



# POWER ENGINEERING EQUIPMENTS

Precision · Strength · Reliability

Comprehensive Solutions in

Fasteners

Pipes & Fittings

Flanges

Valves

Hydraulic Fittings

Hoses

Machined Components

Fabrication

Serving Power & Industrial Sectors

[www.powerengglobal.com](http://www.powerengglobal.com)

Edition 2026

Secunderabad | Telangana | India



# Who We Are

Power Engineering Equipments is an industrial-component supplier and manufacturing partner headquartered in Secunderabad, Telangana, India. We combine manufacturing support, global sourcing and engineered supply into a single accountable channel for the fasteners, piping, flanges, valves, hydraulic hardware, hoses and precision-machined parts that keep process plants running.

- Serving power generation, oil & gas, petrochemical, chemical processing, water treatment and heavy-engineering sectors.
- Standard catalogue items and project-specific materials supplied against drawings, bills of material and customer specifications.
- Critical items manufactured to recognised international standards, inspected to documented procedures and supplied with material and batch traceability.



**RANGE**

500+ SKUs

**RESPONSE**

24 hr Inquiry

**SYSTEM**

ISO 9001:2015

**NETWORK**

PAN India

## Quality Standards

ISO 9001:2015 | ASME | ASTM | DIN | BS | IS | GOST | Customer Specified

Supply and manufacturing support aligned with recognised international standards and customer-specified project requirements.



# A Complete Procurement Range

## Eight Integrated Product Streams

### 01 FASTENERS

High-strength fastening systems for turbine, structural, piping and machinery applications.

### 02 PIPES & FITTINGS

Seamless, welded and forged connection products for process-plant and utility lines.

### 03 FLANGES

ASME pressure-class flanges for refinery, pipeline, power and heavy-engineering service.

### 04 VALVES

Flow-control valves for isolation, regulation and non-return duty.

### 05 HYDRAULIC FITTINGS

Precision adapters and connection hardware for high-pressure hydraulic systems.

### 06 HOSES

Hydraulic and industrial hose assemblies supplied loose or with crimped fittings.

### 07 MACHINED COMPONENTS

Shafts, pins, bushings, sleeves, stems, brackets.

### 08 FABRICATION

Pipe spools, skids, structures and engineered sub-assemblies.

Send drawings, BoM, grade requirements, pressure class, end-connection details and quantity for pricing and lead-time confirmation.



04 FASTENERS & THREADED COMPONENTS

# 1. FASTENERS

**Types:** Bolts (Hex, Eye, U-Bolt, Allen), Screws, Nuts (Hex, Lock, Wing), Washers, Studs, Threaded Rods

**Materials:** Carbon Steel, Alloy Steel, Stainless Steel, Inconel, Monel, Brass

**Grades:** 4.6, 8.8, 10.9, 12.9, B7, B7M, B16, L7, B8/B8M, 304, 316, 601, 718

**Finishes:** Plain/Black, Zinc Plated, Hot Dip Galvanized, Geomet/Dacromet, PTFE/Xylan, Phosphating

**Standards:** ISO 898-1, ISO 4014/4017, DIN 931/933/912, ASTM A193/A194, IS 1367/5624

**Applications:** Turbine Casings, Pipe Supports, Structural Joints

**Technical Highlights**

- Metric and imperial supply: M2-M64 / 1/4 in-2.1/2 in
- Property classes 4.6-12.9 and ASTM B7/B7M/B16
- MTC and batch traceability on request



## Procurement Reference

CODE	ITEM	TECHNICAL SCOPE
FN-HHB	Hex Head Bolts	M6-M64   1/4 in-2.1/2 in   4.6, 8.8, 10.9, 12.9, A2-70, A4-80
FN-STB	Stud Bolts / Threaded Rods	M6-M48, any length   ASTM A193 B7, B7M, B16, B8, B8M
FN-ABL	Anchor / Foundation Bolts	M12-M56, custom length   IS 5624, ASTM F1554, CS + HDG
FN-SHC	Socket Head Cap Screws	M3-M30   DIN 912 / ISO 4762   12.9 alloy steel, A2, A4
FN-UBL	U-Bolts / Pipe Clamps	1/2 in-16 in NB   CS + HDG, SS304, SS316   MSS-SP-58 compatible



