

# LINCOLN® GUARDIAN™ CF

Low Cost, Crack Free Tool Joint Hardbanding

Deeper drilling and higher service requirements have created a demand for a crack free hardband which provides superior performance over existing materials.

**GUARDIAN CF** satisfies the demands of well operators while being cost effective and user friendly for applicators.

- Industry leader for casing wear protection
- Applicable over other hardband materials
- Exceptional tool joint life
- Weldable by Open Arc process

In the Americas and China, **GUARDIAN CF** has provided a **300% lifetime improvement** over other casing-friendly hardband materials.



## Optimized for Crack Free Performance

Dye penetrant test shows the **GUARDIAN CF** hardband surface to be crack free.



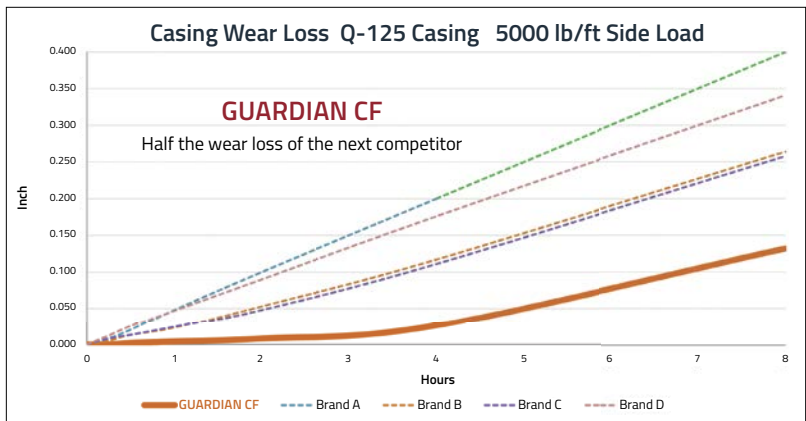
## Versatile Performer

Easy application over other hardbands.

	Guardian CF	Armacor	ARNCO 100XT	ARNCO 150XT	Duraband	Tuffband	TCS Titanium
<b>GUARDIAN CF</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>

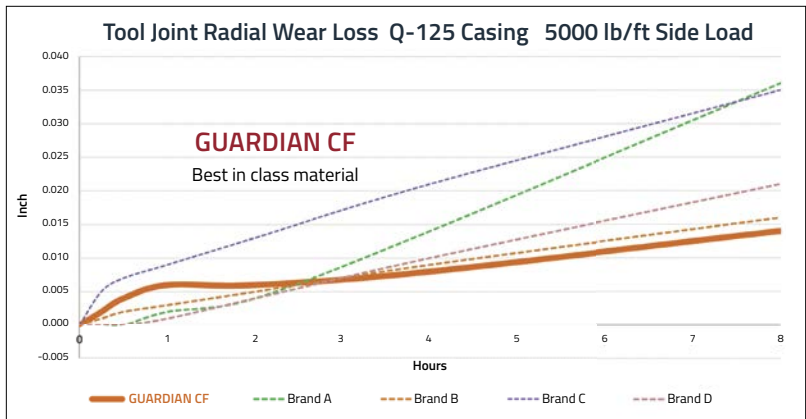
## Industry Leader for Casing Wear Protection

**GUARDIAN CF** improves casing wear protection by more than 100% when compared to competing materials in DEA-42 testing.



## Exceptional Tool Joint Wear Protection in Casing

In DEA-42 testing for tool joint wear protection in casing, **GUARDIAN CF** distances itself from competing materials.



### CUSTOMER ASSISTANCE POLICY

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