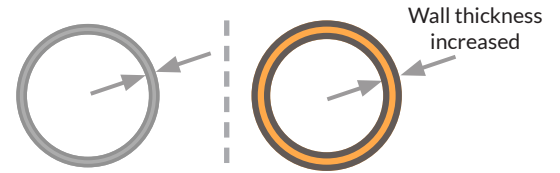


ace™

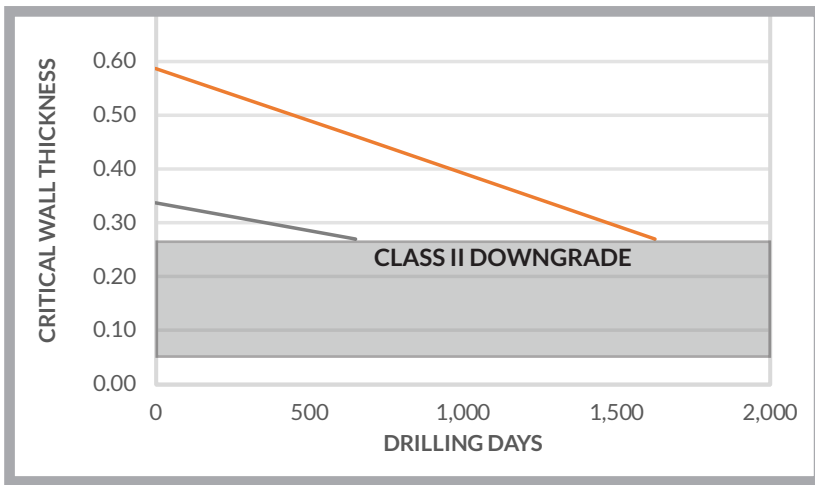
ANTI-COMPRESSSION ELEMENT

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.



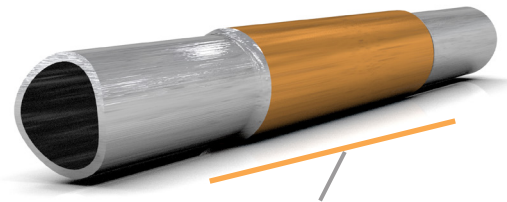
Complete Tubular Products has designed and developed the **ACE™** technology to extend the life of a drilling tubular when faced with even the most abrasive slim-hole drilling conditions.

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.

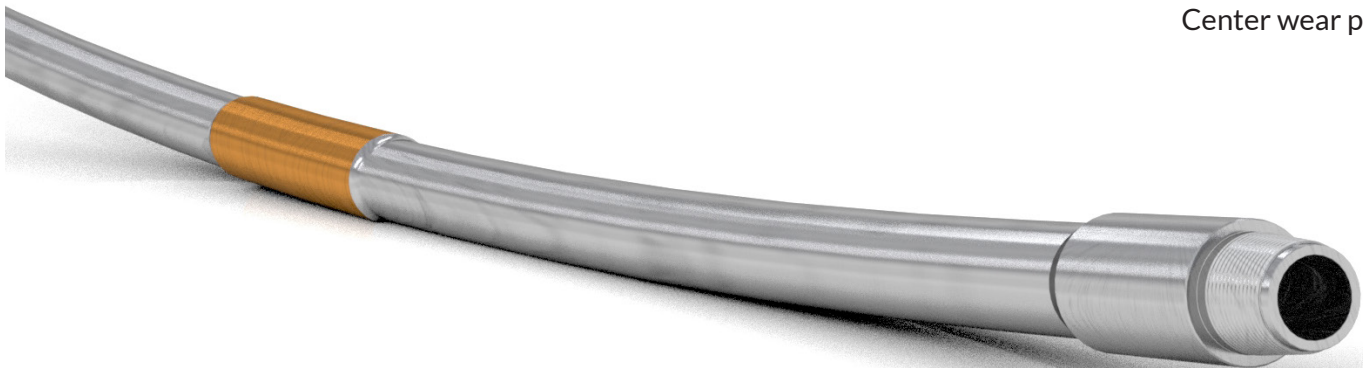


Integrally manufactured tube is upset and manufactured to size, with increased wall thickness in the center wear pad region.

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



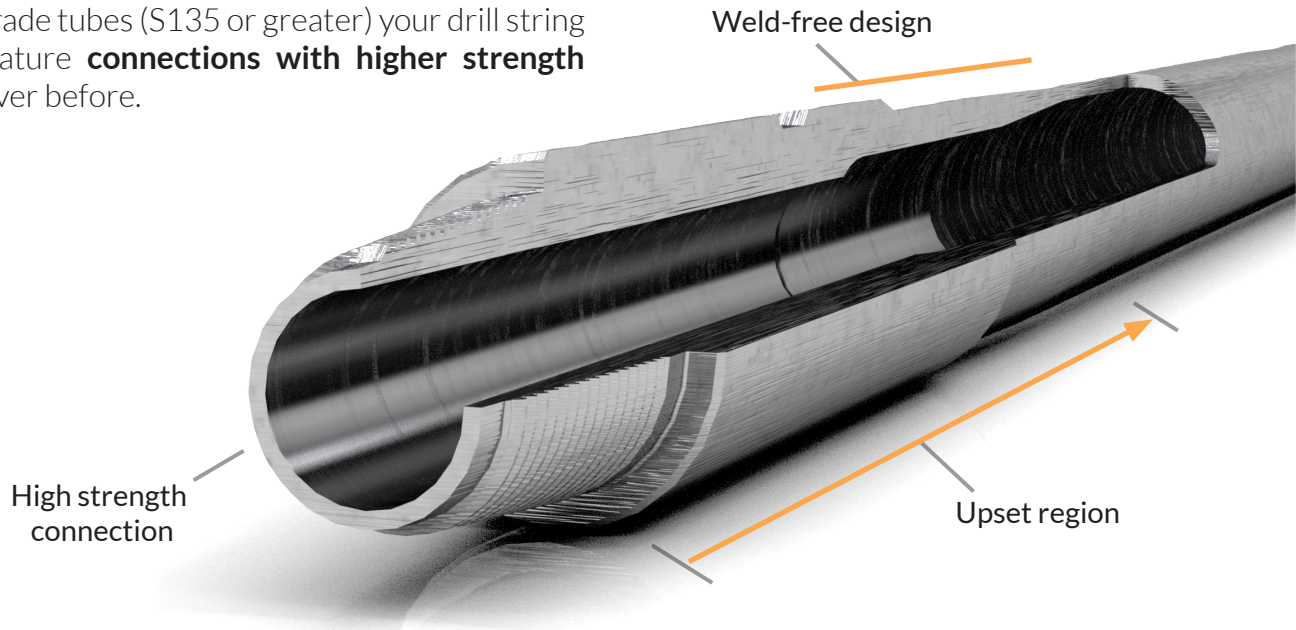
Center wear pad





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

** 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 Tubular Products' industry-first *multi-taper* **DUO® rotary shouldered connection**.