# Critical Joint Hardware



## Common Supply Forms

ITEM	SPECIFICATION	USE
Hex / Allen Bolts	M6-M64, high-tensile and stainless grades	Structural joints, machine mounting
Stud Bolts	ASTM A193 B7, B16, B8M with heavy hex nuts	Flanged joints, high pressure service
U-Bolts	Custom radius and pipe support profiles	Pipe supports, clamps, plant utilities
Nuts & Washers	Hex, lock, wing, plain, spring, star	Load distribution and anti-loosening
Threaded Rods	Custom length, plated or plain finish	Anchoring, hangers, supports



# 2. PIPES & FITTINGS

**Pipes:** Seamless and welded (ERW, SAW), size range 1/2 in to 48 in

**Fittings:** Elbows 45/90/180°, tees, reducers, caps, stub ends, couplings, unions, nipples, olets

**Materials:** CS A106 Gr B / A234 WPB, SS 304/316L, alloy P11/P22, duplex, CuNi, A105/A182 forged

**Standards:** ASME B16.9, B16.11, MSS-SP-97, ASTM A733

**End Connections:** Beveled butt-weld, threaded, socket-weld and grooved

**Applications:** Process piping, steam, cooling-water circuits, utility lines and supports

### Technical Highlights

- Butt-weld and socket-weld supply: 1/8 in-48 in NB
- Carbon steel, stainless, low-alloy and CuNi grades
- Heat traceability and end-preparation control

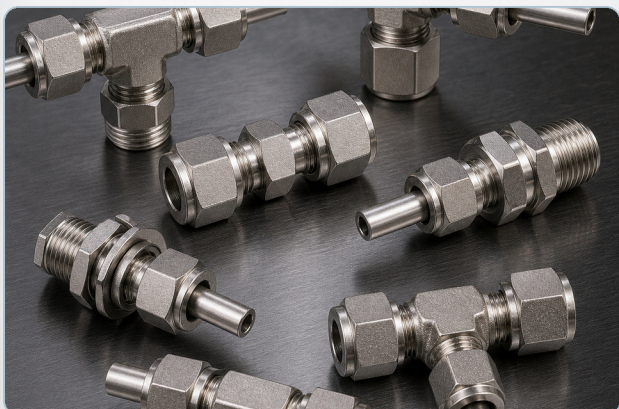


## Procurement Reference

CODE	ITEM	TECHNICAL SCOPE
PF-ELB-90	90 Deg Elbow LR/SR	1/2 in-48 in NB   ASME B16.9 / B16.11
PF-TEE-EQ	Equal / Reducing Tee	1/2 in-48 in NB   ASME B16.9 / B16.11
PF-RED-CR	Concentric / Eccentric Reducer	1/2 x 1/4 in to 48 x 36 in   ASME B16.9
PF-CPL-FC	Full / Half / Reducing Coupling	1/8 in-4 in NB   forged   ASME B16.11
PF-OLT-WOL	Weld / Socket / Thread Olets	1/2 in-24 in run   MSS-SP-97



# High-Integrity Compression Fittings



## Compression Tube Fittings

- Twin-ferrule compression fittings for instrumentation lines, hydraulic circuits and high-integrity process connections.
- Leak-tight, vibration-resistant sealing on OD tubing from 1/8 in to 1 in and 3 mm to 25 mm.
- SS316 and brass bodies with NPT, BSP, compression and manifold patterns.
- Service envelopes available up to 10,000 psi and -50 C to +200 C, subject to item and material.

