



# LaserShield™ coupling coating

## Latest innovation in protective coating technology

Introducing the new sucker rods coupling coating for critical services. Developed using cutting edge ultra-high speed laser material deposition technology.

### FEATURES AND BENEFITS

- **Superior erosion, corrosion, and abrasion resistance**
- **Lower coupling-tubing friction coefficient**
- **High strength base material**
- Extended tubing and coupling lifespan
- Reduced energy consumption
- Increased production levels
- Applicable for deep wells
- Increased fatigue resistance

Overall operational cost-savings

# LaserShield™

Top wear, corrosion and impact resistant coupling coating in the market



Lateral loads in wells with severe tortuosity increase the wear between the tubing and sucker rod coupling. With **LaserShield™** the tubing wear ratio is reduced at least halved when compared to the available couplings in the market.

## Ultra high-speed laser material deposition technology

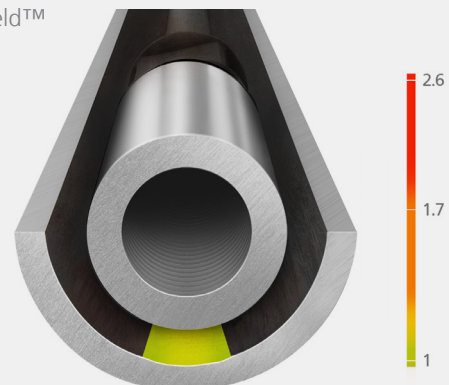


Following extensive research on technology and optimal selection of special coatings and base materials, Tenaris **LaserShield™** coupling coating comes to deliver outstanding performance in challenging wells. It has been manufactured with the highest quality standards in a safe and healthy environment, following strict control systems with an automated manufacturing process.

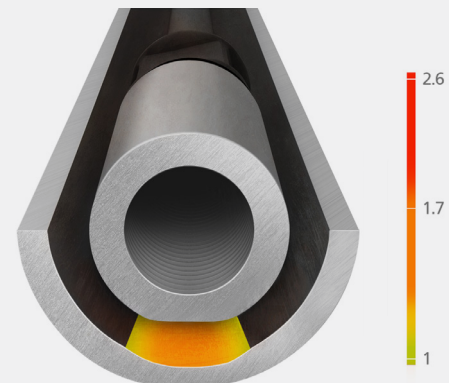
### WEAR RATE COMPARISON

Sliding wear lab tests in corrosive environment with 500 N side load

LaserShield™



API SM



API T

