TPS Technitube Röhrenwerke GmbH is your partner for OCTG. Besides manufacturing premium tubing of highest quality, we are also highly specialized in the production of Pup Joints and other accessories. Our production facilities allow an individual and cost-effective new production. Thanks to a big stock of prematerial, we can realize short lead times for your requirements. To support our clients, we have set up the biggest Tubing Pup Joint stock in Europe with more than 3,500 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.

What is a Pup Joint?
Pup Joints are shorter versions of tubing and casing, used to adjust the length of a string to its’ exact requirements. There are many different cases where Pup Joints are necessary: to reach an exact reservoir depth, for setting packers at an exact location within the borehole, to space out your string prior to hanging it and many more.

What are the benefits?
Pup Joints are a mandatory party of equipment in almost any well. Due to their shorter length, they are typically easier to handle and to use. At the same time, they provide the same performance as the tubing/casing/drill pipe that they are attached to. TPS Pup Joints have a lot more advantages beyond that.
What advantages do TPS Pup Joints offer you?

- You have access to the biggest Tubing Pup Joint stock in Europe, more than 3,500 pcs ready on stock
- You get TPS Pup Joints with premium & standard connections
- TPS is your specialized partner that can realize individual requirements
- You get even single pieces, either from stock or from new production
- You get Pup Joints directly from the mill, which reduces costs & purchasing coordination
- Huge stock of prematerial to realize quick deliveries from individual new production for your needs
- TPS uses the most modern production facilities for inside & outside machining
- Fabrication in any length and single piece weight of 8 tons possible

Stock sizes:

<table>
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<tr>
<th>Size</th>
<th>1.315”</th>
<th>1.66”</th>
<th>2.7/8”</th>
<th>3 ½”</th>
<th>4”</th>
<th>4 ½”</th>
<th>5”</th>
<th>5 ½”</th>
<th>7”</th>
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</table>

Stock Grades:

<table>
<thead>
<tr>
<th>Service</th>
<th>Standard Service</th>
<th>Sour Service</th>
<th>High Chromium Grades</th>
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</thead>
<tbody>
<tr>
<td>J/K-55</td>
<td>J/K-55</td>
<td>T-95</td>
<td>13Cr80</td>
</tr>
<tr>
<td>N/L-80</td>
<td>N/L-80</td>
<td>C-95 SS</td>
<td>13Cr95</td>
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<tr>
<td>P-110</td>
<td>P-110</td>
<td></td>
<td>Other grades</td>
</tr>
</tbody>
</table>

Stock lengths:

- 1 ft up to 20 ft
- Individual lengths available on request!

Available Connections:

- **TPS MULTISEAL-TS-8/6/4**
  - premium integral upset 2-step connection with up to 3 recuts.
  - MS-TS-6 is CAL IV tested

- **TPS TECHNISEAL**
  - premium coupling connection

- **API EU, NU, BC, LC**
  - standard API tubing & casing connections

- **DRILL PIPE**
  - Drill Pipe Pup Joints with standard API connections

other proprietary connections available upon request

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**TechniStock OCTG**

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A company of Techniropa Holding GmbH and the LEPPER foundation.

See more of our OCTG, Tubulars and Accessories supply range at www.tpsd.de