## Instrumentation Range

CODE	ITEM	TECHNICAL SCOPE
TF-STR	Straights, unions, connectors	Male/female NPT and BSP, bulkheads, reducing unions
TF-ELB	Elbows, tees, crosses	90 Deg and 45 Deg tube elbows, union tees, branch tees
TF-VLV	Needle and ball valves	2-way / 3-way valves, gauge root valves, PTFE / PEEK / metal seats
TF-MNF	Instrument manifolds	2-valve, 3-valve, 5-valve, direct and remote mount patterns
TF-GAU	Gauge accessories	Adaptors, snubbers, bleed valves and transmitter hook-up hardware

## Typical Technical Inputs

- Tube OD, wall thickness and material.
- Thread standard: NPT, BSP, metric or compression.
- Pressure, temperature, media and seat material requirements.
- Panel, manifold or direct-mount installation details.



# 3. FLANGES

**Types:** Weld Neck, Slip-On, Blind, Socket Weld, Lap Joint, Threaded, Spectacle Blind, Orifice

**Pressure Classes:** 150#, 300#, 600#, 900#, 1500#, 2500#

**Facing:** Raised Face (RF), Flat Face (FF), Ring Type Joint (RTJ)

**Materials:** Carbon Steel A105, SS304/316L A182, Duplex, Super Duplex, Hastelloy

**Standards:** ASME B16.5, B16.47, B16.36 for orifice flanges

**Applications:** Pipeline, refinery connections, vessel nozzles, pump and valve interfaces

### Technical Highlights

- Classes 150# through 2500#
- RF, FF and RTJ facings to project specification
- Large-diameter and orifice flange support



## Procurement Reference

CODE	ITEM	TECHNICAL SCOPE
FL-WN	Weld Neck WNRF	150#-2500#   RF, RTJ, FF   high-integrity welded service
FL-SO	Slip-On SORF	150#-600#   RF, FF   utility and low-pressure connections
FL-BL	Blind BLRF	150#-2500#   RF, RTJ, FF   line isolation / closures
FL-SW	Socket Weld SWRF	150#-2500#   RF   small-bore high-pressure lines
FL-ORF	Orifice Flanges	Project basis   ASME B16.36   flow measurement assemblies



# 4. VALVES

**Types:** Gate, Globe, Check, Ball, Butterfly, Needle, Plug

**Ends:** Flanged, Threaded, Butt-Weld, Socket-Weld, Wafer, Lug

**Materials:** Cast/Forged Carbon Steel, SS304/316, Bronze, Monel

**Operators:** Handwheel, Gear, Pneumatic Actuator, Electric Actuator

**Standards:** API 6D, API 602, BS 5351, ASME B16.34

**Applications:** Isolation, regulation and non-return duty in process, utility and hydraulic lines

### Technical Highlights

- Manual and actuated valves
- Cast and forged body options
- Valve test and pressure documentation available



## Procurement Reference

CODE	ITEM	TECHNICAL SCOPE
VL-GTE	Gate Valve	1/2 in-24 in   rising/non-rising stem   flanged, BW, SW, threaded
VL-GLB	Globe Valve	1/2 in-16 in   straight and angle pattern   flanged, BW, SW
VL-CHK	Check Valve	1/2 in-24 in   swing / piston   flanged, BW, wafer
VL-BAL	Ball Valve	1/2 in-24 in   2-pc, 3-pc, trunnion   flanged, threaded, SW
VL-BFL	Butterfly Valve	2 in-48 in   wafer, lugged, double-flanged



# 5. HYDRAULIC FITTINGS

**Types:** Male/Female Adapters, Bulkhead Unions, Banjo Fittings, Metric (BSP, JIC, ORFS, NPT)

**Materials:** Steel with Zinc-Nickel Plating, Stainless Steel

**Pressure Rating:** Up to 6000 PSI, depending on fitting type and configuration

**Sealing:** Cone, O-ring face seal (ORFS), tapered-thread and bonded-seal geometries

**Applications:** Hydraulic Power Units, Injection Moulding Machines, Earthmoving Equipment

### Technical Highlights

- BSP, JIC, ORFS, NPT and metric thread systems
- Zinc-nickel plated steel and stainless construction
- Configured for leak-resistant hydraulic circuits



