VIKTECH FITTINGS

Industrial Pipe Fittings & Flanges - Delivered Right

EXPORT CATALOGUE

2026 Edition

FLANGES | BUTT-WELD & FORGED FITTINGS | INDUSTRIAL VALVES
GASKETS & SEALS | FASTENERS | PROJECT SUPPLY

www.viktech.co.in | sales@viktech.co.in | +91 76780 70276

Head Office: Andheri East, Mumbai, Maharashtra 400093, India
Branch Office: Ramnagar Industrial Area, Varanasi, Uttar Pradesh 221008, India

Supplying to the Middle East | Africa | Southeast Asia | Across India

WHAT'S INSIDE

This catalogue presents VikTech Fittings' complete export range: every product family we supply, the standards and material grades we work to, and the trade services that support overseas buyers from enquiry to delivery.

01	**Company Overview**	Who we are, registrations and reach
02	**Why VikTech Fittings**	Six reasons buyers stay with us
03	**Global Export Reach**	Markets, ports and export documentation
04	**Industries We Supply**	Fifteen sectors served from stock
05	**Product Portfolio**	Six product families at a glance
06	**Flanges**	Types, ratings, facings, bolt and P-T data
07	**Butt-Weld Pipe Fittings**	Elbows to stub ends plus pipe schedule reference
08	**Forged Pipe Fittings**	Socket weld and threaded, ASME B16.11
09	**Industrial Valves**	Nineteen valve types plus flow meters
10	**Gaskets & Seals**	Sealing families and facing compatibility
11	**Industrial Fasteners**	Types and ASTM grades
12	**Material Grades & Equivalents**	Carbon, alloy, stainless, duplex
13	**Standards Reference**	The ASME / ASTM / EN / DIN / IS codes we work to
14	**Value-Added Services**	Fabrication, erection and support
15	**Quality Assurance**	Testing, marking, traceability, storage
16	**Packaging & Export Terms**	Sea-worthy packing, Incoterms, documents
17	**How to Order**	The six details we need to quote
18	**Glossary & Product Index**	Common terms and where to find every product
19	**Frequently Asked Questions**	MOQs, lead times, payment and inspection
20	**Enquiry Form**	Print, fill and send back for a quotation

01 COMPANY OVERVIEW

VikTech Fittings is an authorised supplier, trader and exporter of industrial pipe fittings, flanges, valves, fasteners, gaskets and seals, headquartered in Mumbai, Maharashtra, with a branch office in Varanasi, Uttar Pradesh. We supply to oil & gas, pharmaceutical, EPC and PSU clients across India and to export markets in the Middle East, Africa and Southeast Asia.

Our product range covers MS (mild steel), GI (galvanised iron), SS (stainless steel), carbon steel and alloy steel components, manufactured and sourced to ASME, ASTM, DIN and IS standards. We hold ready stock of more than 500 commonly used items in multiple sizes and grades, which lets us quote quickly and ship fast. Every product is inspected before dispatch, supplied with a material test certificate (MTC) and packed to customer requirements - from single-item replacements to complete project consignments.

Company Facts

Parameter	Details
Business type	Authorised supplier, trader & exporter of industrial piping components
Established	2024-25
Registrations	GST 27BNJPV4170K1ZD | MSME / Udyam certified | ISO certified
Head office	Shop No. 09, Siddhivinayak Society, Shere E Panjab Road, Chakala MIDC, Andheri East, Mumbai, Maharashtra 400093, India
Branch office	Ramnagar Chauk, Ramnagar Industrial Area, Varanasi, Uttar Pradesh 221008, India
Ready stock	500+ product lines across fittings, flanges and piping accessories
Materials	MS, GI, SS, carbon steel, alloy steel, duplex and special grades on request
Standards	ASME, ASTM, DIN, EN and IS
Export markets	Middle East, Africa, Southeast Asia; pan-India supply

Note: catalogue dimensions and ratings are indicative references to the governing standards; certified dimensions are confirmed per order on the material test certificate.

02 WHY VIKTECH FITTINGS

Repeat export buyers stay with us for six practical reasons.

Standards compliance

Products supplied to ASME, ASTM, DIN, EN and IS standards, with the applicable grade and class marked on every quotation and certificate.

MTC with every order

Material test certificates to EN 10204 3.1 accompany each dispatch, plus third-party inspection reports where required.

Third-party inspection

TPI agencies welcome at our works and warehouses before dispatch - results shared before shipment.

Ready stock, bulk supply

500+ lines in stock for fast despatch, with sourcing depth for refinery, power and metro-scale project volumes.

Custom fabrication

Threading, beveling, polishing and custom coating to your drawings and specifications.

Export documentation

Full export document set - invoice, packing list, certificate of origin, MTC - prepared in-house for smooth customs clearance.

