

**OCTG**

**CASING & TUBING**

OCTG-CASING & TUBING





At Axis Pipe and Tube we are committed to help our Partners in the Oil and Gas Industry achieve superior results. We do this by supplying premium quality Oil Country Tubular Goods (OCTG) from our geographically advantageous location at the heart of the energy industry. Thus, delivering what our customers need to stay focused on what they do best.

We use the latest in manufacturing technologies to serve Partners who require a wide range of specifications, and we can supply products according to international standards such as API 5CT, API 5L, ASTM A53, ASTM A500 and ASTM A252.



## OCTG

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Our OCTG, Casing & Tubing products are manufactured with the highest quality standards using the latest technologies in Electric Resistance Welding - HFW. State-of-the-art walking beam natural gas heat treatment furnace lines provide quench and temper capacity for advanced high-strength high-collapse products.

Exceptional product quality is guaranteed through real-time monitoring of manufacturing processes and complete in-house metallurgical testing including collapse testing. Body and weld line inspection is completed after hydrostatic testing up to 15,000 PSI. Threading is completed on 4 axis CNC controlled lathes. Handling systems prevent damage during processing utilizing controlled prismatic chains which prevent pipe-to-pipe contact.

## CASING & TUBING

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### Capabilities

Specifications: API 5CT Latest Edition

Size Range for Tubing: 2<sup>3</sup>/<sub>8</sub>" through 4 1/2"

Size Range for Casing: 4 1/2" through 16"

Wall Thickness: 0.190" through 0.625"

Grades: J55, N80, L80, P110. Controlled Yield, High Collapse and Proprietary High Performance

Lengths: Range 2 & 3, up to 48 ft with the ability to cut to specified lengths

Ends: PE, SC, LC, BC, Axis HT Semi-Premium, NU, EUE

Coatings: Lacquer

Heat Treatment & Threading: 2<sup>3</sup>/<sub>8</sub>" through 9<sup>5</sup>/<sub>8</sub>"

Services for larger than 9<sup>5</sup>/<sub>8</sub>" available upon request

Hydrostatic Testing: Up to 15,000 PSI

Non-Destructive Testing: Weldline UT, WMPI SEA and full body EMI



## CASING

Size (in)	O.D. (in)	Wall	Weight		Drift	
			T&C lb/ft	PE lb/ft		
4 1/2	4.500	0.205	9.50	9.41	3.965	
		0.224	10.50	10.24	3.927	
		0.237	11.00	10.80	3.901	
		0.250	11.60	11.36	3.875	
		0.271	12.60	12.25	3.833	
		0.290	13.50	13.05	3.795	
5 1/2	5.500	0.244	14.00	13.71	4.887	
		0.275	15.50	15.36	4.825	
		0.304	17.00	16.89	4.767	
		0.361	20.00	19.83	4.653	
		0.415	23.00	22.56	4.545	
		0.476	26.00	25.56	4.423	
		0.500	26.80	26.72	4.375	
		0.530	28.40	28.16	4.315	
		0.231	17.00	16.72	6.413	
		0.272	20.00	19.56	6.331	
7	7.000	0.317	23.00	22.65	6.250	AD
		0.362	26.00	25.69	6.151	
		0.408	29.00	28.75	6.125	AD
		0.453	32.00	31.70	6.000	AD
		0.498	35.00	34.61	5.879	
		0.540	38.00	37.29	5.795	
		0.300	24.00	23.49	6.900	
		0.328	26.40	25.59	6.844	
7 5/8	7.625	0.375	29.70	29.06	6.750	
		0.430	33.70	33.07	6.640	
		0.500	39.00	38.08	6.500	
		0.562	42.80	42.43	6.376	
		0.595	45.30	44.71	6.310	
		0.625	47.10	46.77	6.250	
		0.264	24.00	23.60	7.972	
		0.304	28.00	27.04	7.892	
		0.352	32.00	31.13	7.875	AD
		0.400	36.00	35.17	7.700	
8 5/8	8.625	0.450	40.00	39.33	7.625	AD
		0.500	44.00	43.43	7.500	
		0.557	49.00	48.04	7.386	
		0.312	32.30	31.06	8.845	
		0.352	36.00	34.89	8.765	
		0.395	40.00	38.97	8.750	AD
9 5/8	9.625	0.435	43.50	42.73	8.625	AD
		0.472	47.00	46.18	8.625	AD
		0.545	53.50	52.90	8.500	AD
		0.595	58.40	57.44	8.375	AD
		0.609	59.40	58.70	8.251	
		0.625	61.10	60.13	8.219	
		0.279	32.75	31.23	10.063	
		0.350	40.50	38.91	9.894	
		0.400	45.50	44.26	9.875	AD
		0.450	51.00	49.55	9.694	
10 3/4	10.750	0.495	55.50	54.26	9.625	AD
		0.545	60.70	59.45	9.504	
		0.595	65.70	64.59	9.504	AD
		0.330	48.00	46.02	12.559	
		0.380	54.50	52.79	12.459	
		0.430	61.00	59.50	12.359	
13 3/8	13.375	0.480	68.00	66.17	12.259	
		0.514	72.00	70.67	12.250	AD
		0.375	65.00	62.64	15.063	
		0.438	75.00	72.86	14.937	
16	16.000	0.495	84.00	82.05	14.823	