## Procurement Reference

CODE	ITEM	TECHNICAL SCOPE
HF-ADP	Male / Female Adapters	BSP, JIC, NPT   straight, elbow, tee   up to 6000 PSI
HF-BUL	Bulkhead Unions	Metric / imperial   panel-through connection   steel / SS
HF-BNJ	Banjo Fittings	Custom ports   compact routing   zinc-nickel plated
HF-ORF	ORFS Fittings	Hydraulic lines   O-ring face seal   leak-resistant
HF-JIC	JIC 37 Deg Fittings	Mobile and industrial hydraulics   reusable / crimp supply



# 6. HOSES

**Hydraulic Hoses:** EN 853 (1SN/2SN), EN 856 (4SP/4SH), R13, R15

**Thermoplastic Hoses:** SAE 100R7 / R8

**Industrial Hoses:** Air, Water, Steam, Chemical Transfer

**Size Range:** 1/4" to 2" ID

**Temperature Range:** -40°C to +150°C

**Assemblies:** Fittings Crimped On-Site or Supplied with Reusable Couplings

### Technical Highlights

- EN 853 / EN 856 wire-braid and spiral hose
- SAE 100R7 / R8 thermoplastic hose
- Air, water, steam and chemical transfer supply



## Procurement Reference

CODE	ITEM	TECHNICAL SCOPE
HS-853	EN 853 Hoses	1SN / 2SN   hydraulic service   wire braid
HS-856	EN 856 Hoses	4SP / 4SH   high-pressure spiral lines
HS-R13	R13 / R15 Hoses	Heavy-duty hydraulic impulse applications
HS-R7R8	Thermoplastic Hoses	SAE 100R7 / R8   compact routing
HS-IND	Industrial Hoses	Air / water / steam / chemical transfer   bulk or assembled



# 7. MACHINED COMPONENTS

**Capabilities:** CNC Turning (up to dia 800 mm), VMC Milling, Grinding, Gear Hobbing

**Parts Produced:** Shafts, Pins, Bushings, Sleeves, Valve Stems, Custom Brackets

**Tolerances:** +/-0.005 mm, subject to geometry, process and inspection plan

**Materials:** All Grades of Steel, Stainless Steel, Inconel, Brass, Engineering Plastics

**Inspection:** Dimensional verification with first-article and in-process checks

**Batch Size:** Prototype to High Volume

### Technical Highlights

- Prototype through high-volume production
- Drawing-based manufacturing and inspection
- Steel, stainless, Inconel, brass and engineering plastics

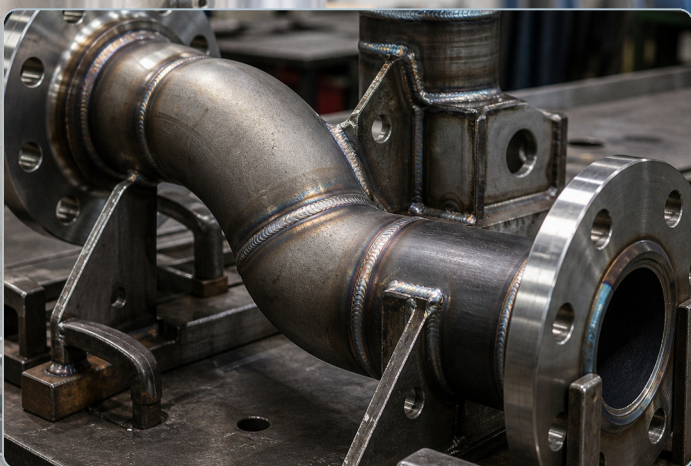


## Procurement Reference

CODE	ITEM	TECHNICAL SCOPE
MC-SHF	Shafts / Pins	CNC turned / ground   +/-0.005 mm available
MC-BSH	Bushings / Sleeves	CS / SS / brass   batch production
MC-VST	Valve Stems	Custom drawings   CNC turned   material traceability
MC-BRK	Custom Brackets	VMC milled   prototype to volume
MC-GRH	Gear / Hobbing Parts	Project basis   inspection plan as specified



# Custom Fabrication



## Fabrication Shop Scope

- Pipe spools and pre-fabricated piping built from isometric drawings with weld maps, NDT reports and coatings as specified.
- Skid-mounted and structural assemblies including pump, metering and dosing skids, pipe racks, platforms and brackets.
- Engineering systems and sub-assemblies from concept drawings to commissioned hardware with procurement support.
- Cutting, bending, forming, welding, NDT and finishing support for project-specific requirements.

