#### Pup Joints, Blast Joints and Flow Couplings

Diameters	23/8, 27/8, 31/2, 41/2
Weights	Standard, heavy walls available on request
Lengths	2-, 3-, 4-, 6-, 8-, 10-, 12-ft or >
Blast Joint Lengths	10-ft and 20-ft
Grades	J55, L80, N80, P110
Connections	NUE, EUE, USS Improved Buttress, TTS-6™, TTS-8™
Other options	<ul> <li>Bullet nose on EUE connections</li> <li>Internal plastic coating</li> <li>Premium upsets, heat-treated grades</li> <li>Perforated pup joints with our standard pattern, or perforated to your specification up to 1"</li> <li>J55 full body normalized after upset upon request</li> <li>Special lengths</li> <li>Cross-over connections such as EUE x NUE</li> <li>Pin x pin, Pin x box, etc</li> </ul>



Tejas Tubular is the largest manufacturer of API pup joints in North America. All of our pup joints are manufactured from the highest quality API seamless tubing and mechanical tubing, meeting and exceeding API and customer specifications.

#### **Seamless Tubing**



Quality Assurance / Quality Control
25 years in the business with no
failures on our pup joints!



#### **PROFESSIONAL AFFILIATIONS**

- International Association of Drilling Contractors (IADC)
- American Petroleum Institute (API)
- National Minority Supplier
  Development Council (NMSDC)



### Tejas Tubular Products, Inc.

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# DO YOUR PUP JOINTS REALLY MEET ALL API REQUIREMENTS?

- Full Body Ultrasonic Inspection
- Dedicated Hydro Testing Line



**PUP JOINTS**BLAST JOINTS & FLOW COUPLINGS

MANUFACTURING PROCESS AUTOMATED LINE



#### Upsetting

Upset forging is a process by which a plain end blank is upset at each end to increase the cross section area. We have innovated upsetting by automating our handling table. This automated handling table not only helps us upset at different lengths safely, but also helps us to get pup joints to the highest degree of consistency and accuracy.



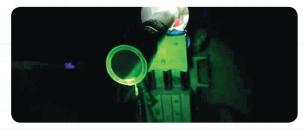
#### **Profiling**

We also manufacture pup joints by profiling from heavy wall mechanical tubing. Profiling of pup joints are done in a high precision and tolerance CNC in order for us to achieve a high level of dimensional tolerances and surface finish.



#### **Hydro Testing**

Tejas Tubular hydro tests all of its pup joints. This non-destructive test uses water pressure and a pressure recorder to determine possible leaks. Our modernized tester can be adjusted to accommodate various lengths of pup joints, and test them at various pressures as required by API and customer specifications.



#### **Special End Area Inspecting**

The wet magnetic particle test is a non-destructive test that detects surface and shallow subsurface defects. Pup joints are inspected for longitudinal and transverse defects using this inspection method.

## Tejas Tubular is the industry leader in heat treat and sets the benchmark for the heat treatment of pup joints.

We have exclusively designed a line which heat treats each pup joint individually. This setup is versatile and dynamic, as it can be adjusted for various lengths of pup joints and modified accordingly. This gives us the advantage of catering to the needs of our customers extremely quickly. All pup joints are re-straightened after heat treat to ensure the highest quality.



Tejas Tubular has a custom & automated Full Body Ultrasonic Inspection system to inspect its tubing pup joints.

We are the first in the industry to build and use a Full Body Ultrasonic Inspection for pup joints to ensure there are no defects on the external and internal surface longitudinal and transverse.



This inspection has greater accuracy than other non destructive tests, one reason is its high penetrating power to allow detection of defects deep in the pup joints. The Full Body UT also has high sensitivity which allows it to detect exceptionally small deficiencies. This inspection ensures that our customers receive the best quality pup joints on the market.



Tejas Tubular now has an automated line that will take the pup joints from inspection to finish. This will not only increase the safety of our employees but also increase the overall production of pup joints.



#### **CNC Threading**

Tejas Tubular pup joints are threaded to the requested connection per customer specifications on our high speed CNC machines; producing the highest quality threads. We also bullet nose all EUE pup joints which allows our customers the flexibility to utilize internal plastic coating.





#### **Paint**

The final process will take the pup joints into the painting area. Each pup joint will then be coated with a paint color according to their grade.

