

Service to Oil, Gas & Petrochemical Industry





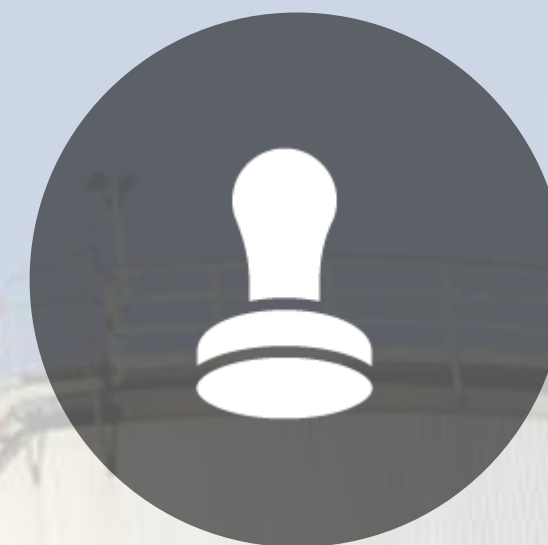
1991



200



ISO 9001:2008,
ISO 14001 : 2004,
OHSAS 18001:2007



ASME "U" Stamp
& "R" Stamp,
IBR, EIL



International
Welding
Engineers





OUR PRODUCTS



Products



**Injection
Quills**



**Corrosion
Coupons**



**Access
Fittings**



**Retractable
Injection
Quill**



**Retrievable
Tool**



**Solid
Plug**



MOC of our Products



UNS NO 6625

UNS NO 8825

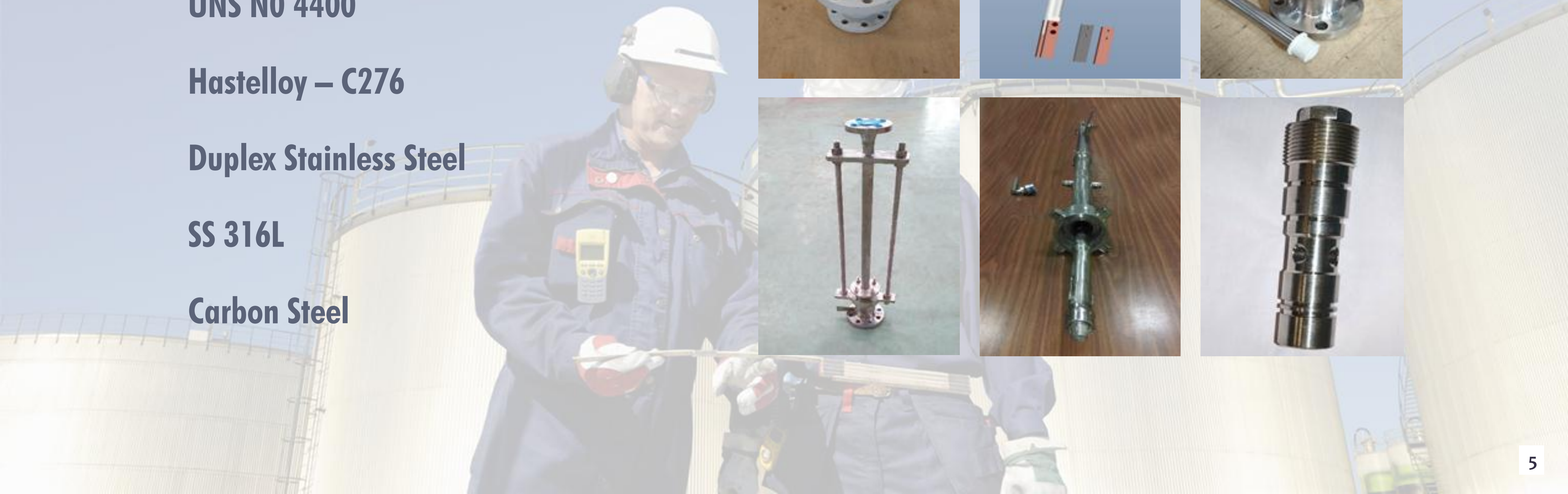
UNS NO 4400

Hastelloy – C276

Duplex Stainless Steel

SS 316L

Carbon Steel



Our Products Range

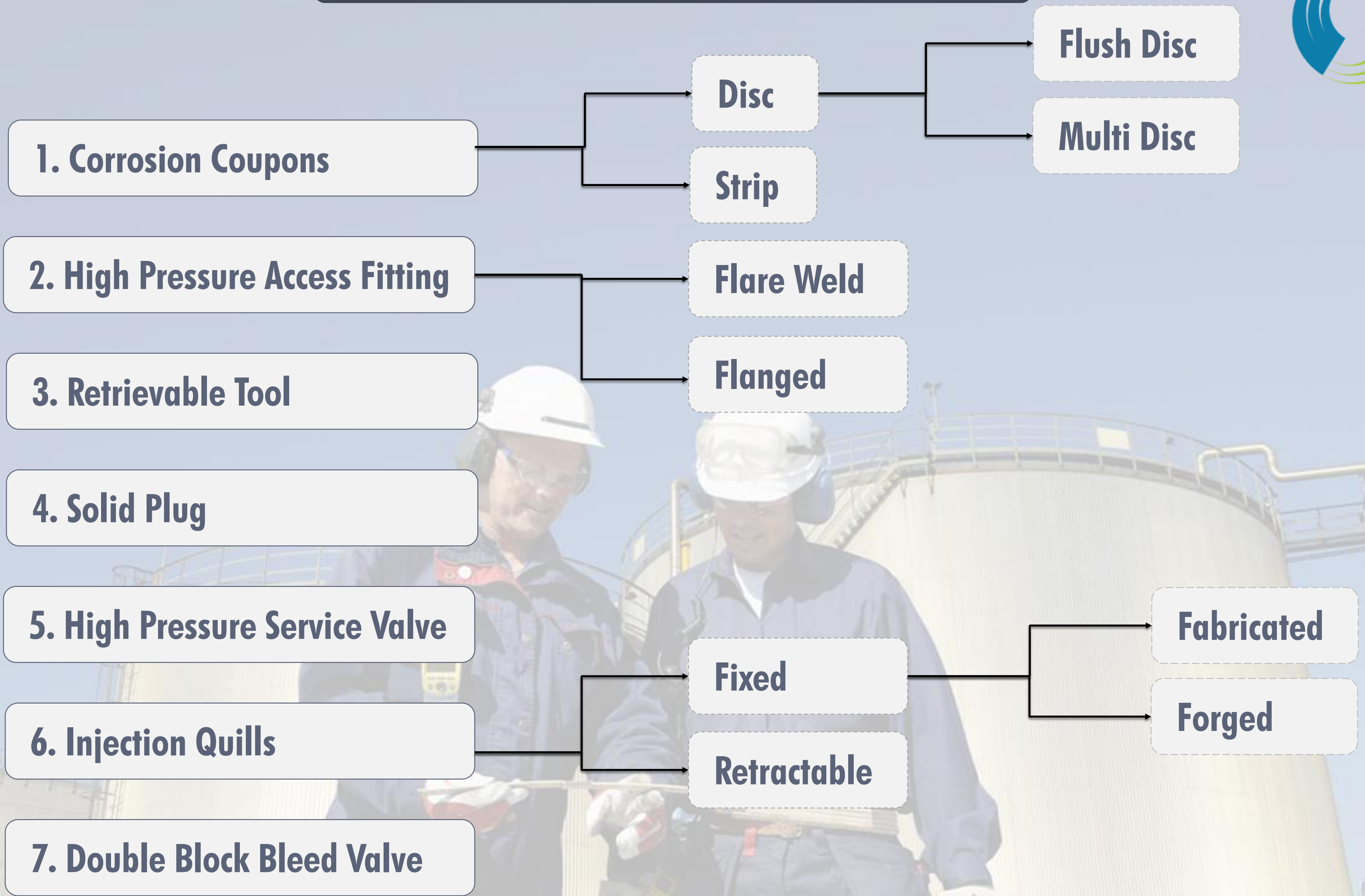


General Pressure
3600 psi

Max Pressure
10000 psi



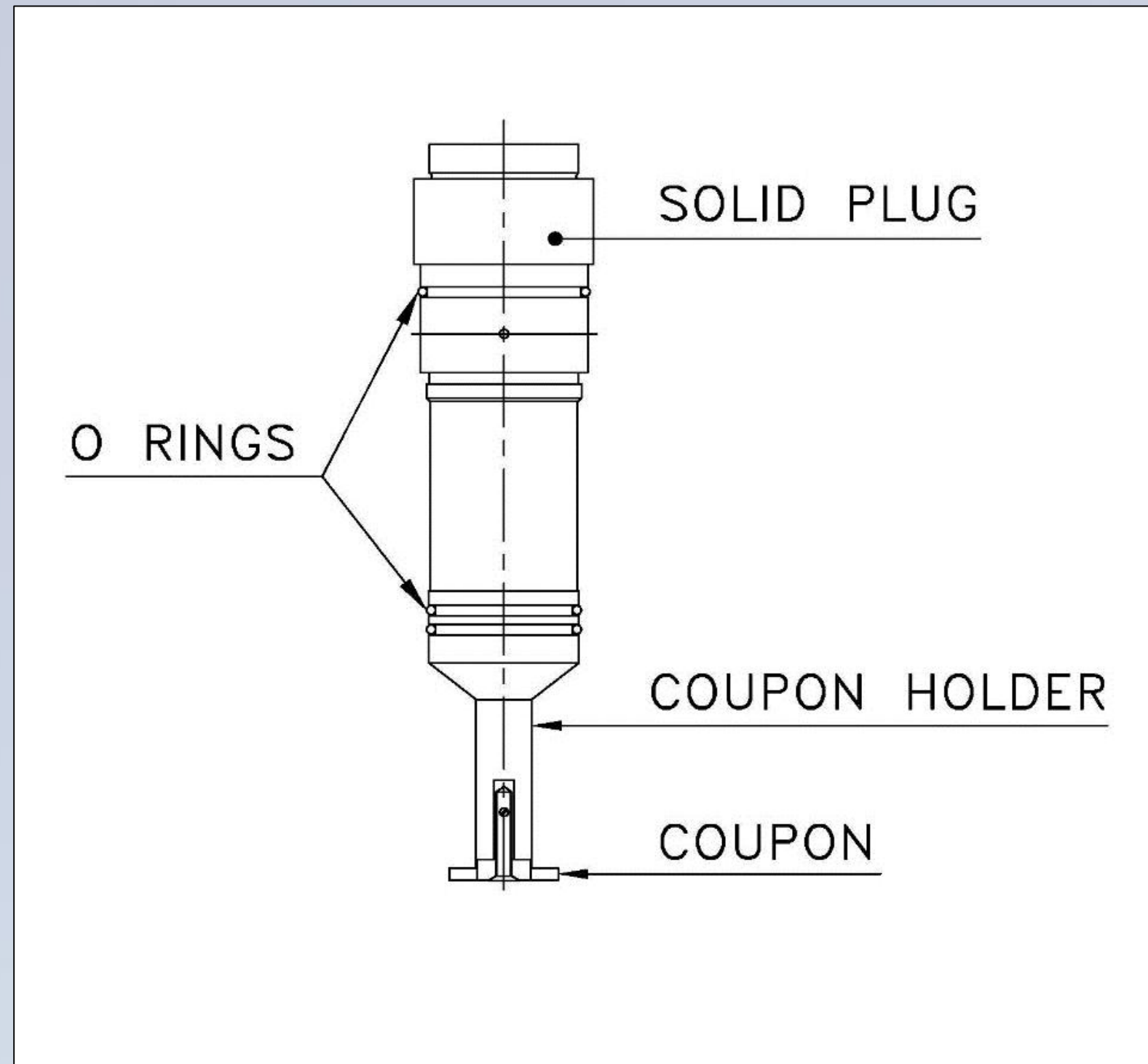
Our Products



1. Corrosion Coupon



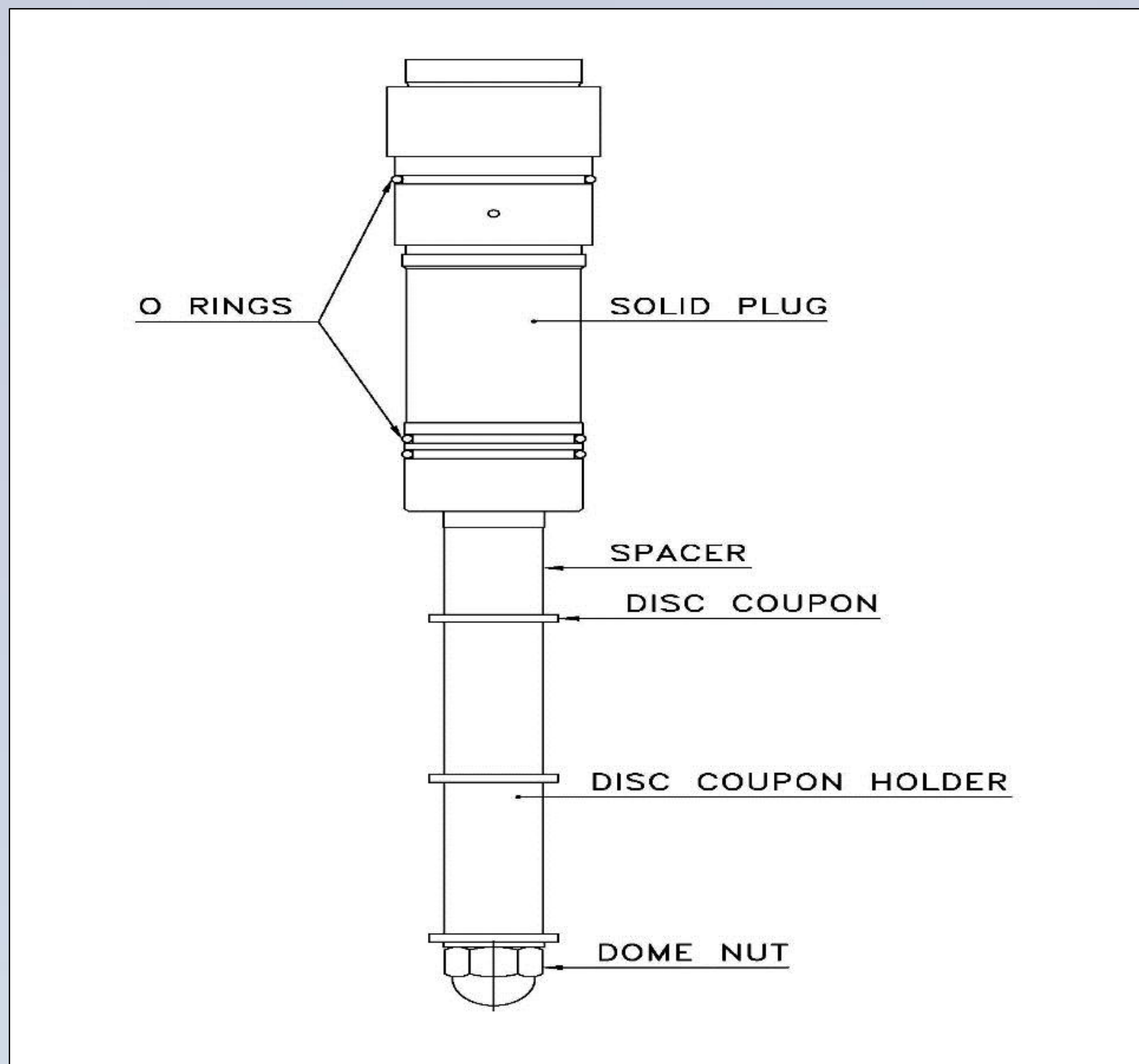
Type-1: Disk Type (Flush Disk)



