

OUR VALUES ARE AT THE HEART OF EVERYTHING WE DO.

Realizing Possibilities, Achieving Together, Building Trust...

Drillen Energy Equipments and Services



About us:

- Drillen Energy Equipments and Services (DEES) was formed and incorporated in Gujarat, India by a Team of dedicated and experienced professionals in the oil and gas industry.
- Our mission is to strive, achieve and stand out in our business with responsibility, business ethics and discipline to continuous process development in quality and delivery of product. We are in the process of implementing API-Q1 Quality Management System, API Monogram certification of API-6A, API-16A, API-16C and Fabrication requirement compliance with API12K, API12J, ASME Sec-VIII Div.1, ASME B31.1, ASME B31.3 and AWS D1.1.
- We have identified and partnered with API certified manufacturing companies. We have our own manufacturing unit in Vadodara, Gujarat, India.
- We have the asset of people, capabilities and vision to serve the needs of challenging and evolving industry.

Business Strength:

- Drillen Energy was formed by a team of dedicated and experienced professionals in the oil and gas industry (upstream/downstream).
- We believe in purposeful innovation because we see what others do not and we act. Through business innovation, product creation and service delivery, we are driven to power the industry that powers the world better.
- We believe in service above all since our singular goal is to move our customers' business forward. This drives us to anticipate our customers' needs and work with them to deliver the finest products and services on time and on budget.
- We believe in a customer focused approach with continuous process development in quality and working towards timely delivery first time and all the time. We are committed to provide reliable and quality service with innovate design and engineering solutions. At Drillen, we work as a team to meet our goals and take pride in getting a job well done. We believe in motivating and inspiring through this approach and find satisfaction at the job done.
- We are committed to deliver the products with quality and timely delivery as required by our clients. We deals with ASME, API 6A, API 16A and API 16C high pressure, high temperature and general/sour service products, pressure ranging from 150 PSI to 15000 PSI and Pressure Vessel, Storage tank, Piping and Structural Fabrication.

Our Vision:

- Our Vision is to establish DEES (Drillen Energy Equipments and Services) to be a market leader in repair, manufacture, service to the Oilfield, Flow Control, Pharmaceuticals, Hydrocarbon, Petrochemical and Hydro Power industries, by continual improvement in Product Quality, People and Customer relationship.
- Making the environment, health and safety, quality and integrity our highest priorities is the way we work. Our technologies and services includes: surface and subsea, monitoring, measurement and controls, pipeline installation and inspection. Through our customized service solutions and technologies, DEES partners with customers to maximize their efficiency, productivity and equipment reliability; develop their next generation workforce; and fully benefit from the mega trends of natural gas, the growth of subsea and hard-to-reach reserves and the revolution in asset health management.

Our Mission:

- To support and serve the industries with products having relentless reliability and fulfilling our customer's "wish lists" by continuously designing and developing innovative features that will reduce the end user's maintenance and increase overall safety and production and establish our self as an Industry leader in Oilfield.

Our Values, Behaviors And Foundational Beliefs:

- Our values are at the heart of everything we do; They define our aspirations and the company we want to be. They are the key drivers that guide our behaviours and attitudes in a distinctly DEES way.

Realizing Possibilities	Achieving Together	Building Trust
We strive for ever better. We take initiative. We learn from success and failure.	We work as one team. We share knowledge. We embrace diversity of thought.	We listen to improve. We partner constructively. We seek to outperform.

In everything we do, we never compromise on:

- **Safety:**
We will not compromise on health, safety and security
- **Integrity:**
We hold ourselves to the highest moral and ethical principles
- **Quality:**
We deliver the highest quality in everything we do
- **Respect:**
We treat everyone honestly, fairly, and courteously
- **Sustainability:**
We act responsibly, always considering our impact on the planet, people, and communities in which we operate.



Quality Policy :

- Drilten Energy Equipment and Services committed & establish to meet and/or exceed customer requirement by on time delivery and quality of products and services in strict compliance with regulatory, statutory requirements and by continual improvement and effectiveness at relevant functions by upgrading its Processes, Products, Peoples, Services and quality management System as per API-Q1 and ISO9001.

