

OCTG

Supply Range





TPS - your competent manufacturer of tubular & piping products

TPS-Technitube Röhrenwerke GmbH is a privately owned future orientated company operating most modern production mills and stocks for seamless alloy and stainless steel tubes, nickel and titanium alloyed tubes, carbon steel tubes, non-ferrous tubes, oil- and gasfield tubular products, extended surface tubes as well as for special piping and tubing products and accessories.

The production mills of TPS-Technitube Röhrenwerke GmbH, located on a total area of more than 100.000m² in Daun/Germany in the centre of Europe have an excellent worldwide reputation as a reliable and competent manufacturer and stockist of high quality piping, tubular products and accessories.

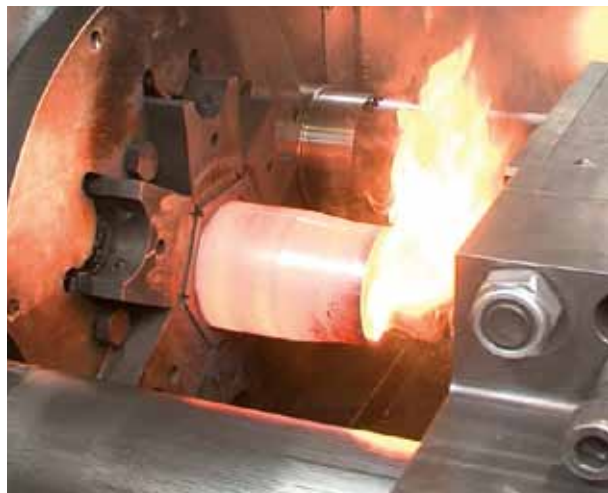


OCTG mill

- Manufacturer of tubular products and accessories for the oil and gas industry
- Tubing and Casing
- Premium joints:
MULTISEAL, TECHNISEAL, OPTIFLOW
- Pup-joints, X-overs, Flow couplings, Blast-joints, Couplings etc.
- Drill pipes

Our new mill was established in 2009 and has a production capacity of up to 40.000 tons/year.

We are equipped with the most modern production technologies and are approved by the most renowned institutes.





TPS OCTG - Europe's biggest mill stock of tubing and accessories!



We stock over **1.000.000 ft** of **OCTG** in a wide variety of sizes, grades and connections.

Tubing with **extra long upsets** for up to **3 recuts** is ready for immediate delivery! For complete tubing packages, you can also choose from a wide range of Pup Joints and X-Overs.

Our stock, with covered and open stock area, is located in Daun (Germany) at the heart of Europe. From here, we are able to deliver our stock materials worldwide in the shortest delays.

What we stock:

- Tubing, Casing, Drill Pipe
- Tubing with extra long upsets for up to 3 recuts
- Test strings
- Macaroni Tubing
- Pup Joints - also with 3 recuts!
- X-Overs
- Couplings
- Solid/hollow bar material

Connections:

- TPS-MULTISEAL: 1.315" - 4 1/2" OD
- TPS-TECHNISEAL: 2 3/8" - 5 1/2" OD
- API EU, NU: 2 3/8" - 4 1/2"

Grades:

- J-55, N/L-80, P-110, C-95SS, T-95, 13Cr80



Looking for Macaroni tubing or Pup Joints?

With a quick delivery or only a small quantity? No problem, with our mill stock of more than **250.000 ft of Macaroni tubing** we surely have what you are looking for!

On top of that, we have set up the **biggest Tubing Pup Joint stock** in Europe with more than **2.000 Pup Joints** ready on the shelf. Starting from Macaroni sizes up to heavy wall test strings and with different connections we offer a huge range of specifications.

... because it's the small things that matter!



TPS - TBG

Tubing Non Upset Coupling Connection to API Spec. 5CT & 5B

TPS - UPTBG

Tubing External Upset Coupling Connection to API Spec. 5CT & 5B

TPS - SC/LC

Casing Short/Long round Thread Coupling Connection to API Spec. 5CT & 5B

TPS - BC

Casing Buttress Thread Coupling Connection to API Spec. 5CT & 5B

TPS - OPTIFLOW

The technical execution of the standard TPS-OPTIFLOW connection is based on the proven API threads NU, EU & BC.

For special requirements, technical modifications to the standard requirements are available.

