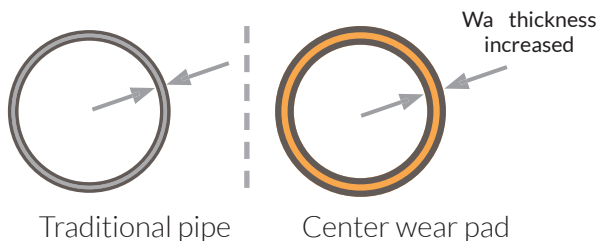




ANTI-COMPRESSION ELEMENT

The centralizing nature of the ACE™ wear pad **increases effective stiffness** of the drill string, allowing for drilling **straighter horizontal sections** with **reduced torque and drag** caused by compression-induced bending and buckling.

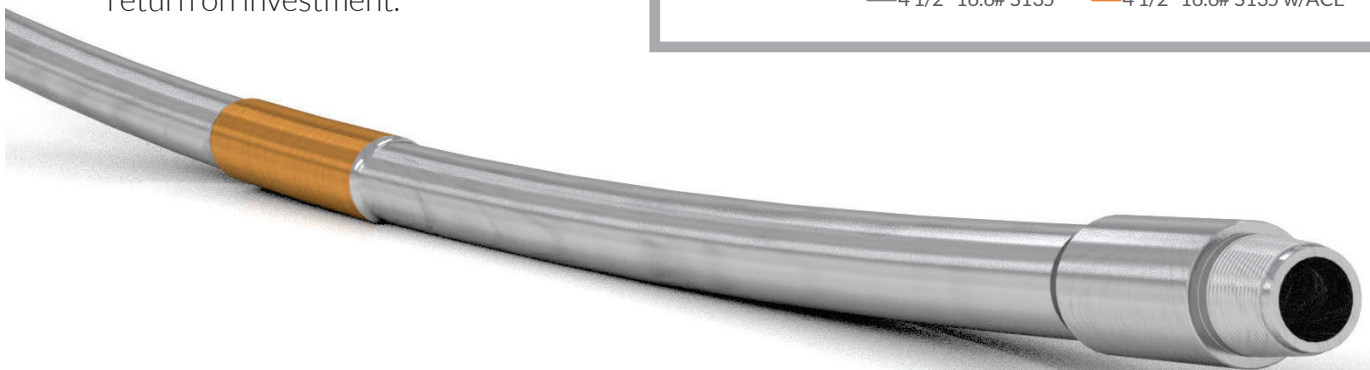
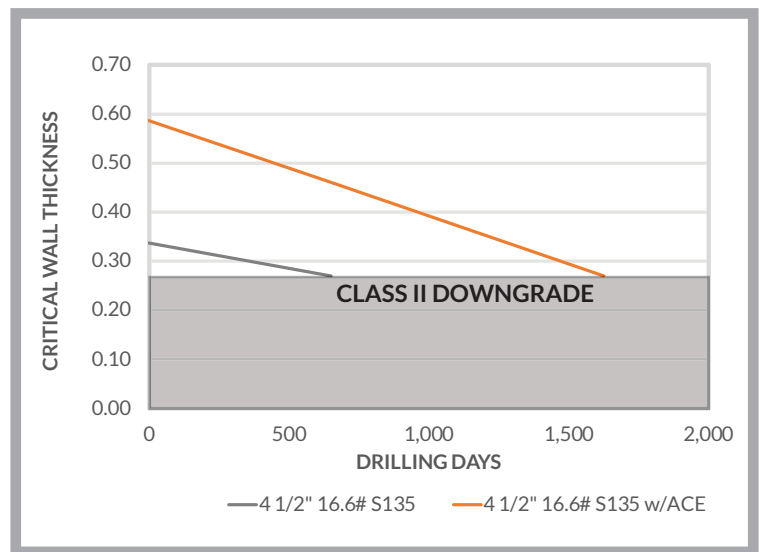
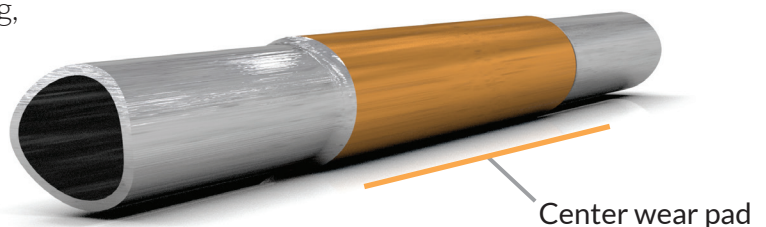


Integrally manufactured tube is upset and manufactured to size, with increased wall thickness in the center wear pad region.