Technical Strength:

- **Management:**
Drilten Energy Equipment Services; Partners having more than 10 years of experience in Planing, Manufacturing, Quality management and Supply chain for the API-6A,API-16A,API-16C, ASME, Flow line Products, Pressure Vessels, High Pressure Piping and Structural Fabrication.
- **Design and Development:**
We are having experienced design and development team with expertise in Design and Development for High Pressure and load bearing Components such as Valves, Piping, Vessels and Structural Skids.
- **Manufacturing:**
We having experience production team, Supervisors, Assembly technician, Machinist, Welder, PWHT technician to achieve manufacturing goal respective to the requirements of Codes, Standards and Specifications.
- **Quality Assurance and Control:**
Drilten quality team having good experience in Inspection, NDT, QMS, ISO9001, API Q1, API6A, API-16C, API-16A and ASME Sec-VIII Division-1 products and specific requirements.

Products and Services:

- We are dealing with product development, manufacturing, service, repair, reverse engineering and re-manufacturing. Our service division provides retrofit and refurbishing of all upstream, midstream and downstream products according to ASME and API guidelines.

Product Range for Manufacturing, Repair, Rental and Supply :

• Valves:

• Gate Valve and Spares :

- Size: 2-1/16" to 4-1/16"
- Pressure Rating: 5000 PSI to 15000 PSI
- Service: Sour, H₂S or Standard.
- Ring Groove: SS or Inconel-625 Lined or without Cladding.
- Design and Manufacturing: As per API-6A



• Plug Valve :

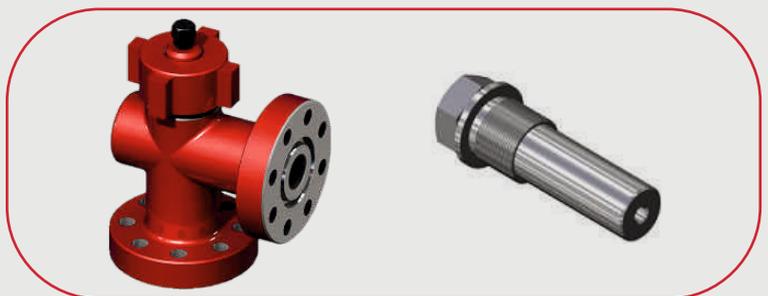
- 2" x 2" - Fig.1502 , Low Torq, Top and Bottom Entry.
- 3" x 3" -Fig.1502 Hammer Union End, Low Torq Top and Bottom Entry.
- Pressure Rating:
Standard Service 15000 PSI
Sour Service 10000 PSI.
- Design and Manufacturing: As per API-6A



• Choke Valve - Positive or Fixed Bean Choke:

• Flanged End Positive or Fixed Bean Choke Valve :

- Size: 2-1/16" to 3-1/16"
- Pressure Rating: 5000 PSI to 15000 PSI.
- Ring Groove: SS or Inconel-625 Lined or without Cladding.



• Hammer Union End Positive or Fixed Bean Choke Valve :

- Size: 2" Fig.1502 & 3" Fig.1502
- Pressure Rating:
For Standard Service 15000 PSI
For Standard Service 15000 PSI
- Design and Manufacturing: As per API-6A



• Adjustable and Drilling Choke:

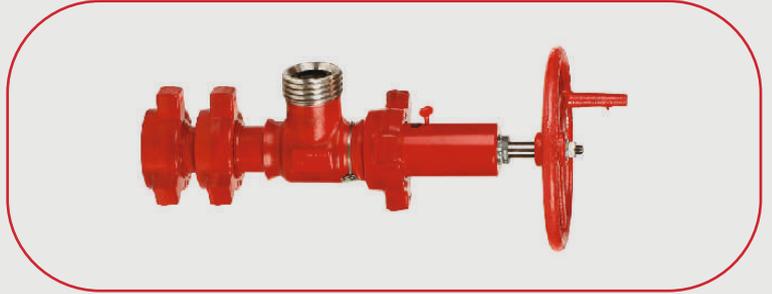
• Flanged End :

- Size: 2-1/16" to 3-1/16"
- Ring Groove: SS or Inconel-625 Lined or without Cladding
- Pressure Rating: 5000 PSI to 15000 PSI
- Design and Manufacturing: As per API-6A or API16C as Applicable.