Our promise

On-time delivery, transparent pricing and traceable quality on every order - from a single replacement flange to a full EPC package. When an item is not in stock, we say so and give you a firm lead time rather than a vague one.

03 GLOBAL EXPORT REACH

VikTech Fittings supplies fittings and flanges across the Middle East, Africa and Southeast Asia, and to industrial clients across India. Our Mumbai base gives direct access to the JNPT / Nhava Sheva sea port and Mumbai international air cargo, so urgent orders move by air and volume orders move by sea on schedule.

Export documentation provided with every consignment

- Commercial invoice and detailed packing list
- Bill of lading (sea) or airway bill (air)
- Certificate of origin
- Material test certificate (EN 10204 3.1) and heat traceability
- Third-party inspection reports, where nominated
- Fumigation and any destination-specific certificates on request

Trade terms

We quote on EXW, FOB (Nhava Sheva), CFR and CIF bases. Write to sales@viktech.co.in with your destination port and Incoterm for a firm offer including freight.

From enquiry to dispatch

1. **Enquiry** - your item list with sizes, grades and destination.
2. **Quotation** - firm price, lead time and validity, normally within one working day.
3. **Order confirmation** - proforma invoice and the agreed Incoterm and payment terms.
4. **Inspection** - in-house checks, MTC preparation and any third-party inspection you nominate.
5. **Packing** - sea-worthy crates and pallets, marked to your specification.
6. **Dispatch** - shipment by sea or air with the full document set and tracking details.

04 INDUSTRIES WE SUPPLY

Fifteen sectors, one supplier. Our range covers low-pressure utility lines to high-pressure process piping across:

Oil & Gas Refineries, terminals and process units	**Petrochemical** Cracker complexes and downstream plants	**Chemical Plants** Corrosive media, SS and lined systems
Pharmaceutical Sanitary SS piping and clean utilities	**Power Plants** Boiler and balance-of-plant piping	**Water Treatment** GI and SS networks, valves and strainers
Food & Beverage SS 304 / 316 process and CIP lines	**Fire Fighting** Grooved, threaded and flanged fire lines	**Sugar & Cement** Abrasive slurry and utility piping
Steel & Mining Cooling water, hydraulic and gas lines	**Marine & Shipbuilding** Class-approved piping spools	**HVAC & Infrastructure** Chilled water and utility risers
Paper & Pulp Digesters, bleach and chemical lines	**Textile** Steam, water and dye-line piping	**EPC & Construction** Consolidated project supply, single source

Beyond product supply we execute pipeline erection, hydro testing and commissioning, shutdown maintenance and EPC turnkey scopes - see section 14.

05 PRODUCT PORTFOLIO

Six product families cover a complete piping package. All families are available in carbon steel, stainless steel and alloy steel; duplex, nickel alloys and special grades on request.

Flanges Ten face types from 1/2 in to 60 in, Class 150 to 2500, ASME B16.5 / B16.47, DIN and EN.	**Butt-Weld Fittings** Elbows, tees, reducers, caps, crosses and stub ends, 1/2 in to 48 in, ASME B16.9 / EN 10253.	**Forged Fittings** Socket weld and threaded elbows, tees, couplings and unions, 1/8 in to 4 in, ASME B16.11.
Industrial Valves Nineteen valve types plus flow meters, 1/2 in to 48 in, manual or actuated.	**Gaskets & Seals** Spiral wound, RTJ, PTFE, non-asbestos, rubber and mechanical seals for every flange class.	**Fasteners** Stud bolts, nuts, washers, threaded rod and specials to ASTM A193 / A194 grades.

06 FLANGES

VikTech Fittings manufactures, supplies and exports flanges to ASME B16.5, ASME B16.47, DIN and EN standards in carbon steel (A105), stainless steel (F304 / F316), alloy steel (F11 / F22) and duplex. Ten face types cover every common duty:

Type	Sizes & Class	Where it is used
Weld Neck (WN)	1/2-60 in, 150-2500	Long tapered hub transfers stress into the pipe wall - the default for high-pressure, high-temperature and critical lines.
Slip-On (SO)	1/2-60 in, 150-1500	Slides over the pipe with two fillet welds; easy alignment, economical for low and medium pressure.
Blind (BLRF / BLFF / BLRTJ)	1/2-60 in, 150-2500	Closes a pipeline end or a pressure-test boundary; rated for full line pressure.
Socket Weld (SW)	1/2-4 in, 150-2500	Small-bore, high-pressure lines; pipe sits in the socket, one fillet weld.
Threaded / Screwed	1/2-6 in, 150-2500	Internal NPT / BSPT threads - assembly without welding; low-pressure and non-critical service.
Lap Joint (LJ) + Stub End	1/2-24 in, 150-1500	Backing flange rotates over a stub end for easy bolt alignment; frequent dismantling and maintenance.
Plate / Flat (EN 1092)	DN10-DN600, PN6-PN40	Cut from plate for cost-sensitive utility and fire-water lines.
Orifice Flange Assembly	1/2-36 in, 150-2500	Flange pairs with jacking screws and tapings for flow measurement with orifice plates.
Spectacle Blind (8-shaped)	1/2-48 in, 150-2500	Single figure-8 blank rotates in the line to isolate or open a run.
Long Weld Neck (LWN)	1/2-24 in, 150-2500	Extended hub for nozzles, valve bodies and pump suctions.