1. Corrosion Coupon



Type-1: Disk Type (Multi Disk)



1. Corrosion Coupon



Type-1: Disk Type

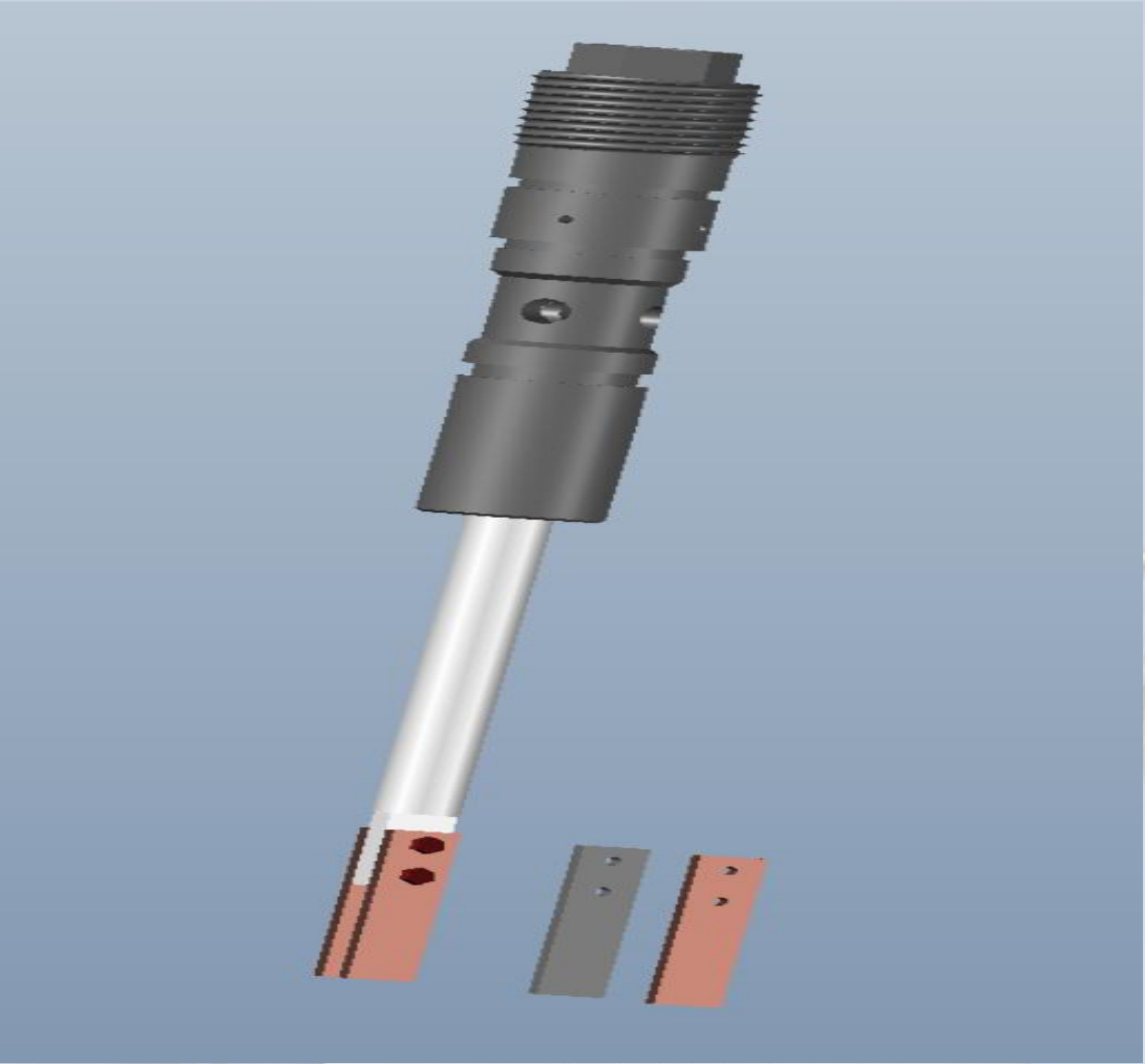
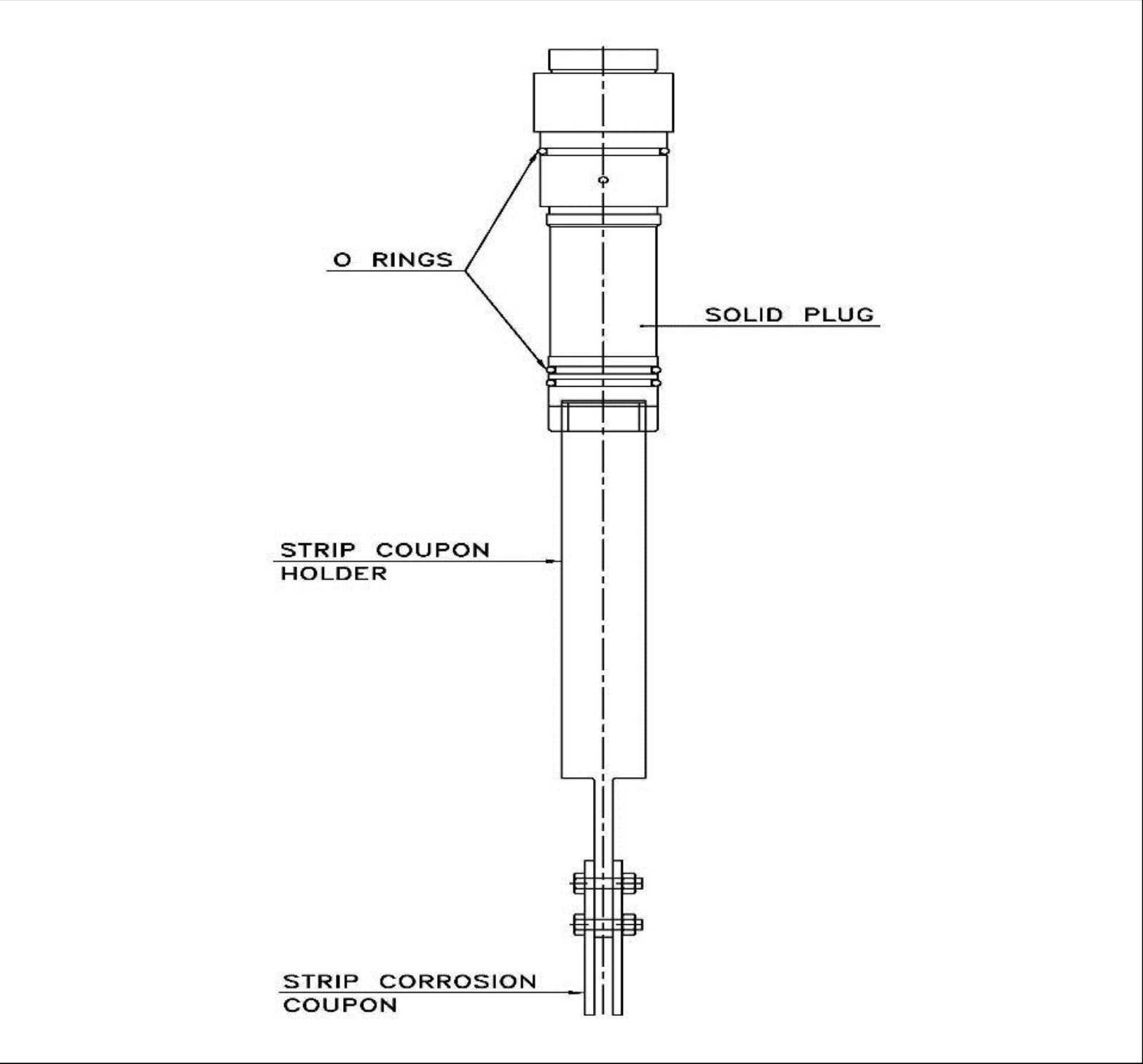
- Piece of metal of predetermined shape, size & surface area.
- Metal of similar chemical composition to process equipment.
- Uniform reproducible surface finish.
- Distinguishing serial number.
- Exposed to the same corrosive medium as the process facilities.