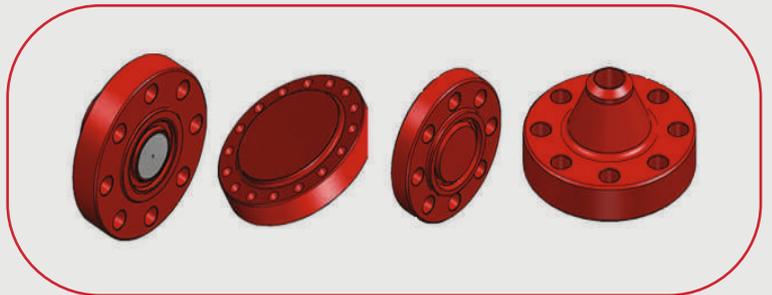
• Hammer Union End :

- Size: 2" Fig.1502 & 3" Fig.1502
- Pressure Rating:
For Standard Service 15000 PSI
For Sour/H2S Service 10000 PSI
- Design and Manufacturing: As per API-6A or API16C as Applicable.



■ Flanges 6B and 6BX, ANSI/ASME :

- Size: API :1-13/16" to 21-1/4"
- Size: ANSI/ASME: 2"to 7" Class 150 to 1500 RTJ
- Ring Groove: SS or Inconel-625 Lined or Without Cladding.
- Pressure Rating: 2000 PSI to 15000 PSI as applicable for Sizes.
- Design and Manufacturing: As per API-6A



■ Double Studded Adapter Flange (DSA/DSAF)

- Size: 2-1/16" to 21-1/4"
- Ring Groove: SS or Inconel-625 Lined or Without Cladding
- Pressure Rating:
2000 PSI to 15000 PSI as applicable for Sizes.
- Design and Manufacturing: As per API-6A



■ Spacer/Riser Spool :

- Size: 2-1/16" to 21-1/4"
- Ring Groove: SS or Inconel-625 Lined or Without Cladding
- Pressure Rating:
2000 PSI to 15000 PSI as applicable for Sizes.
- Design and Manufacturing:
As per API-6A/API-16A



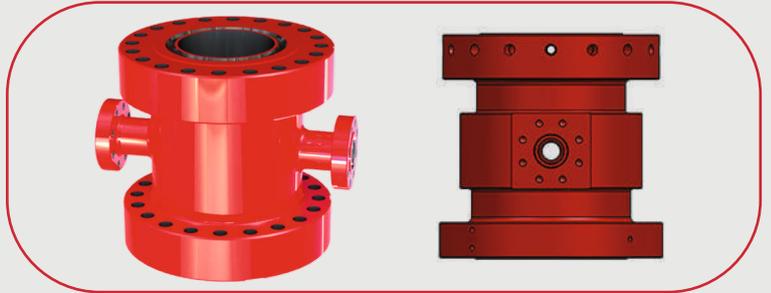
Cross Over Spool, Adapter Spool :

- Size: 2-1/16" to 21-1/4"
- Ring Groove: SS or Inconel-625 Lined or Without Cladding
- Pressure Rating: 2000 PSI to 15000 PSI as applicable for Sizes.
- Design and Manufacturing: As per API-6A



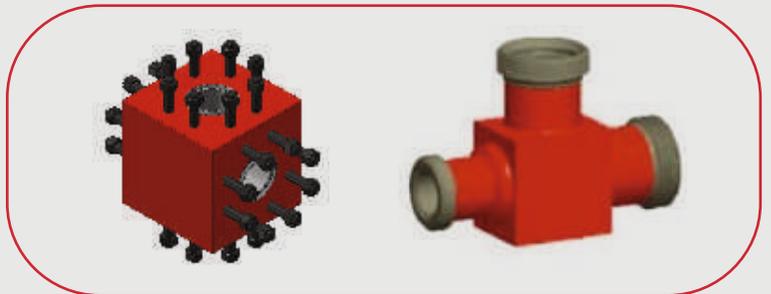
Drilling/Diverter/ Casing Spool :

- Size: 7-1/16" to 21-1/4"
- Side Outlet: 2-1/16" to 4-1/16"
- Pressure Rating: 2000 PSI to 15000 PSI As Applicable For Sizes.
- Design and Manufacturing: As per API-16A



Studded/Flanged/Hammer Union End Cross, Elbow, Tee :

- Size: Flange End: 2-1/16"-7-1/16"
- Pressure Rating: 2000 PSI to 15000 PSI
- Design and Manufacturing: As per API-16C



API Flange to Hammer Union End Cross Over :

- Size: 2-1/16"- 4-1/16" to 1"- 6" Fig.602, Fig.1002, Fig.1502, Fig.2202 or as per Customer Requirements.
- Pressure Rating: 2000 PSI to 15000 PSI
- Design and Manufacturing: As per API-6A



