



VIANKO STEEL

Strength, Marked in Steel



**PRECISION ENGINEERED • SUPERIOR QUALITY
RELIABLE SOLUTIONS**

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ABOUT US

- Vianko Steel is a specialized manufacturer of flanges and Fittings for critical piping applications.
- The company focuses on supplying dimensionally accurate, standard-compliant components for high-pressure and high-temperature service conditions.
- Vianko Steel serves EPC contractors, consultants, and industrial end users across sectors such as oil & gas, petrochemical, refineries, power generation, and chemical processing.
- Our products are manufactured in accordance with ASME / ANSI and applicable international standards, ensuring compatibility with global project specifications.
- Strong emphasis is placed on quality consistency, material traceability, and clear product identification through permanent marking.
- Vianko Steel is committed to delivering reliable piping components that support safe, long-term operation in demanding industrial environments.
- The company combines technical understanding, controlled processes, and customer-focused execution to meet project and schedule requirements.

Mission



To manufacture high-quality steel elbows and flanges with precision, reliability, and on-time delivery for global industrial projects.



VISION



WANKIP STEEL

- To become a globally trusted manufacturer of high-quality steel elbows, flanges, and piping components, recognized for engineering excellence, precision manufacturing, and long-term partnerships in the oil & gas, petrochemical, power, and infrastructure sectors.



VIANKO STEEL

Size, Class Range & Schedule for Flanges

1/2" to 60" | Class 150 to 2500

GRADE

- ▶ A105
- ▶ F304/304L
- ▶ F316/316L
- ▶ F321/F321H
- ▶ F51/F55
- ▶ Other Grades Available
- Upon Client Request

SCHEDULES

SCH 10S

SCH 20

SCH 40/40S

SCH 80/80S

SCH 100#

SCH 120

SCH 140

SCH 160

XXS



Special Wall Thickness
as per Client Requirement

FLANGE TYPES WE SUPPLY



WELD NECK
(WN)



BLIND



SOCKETWELD



SLIP-ON



THREADED

TYPES OF ENDS



RTJ



RF
(Raised Face)



FF
(Flat Face)



LJ
(Lap Joint)



VIANKO STEEL

Size, Class Range & Schedule for Fittings

BUTTWELD FITTINGS

Size Range: **1/2" to 48"**

APPLICABLE GRADES

- ▶ ASTM A234 WPB
- ▶ ASTM A420 WPL6
- ▶ ASTM A860 WPHY 42 / 52 / 60 / 65 / 70
- ▶ ASTM A403 WP304 / 304L
- ▶ ASTM A403 WP316 / 316L
- ▶ ASTM A815 UNS S31803 / S32205
- ▶ ASTM A815 UNS S32750 / S32760
- ▶ Other Grades Available Upon Client Request

SCHEDULES

- ▶ SCH 10S
- ▶ SCH 30
- ▶ SCH 60
- ▶ SCH 100*
- ▶ SCH 120
- ▶ SCH 160
- ▶ XXS
- ▶ SCH 20
- ▶ SCH 40 / 40S
- ▶ SCH 80 / 80S
- ▶ SCH 120
- ▶ SCH 140
- ▶ SCH 160
- ▶ XXS

▶ Custom Wall Thickness Available on Order (Made-to-Order)

TYPES OF BUTTWELD FITTINGS



Elbow 45°



Elbow 90°



Elbow 180° (Return)



Tee (Equal / Reducing)



Reducer (Concentric / Eccentric)



End Cap

FORGE FITTINGS

- ▶ Size Range: **1/2" to 4"**
- ▶ Pressure Class: Class 3000 | Class 9000
- ▶ End Connection Types:
 - SW - Socked
 - NPT - National Pipe Thread
 - BSPT: British Standard Pipe Taper
 - BSP - British Standard Parallel
- ▶ SW - Scket Weld
- ▶ BSPT - British Super Thread
- ▶ BSP - British Standard
- ▶ Other Grades Available Upon Client Request



TYPES OF FORGED FITTINGS



Elbow 45°



Elbow 90°



Elbow 180° (Return)



Tee (Equal / Reducing)



Reducer



Stub End



End Cap



Stub End



Grade



Threaded



Union



Plug



Plug / Bushing

Quality & Compliance

- At Vianko Steel, quality is not a checkpoint — it is a system.
- Our operations follow internationally recognized ISO standards to ensure:
- Strict raw material verification
- PMI (Positive Material Identification) as per applicable grade
- Dimensional inspection & pressure testing
- Third-party inspection (TPI) support
- Complete Mill Test Certification (MTC) documentation
- Full material traceability
- We adhere to international manufacturing standards such as ASTM, ASME, ANSI, DIN, and EN specifications to meet global project requirements.



VIANKO STEEL

FORGED FLANGES & FITTINGS MANUFACTURING PROCESS



RAW MATERIAL

- ▶ Carbon Steel / Alloy Steel / Stainless Steel Bars or Billett



INSPECTION OF

- ▶ Visual inspection
- ▶ Chemical verification (PMi if Required)
- ▶ Heat Number Traceability



CUTTING



HEATING

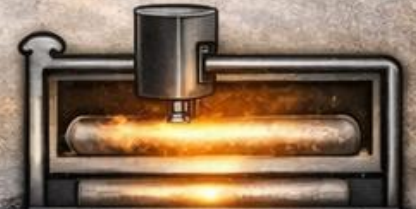
- ▶ Heating to Forging Temperature



CUTTING



HEATING



FORGING

- ▶ Open Die / Closed Die Forging
- ▶ Shape Formation as per Standard



ROUGH MACHINING

- ▶ Rough Facing
- ▶ Turning Operations



DRILLING / BORING

- ▶ Bolt Hole Drilling (For Flanges)
- ▶ Internal Boring (For Fittings)



HEAT TREATMENT

- ▶ Normalizing / Quenching & Tempering
- ▶ Annealing as per Material Grade & Standard



SURFACE CLEANING

- ▶ Shot Blasting / Water Washing
- ▶ Oil & Scale Removal



FINAL INSPECTION

- ▶ Dimensional Inspection
- ▶ Visual Inspection
- ▶ UT / MT (if Required)



MARKING

- ▶ Size
- ▶ Pressure Class
- ▶ Material Grade
- ▶ Manufacturer name (VIANKO STEEL)



PACKING & DISPATCH



Industry Focus

We serve EPC contractors, OEMs, and procurement companies across:



Oil & Gas

Upstream / Downstream



Refineries



LNG Facilities



Offshore Platforms



Power Plants



Marine & Infrastructure Projects

Our strength lies in understanding technical RFQs and delivering precise, compliant, and project-ready solutions with reliable lead times.

Certification

ISO45001:2018

ISO14001:2015



ISO9001:2015





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