This results in an estimated **2.50x increase** in drilling days until pipe downgrades, resulting in a dramatically improved return on investment.

Complete Group has designed and developed the **ACE™** technology to extend the life of a drilling tubular when faced with even the most abrasive slim-hole drilling conditions.

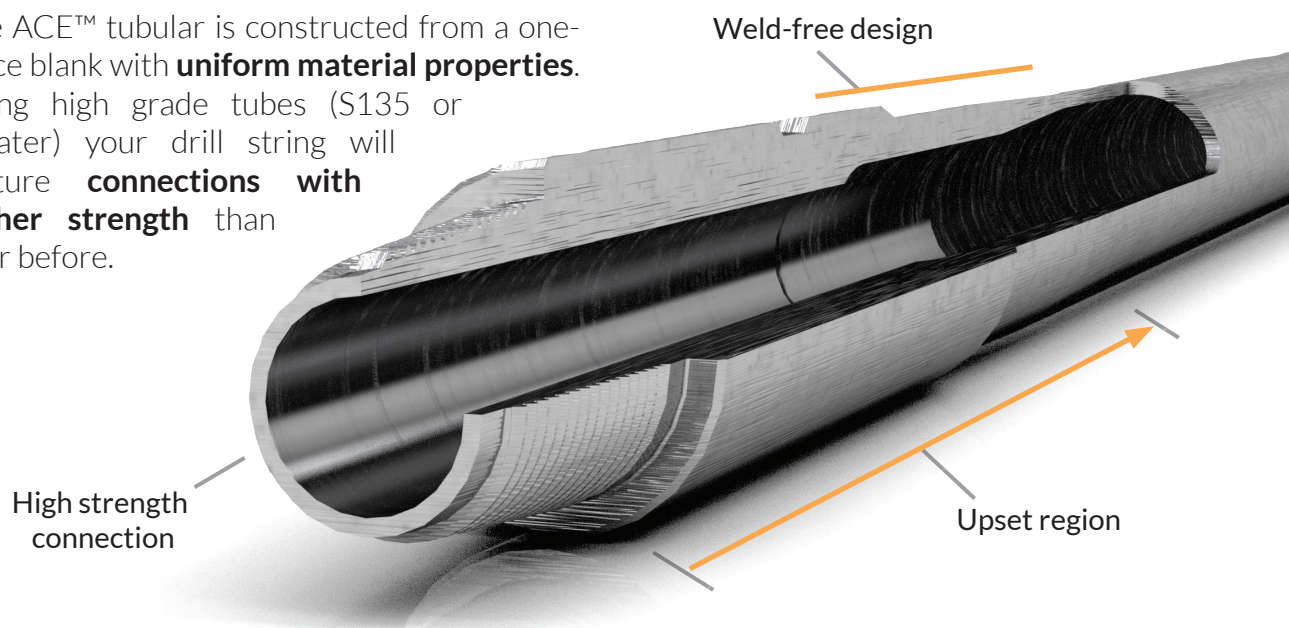
The ACE™ **center wear pad** has been designed to strengthen the tube body where it needs it most, resulting in an elimination of early downgrades due to low wall thickness.





ANTI-COMPRESSION ELEMENT

The ACE™ tubular is constructed from a one-piece blank with **uniform material properties**. Using high grade tubes (S135 or greater) your drill string will feature **connections with higher strength** than ever before.



		Welded Drill Pipe				ace			
		NC40	DS40	DS40	400 DUO	DS40		400 DUO	
Tube Size	in	4	4	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
Pipe Grade		S135	S135	S135	S135	S135	V150	S135	V150
Tool Joint Yield	ksi	120	120	130	130	135	150	135	150
Rec. Makeup Torque	ft-lbs	13,500	19,700	21,200	29,200	22,200	24,600	30,300	33,600
Max Makeup Torque	ft-lbs	--	--	--	31,600	--	--	32,800	36,400

** custom weights, tool joints, wear pad OD's, profiles, and lengths available - please inquire

The ACE™ drilling tubular is available in nearly **limitless configurations** including multiple sizes and weights, **customized wear pad layouts**, along with various tool joint and connection options including Complete Group's industry first *multi-taper* **DUO rotary shouldered connection**.