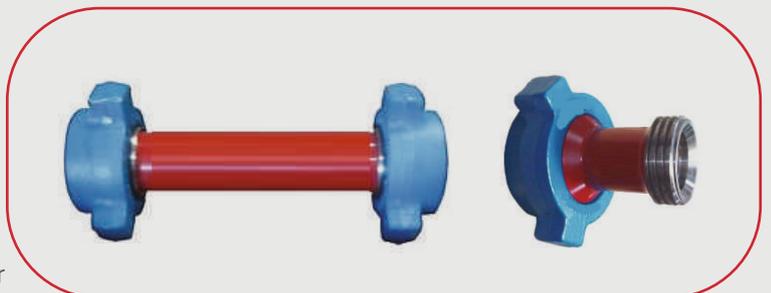
ANSI/ASME B16.5 Flange to Hammer Union End Cross Over :

- Size: 2"- 6" #150, #300, #600, #900, #1500 to 2"- 4" Fig.602, Fig.1002, Fig.1502, Fig.2202 or as per Customer Requirements.
- Pressure Rating: 500 PSI to 20000 PSI.



Hammer Union End Cross Over, Pup Joint (Welded & Threaded) :

- 1" to 4" Fig.602, Pressure Rating 6000 PSI For Standard and Sour Gas services
- 1" to 6" Fig.1502, Pressure Rating 15000 PSI for Standard and 10000 PSI (Sour Gas Service)
- 2" to 4" Fig.2202, Pressure Rating 15000 PSI For Sour Gas Service



Buffer Chamber (Welded or Block Type) :

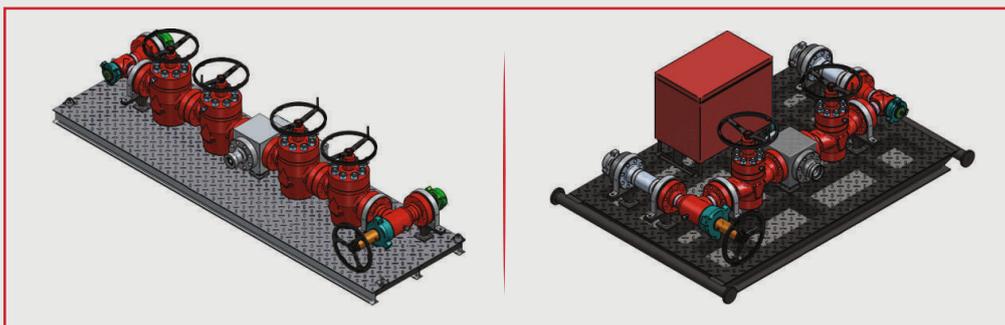
- Size: 2-1/16" to 7-1/16"
- Pressure Rating: 2000 PSI to 15000PSI
- Design and Manufacturing: As per API-16C

Hammer Union (Threaded and Butt Weld) :



Figure	Cold Working Pressure (PSI)		Nominal Pipe Size								
	Standard	Sour Gas	1"	2"	3"	4"	5"	6"	8"	10"	12"
50	500	N A				▲	▲				
100	1000	N A		▲	▲	▲	▲	▲	▲		
200	2000	N A	▲	▲	▲	▲	▲	▲	▲	▲	
206	2000	2000	▲	▲	▲	▲	▲	▲	▲	▲	
300	2000	N A	▲	▲							
400	4000	4000		▲	▲	▲					
602	6000	6000	▲	▲	▲	▲					
1002	10,000	7500	▲	▲	▲	▲					
1003	10,000	7500		▲	▲						
1004	10,000	7500					▲	▲			
1502	15,000	10,000	▲	▲	▲	▲	▲	▲			
2002	20,000	N A		▲	▲	▲					
2202	N A	15,000		▲	▲	▲					

Manifolds :



- Choke and Kill Manifold
- Choke Manifold
- Mud Gas Valve Manifold
- Well Testing Manifold
- Stand Pipe Manifold
- Sacrificial Choke Manifold
- Plug Valve Manifold

BOP (Blow Out Preventer) :

- **Single Ram BOP / Double Ram BOP :**
- **Single Annular BOP / Double Annular BOP :**

- Size: 7-1/16" to 21-1/4"
- Ring Groove: SS, Inconel-625 without lining
- Pressure Rating: 2000 PSI to 15000 PSI as applicable for Sizes.
- Repair and Re-Manufacturing: As per API-16A & API 16 AR