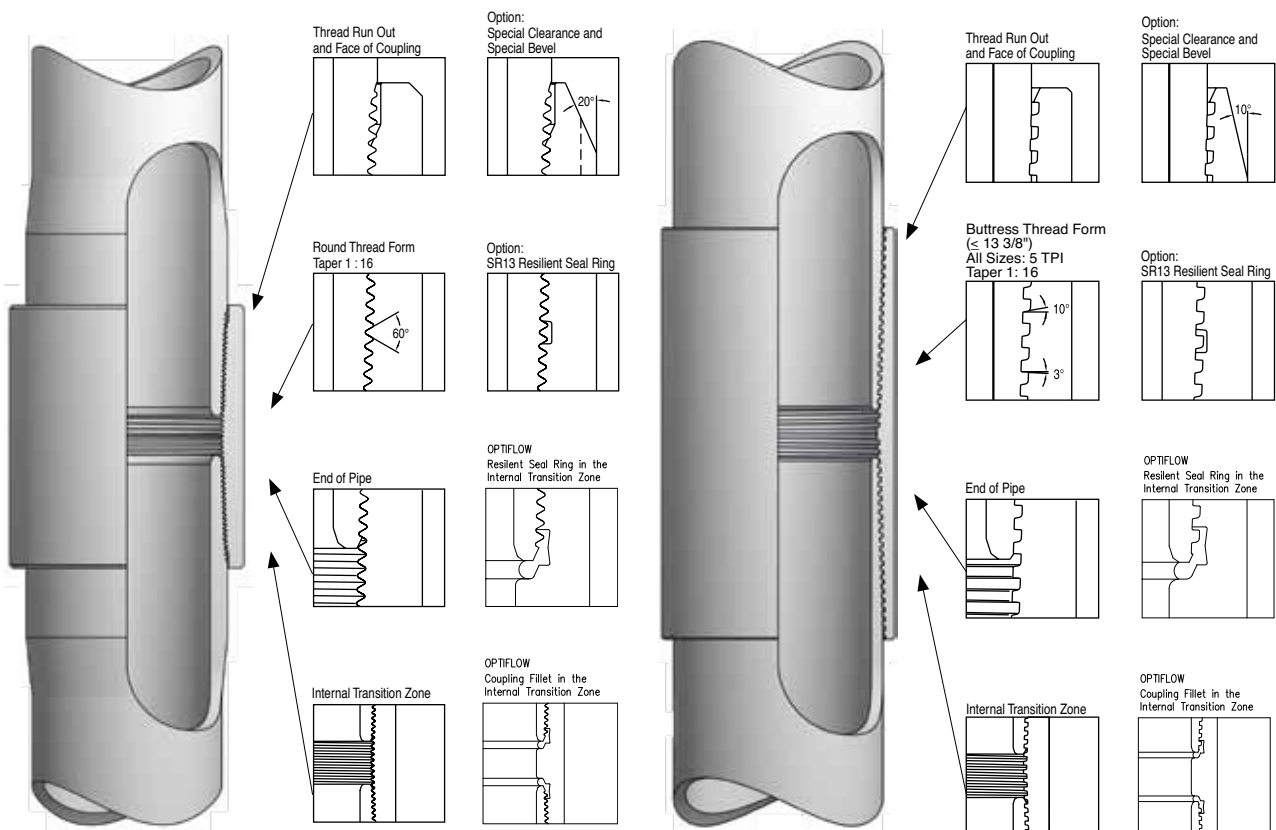
Usual options are:

- Resilient seal (SR 13) with an extra teflon ring seal.
- Special clearance; for extra clearance applications
- Special bevel; with 20° bevel

TPS API Tubing and Casing are the standard API threaded and coupled connections for oil production.

The connections available are:

• Non upset tubing			
1.050" - 3 1/2"	round thread		10 tpi.
4" - 4 1/2"	round thread		8 tpi.
• External upset tubing			
1.050" - 1.900"	round thread		10 tpi.
2 3/8" - 4 1/2"	round thread		8 tpi.
• Integral joint tubing			
1.315" - 2.063"	round thread		10 tpi.
• Round short or long thread casing			
4 1/2" - 20"	round thread		8 tpi.
• Buttress thread casing			
4 1/2" - 20"	buttress thread		5 tpi.
• Extreme line casing			
5" - 7 5/8"	buttress type thread		6 tpi.
8 5/8" - 10 3/4"	buttress type thread		5 tpi.