1. Corrosion Coupon



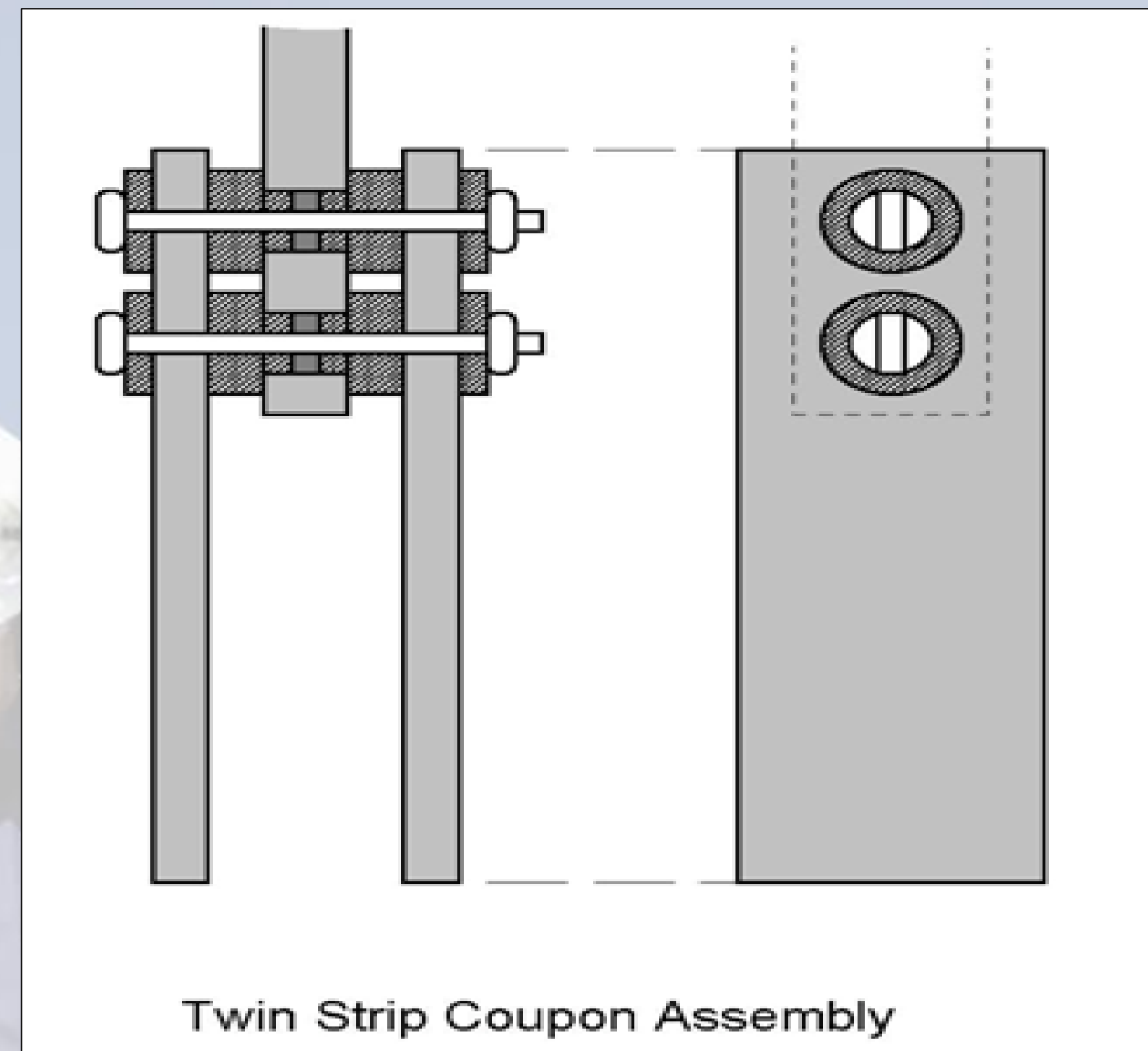
Type-1: Strip Type



1. Corrosion Coupon



Type-1: Strip Type

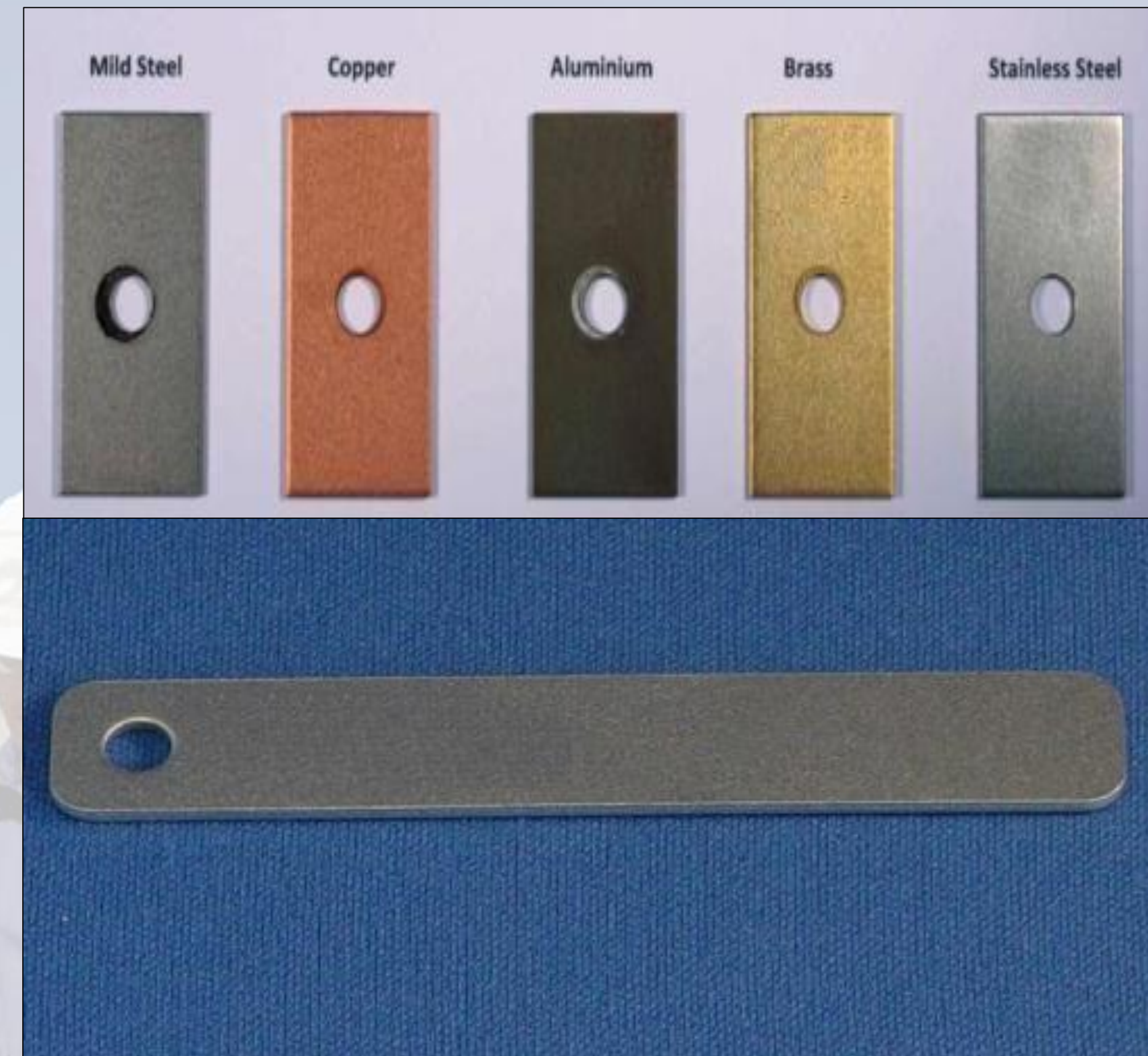


1. Corrosion Coupon



Type-1: Strip Type

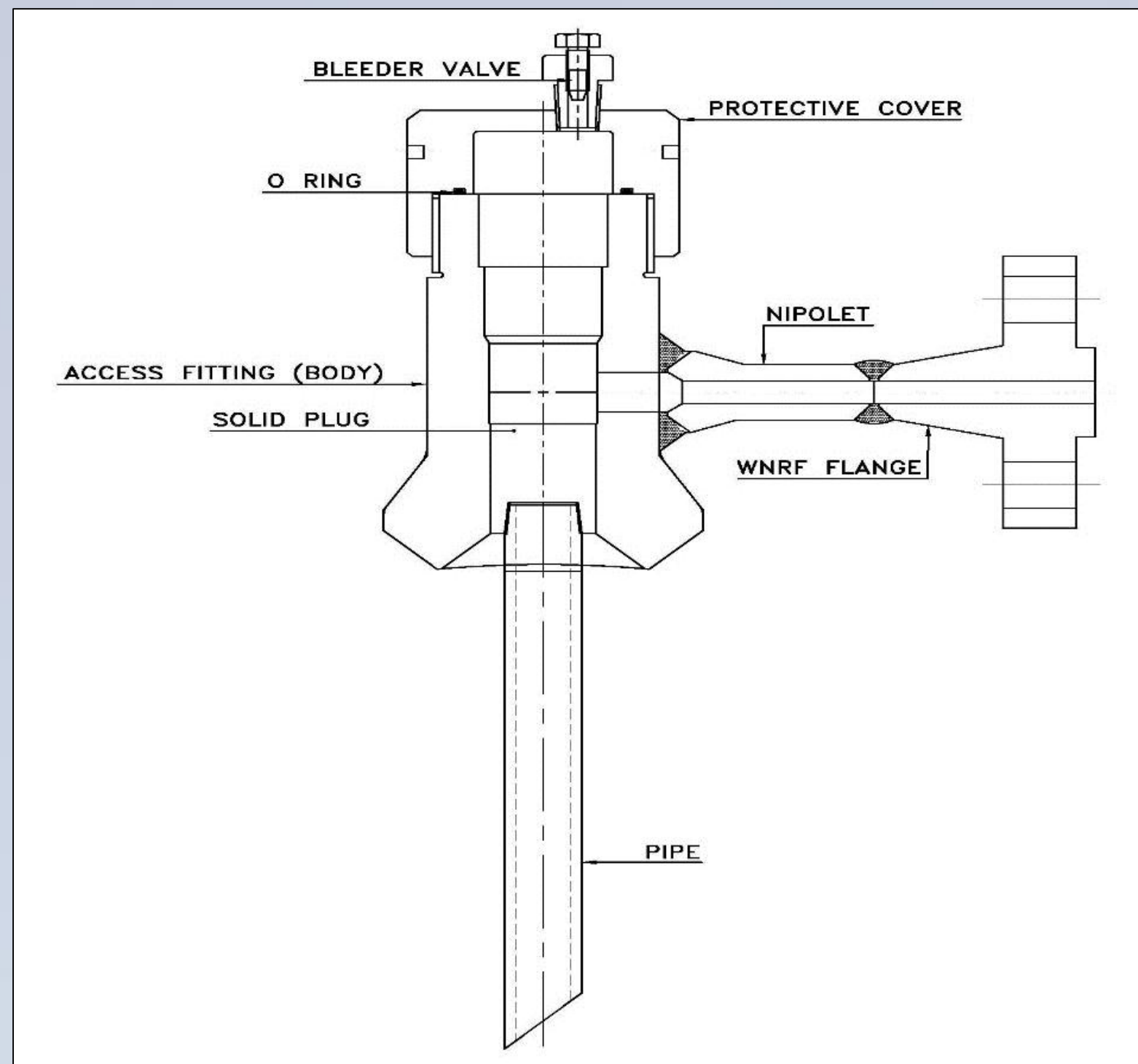
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2. High Pressure Access Fitting



Type-1: Flare Weld



2. High Pressure Access Fitting



Type-1: Flare Weld



2. High Pressure Access Fitting



Type-1: Flare Weld

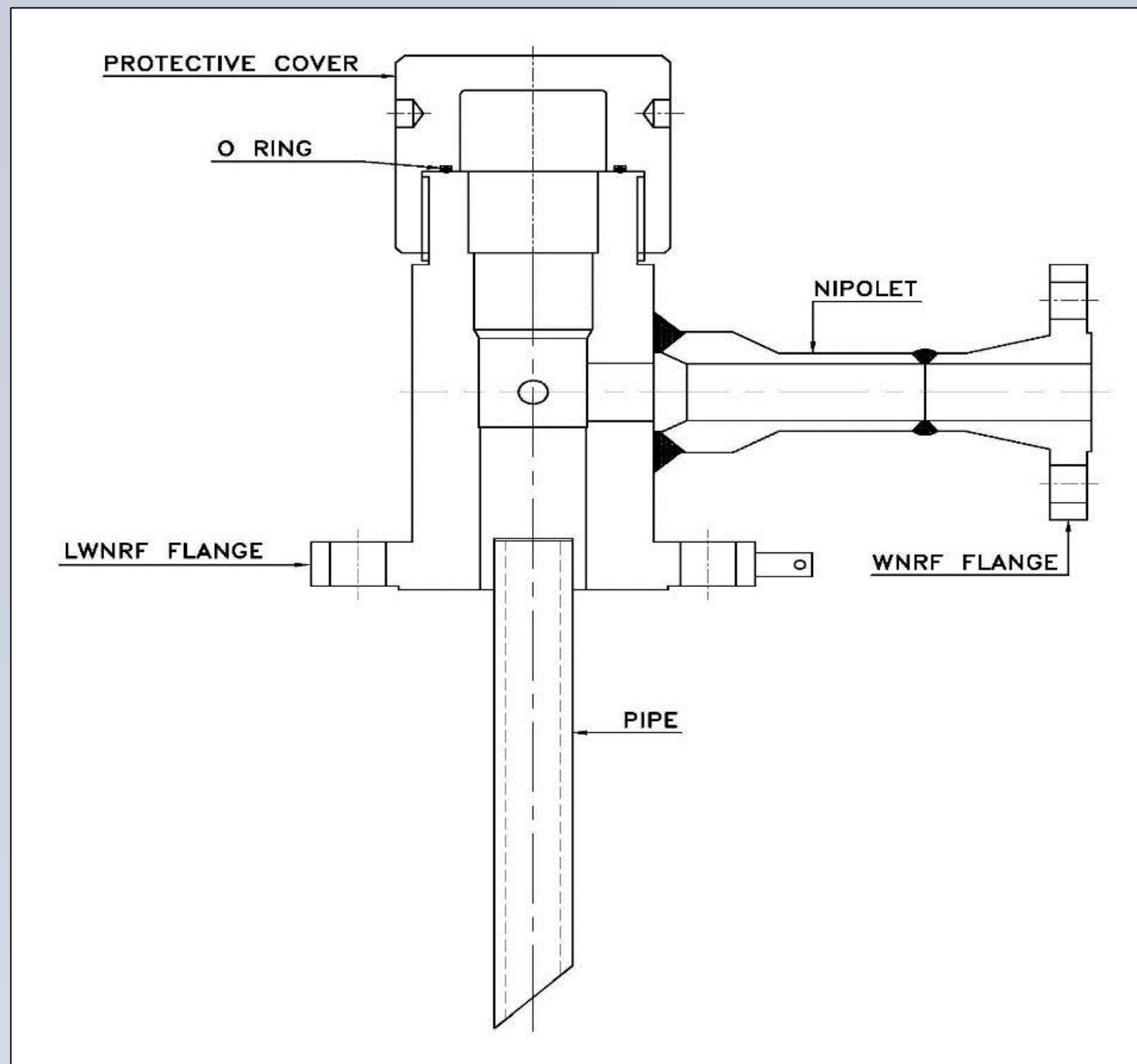
- **Standard Temperature Rating with Viton/Teflon Seals From -15° F (-26° C) Up To +400° F (+204° C)**
- **Available Temperature Rating with Optional Seals From -70°F (-56° C) Up To +450° F (+232° C)**
- **Pressure Rating - 6000 PSI/41.3 MPa Working**
- **Available with ACME Threaded & Severe Service Internal Configurations**
- **Optional NPT, Flanged, Socketweld & Buttweld Tee Connection**



2. High Pressure Access Fitting



Type-2: Flanged



2. High Pressure Access Fitting



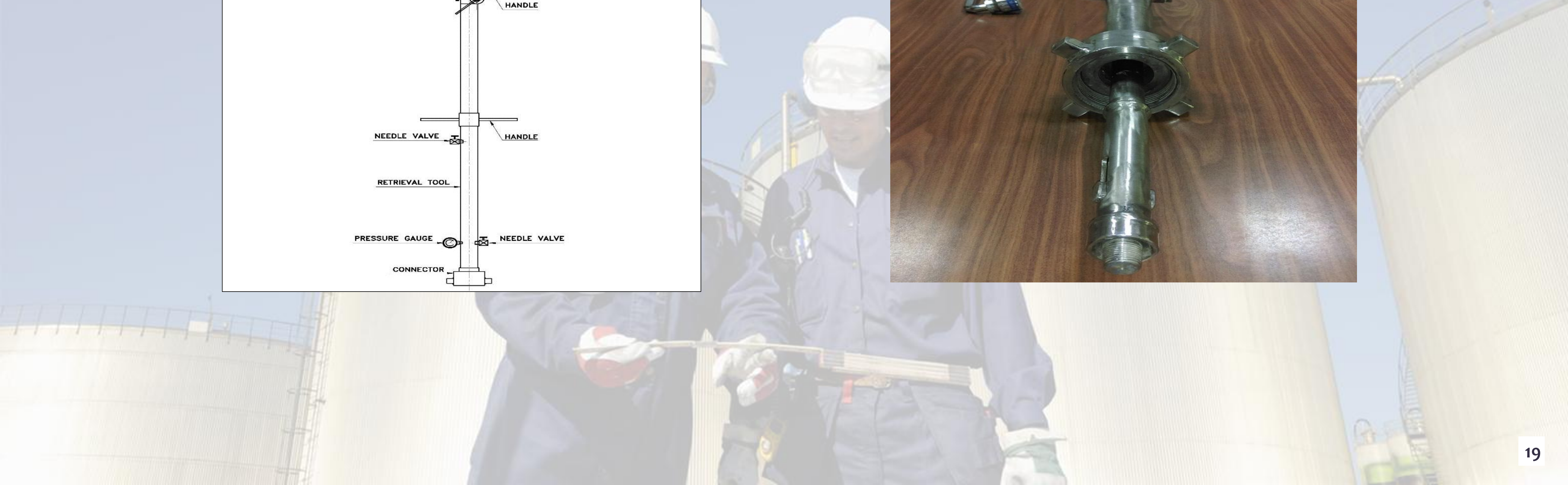
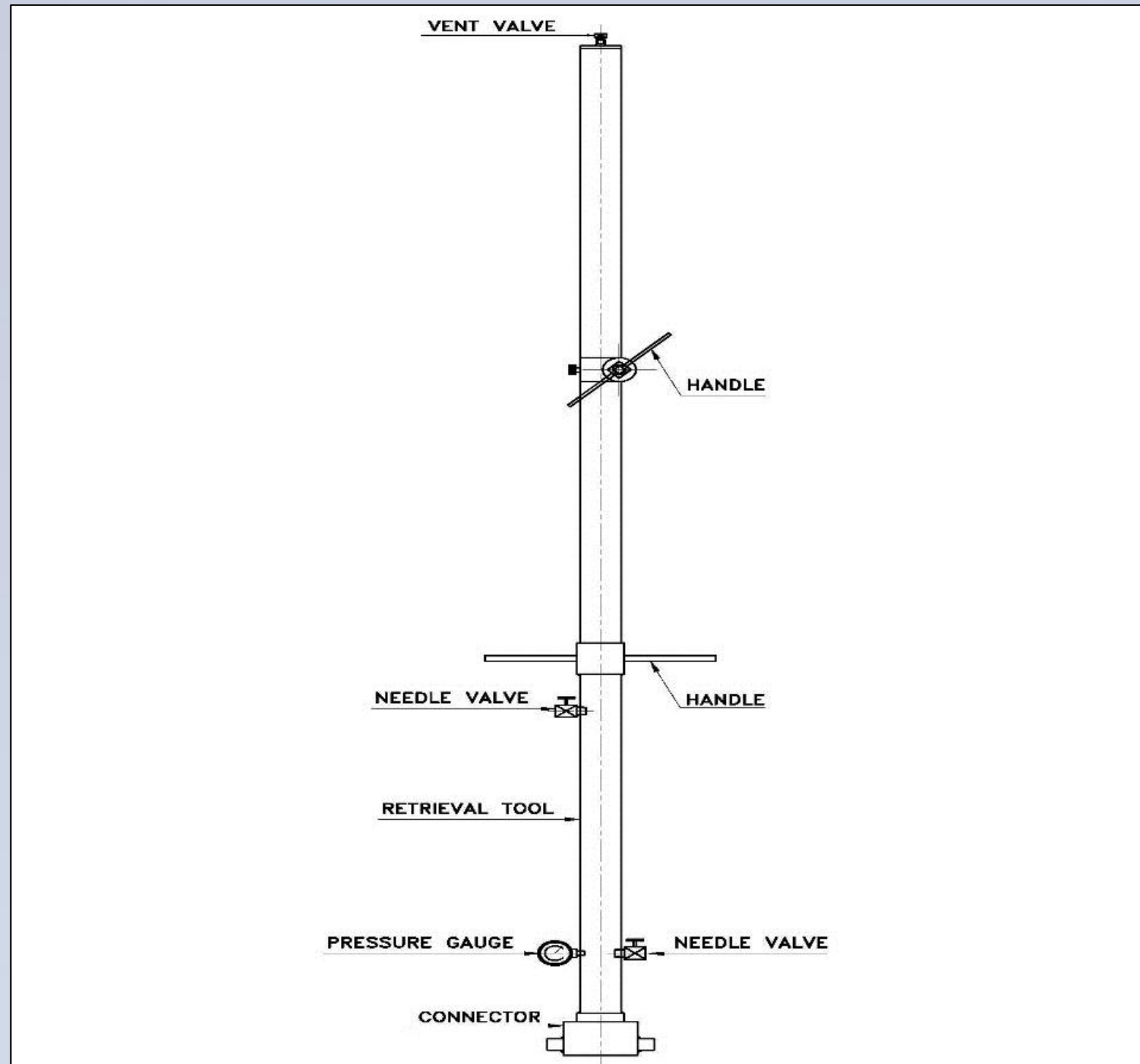
Type-2: Flanged

