

The logo for Stabil Drill, featuring the word "STABIL" in a bold, sans-serif font, followed by a stylized diamond-shaped icon containing a right-pointing arrow, and then the word "DRILL" in the same font style.

STABIL  **DRILL**

A large-scale industrial scene showing a massive metal pipe being processed by a machine. Bright sparks are flying from the point of contact between the tool and the pipe, creating a dramatic, high-contrast lighting effect. The background is dark, emphasizing the bright sparks and the metallic surfaces.

REINFORCE YOUR RUN WITH STABIL DRILL

HARDFACING AND HARBANDING

**CHOOSE THE PERFECT HARDFACING
OR HARBANDING OPTION FOR
YOUR WELL AND OBJECTIVE.**

Stabil Drill's hardfacing and hardbanding treatments use precision metallurgy and meticulous quality processes to reinforce conventional metals with wear-resistant, high-performance alloy overlays. This value-added protection strengthens specific surface areas and any part of the tool that takes a beating. Customers can choose from eight distinctive treatments.

**THIS PREMIUM TOOL TREATMENT
STRENGTHENS KEY SURFACES TO FIGHT
WEAR, PRESERVE RUN TIME, ACCELERATE
TIME-TO-TARGET DEPTH AND DELIVER
MORE VALUE IN THE FIELD.**

EXTEND

DOWNHOLE TOOL LIFE

IMPROVE

OVERALL BHA RUN TIME

OPTIMIZE

DRILLING ECONOMICS

TACKLE

TOUGH ENVIRONMENTS

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HB-1000 PTA HARDBANDING

This non-magnetic Plasma Transfer Arc (PTA) hardbanding contains 30 percent spherical tungsten carbide—delivering long-lasting wear resistance for downhole tools and drill collars requiring a non-magnetic wear band with magnetic permeability of less than 1.01u.



HFT-2000 PTA HARDFACING

The HFT-2000 non-magnetic PTA-applied hardfacing also contains 30 percent tungsten carbide, but with 3MM solid tungsten carbide tiles to help tools last longer. Great for downhole stabilizers, motor sleeve, kick pads, and RSS components.



HFT-3000 PTA HARDFACING

This PTA hardfacing also contains 30 percent tungsten carbide with 3MM solid tungsten carbide tiles, but works with a steel composition. Strong application for downhole stabilizers, motor sleeves and kick pads.



HF-4000 PTA HARDFACING

A resilient spray and fused hardfacing with 3–4MM tungsten carbide tiles. Offered with various thickness levels, these inserts are set in a deposit of nickel matrix spray that has exceptional bonding and can be certified via ultrasonic testing.

- Performs well in abrasive formations
- Offers fast and inexpensive repair
- Works with either 4145 steel and non-magnetic (special inserts and powders for each)
- Strengthens downhole stabilizers, motor sleeves and kick pads



HF-5500 HARDFACING

The HF-5500 tool reinforcement process is composed of a Metal Inert Gas (MIG) weld-applied tungsten alloy. This entails applying a cored metal wire filled with granular tungsten carbide in a nickel metal base matrix. Configure HF-5500 hardfacing for either 4145 steel or non-magnetic applications.

- Protects tool surfaces from extreme downhole abrasion
- Helps the tool resist corrosive downhole environments
- Employs multi-layered hardfacing construction
- Delivers consistency through precision application



HF-6000 PREMIUM TUNGSTEN HARDFACING

This tool treatment uses a high concentration of carbide to deliver superior-quality and cost-effective hardfacing suited for soft-to-medium drilling applications. The HF-6000 Premium Tungsten Hardfacing is composed of a crushed tungsten carbide material bonded by a nickel alloy matrix.

- Fights downhole wear for soft-to-medium applications
- Offers crushed tungsten carbide material via nickel alloy matrix
- Performs best at lower application temperatures
- Works only on 4145 steel components



HF-7000 STABIL TECH HARDFACING

For more extreme applications, the HF-7000 Stabil Tech Hardfacing combines tungsten carbide inserts set in by a layer of nickel and a thick layer of tungsten carbide.

- Provides rigorous wear protection in aggressive drilling formations
- Delivers a high degree of impact and wear protection
- Maintains strong protection against corrosion
- Features high bond strength for more confidence
- Works on 4145 steel



HF-9000 BLUESTEEL PTA

For the ultimate in BHA protection, HF-9000 BlueSteel PTA equips your tools with a hardfacing of 65% tungsten carbide applied via Computer Numerical Control (CNC) machine. The HF-9000 exhibits lower dilution rates than conventional hardfacing processes for fewer detrimental heat effects and a longer service life.

- Gives your tool superior wear resistance
- Strengthens downhole stabilizers, motor sleeves or kick pads
- Precision applied via CNC for consistently high performance
- Serves as the preferred tool treatment for the oilfield's most rigorous drilling environments



UPGRADE YOUR TOOL LIFE TODAY

Ready to make your downhole tools more resilient than ever? Our hardfacing and hardbanding experts can help you select the right treatment for your well, answer any questions and work with you on schedules, pricing and logistics. Wear test data is available upon request. Reach out to your Stabil Drill representative today, or call 337-837-3001.

STABILDRILL

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