ✓ Studded Plates
- ✓ Embedded Plates
- ✓ Drilled & Machined Plates
- ✓ Anchor Plates
- ✓ Fabricated Steel Components
- ✓ Template Plates
- ✓ Drawing-Based Components

2. PROCESSING OPTIONS



3. DIMENSIONAL CAPABILITY

Plate Dimensions (L × W)

Project-specific, per approved drawing.

Plate Thickness (t)

Project-specific, per approved drawing.

Hole Diameter (Ø)

Project-specific, per approved drawing.

Hole Pattern (X × Y)

Project-specific, per approved drawing.

STRUCTURAL STEEL

MATERIALS & GRADES

Kazenco supplies structural steel sections and plates in a wide range of international grades for construction and heavy engineering projects.



1. EN 10025-2 STRUCTURAL STEELS

EN 10025-2

S235JR	S235J0	S235J2	
S275JR	S275J0	S275J2	
S355JR	S355J0	S355J2	S355K2

2. ASTM STRUCTURAL STEELS

ASTM A36 / A36M

General purpose carbon structural steel

ASTM A572 / A572M

Gr. 42 Gr. 50 Gr. 55 Gr. 60 Gr. 65

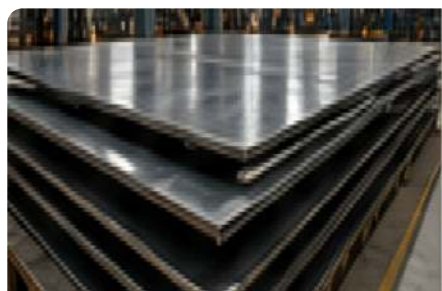
3. OTHER MATERIAL OPTIONS

- ✓ **Stainless Steel**
EN 10088-2 / ASTM A240
- ✓ **Fine-Grain Structural Steels**
EN 10025-4 (M / ML)
- ✓ **Weathering Steel**
EN 10025-5 (S355J0WP / S355J2WP) / ASTM A588
- ✓ **Low-Temperature Structural Grades**
EN 10025-3 / ASTM A633
- ✓ **Project-Specified Materials**
Per approved drawing and project specification

TYPICAL MECHANICAL PROPERTIES

GRADE	YIELD MPa	TENSILE MPa	ELONG. %
S235JR	235	360-510	26
S275JR	275	410-560	23
S355JR	355	470-630	22

Reference values for nominal thickness ≤16 mm.
 Mechanical properties and elongation requirements may vary
 by product thickness and test conditions; verify against
 EN 10025-2 and the approved project specification.



MANUFACTURING CAPABILITIES

Project-specific manufacturing from drawing to finished component — every anchor bolt configuration is engineered, produced and inspected to the approved project specification.

1. ANCHOR BOLT DIAMETER RANGE

M10 - M130

M10-M39: standard metric thread sizes in accordance with ISO 261 / ISO 965.
 M42-M130: project-specific diameters manufactured to the approved drawing and specification. Mechanical properties are defined by the applicable material and fastener standard.

2. THREAD SYSTEMS



Metric ISO

ISO 261 / ISO 965



UNC

ASME B1.1



UNF

ASME B1.1



8UN

ASME B1.1 - 8-thread series

3. CONFIGURATIONS



Straight



L-Type



J-Type



Bent



Headed



Plate
Anchored



Drawing-
Based

4. MANUFACTURING OPERATIONS



Threading



Cutting



Bending



Machining



Drilling



Welding



Assembly

5. PROJECT CONFIGURATION

- ✓ **Material Selection**
- ✓ **Dimensional Requirements**
- ✓ **Surface Protection**
- ✓ **Testing Requirements**
- ✓ **Documentation Requirements**
- ✓ **Packing & Identification**

PIPES & TUBES

FOR PROCESS, ENERGY & INDUSTRIAL APPLICATIONS



1. Seamless Carbon Steel Pipe



ASTM A106 / A106M

Grade **B** · Grade **C**

ASME B36.10M

2. Stainless Steel Pipe



ASTM A312 / A312M

TP304 · TP304L · TP316 · TP316L

ASME B36.19M

3. Alloy Steel Pipe



ASTM A335 / A335M

P11 · P22 · P91

ASME B36.10M

4. ADDITIONAL SUPPLY



Project-Specified Pipe
Materials



Special Schedules & Wall
Thicknesses



Cut-to-Length Requirements



Project-Specific
Documentation

PIPE RFQ & PROJECT PARAMETERS

FOR ACCURATE QUOTATION



Dimensions

- ✓ NPS / DN
- ✓ Outside Diameter
- ✓ Wall Thickness / Schedule
- ✓ Length
- ✓ Quantity



Material

- ✓ Material Specification
- ✓ Grade
- ✓ Seamless / Welded
- ✓ Heat Treatment, where specified



Service Conditions

- ✓ Design Temperature
- ✓ Design Pressure
- ✓ Corrosion Requirements
- ✓ Special Service Requirements



Testing & Inspection

- ✓ Mechanical Testing, where required
- ✓ NDT, where specified
- ✓ PMI, where specified
- ✓ Third-Party Inspection, where required



Documentation

- ✓ EN 10204 3.1, where required
- ✓ MTC / Inspection Records
- ✓ Project Specifications
- ✓ Vendor / Documentation Requirements



Finish & Delivery

- ✓ Surface Condition / Coating
- ✓ End Preparation
- ✓ Marking
- ✓ Packing
- ✓ Delivery Requirements

FOR A FAST AND ACCURATE QUOTATION

Please provide the information above for the fastest and most accurate quotation.