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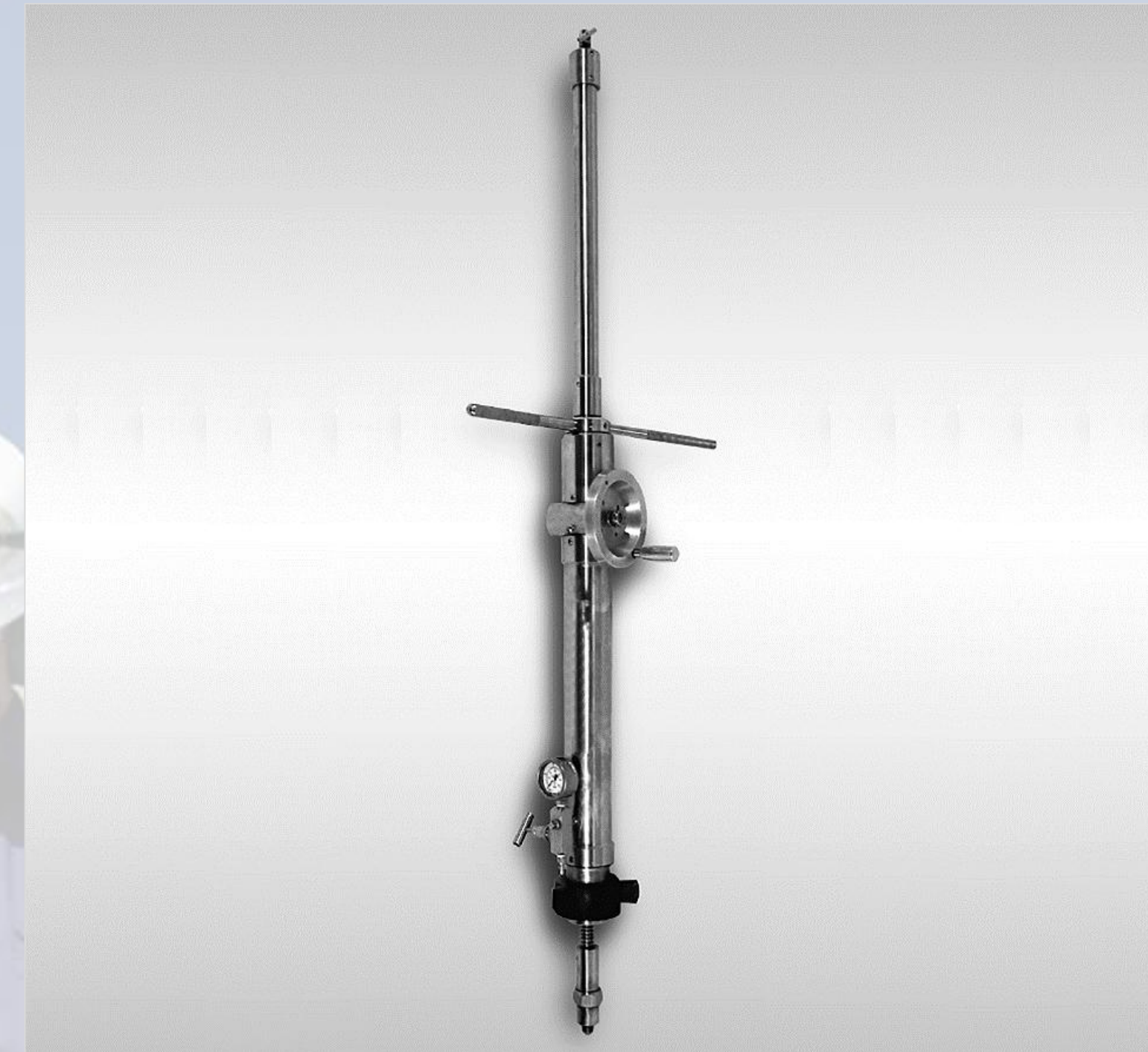
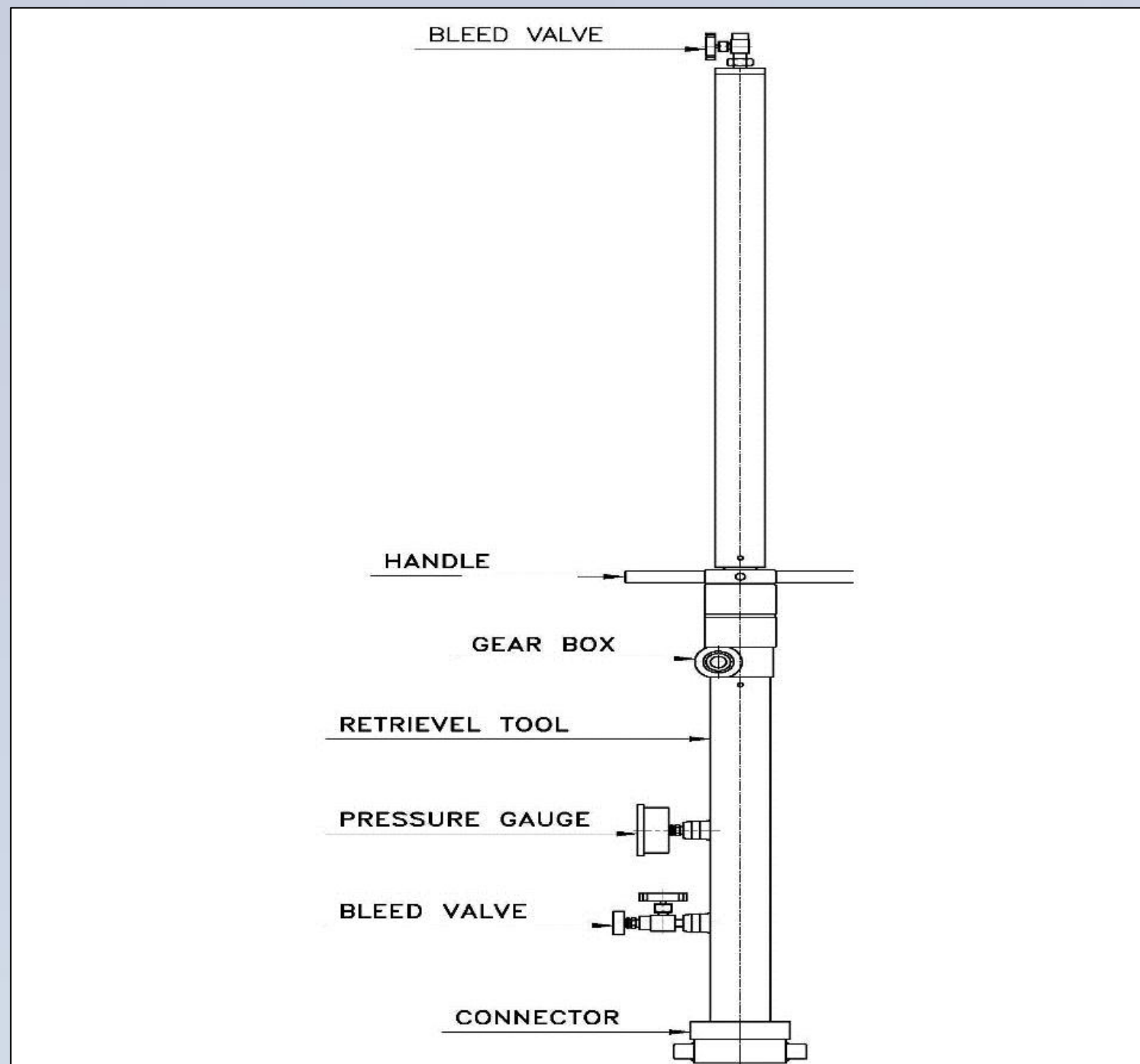


Flanged Side Tee

3. Retrievable Tool (Design-1)



3. Retrievable Tool (Design-2)



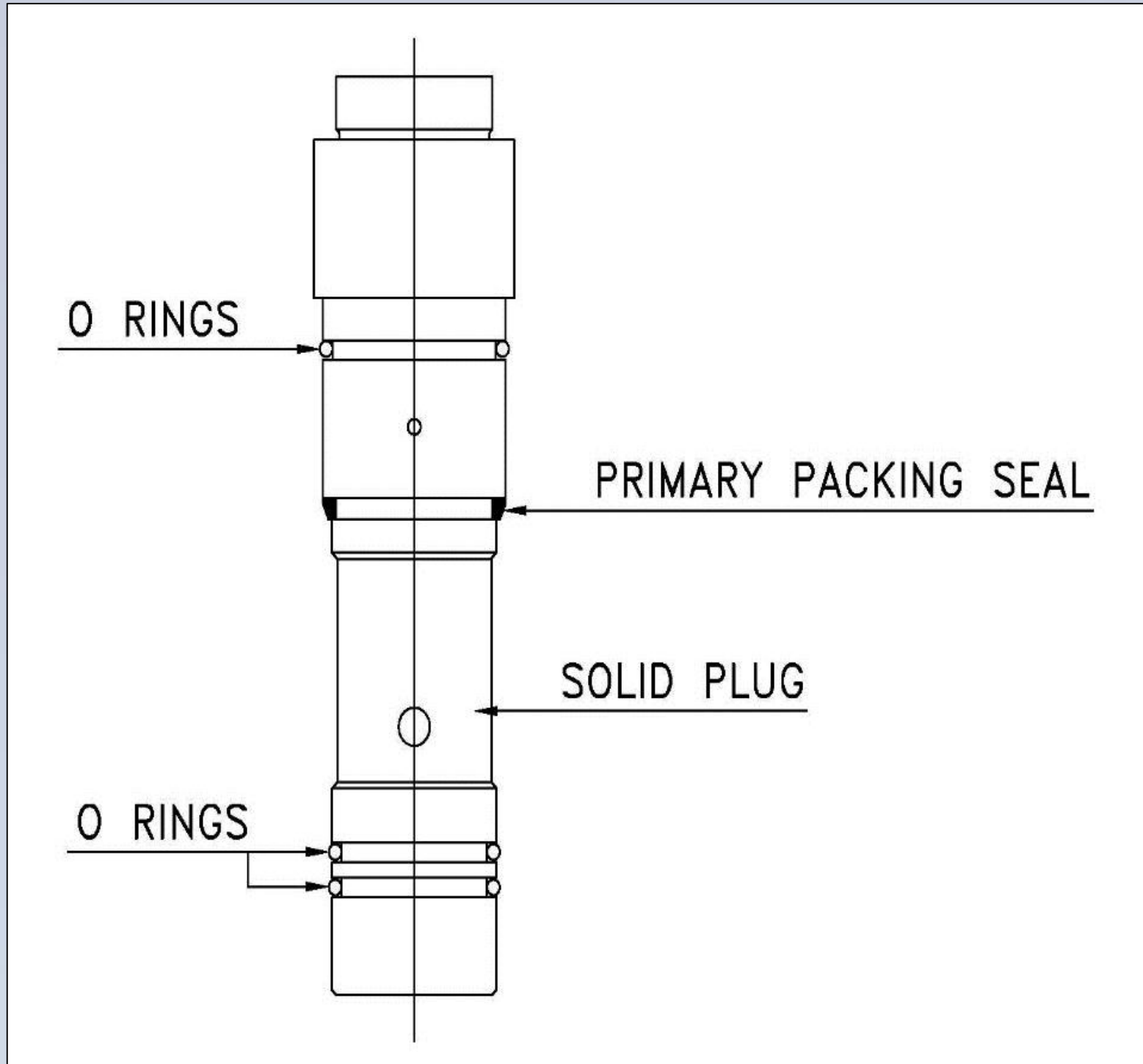
3. Retrievable Tool (Design-2)