Flange facing types

Facing	Code	Standard application
Raised Face	RF	Default facing for Class 150-2500; serrated finish per ASME B16.5.
Flat Face	FF	Cast iron, brittle materials and low-pressure utility lines.
Ring Type Joint	RTJ	Metal-to-metal octagonal / oval ring seals for high pressure and temperature (Class 900+ typical).

Pressure class ratings - ASME B16.5, Group 1.1 (ASTM A105)

Class	150	300	400	600	900	1500	2500
Rating at 38 °C (bar)	19.6	51.1	68.1	102.1	153.2	255.1	425.5
Rating at 38 °C (psi)	285	740	985	1480	2220	3705	6170

Ratings fall as temperature rises; the governing table is ASME B16.5 for the ordered material group. Large-bore flanges (26-60 in) follow ASME B16.47 Series A / B, Class 75-900. DIN / EN flanges are rated PN6-PN100.

Pressure-temperature ratings, ASTM A105 (ASME B16.5 Group 1.1)

Service temperature	38 °C	93 °C	149 °C	204 °C	260 °C	316 °C
Class 150 (bar)	19.6	17.9	15.9	13.8	11.7	9.7
Class 300 (bar)	51.1	51.7	51.4	49.3	45.9	41.7

Flange ratings fall as service temperature rises - select the class from the table using your maximum coincident temperature, not the ambient rating. Stainless and alloy groups have their own rating tables in ASME B16.5; we confirm the applicable rating on every quotation.

Class 150 flange drilling - bolt circle and fixing (ASME B16.5)

NPS (in)	Flange OD (in)	Bolt circle (in)	No. & size of bolts
1/2	3.50	2.38	4 x 1/2
3/4	3.88	2.75	4 x 5/8
1	4.25	3.12	4 x 5/8
1 1/4	4.62	3.50	4 x 5/8
1 1/2	5.00	3.88	4 x 5/8
2	6.00	4.75	4 x 5/8
2 1/2	7.00	5.50	4 x 3/4
3	7.50	6.00	4 x 3/4
4	9.00	7.50	8 x 3/4
6	11.00	9.50	8 x 3/4
8	13.50	11.75	8 x 3/4
10	16.00	14.25	12 x 7/8
12	19.00	17.00	12 x 7/8

For procurement, confirm drilling against the governing standard edition for your order - we verify every dimension at inspection before dispatch.

07 BUTT-WELD PIPE FITTINGS

Manufactured and exported to ASME B16.9 and EN 10253 in carbon steel, stainless steel, alloy steel and duplex, from 1/2 in to 48 in and schedules 10 through 160 (STD, XS, XXS); light-wall stainless fittings to MSS SP-43.

Fitting	Range & Schedule	Function
90° Elbow LR / SR	1/2-48 in, Sch 10-160	Main direction change; long radius (R=1.5D) for low pressure drop, short radius (R=1D) for tight layouts.
45° Elbow	1/2-48 in, Sch 10-160	Gentle direction change with lower friction loss than a 90° turn.
180° Elbow / Bend	1/2-24 in	Complete flow reversal - typical in heat-exchanger and boiler tube runs.
3D / 5D Pipe Bends	1-48 in	Large-radius bends with smooth pigging paths for pipelines and slug-free flow.
Equal Tee	1/2-48 in, Sch 10-160	Three-way branch of the same bore, full through-run.

Fitting	Range & Schedule	Function
Reducing Tee	1/2-48 in	Branch smaller than the run - keeps the header size while dropping to equipment.
Concentric Reducer	1/2-48 in	Axis-aligned size change; keeps pipe supports simple, avoids gas pockets.
Eccentric Reducer	1/2-48 in	Flat-side alignment removes air pockets at pump suctions and drains low points.
Pipe Cap	1/2-48 in	Butt-weld closure for pipeline ends and test boundaries.
Cross	1/2-24 in	Four-way flow distribution for splitting or combining streams.
Stub End	1/2-12 in, Type A / B	Welded to pipe, pairs with a lap-joint backing flange.

Material grades: ASTM A234 WPB (carbon), WP11 / WP22 (alloy), WP304 / WP316 (stainless), WPS31803 (duplex); EN equivalents per section 12. Hydro-tested and bevelled as standard; special bevels, cleats and coating to order.