TPS - Techniseal

The **TPS-Techniseal** tubing and casing joints are a versatile high performance non upset premium gastight coupling connection. Suitable for use in many different environments and well conditions.

For example:
high pressure
high temperatures
deviated and horizontal wells
deep wells
highly corrosive environments

Characteristics:

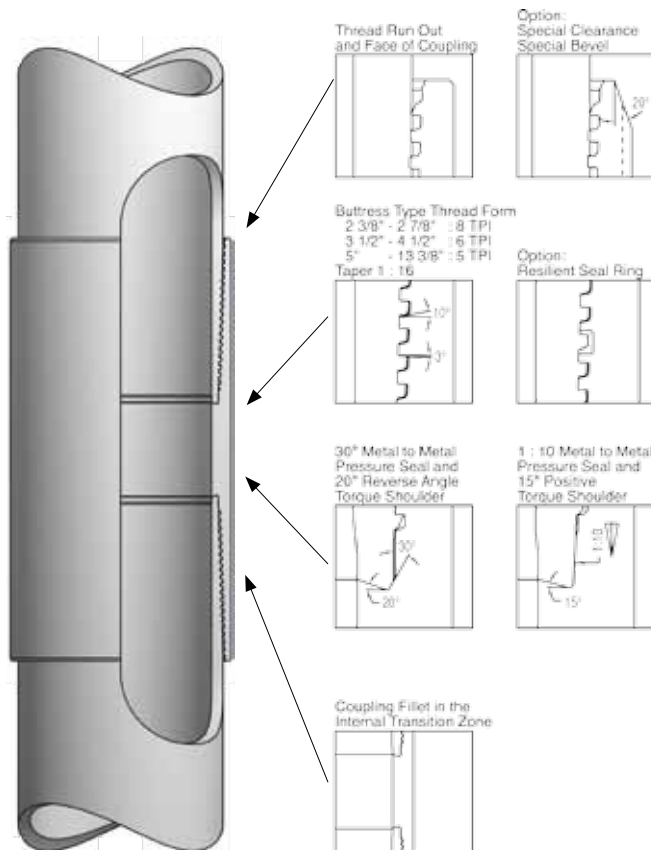
- metal to metal gas tight seal
tubing: 30° seal angle
casing: 10% taper seal
- improved buttress thread form resistant to galling.
- relief between pin crest and box root assures communication through the joint and avoids trapping of compound.
- coupling outside diameter often smaller than API
- streamlined internal connection profile gives an excellent match between pin bore and coupling centre bore. Turbulence, pressure losses and corrosion are reduced to a minimum.

- long centre fillet in the coupling for good stress distribution in the joint
- the stress distribution in the pin of the made up joint greatly reduces the susceptibility to hydrogen embrittlement.
- the joint efficiency is 100% with respect to the pipe body in all normal modes*
- excellent make up properties due to wide and well defined torque values.

For special requirements, technical modifications to the standard requirements are available.

Usual options are:

- Matched strength: for 100% tensile efficiency of heavy wall casing
- Special clearance: for extra clearance applications
- Special bevel: with 20° bevel
- Resilient seal: with an extra teflon ring seal corrosion barrier



Particularly suitable for specifications acc. to **API 5CRA / ISO 13680**.

Comes in corrosion resistant alloys, like

- Duplex
- Superduplex
- Nickel Alloys

* except for some heavy wall casing



Multiseal



TPS - MULTISEAL TS 8 / TS 8 TR

Tubing External Upset High Performance Premium Integral Connection

TPS - MULTISEAL TS 6 / TS 6 TR

Tubing External Upset High Performance Premium Integral Connection

TPS - MULTISEAL TS 4 / TS 4 TR

Casing External Upset High Performance Premium Integral Connection

The **TPS-Multiseal** tubing and casing connection is an external upset two step integral gastight premium joint proven over many years. It fulfills the highest requirements for reliability and easy handling and is suitable for use in many different environments and well conditions.