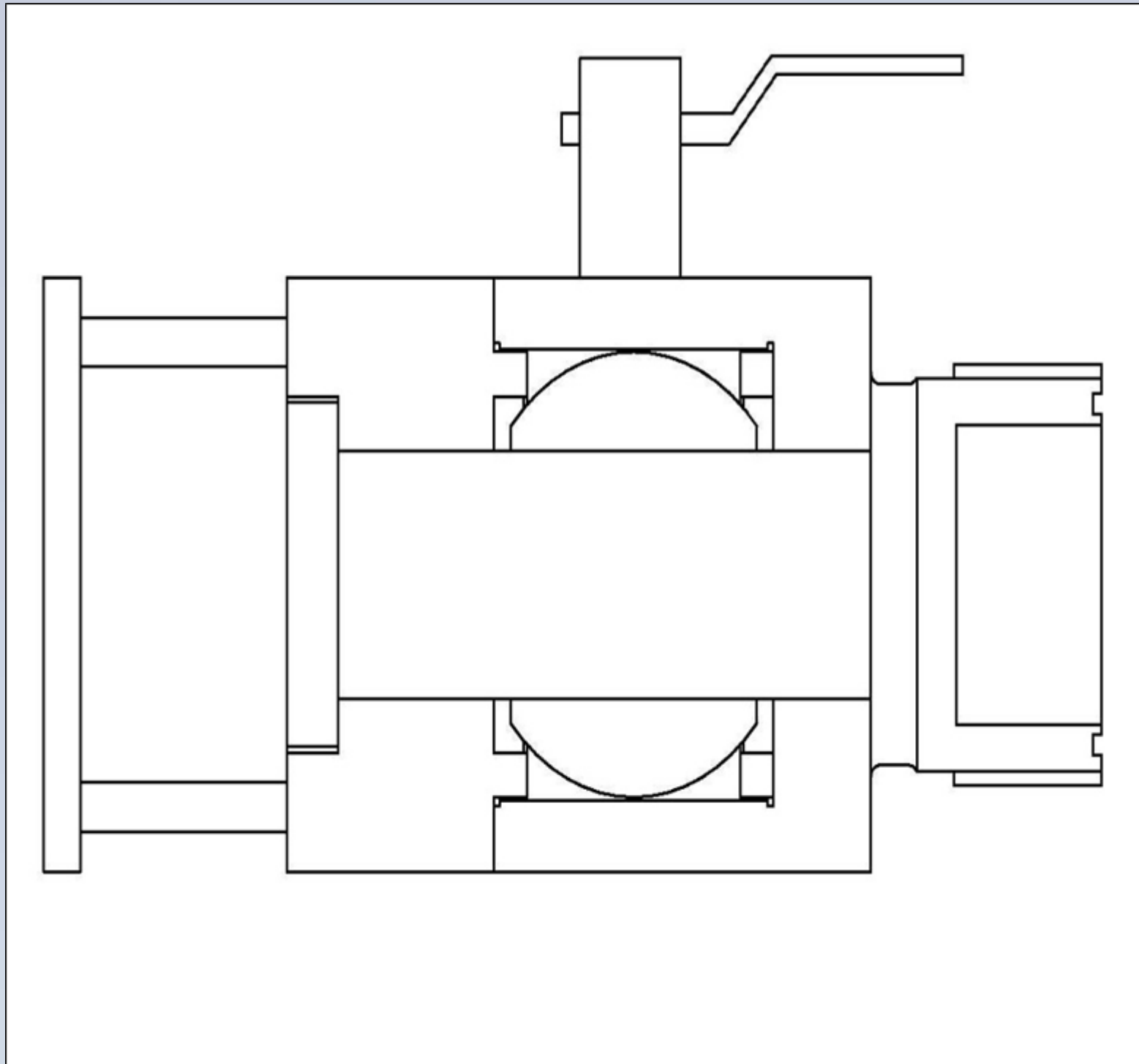
- **Pressure Rating:**
 - **Two Models Available:**
 - 2500 PSI (17.2 MPa)
 - 6000 PSI (41.3 MPa)
- **Temperature Rating:**
 - -15° F - 400° F (-26° C - 204° C)
- **Short Length – Telescoping Design.**
- **Compatible with industry standard access fittings.**
- **Lightweight and easy to use.**



4. Solid Plug



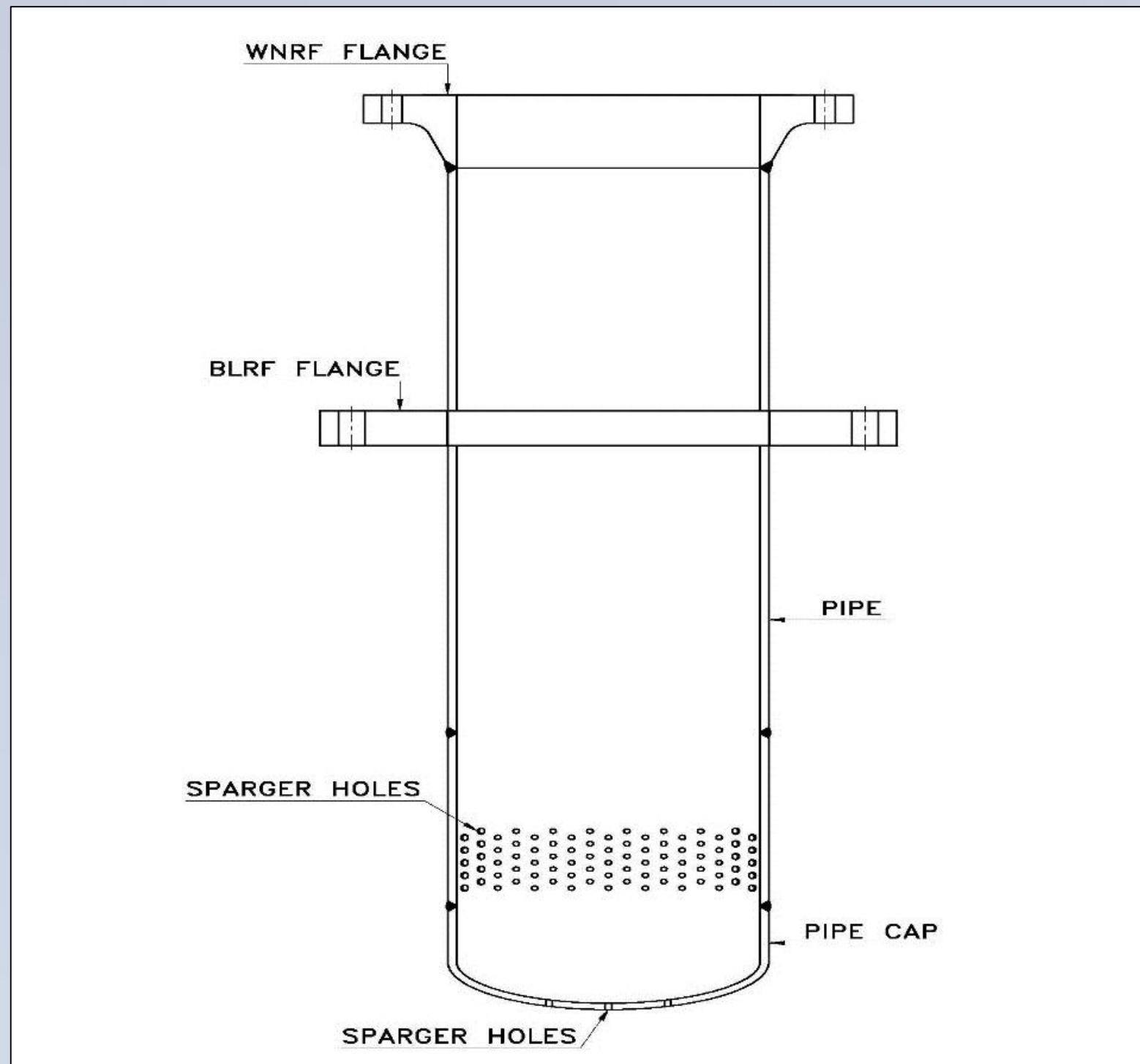
5. High Pressure Service Valve



6. Injection Quill



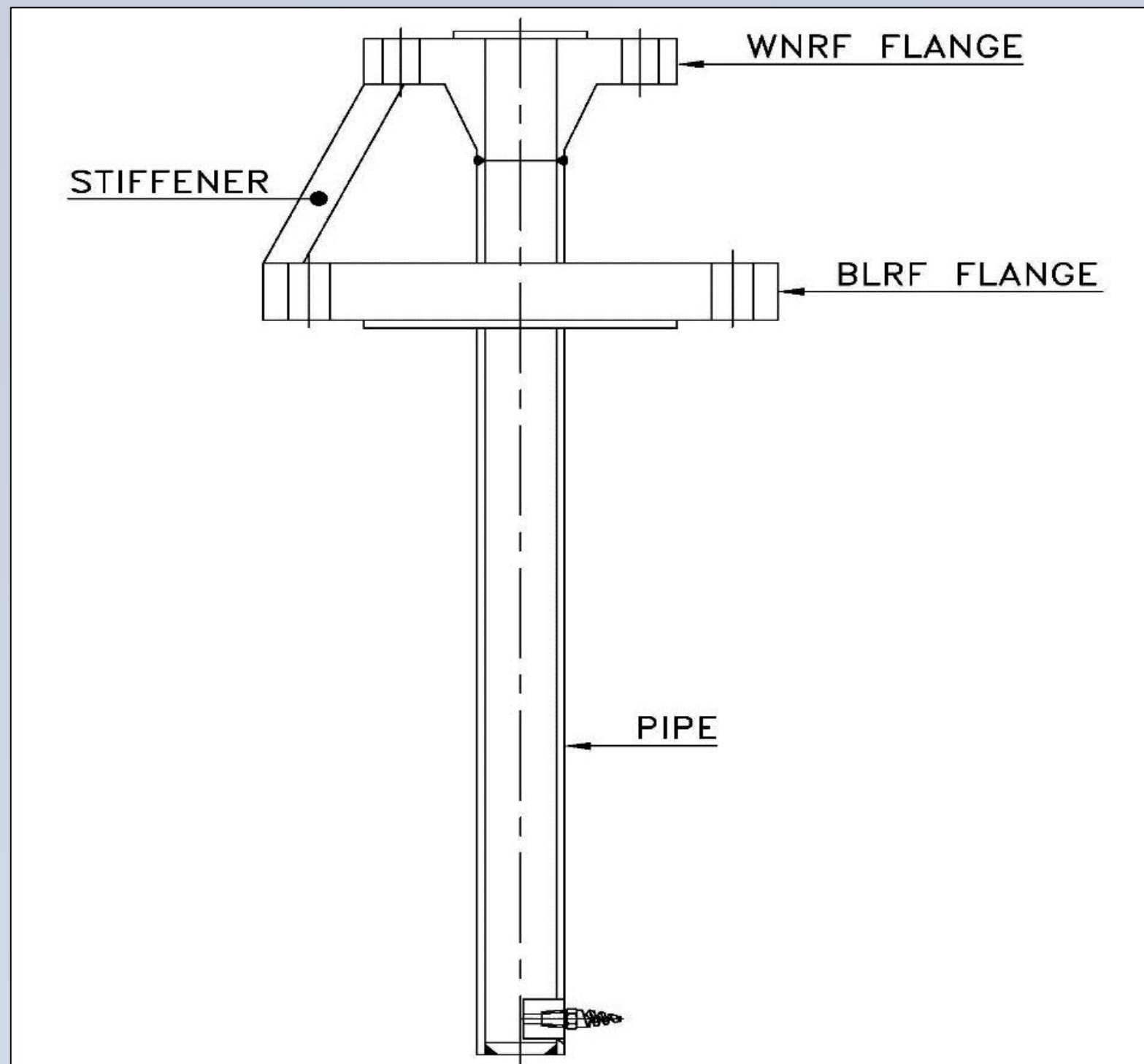
Type-1: Fixed Injection Quill (Fabricated Type)



6. Injection Quill



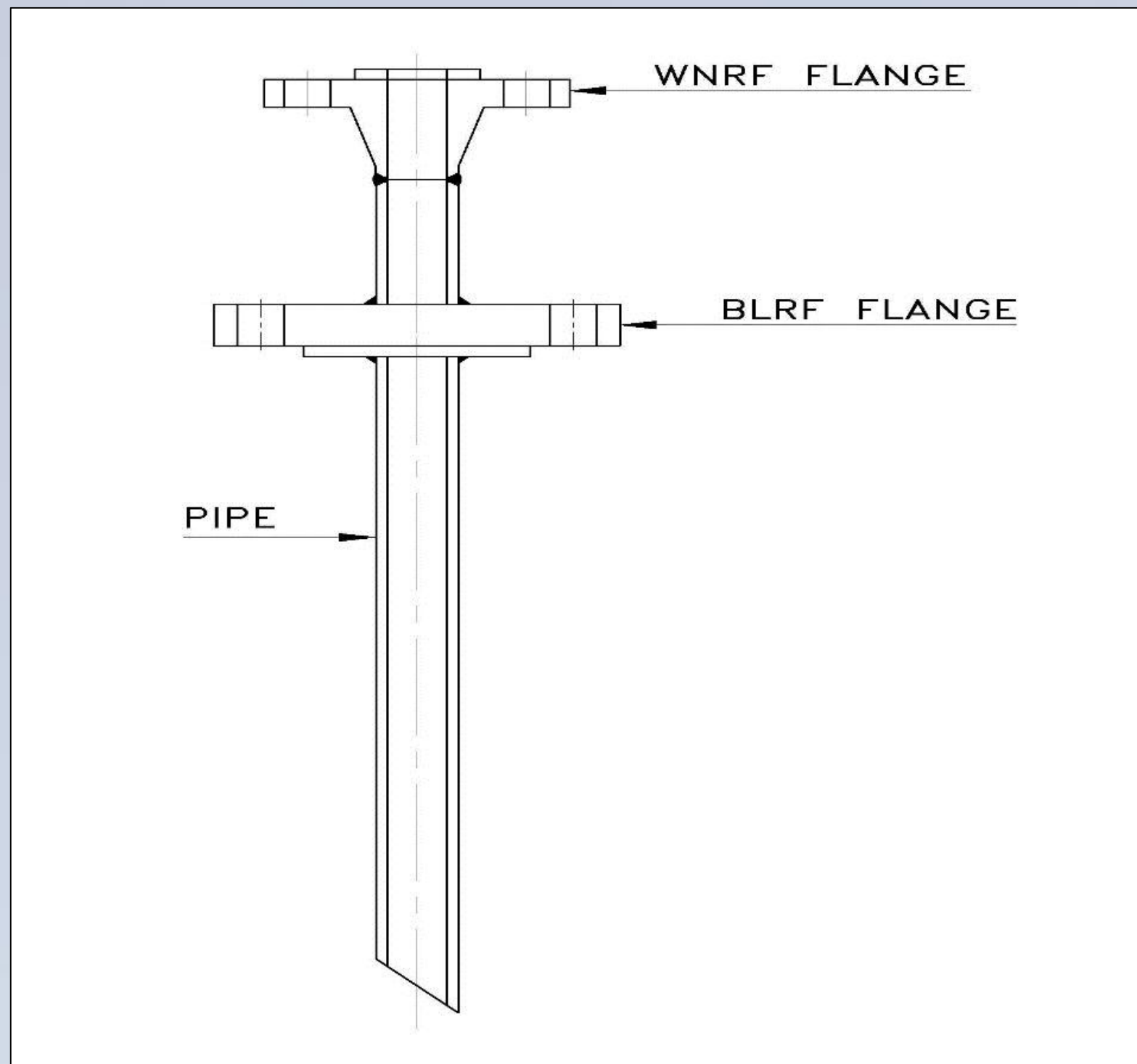
Type-1: Fixed Injection Quill (Fabricated Type)