Pipe size & wall thickness reference (ASME B36.10M)

NPS (in)	DN	OD (mm)	Wall STD / Sch 40 (mm)	Wall XS / Sch 80 (mm)
1/2	15	21.3	2.77	3.73
3/4	20	26.7	2.87	3.91
1	25	33.4	3.38	4.55
1 1/4	32	42.2	3.56	4.85
1 1/2	40	48.3	3.68	5.08
2	50	60.3	3.91	5.54
2 1/2	65	73.0	5.16	7.01
3	80	88.9	5.49	7.62
4	100	114.3	6.02	8.56
6	150	168.3	7.11	10.97
8	200	219.1	8.18	12.70
10	250	273.0	9.27	15.09
12	300	323.9	10.31	17.48

STD and XS walls match Sch 40 / 80 only up to NPS 10; from NPS 12 the schedules diverge. Use this table to convert between NPS-inch and DN-metric enquiries.

08 FORGED PIPE FITTINGS

High-pressure forged fittings to ASME B16.11, in carbon steel (A105), stainless steel (F304 / F316) and alloy steel (F11 / F22), from 1/8 in to 4 in. Two connection families, three pressure classes each:

Socket weld (SW) fittings

The pipe inserts into a socket and takes a single fillet weld - strong, leak-proof joints for high-pressure and high-temperature small-bore lines.

Threaded / screwed (THD) fittings

NPT, BSPT or BSPP threads give a weld-free assembly for low and medium-pressure systems and maintenance-sensitive connections.

Fitting	Classes	Notes
90° and 45° Elbow, Street Elbow	3000 / 6000 / 9000	SW and NPT threaded versions
Tee - equal and reducing	3000 / 6000 / 9000	Branch and run bores per schedule 40 / 80 / 160 pipe
Cross	3000 / 6000	Four-way branch
Coupling, half coupling	3000 / 6000 / 9000	Joins two pipe ends
Union	3000 / 6000	Screwed joint for quick dismantling
Cap and plug	3000 / 6000 / 9000	End closures
Bushing	3000 / 6000	Reduces a female thread
Bosses, olets (threadolet / sockolet)	3000 / 6000	Branch connections off run pipe

Class corresponds to the matching pipe schedule - Class 3000 fits Sch 80 pipe, 6000 fits Sch 160, 9000 fits XXS. Full material test certificates supplied.

09 INDUSTRIAL VALVES

VikTech Fittings supplies and exports valves to ASME B16.34 from 1/2 in to 48 in, Class 150 to 2500, in carbon steel, stainless steel and alloy steel - flanged, threaded, socket weld or butt weld ends, manual or actuated (gear, pneumatic, electric, hydraulic).

Valve	Configuration highlights
Gate Valve	Sliding disc isolator; flanged / SW / BW, multiple classes; the standard on-off block valve.
Globe Valve	Linear throttling for flow and pressure regulation; repairable seat.
Ball Valve	Quarter-turn; full or reduced bore, floating or trunnion; fast bubble-tight shutoff.
Butterfly Valve	Wafer, lug and flanged; resilient-seated for utilities, high-performance offset for process.
Check / Non-Return (NRV)	Swing, wafer, dual-plate, lift and forged designs to stop reverse flow.
Plug Valve	Lubricated, non-lubricated, sleeved, metal-seated; full-port and three-way.
Needle Valve	Precise metering for instrumentation, hydraulic and pneumatic panels.
Diaphragm Valve	Media isolated from the stem; sterile and slurry duties.
Safety / Pressure Relief Valve	Set-pressure protection for vessels and lines.

Valve	Configuration highlights
Control Valve	Pneumatic, electric or hydraulic actuation for closed-loop process control.
Knife Gate Valve	Slurry, pulp and powder shut-off with a shearing gate.
Solenoid Valve	Fast electrically-actuated switching for automation packages.
Foot Valve	Strained inlet check for pump suctions.
Air Valve	Releases trapped air from water networks.
Flush Bottom Valve	Drains vessels and reactors without dead volume.
Strainer Valve	Y-type and basket filtration protecting downstream equipment.
Cryogenic Valve	Extended bonnet service for LNG and cold applications.
High-Pressure Valve	Forged bodies for Class 1500-4500 service.
Industrial Flow Meters	Electromagnetic, ultrasonic, vortex, turbine, Coriolis and PD types with digital outputs.