FITTINGS & FLANGES

MATERIALS, GRADES & APPLICABLE STANDARDS

Butt-weld fittings, forged fittings and flanges are supplied to the material specifications and dimensional standards required by the project.



1. MATERIALS & APPLICABLE STANDARDS

Butt-Weld Fittings	Forged Fittings	Flanges
ASTM A234 / A234M -WPB ASTM A420 / A420M -WPL6 ASTM A403 / A403M — WP304 · WP304L · WP316 · WP316L ASME B16.9	ASTM A105 / A105M ASTM A350 / A350M -LF2 ASTM A182 / A182M — F304 · F304L · F316 · F316L ASME B16.11	ASTM A105 / A105M ASTM A350 / A350M -LF2 ASTM A182 / A182M — F304 · F304L · F316 · F316L ASME B16.5 · ASME B16.47 — where specified

2. PRODUCT TYPES

 Elbows	 Tees	 Reducers	 Caps	 Stub Ends	 Weld Neck
 Slip-On	 Blind	 Socket Weld	 Threaded	 Lap Joint	

VALVES & INSTRUMENTATION

PROJECT-SPECIFIC SUPPLY FOR PROCESS & INDUSTRIAL SYSTEMS

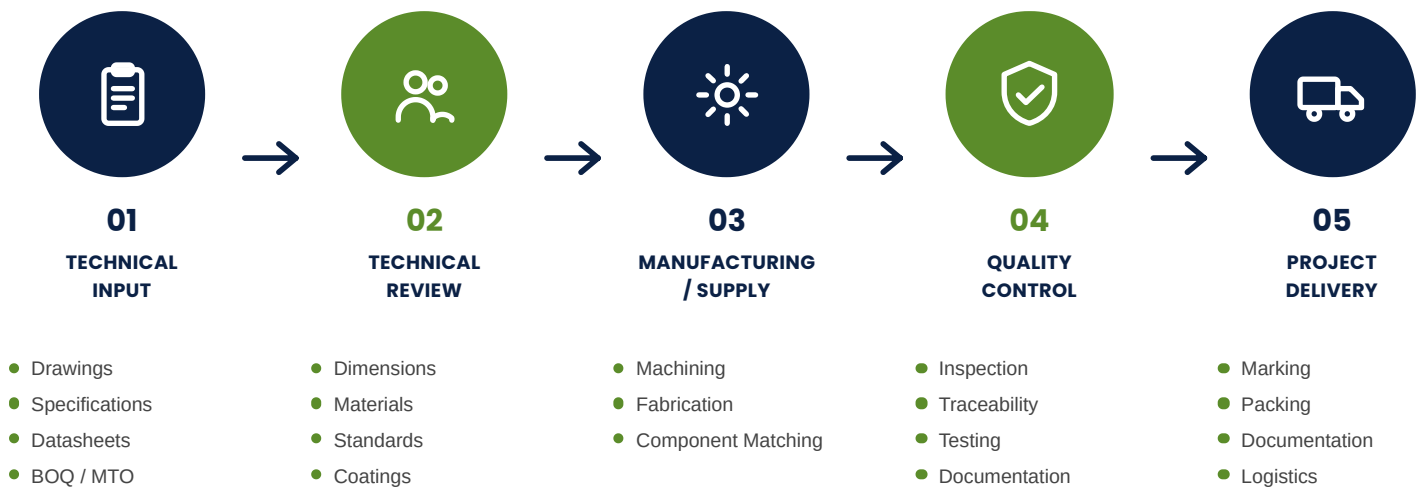


VALVE TYPES	MATERIAL OPTIONS	COMMON FORGED MATERIAL SPECS	INSTRUMENTATION	PROJECT PARAMETERS
✓ Gate Valves ✓ Globe Valves ✓ Check Valves ✓ Ball Valves ✓ Butterfly Valves ✓ Control Valves ✓ Project-Specific Valves	✓ Carbon Steel ✓ Low-Temperature Carbon Steel ✓ Stainless Steel ✓ Alloy Steel ✓ Project-Specified Materials	✓ ASTM A105 / A105M ✓ ASTM A350 / A350M ✓ ASTM A182 / A182M DESIGN STANDARD ☐ ASME B16.34 — where applicable	✚ Instrumentation Valves ∞ Manifolds ~ Tube Fittings ✓ Pressure Accessories ☐ Pneumatic Components ☐ Project-Specified Instrumentation	✓ Valve / Instrument Type ✓ Size & Rating ✓ Connection Type ✓ Body / Trim Material ✓ Pressure / Temperature ✓ Process Medium ✓ Actuation ✓ Testing & Certification ✓ Quantity



FROM YOUR DRAWING TO OUR SOLUTION

From a technical drawing, specification or project requirement, KAZENCO coordinates the complete process from technical review through manufacturing, inspection, documentation and delivery.