6. Injection Quill



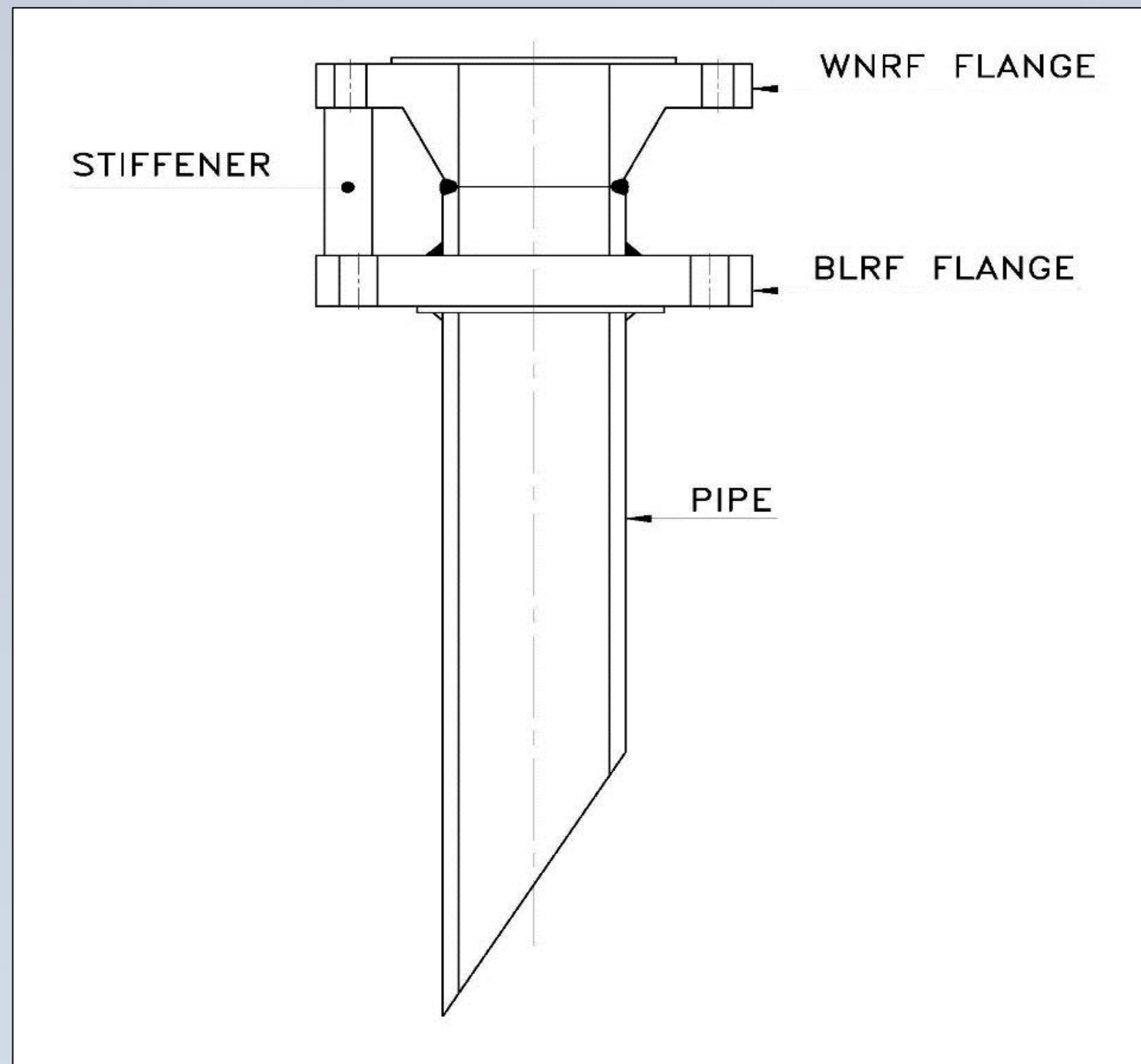
Type-1: Fixed Injection Quill (Fabricated Type)



6. Injection Quill



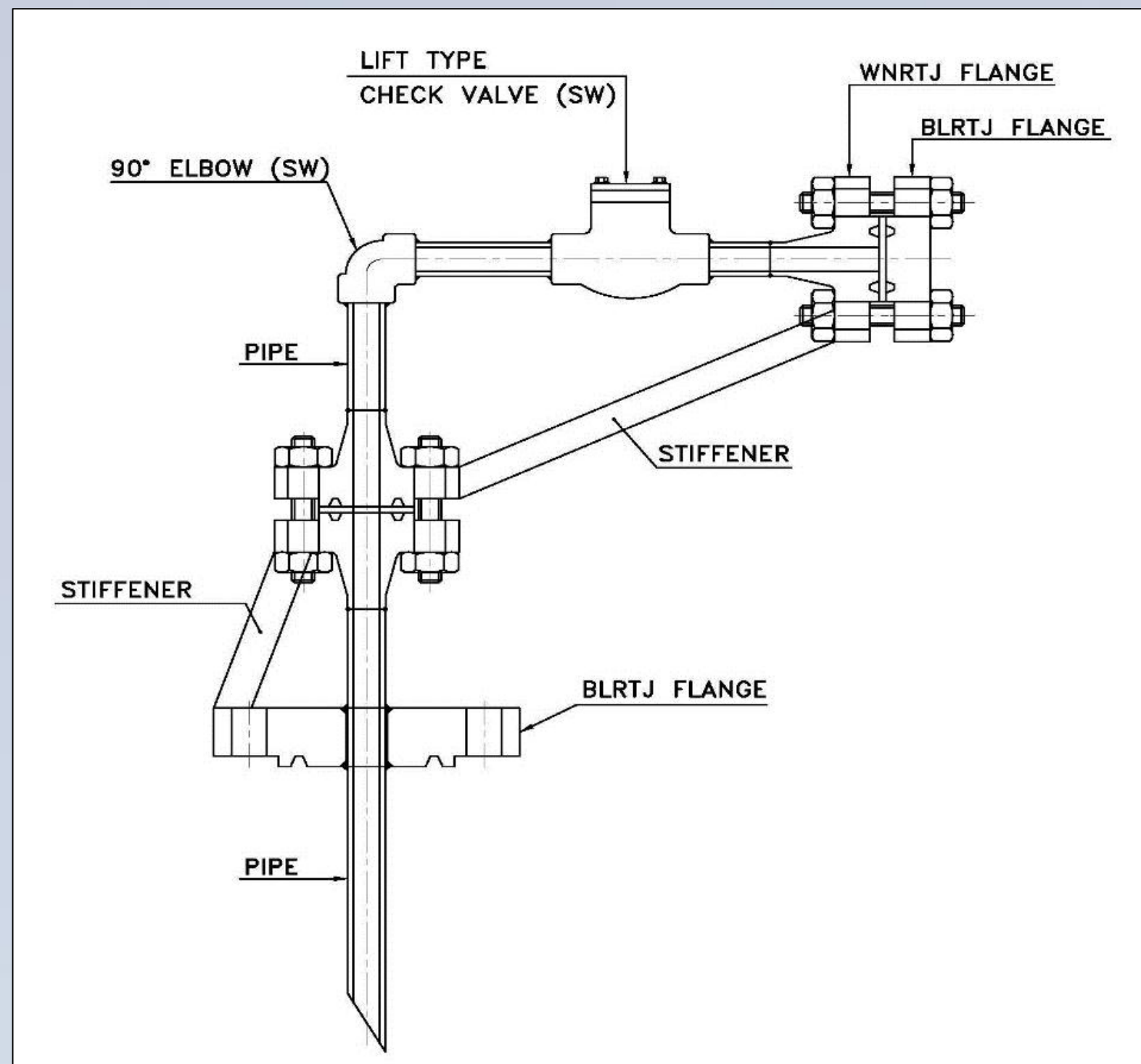
Type-1: Fixed Injection Quill (Fabricated Type)



6. Injection Quill



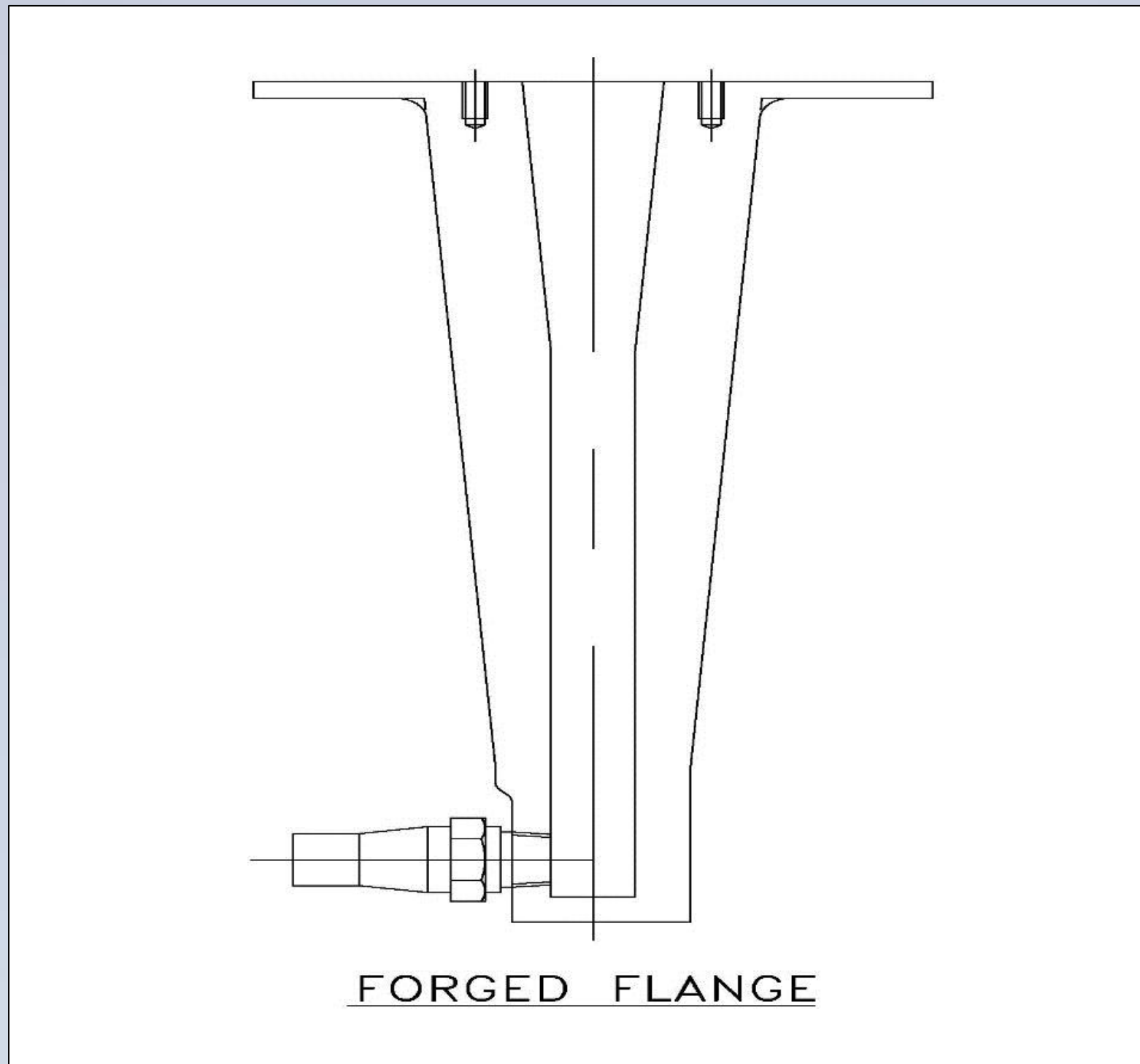
Type-1: Fixed Injection Quill (Fabricated Type)