Body materials, trim and testing

Option	Availability
Body & bonnet	Carbon steel, SS 304 / 316, alloy steel, duplex on request
Seat & trim	SS 316 trim, stellite-faced and hardened options; soft (PTFE / PEEK / EPDM) or metal seats
Stem & packing	SS stems with graphite or PTFE packing; live-loaded on request
Testing	Hydrostatic shell and seat tests to API 598 / ISO 5208 where specified
Accessories	Gear units, actuators, limit switch boxes, positioners and solenoids

End connections and actuation options

End connection	Sizes	Typical use
Flanged (RF / FF / RTJ)	1/2-48 in	Process lines; bolts apart for maintenance without cutting pipe
Butt weld	1/2-24 in	High-pressure and leak-critical lines; full-bore welded joint
Socket weld	1/2-2 in	Small-bore, high-pressure instrumentation and sample lines
Threaded NPT / BSP	1/2-4 in	Utilities and quick installation without hot work

Actuation: hand lever or gear, electric, pneumatic and hydraulic - with limit switches, positioners and solenoid boxes added to order.

10 GASKETS & SEALS

A flange is only as tight as its gasket. We supply the full sealing range matched to the flange class and media, in materials from elastomer to solid metal:

Gasket / Seal	Construction	Typical service
Spiral Wound	SS winding with graphite or PTFE filler, centring ring	Class 150-2500 flanges; high pressure and temperature, cyclic duty (graphite to about 550 °C)
Ring Type Joint (RTJ)	Solid alloy / carbon steel octagonal or oval ring	Class 900+ and high-temperature oil & gas service; metal-to-metal seal

Gasket / Seal	Construction	Typical service
Soft Cut - Non-Asbestos / CAF-free	Aramid or synthetic fibre with elastomer binder	Steam, water, oils and acids to about 400 °C depending on grade
PTFE	Virgin or filled PTFE	Chemical, pharmaceutical and food lines; chemically inert to about 260 °C
Rubber	EPDM, NBR, SBR elastomers	Water, sea water, mild chemicals; EPDM to about 130 °C
Mechanical Seals	Carbon, ceramic, SS and elastomer faces	Pumps, mixers and rotating equipment; leak-free shaft sealing
Industrial Seals	Rubber, PTFE, metal composites	Static and dynamic sealing in pipelines, pumps and machinery

Service limits are typical for the material family; the ordered grade's datasheet governs. We recommend the gasket with every flange order to avoid mismatched facing and filler.

Facing and gasket compatibility

Flange facing	Compatible gaskets	Never use
Raised Face (RF)	Spiral wound with centring ring; soft cut non-asbestos; PTFE; rubber sheet	Full-face gaskets (they bridge the raised surface unevenly)
Flat Face (FF)	Full-face rubber, EPDM and soft cut gaskets	Metal gaskets - the flat seat cannot seal them
Ring Type Joint (RTJ)	Octagonal or oval solid metal rings in the matching ring groove	Spiral wound or soft gaskets - the groove geometry excludes them

Combining the wrong gasket with the facing is the most common cause of a leaking joint on new lines. When in doubt, ask us to match the gasket to the flanges on your order.

11 INDUSTRIAL FASTENERS

Bolting for flanges, pressure equipment and structural steel - supplied with certificates and, on request, as matched stud-bolt and nut sets with washers, ready-lubricated and capped for export.

Fastener range

- Bolts, stud bolts and U-bolts
- Nuts (hex, heavy hex, lock)
- Screws and set screws
- Washers (plain, spring, tab washers)
- Anchor bolts and J-bolts
- Threaded rod (full length)
- Rivets and pins
- Clamps and circlips

ASTM grade	Material	Typical duty
A193 B7 / A194 2H	Cr-Mo alloy steel bolt + carbon steel nut	The standard high-temperature bolting pair for B16.5 flanges to about 425 °C

ASTM grade	Material	Typical duty
A193 B7M / A194 2HM	Slightly softened Cr-Mo	Sour and H2S-limited service (NACE MR0175)
A193 B8 / B8M with A194 8 / 8M	SS 304 / 316 bolt and nut	Stainless and corrosion-resistant lines, cryogenic plants
A320 L7 / A194 L7	Low-temperature alloy steel	Cryogenic and low-temperature service to -101 °C
A193 B16	Cr-Mo-V alloy	Elevated-temperature bolting above B7 limits (to about 540 °C)
A307 Gr A / B	Carbon steel	General structural and low-pressure utility bolting

Sizes from M6 to M100 and 1/4 in to 4 in; other national and proprietary standards on request. Every set ships with mill certificates.

12 MATERIAL GRADES & EQUIVALENTS

The grades we stock most often, with their common European equivalents. When a drawing cites a DIN / EN grade, we quote the ASME equivalent alongside it so inspection stays straightforward.