- **BOP Test Stump :**

- BOP Size: 7-1/16" to 21-1/4"
- 3-1/2' IF, 4-1/2" IF or HT 55 are most commonly used box connections for installation of a test mandrel to carry out well bore simulation tests on BOP
- Manufacture, Repair & Remanufacture - As per API 16A



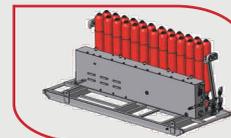
- **BOP Test Mandrel :**

- Manufacturing as per API 16A and Compatible to BOP



- **BOP Control Unit / Accumulator Bottles :**

- Repair and Re-certification - as per API 16D
- Accumulator Bottles – 10 Gallon, 11 Gallon, 15 Gallon
- Working Pressure: 3000 PSI to 5000 PSI



Welding and Fabrication :

- Our Experienced and Highly Skilled welding team can ready to accept all the challenges in Welding and Fabrication work.

We expertise in Welding of most common materials, Such as A105, IS2062, A36, A234 Gr.WPB, Austenitic and Martensitic Stainless Steel, High Strength low alloy steel (AISI4130, AISI4140, AISI8620), Austenitic Stainless steel Overlay, Ni-Base Alloy(Ni-625) Overlay, Weir Resistance Hard facing Overlay.

We are ready to work at Customer site to save valuable time and cost, which includes, Welding, Post Weld Heat treatment, Radiography Testing, Liquid Penetration Testing, Magnetic Particle Testing, Ultrasonic Thickness Gauging .

We having AWS certified welding Inspectors,6G position qualified Welders and Experience supervisor to complete welding and Fabrication challenges in compliance with the customer requirements.

We are also supplies Welder and Welding Inspector on man-day basis.

● Product List :

- Pressure Vessel
- Storage Tank
- Surge Tank
- Mud Gas Separator
- Indirect Water Bath Heater
- Structural Fabrication
- Piping fabrication
- Structural Fabrication
- Welding Overlay and Hard Facing.
- Repairing of old equipments.
- Heat Exchanger
- BOP
- BOP Test Stump
- BOP Control Unit
- Plating and Nitriding

● Material :

- Stainless Steel, Carbon Steel, Low Alloy Steel, Ni-Base Alloy, High Strength Quench and tempered Alloys.

● Welding Process :

- GTAW, SMAW, GMAW, FCAW

■ Inspection Services :

- NDT Inspection: Magnetic Particle Examination, Liquid Penetration Examination, Ultrasonic Examination, Radiography Examination.
- Supply of NDT and Welding Personal for Inspection.
- Welding Inspection by AWS-CWI
- Welding Procedure and Welder Qualification
- Welding Support to establish shop in compliance with API-6A, 16A, 16C and other National and International Code and Standard Requirements.

■ Manufacturing Capabilities :

- **Manual Machining** - Diameter up to 30inch, Length 20ft, Weight up to 10 tone.
- **CNC Machining** - Diameter up to 18inch, Length 3ft, Weight 2 tone.
- **Threading(In house/Out Source)** - All types of Thread on Internal and External up to 10 inch Dia. And 2 mtr. Length.
- **Welding and Fabrication** - OD 5 meter x Length 6mtr, Weight up to 6tone,
Welding Process: GTAW,GMAW,FCAW,SMAW
- **Pressure Testing Facility** - Pressure test up to 30000 PSI, Flange End: 2-1/16" to 21-3/4",
Union End: 1" to 4" - Fig.602; Fig.1002, 1" to 6" - Fig.1502, 2" to 4" - Fig.2202.
- **Non Destructive Examination (In house/Outsource) -**
 - Magnetic Particle Examination (MPI/MPT/MPE)
 - Visual Examination (VT/VE)
 - Ultrasonic Examination (UT/UE)
 - Radiography Examination (RT/RE)
 - Liquid Penetrant Examination/Dye Penetrant (LPT/LPE/DP)
 - Helium Leak Test (HLT)/Fugitive Emission Test.
- **Blasting and Painting (Out Source)**



Drillen Energy Equipments and Services

 www.drillenenergy.com

 +91 89799 49709 • +91 99784 69554

 sales@drillenenergy.com • operations@drillenenergy.com

 C-1/900/2/A/6, G.I.D.C, Makarpura, Industrial Estate, Vadodara-390010, Gujarat, India.