6. Injection Quill



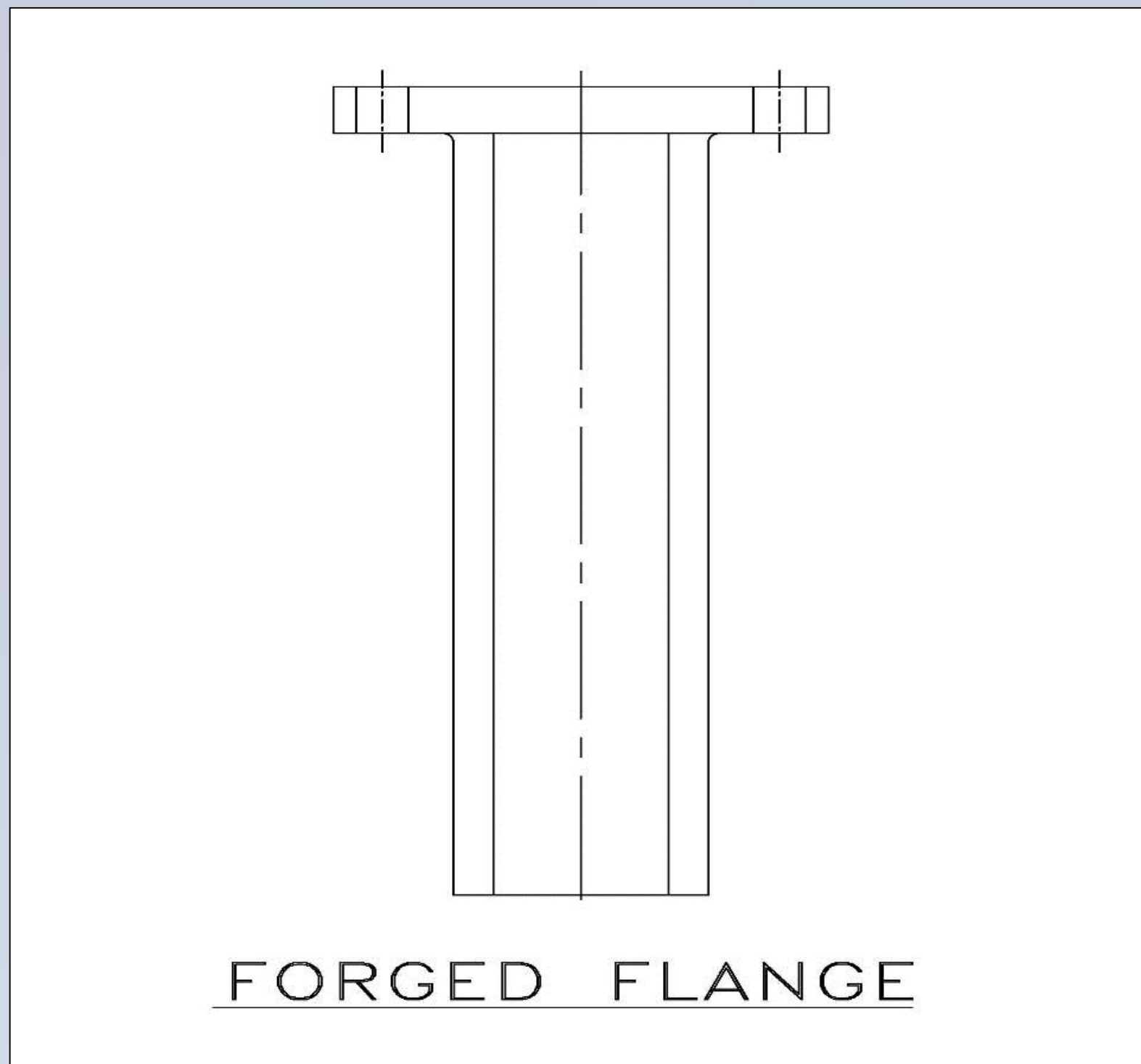
Type-1: Fixed Injection Quill (Forged Type)



6. Injection Quill



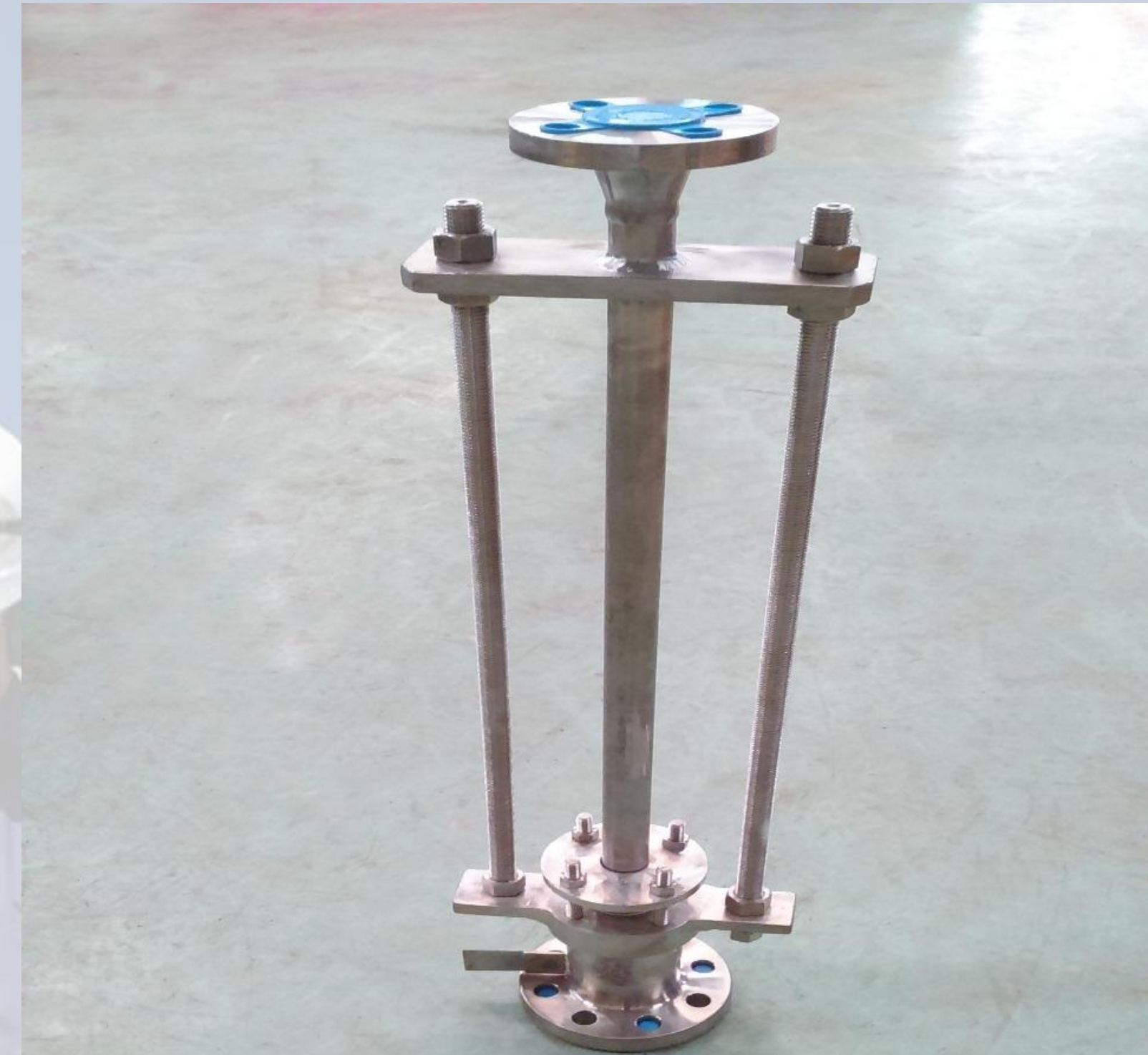
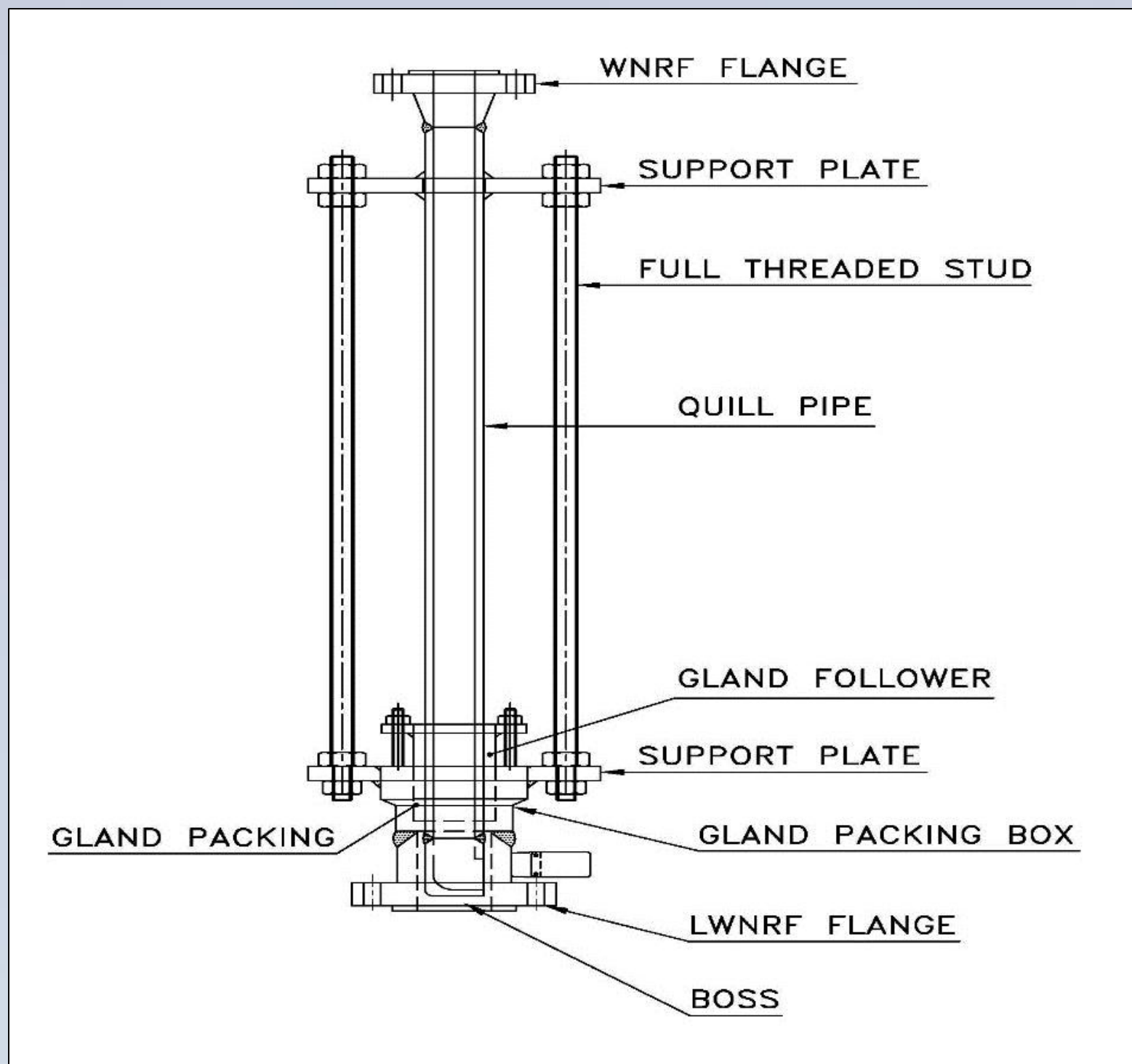
Type-1: Fixed Injection Quill (Forged Type)



6. Injection Quill



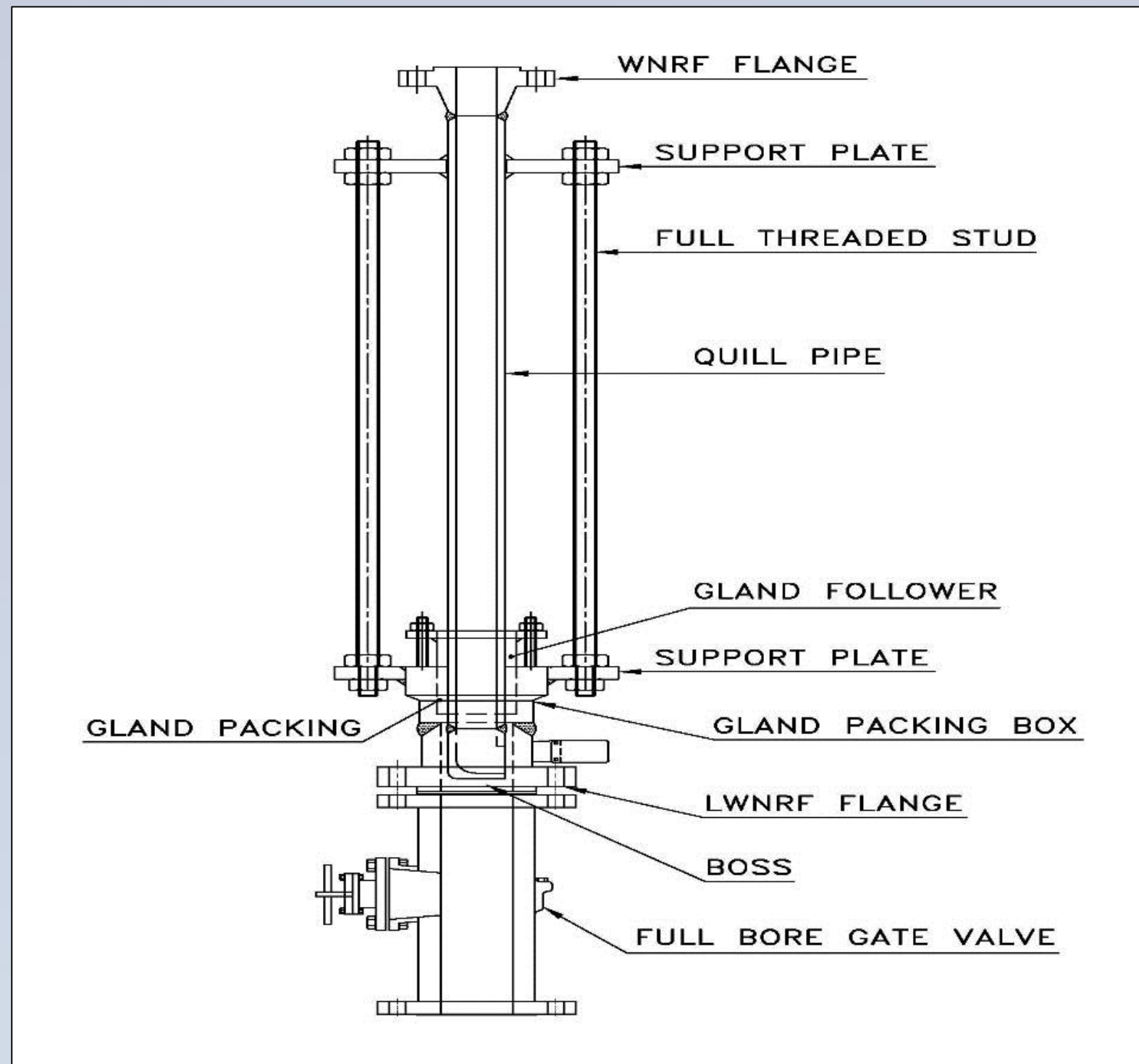
Type-2: Retractable Injection Quill



6. Injection Quill



Type-2: Retractable Injection Quill



6. Injection Quill



Type-2: Retractable Injection Quill

- **Injection Quills are special products used widely in the Oil & Gas and Petroleum Industry.**
- **Injection Quills are used for injecting chemicals and corrosion inhibitors to process proper lines.**
- **refining and power & allied Industries.**
- **Applications of Injection quills provide an easy solution for uniform and complete mixing of process.**