Family	ASTM grades (product form)	EN / UNS	Typical applications
Carbon Steel	A105 (flanges, forgings), A106 Gr B (pipe), A234 WPB (BW fittings), A53 Gr B	1.0308 / C22.8, P250GH, S235JR	Oil & gas, utilities, fire water; -29 °C to 425 °C
Low Alloy	A335 P11 / P22 / P91 (pipe), A182 F11 / F22 / F91 (forgings), A234 WP11 / WP22	1.7335, 1.7380, 1.4903	High-temperature steam and process lines to about 600 °C
Stainless 304/L	A182 F304 / F304L, A403 WP304 / WP304L, A312 TP304	1.4301 / 1.4307	Food, pharma, general corrosion resistance; L-grades for welded service
Stainless 316/L	A182 F316 / F316L, A403 WP316 / WP316L, A312 TP316	1.4401 / 1.4404	Chemical, marine and chloride-bearing media
Stainless 321 / 347	A182 F321 / F347, A312 TP321	1.4541 / 1.4550	Stabilised grades for welded high-temperature service
Duplex & Super Duplex	A182 F51 / F53, A815 WPS31803 / WPS32750	1.4462 / 1.4410	Offshore, seawater and high-chloride duty; about double 316 strength
Nickel Alloys (on request)	Monel 400 (B164), Inconel 600 / 625 (B564 / B443)	2.4360, 2.4816, 2.4856	Seawater, acid and high-temperature corrosive service

Typical service temperature limits by family

Material family	Typical range	Notes
Carbon steel A105 / A106 B	-29 to 425 °C	The general workhorse; impact testing extends the low end
Low alloy P11 / F11	-29 to 540 °C	Chrome-moly for steam and hot hydrocarbons
Low alloy P22 / F22	-29 to 570 °C	Higher creep strength at top steam temperatures
Low alloy P91 / F91	-29 to 600 °C	Power-plant grade for main steam lines
Stainless 304 / 316	-196 to 800 °C	Cryogenic to high temperature; L-grades for welded service
Duplex / super duplex	-50 to 280 °C	High strength plus chloride resistance
Nickel alloys	per alloy	Monel, Inconel and other specials - quoted to duty

Typical guidance only - the applicable design code and the MTC govern the final selection. Impact-tested lots extend low-temperature limits on request.

Selection guide by service

Service	Recommended material	Gasket / sealing
High-temperature steam (above 425 °C)	Alloy steel F22 / P22, Class 600+	Graphite spiral wound or RTJ rings
Seawater and offshore	Super duplex F53 (316L minimum)	Graphite spiral wound
Acids and process chemicals	SS 316L or higher alloy	PTFE or expanded graphite
Cryogenic (to -196 °C)	SS 304 / 316, A320 L7 bolting	Graphite spiral wound
Fire water and utilities	GI / carbon steel A105	EPDM rubber or CAF-free cut
Food, pharma and sanitary	SS 304 / 316	PTFE / EPDM, food-grade on request
Sour service (wet H2S)	NACE-compliant carbon steel, B7M bolting	Soft iron or RTJ per class

Not sure which grade suits your media and temperature? Send the line list to sales@viktech.co.in and we will propose a grade and quote it with alternatives.

13 STANDARDS REFERENCE

Every quotation cites the code it is priced against. These are the standards VikTech works to most often; if your project specifies a code not listed here, ask - we source to it regularly.

Standard	Scope
ASME B16.5	Pipe flanges and flanged fittings, NPS 1/2 to 24
ASME B16.47	Large-diameter steel flanges, NPS 26 to 60
ASME B16.9	Factory-made wrought butt-weld fittings
ASME B16.11	Forged fittings, socket weld and threaded
ASME B16.20	Metallic gaskets - ring joint and spiral wound
ASME B16.21	Non-metallic flat gaskets for pipe flanges
ASME B16.25	Butt-weld end preparation
ASME B16.34	Valves - flanged, threaded and SW ends
ASME B36.10M	Welded and seamless wrought steel pipe (schedules)
ASTM A105	Carbon steel forgings for piping components
ASTM A182	Forged alloy and stainless flanges and fittings (F-grades)
ASTM A193 / A194	Bolting materials and nuts for high temperature
ASTM A234	Wrought carbon and alloy fittings (WP-grades)
ASTM A312	Seamless and welded austenitic stainless pipe
ASTM A320	Alloy steel bolting for low-temperature service
ASTM A335	Seamless ferritic alloy steel pipe (P-grades)
EN 1092-1	Steel flanges, PN designated
EN 10253	Butt-welding steel fittings

Standard	Scope
EN 10204	Inspection documents - the 3.1 MTC
DIN 2576	Plate flanges, PN 10 / PN 16
MSS SP-43	Light-wall stainless butt-weld fittings
IS 1538	Steel pipe fittings and flanges (Indian Standard)

14 VALUE-ADDED SERVICES

We are a piping partner, not just a stockist. Alongside product supply we run on-site pipeline erection, installation and maintenance scopes.