For example:
high pressures
high temperatures
deviated and horizontal wells
deep wells
highly corrosive environments
severe well condition

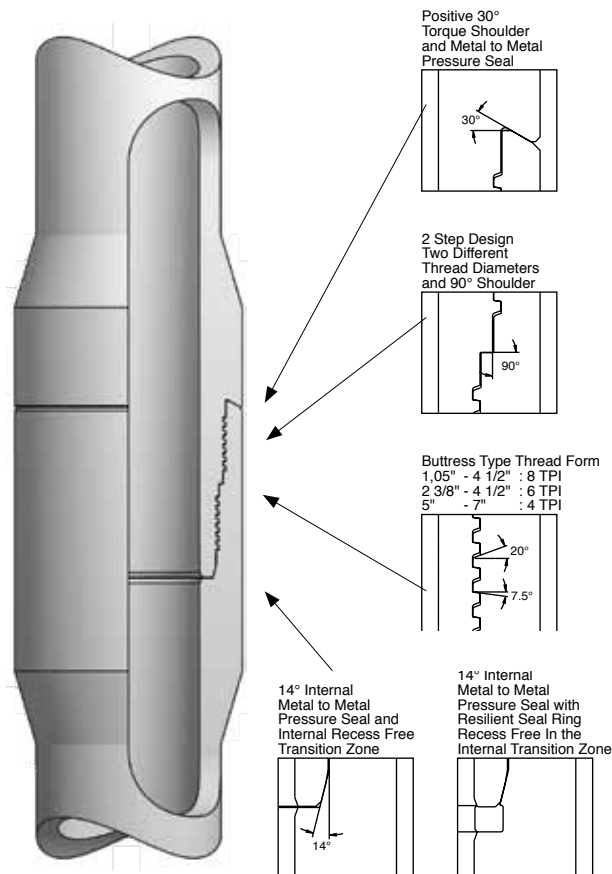
Characteristics:

- **Ultra long upsets for repeated recuts, perfectly suited for rental purposes**
- 14° metal to metal gas tight internal pressure seal.
- 30° metal to metal gas tight internal external pressure seal and torque shoulder.
- 90° torque shoulder and 30° seal and torque shoulder provide effective protection against over torquing.
- Two step improved non tapered buttress type thread form.
- No thread interference, so no tendency to thread galling.
- Connection outside diameter smaller than API.
- Stable two thread flank stabbing, cannot be cross threaded.
- Fast and easy make up due to large tolerances and optimal torque values.
- Streamlined internal connection profile giving an excellent match between pin and box bores, turbulence, pressure losses and corrosion are reduced to a minimum.
- The joint tensile efficiency is greater than for pipe body on all connections.
- Repeatable sealing capability on multiple make and breaks.

For special requirements, technical modifications to the standard requirements are available.

Usual options are:

- TR option with teflon ring corrosion barrier, perfectly suited for internal coating, which protects the sealing and thread systems against corrosive mediums.
- Special clearance: for extra clearance applications



Also available as

TPS Multiseal Flush Joint

- two step integral joint
- thread form TPS-MULTISEAL
- completely flush OD and ID for maximum clearance

* please contact our sales team for more information



TPS - Drill Pipe

TPS Drill Pipe for application in the oil and gas exploration and production industry are available in all sizes and upset ends according to API SPEC. 5DP. Other sizes and upsets are supplied on request.

Together with our certified partners we supply the drill pipe with friction welded Tool Joints, ready for use.

Drill Pipe Size Range:
1,315" - 6 5/8"

Upset Types:	
External Upset	EU
Internal Upset	IU
Internal External Upset	IEU

Friction welded Tool Joints acc. to API SPEC. 7-2 and API 5DP:

Numbered Connections	NC
Internal Flush	IF
Full Hole	FH
Double Shoulder	DST
High Torque	HT

For special requirements, technical modifications to the standard version are available.

Usual options are:

- Hard Facing of Tool Joints to increase life of Tool Joints.
- Internal Coating avoids corrosion and improves hydraulic efficiency thus reducing internal wear.

Internal Upset
IU



External Upset
EU



Internal-External Upset
IEU



Plain End Upset
Drill Pipe bodies
on stock!

* 90° shoulder on request



TPS OCTG - Your specialist for accessories

To complete your piping packages, we can supply customized

- Pup Joints
- X-Overs
- Subs
- Flow couplings / Blast Joints
- Lifting caps / plugs
- Couplings
- And many more

Those can be supplied with any of the connection types that are in our portfolio and combinations thereof. Other proprietary connections can be supplied on request.

You can count on a fast supply service thanks to our big stock of prematerial and finished products.



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