7. Double Block Bleed Valve



Type-1



Double Block Bleed Valve



Double Block Bleed Valve with Quill

7. Double Block Bleed Valve



Type-2



Double Block Bleed Valve



Double Block Bleed Valve with Quill



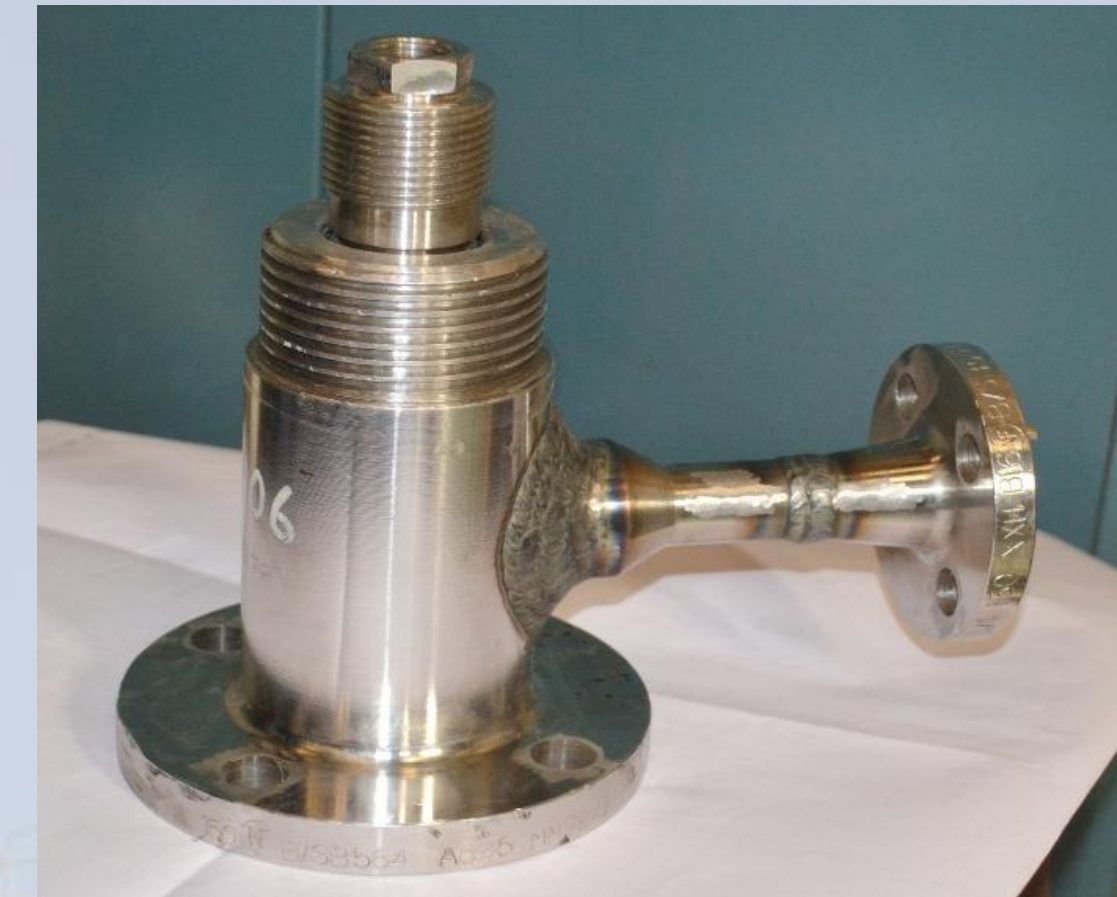
OUR CUSTOMERS



Customers



Supplied to	Aker Process Systems AS
End User	Posco Plantec
Details	
Description	Access Fitting with Injection Quill
MOC	SS 316
Size	2" Access Fitting
Qty	4 Nos.
Certification	EN10204 Type 3.1
Year of Supply	2015



Customers



Supplied to	Petrofac International (UAE) LLC JI- 199
End User	Turkmengas
Details	
Description	Access Fitting with Injection Quill, Retrievable Tool and Service Valve
MOC	UNS N08825
Size	2" Access Fitting
Qty	12 Nos.
Certification	EN 10204 Type 3.2
Year of Supply	2012



Customers



Supplied to	Al Zahem International Group - Kuwait
End User	Kuwait Oil Company
Details	
Description	Access Fitting with Injection Quill and Retrievable Tool and Service Valve
MOC	C.S , DSS, UNS NO 6625, UNS C102000
Size	2" Access Fitting
Qty	58 Nos.
Certification	EN 10204 Type 3.2
Year of Supply	2013



Customers



Supplied to	L & T Hydrocarbon Engineering LTD.
End User	Cairn India Ltd.
Details	
Description	Access Fitting with Injection Quill and Retrievable Tool and Service Valve
MOC	Body C.S, Internal SS
Size	2" Access Fitting
Qty	12 Nos.
Certification	EN 10204 Type 3.2
Year of Supply	2015



Customers



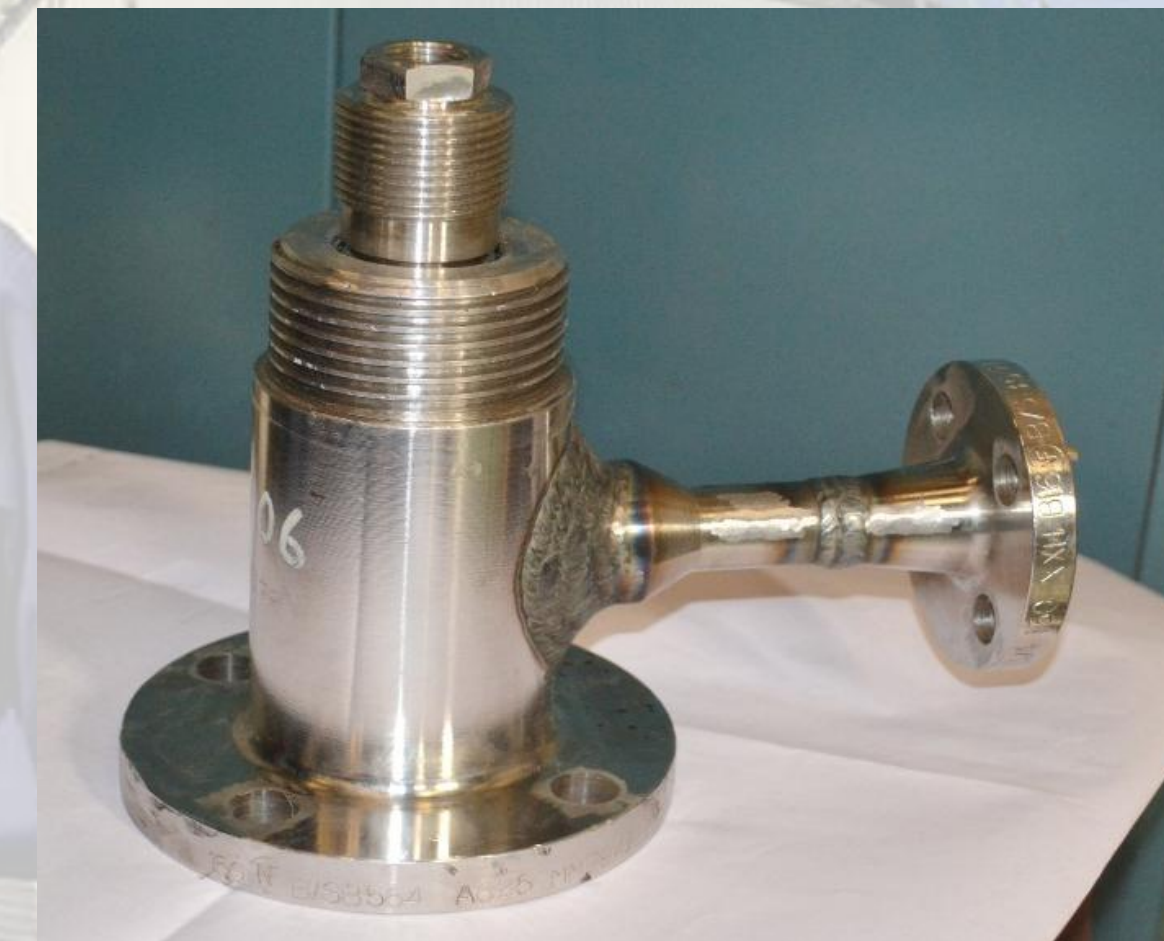
Supplied to	Cheamtreat India Ltd.
End User	British Gas
Details	
Description	Access Fitting with Injection Quill
MOC	Nitronic 50, SS 316
Size	1 1/2" Access Fitting
Qty	39 Nos.
Certification	EN 10204 Type 3.2
Year of Supply	2014



Customers



Supplied to	Al Serat Trading, LLC
End User	Yadavaran Oil field Development Project
Details	
Description	Access Fitting with Corrosion coupons & Injection Quill
MOC	Body C.S, Internal SS
Size	2" Access Fitting
Qty	29 Nos.
Certification	EN 10204 Type 3.1
Year of Supply	2012



Customers



Supplied to	Aker Process Systems AS
End User	Posco Plantec
Details	
Description	Retrievable Tool and Service Valve
MOC	SS 316
Size	2" Access Fitting
Qty	4 Nos.
Certification	EN 10204 Type 3.1
Year of Supply	2015



Customers



Supplied to	Reliance Industries Ltd.
End User	Reliance, AGR Project
Details	
Description	Injection Nozzles
MOC	SS 304L, SA333 Gr 6
Size	10", 12", 14", 20"
Qty	35 Nos.
Certification	EN 10204 Type 3.1
Year of Supply	2015



Customers



Supplied to	Reliance Industries Ltd.
End User	Reliance, MEG Project
Details	
Description	Retractable Injection Quill with IBR Certification
MOC	C.S, SS 316L
Size	4"
Qty	35 Nos.
Certification	EN 10204 Type 3.2
Year of Supply	2015





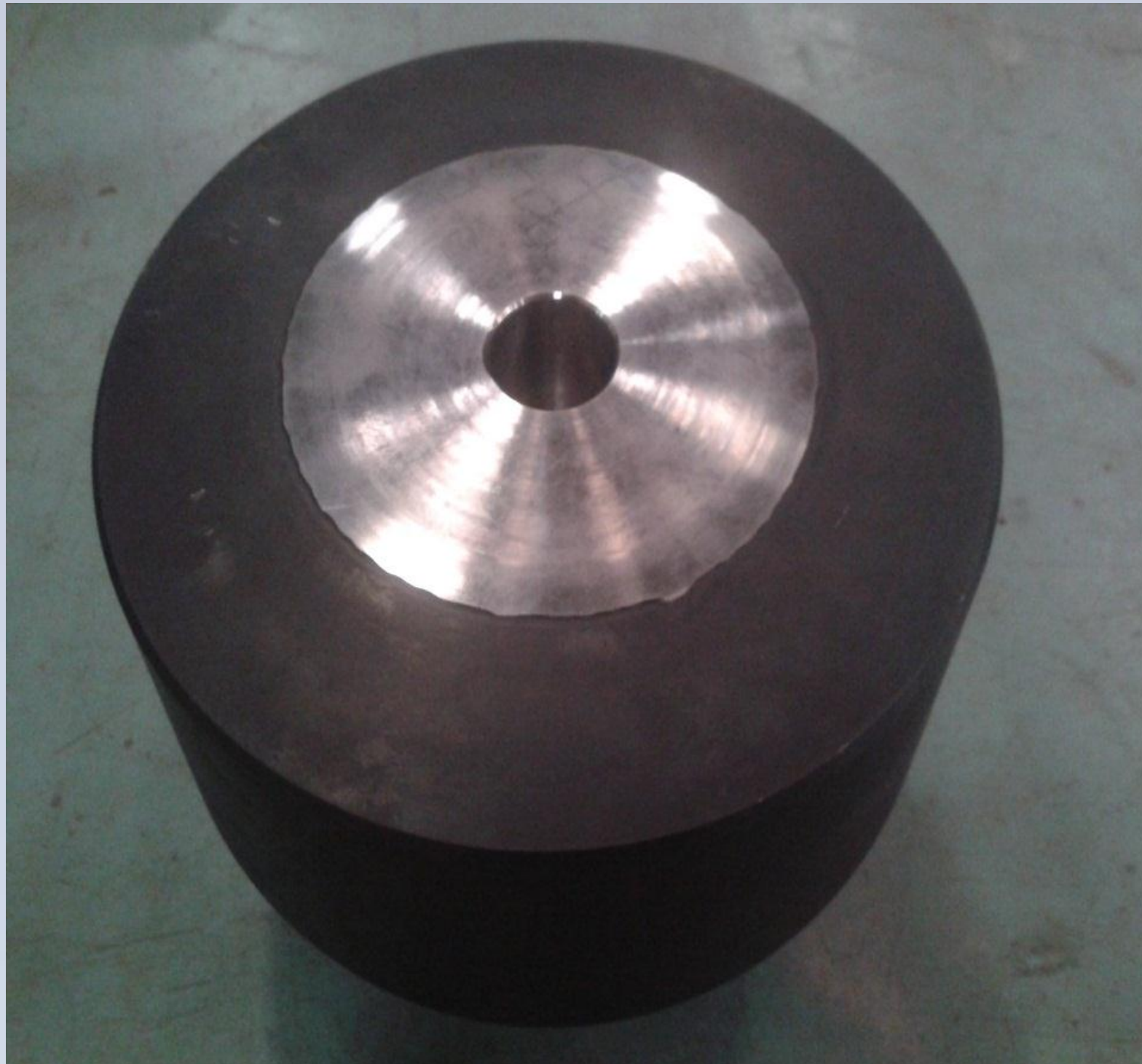
JOBS EXECUTED



Jobs Executed



Weld Overlayed Retractable Injection Quill



Jobs Executed



Injection Quill



Jobs Executed



Access fittings and Quill



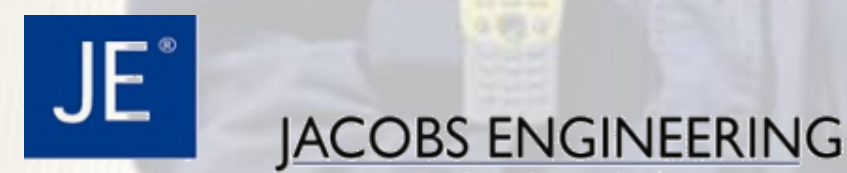
Jobs Executed



Weld Overlayed Quill



Our Clients



Thank you

Crystal 
industrial

www.crystalindustrial.in