Industrial Pipeline Erection On-site erection of process and utility piping per approved drawings and weld procedures.	**Process & Utility Piping** Spool supply and installation for process, water, steam and gas networks.	**Fabrication & Welding** Certified welders and procedures; custom spools, headers and skids.
Maintenance & Repair Planned and breakdown repair of running piping systems.	**Hydro Testing & Commissioning** Pressure testing, flushing and line commissioning with documentation.	**Valve Installation** Setting, gasketing and torque-controlled bolting of manual and actuated valves.
Shutdown Maintenance Pre-planned turnaround supply and crews to shorten outages.	**Flange Alignment & Fitting** Alignment, torque and leak-rectification service for critical joints.	**EPC & Turnkey Projects** Single-point piping supply and execution for EPC contractors.
Export Supply Solutions Consolidation, sea-worthy packing and documentation for overseas buyers.	**Industrial Product Sourcing** Hard-to-find items sourced from vetted manufacturers.	**Technical & Onsite Support** Grade selection advice, drawing checks and site coordination.

15 QUALITY ASSURANCE

Every item is checked before dispatch and every dispatch carries its paper. Our quality system is ISO-certified, and third-party inspection is welcome at any stage.

Tests and verification

- Chemical composition analysis per heat
- Tensile and yield strength, elongation
- Hardness (Brinell / Vickers) where specified
- Hydrostatic pressure test on fittings and valves
- Positive material identification (PMI) on request
- Radiographic and dye-penetrant testing of welds on request
- Dimensional and visual inspection to the governing standard
- Third-party inspection (TPI) before dispatch, agency nominated by you

Assurance	What you receive
Material Test Certificate	EN 10204 3.1 certificate for every heat supplied
Traceability	Heat numbers marked on product and quoted on all documents
Inspection	Pre-dispatch TPI reports; stage inspection on request
Registration	ISO certified; GST 27BNJPV4170K1ZD; MSME / Udyam registered
Packing	Sea-worthy export packing, rust preventives and end caps as standard

Marking and identification

Products are marked per MSS SP-25 with the manufacturer's brand, nominal size, schedule or class, material grade and heat number - so what arrives on site matches the paper in the document pouch. Colour coding, paint stencilling and project tag marking are applied to customer specification on request.

Storage and handling on arrival

- Store indoors, dry and off the ground; machined faces stay capped until installation
- Keep gaskets flat, away from direct light and heat sources
- Leave rust-preventive on bolt threads until the joint is made up
- For stainless items, avoid contact with carbon steel racks and tools to prevent cross-contamination

16 PACKAGING & EXPORT TERMS

Export orders survive the sea only if packed for it. Standard export packing is sea-worthy; heavier or hazardous-duty packing is quoted per order.

Packing standard

- Plywood crates and strapped pallets for flanges and fittings
- Rust-preventive oil on machined faces, plastic end caps on bores
- Polythene-lined and shrink-wrapped bundles; threaded ends protected
- Heat numbers and item tags on every bundle
- Marking per customer specification (project tag, PO number, destination)

Term	What we handle
Incoterms	EXW (Mumbai), FOB Nhava Sheva, CFR and CIF to your port
Documents	Commercial invoice, packing list, B/L or AWB, certificate of origin, MTC, TPI reports
Payment	Advance / LC / documentary collection - agreed per order
Lead time	Stock items: typically 3-7 days to dispatch; made-to-order: quoted per item
Freight	Sea (FCL / LCL) and air freight through vetted forwarders

17 HOW TO ORDER

Send an enquiry with the six details below and you will receive a firm quotation with price, lead time and validity - usually within one working day.

#	Tell us	Example
1	Product and type	Weld neck flange, ASME B16.5
2	Material grade	ASTM A105 / SS 316L
3	Size and schedule / class	6 in Class 150 RF / Sch 40
4	Quantity	150 nos
5	Destination port and Incoterm	Jebel Ali - CIF
6	Any extras	RTJ facing, third-party inspection, marking

Enquiries: sales@viktech.co.in | +91 76780 70276 (phone / WhatsApp) | www.viktech.co.in/get-a-quote

18 GLOSSARY & PRODUCT INDEX

Glossary of common terms

Term	Meaning
ASME / ASTM	American standards for design (ASME) and materials (ASTM)
BW / SW / THD	Butt weld / socket weld / threaded connections
NPS / DN	Nominal pipe size (inch) / diametre nominal (metric)
Class / PN	Pressure class designations (ASME) / nominal pressure (EN)
Sch	Pipe wall schedule per ASME B36.10M
RF / FF / RTJ	Raised face / flat face / ring type joint flange facings
WN / SO / BL / LJ	Weld neck / slip-on / blind / lap joint flange types
LR / SR	Long radius (R = 1.5D) / short radius (R = 1D) elbows
NPT / BSP	American / British pipe threads
MTC / TPI	Material test certificate / third-party inspection
MTC EN 10204 3.1	Certificate issued by the manufacturer's own inspection department