## TUBING

Size (in)	O.D. (in)	Wall (in)	Nominal Weight			Drift (in)
			Non-Upset T&C (lb/ft)	Ext. Upset (lb/ft)	PE (lb/ft)	
2 3/8	2.375	0.190	4.60	4.70	4.44	1.901
		0.218	5.10	5.30	5.03	1.845
		0.254	5.80	5.95	5.76	1.773
		0.261	6.00	6.20	5.90	1.759
		0.217	6.40	6.50	6.17	2.347
2 7/8	2.875	0.276	7.80	7.90	7.67	2.229
		0.216	7.70	-	7.58	2.943
3 1/2	3.500	0.254	9.20	9.30	8.81	2.867
		0.224	10.50	-	10.24	3.927
4 1/2	4.500	0.271	12.60	12.75	12.25	3.833

Products may be manufactured to conform to additional project or client specifications, after technical review and written mill acceptance.

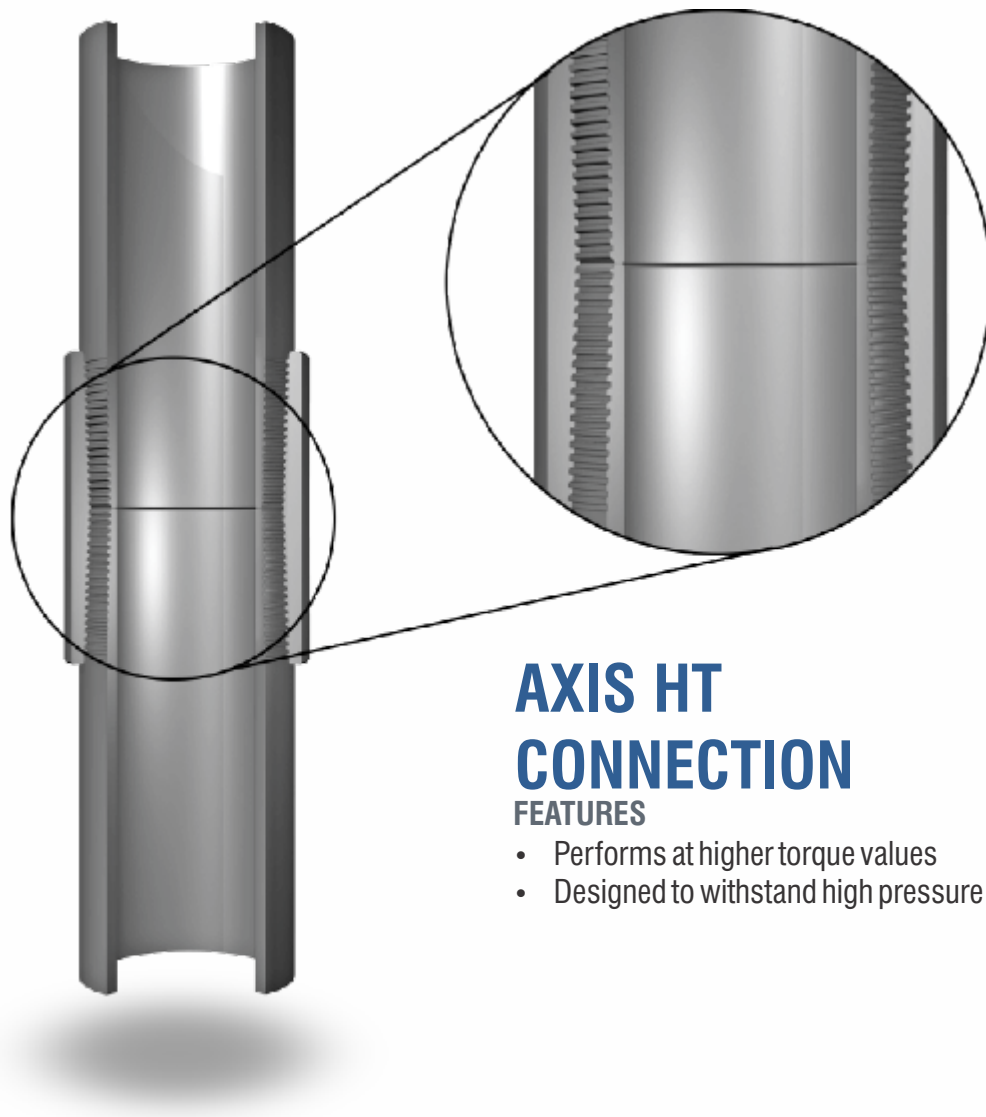
Minimum quantities may be required for production.

AD=Alternate Drift.

## Axis HT Semi-Premium

Axis Pipe and Tube's semi-premium threaded and coupled connection, provides increased torque, as well as increased torsion and compression resistance, allowing operators the ability to maneuver their casing string through the most difficult areas in the wellbore.

Axis High Torque connection is currently available in OD sizes from 4 ½" to 7 ⅝" (additional sizes available upon request). A 10 roll straightener provides precise ovality control resulting in a perfect end for Axis HT threading. A robotic threading inspection ensures the accuracy of each thread, and the automatic coupling bucking system guarantees the connection is properly configured and ready for use in the field.



### AXIS HT CONNECTION

#### FEATURES

- Performs at higher torque values
- Designed to withstand high pressure

CALL TO ORDER 979-599-7600

# BENEFITS

- Buttress compatible connection
- Easy make-up connection control
- Increased torsion and compression resistance
- High torque-to-yield rating
- Eliminates possible pin turning in coupling if string is rotated
- Standard down-hole and BOP accessories are totally compatible with the connection
- Using API connection design provides improved economics
- Matches joint strength of standard buttress connections
- Provides a flush ID



AXIS HT CONNECTION				
Size (in)	Pipe O.D. (in)	Nominal Weight (lb/ft)	Yield Torque (ft*lb)	
			SMYS 80,000 PSI	SMYS 110,000 PSI
4 ½	4.500	11.60	8,000	9,700
		13.50	10,200	12,500
		15.10	*10,700	*13,000
5 ½	5.500	17.00	12,500	16,000
		20.00	18,000	20,800
		23.00	*18,600	26,000
7	7.000	23.00	*17,000	*22,000
		26.00	*21,800	28,000
		29.00	*26,300	39,900
7 5/8	7.625	26.40	-	37,000
		29.70	-	43,600

\*Rated but not tested

CALL TO ORDER 979-599-7600

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