## Fabrication Reference

CODE	ASSEMBLY	TECHNICAL SCOPE
FB-SPL	Pipe Spools	SMAW / GTAW / GMAW   hydrotest, weld map, NDT and coating records
FB-SKD	Skid Assemblies	Pump, metering and dosing skids   pre-tested for site installation
FB-STR	Structures	Pipe racks, platforms, ladders, support brackets   IS 800 / IS 2062
FB-ENG	Engineered Systems	Concept to commissioning support   full weld and QA package

**WELDING**  
SMAW | GTAW

**NDT**  
DP | RT | UT

**FINISH**  
Epoxy | PU | HDG

**DOCS**  
Weld + QA Pack



# Tested, Certified, Traceable

## Standards We Supply To

- ISO 9001:2015
- ASME B16.5
- B16.9
- B16.11
- B16.34
- B16.47
- ASTM
- API 6D
- API 602
- DIN
- BS
- IS
- GOST

## Documentation Provided on Request

DOCUMENT	SCOPE
Mill Test Certificate EN 10204 3.1 / 3.2	Material chemistry and mechanical properties
Dimensional Inspection Report	As per applicable ASME / ASTM / DIN / customer drawing
Hydro & Pneumatic Test Report	Valves, flanges and fabricated spools where required
NDT Reports	DP, RT, UT, MPI as required by specification
WPS / Welder Qualification	ASME Section IX format where applicable
Coating / Galvanizing Certificate	Coating thickness, adhesion, finish and passivation records
Packing List & Heat / Batch Traceability	Full lot traceability to raw material and procurement reference

## Inspection & Logistics Mindset

- Confirm governing standard, pressure class, material grade, finish and end connection before procurement.
- Keep documentation requirements visible at quotation stage for faster inspection and dispatch.
- Seaworthy packing, dispatch coordination, shipping documentation and delivery planning are available for domestic and international customers.
- Industries served: power plants, oil & gas, petrochemical, EPC, OEM, infrastructure and heavy engineering.

### CRITICAL ITEMS

Dimensional Check

### MTC

EN 10204 3.1/3.2

### QA SYSTEM

ISO 9001:2015



# Built for Critical Plant Work

## Serving Power & Industrial Sectors

Power Engineering Equipments supports shutdown, maintenance, fabrication, and project teams with components selected for pressure, temperature, corrosion resistance, strength, and installation reliability.

### Power Plants

Turbine casings, pipe supports, valves, fittings, fasteners.

### Oil & Gas

Flanges, valves, hydraulic fittings, pipe connections.

### Petrochemical

Pressure components, stainless and alloy grades.

### Heavy Engineering

Machined parts, custom brackets, structural hardware.

### Water & Utilities

Valves, pipes, fittings, support and maintenance supply.

### Earthmoving & Hydraulics

Hoses, hydraulic adapters, high-pressure circuits.



# POWER ENGINEERING EQUIPMENTS

## Let's Build Together.

Send us your bill of material, drawing or enquiry. Our team will respond with pricing, lead times and technical recommendations for your requirement.

For the fastest, most accurate quotation, include material grade, pressure class, end-connection details, applicable standard and quantity for each line item.

### EMAIL

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Secunderabad, Telangana - 500003, India

### Quotation Checklist

Drawing / BoM | Grade | Size | Pressure Class | End Connection | Finish | Quantity | Required Documents  
Fasteners | Pipes & Fittings | Flanges | Valves | Hydraulic Fittings | Hoses | Machined Components | Fabrication

POWER ENGINEERING EQUIPMENTS | INDUSTRIAL MACHINERY DESIGN & MFG.

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