



Aluminum Drill Pipe (ALDP)

Performance and Savings Using Hybrid Drill Strings



OFFERED ON A RENTAL BASIS

- Drill up to 30% longer laterals
- Increase ROP up to 25% sliding in the curve and lateral
- Increase over-pull margin and safety of operations
- Reduce surface torque by 30%
- Increase working depth of smaller rigs which lowers costs

Aluminum Drill Pipe Dimensional Data

AL Grade - 2014-T6					
Size	(inches)	4.5"	5.0"	5.5"	5.875"
Connection	(type)	NC46/50	NC50	5 1/2" IF	5 1/2" IF
O.D.	(inches)	4.6"	5.15"	5.68"	5.743"
I.D.	(inches)	3.6"	4.1"	4.68"	4.68"
Tensile	(lbf)	374,000	442,000	472,000	505,000
Torsional	(ft-lbs)	33,300	44,700	54,100	58,000
Collapse	(psi)	11,700	10,700	9,330	9,330
Burst	(psi)	11,000	10,300	9,390	9,390
Capacity	(Gal/Ft)	0.54	0.71	0.92	0.92
AL Density	(lbs/in3)	0.101	0.101	0.101	0.101
Displacement	(Gal/Ft)	0.400	0.490	0.550	0.550
Weight	(lbs/ft)	11.34	13.64	14.6	15.44

AITISS TECHNOLOGIES aluminum drill pipe (ALDP) rental programs are unique in the drilling industry. We are the only service company focused on the engineered application and rental of ALDP. Our strong material science and metallurgical background, years of drilling experience and ongoing ALDP projects support its increased usage in horizontal wells both onshore and offshore.

At AITISS we focus on offering our customers complete satisfaction with the best drilling practices. We are always working on better ways to save our customers time and money. Some of the additional advantages of allowing AITISS to meet your needs are:

AITISS ALDP ADVANTAGES

- DrillScan dynamic modeling evaluates and compares an all steel DP string to a hybrid steel and ALDP string
- Hook-load reduction
- Torque and Drag Reduction
- Increased ROP during sliding
- Unique ALDP inspection technologies and criteria

Please contact us and let us show you how we can improve your drilling program by reducing cost and time and enhancing your drill string capabilities.



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