FASTENER MATERIALS

& GRADES



Anchor Bolts

- ASTM F1554
- Gr. 36 · 55 · 105



Alloy Steel Bolting

- ASTM A193 / A193M
- B7 · B7M · B16



Low-Temperature Bolting

- ASTM A320 / A320M
- L7 · L7M



Stainless Steel Bolting

- ASTM A193 / A193M
- B8 · B8M



Nuts

- ASTM A194 / A194M
- 2H · 2HM · 7 · 7M · 8 · 8M



Hardened Washers

- ASTM F436 / F436M
- Type 1 · Type 3



EN / ISO Carbon & Alloy Fasteners

- Property Classes 8.8 · 10.9 · 12.9

According to applicable EN / ISO standards and dimensional scope.



EN / ISO Stainless Fasteners

- ISO 3506 Series — where applicable



Applicable dimensional ranges are governed by the relevant material and product specification.

COATINGS & SURFACE PROTECTION

Reference swatches below show the typical visual appearance of each finish as a practical guide — final coating identification always follows the specified standard.



1. COATING SYSTEMS & APPLICABLE STANDARDS



Hot-Dip Galvanized

- ASTM F2329 / F2329M — Fasteners
- ASTM A123 / A123M / ISO 1461 — Fabricated Steel



Electroplated Zinc / Zinc Alloy

- ASTM F1941 / F1941M
- ISO 4042



Zinc Flake

- ASTM F3393
- ISO 10683



PTFE / Fluoropolymer

- Project-Specific Coating Systems



Plain / Black Finish

- According to material and project requirements



Nickel / Special Coatings

- According to project specifications



- ✓ Coating suitability, preparation, thickness and performance requirements are determined according to the applicable coating system, material grade and project specification.

INSPECTION, TESTING & DOCUMENTATION

Kazenco supports every order with rigorous inspection, mechanical testing and complete documentation, ensuring full traceability from material to delivery.

1. QUALITY CONTROL & TESTING

Quality Control	Mechanical & Material Testing	Additional Inspection – When Specified	Project QA	CERTIFICATION & RECORDS
Dimensional Inspection Thread Gauging Visual Inspection Material Identification Coating / Surface Inspection Marking & Traceability Verification	Tensile Testing Yield / Elongation Verification Hardness Testing Charpy V-Notch Impact Testing Chemical Composition Verification	Positive Material Identification (PMI) Ultrasonic Testing (UT) Magnetic Particle Testing (MT) Liquid Penetrant Testing (PT)	Inspection & Test Plan (ITP) Quality Control Plan (QCP) Third-Party Inspection Support Hold / Witness Point Coordination	- EN 10204 3.1 Inspection Certificates - Material Test Certificates - Certificates of Conformity - Mechanical Test Reports - Chemical Analysis Reports - Dimensional Inspection Reports - Coating / Galvanizing Reports - NDT Reports, where applicable - Packing Lists & Identification Records - MDR / Manufacturing Record Book

2. QUALITY SYSTEM & CERTIFICATION FRAMEWORK

 ISO 9001:2015 Quality Management System	 EN 10204 3.1 Material Certification, per project requirement	 Third-Party Inspection Upon Request — TÜV · SGS · BV · DNV	 PED 2014/68/EU Where Applicable
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INDUSTRIES & APPLICATIONS

Kazenco serves diverse industrial sectors with reliable materials, components and technical support tailored to each project's specific requirements.



OIL & GAS

Upstream · Processing ·
Pipelines · Terminals



PETROCHEMICAL & CHEMICAL

Process Plants · Refineries ·
Storage



POWER & ENERGY

Generation · Infrastructure ·
Foundations



MINING & METALS

Mining Facilities ·
Processing Plants



INDUSTRIAL PLANTS

Manufacturing · Process Equipment ·
Expansion



INFRASTRUCTURE

Transportation · Structural
Foundations



LET'S BUILD YOUR NEXT PROJECT

Project-specific fastening and engineered steel component solutions

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TO SPEED UP YOUR QUOTATION, PLEASE HAVE READY



**Drawings &
Specifications**



**Material &
Standards**



**Quantity &
Delivery**



**Certification
Requirements**

DOCUMENTATION & INSPECTION SUPPORT

ISO 9001:2015

Quality Management

EN 10204 3.1

Per Project Requirement

3rd-Party Inspection

Upon Request

PED 2014/68/EU

Where Applicable

PROJECT FOOTPRINT · KAZAKHSTAN

Atyrau · Tengiz · Karabatan · Aktau · Aksai · Almaty

20 verified project references across six delivery locations

KAZENCO — ENGINEERING CONSTRUCTION MATERIALS & TRADE COMPANY

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