Product index

Product	Section	Product	Section
Anchor bolts & U-bolts	11	Gaskets - all types	10
Ball valves	09	Gate valves	09
Blind flanges	06	Globe valves	09
Butterfly valves	09	H-beam clamps & circlips	11
Butt-weld elbows, tees, reducers	07	Lap joint flanges & stub ends	06
Caps, plugs and closures	07 / 08	Long weld neck flanges	06
Check / non-return valves	09	Mechanical & industrial seals	10
Control & needle valves	09	Orifice flange assemblies	06
Crosses (BW & forged)	07 / 08	Plate / flat flanges	06
Fasteners - ASTM grade bolting	11	Safety & relief valves	09
Flow meters	09	Socket weld & threaded fittings	08
Forged unions & couplings	08	Spectacle blinds	06
Grooved firefighting components	04	Spiral wound & RTJ gaskets	10
Weld neck / slip-on flanges	06	Washers, screws & rivets	11

19 FREQUENTLY ASKED QUESTIONS

The questions overseas buyers ask most often, answered. For anything not covered here, write to sales@viktech.co.in - a real person replies, normally the same working day.

Question	Answer
What is your minimum order quantity?	There is no fixed MOQ. We supply single replacement items as well as full project consignments, and we consolidate mixed products into one shipment.
What are your lead times?	Stock items (500+ lines) typically dispatch in 3-7 days. Made-to-order and custom-fabricated items carry a firm lead time on the quotation.
Do you provide material test certificates?	Yes - an EN 10204 3.1 MTC with heat traceability accompanies every order, plus third-party inspection reports where you nominate the agency.
Can you manufacture to my drawing?	Yes. Send the drawing or datasheet and we quote to it - including threading, beveling, polishing and custom coating.
Which standards do you work to?	ASME, ASTM, DIN, EN and IS. If your project cites another national standard, ask - we source to it regularly through our vetted manufacturing partners.
What are your payment terms?	Advance payment, letter of credit or documentary collection - agreed order by order and stated on the proforma invoice.
How do you ship export orders?	Sea freight (FCL / LCL) via Nhava Sheva or air freight via Mumbai for urgent items. We quote EXW, FOB, CFR and CIF.
What documents come with an export shipment?	Commercial invoice, packing list, bill of lading or airway bill, certificate of origin, MTC and any TPI reports - plus destination-specific certificates on request.
Do you handle project packaging and marking?	Yes - sea-worthy packing, project tags, PO numbers and destination marking to your specification are standard options on export orders.

Question	Answer
Can you also execute site work?	Yes - pipeline erection, hydro testing, commissioning and shutdown maintenance scopes across India; see section 14.

More questions

Question	Answer
Where do I find your GST / registration details?	GST 27BNJPV4170K1ZD, MSME / Udyam registered and ISO certified - certificates are available with any quotation on request.
Do you offer a printed catalogue in other languages?	This catalogue is issued in English; buyer-specific versions can be arranged for large projects.

20 ENQUIRY FORM

Print this page, fill it in and email a scan or photo to sales@viktech.co.in - or simply send the same details as plain text. A firm quotation with price, lead time and validity follows normally within one working day.

Field	Details
Company / Buyer	
Contact person & role	
Email / phone / WhatsApp	
Delivery destination (port / site)	
Preferred Incoterm	EXW / FOB Nhava Sheva / CFR / CIF

Item enquiry

#	Product & type	Material grade	Size / class / schedule	Qty	Notes
1					
2					
3					
4					
5					
6					
7					

The catalogue's technical tables (sections 6-13) give you ready-made wording for the grade and class columns.

Send the completed form to

Email	Phone / WhatsApp	Web
sales@viktech.co.in info@viktech.co.in	+91 76780 70276 +91 93246 06411	www.viktech.co.in Online quote: www.viktech.co.in/get-a-quote

LET'S BUILD THE CONNECTION.

Send your enquiry list and destination - a firm quotation with price, lead time and documentation follows within one working day.

VIKTECH FITTINGS

Authorised Supplier & Exporter - Industrial Pipe Fittings & Flanges

sales@viktech.co.in | info@viktech.co.in

+91 76780 70276 | +91 93246 06411 (phone / WhatsApp)

Head Office - Mumbai

Shop No. 09, Siddhivinayak Society, Shere E Panjab Road,
Chakala MIDC, Andheri East, Mumbai, Maharashtra 400093, India

Branch Office - Varanasi

Ramnagar Chauk, Ramnagar Industrial Area,
Varanasi, Uttar Pradesh 221008, India

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