



ROCK MORE
INTERNATIONAL
Rock Drilling Tools

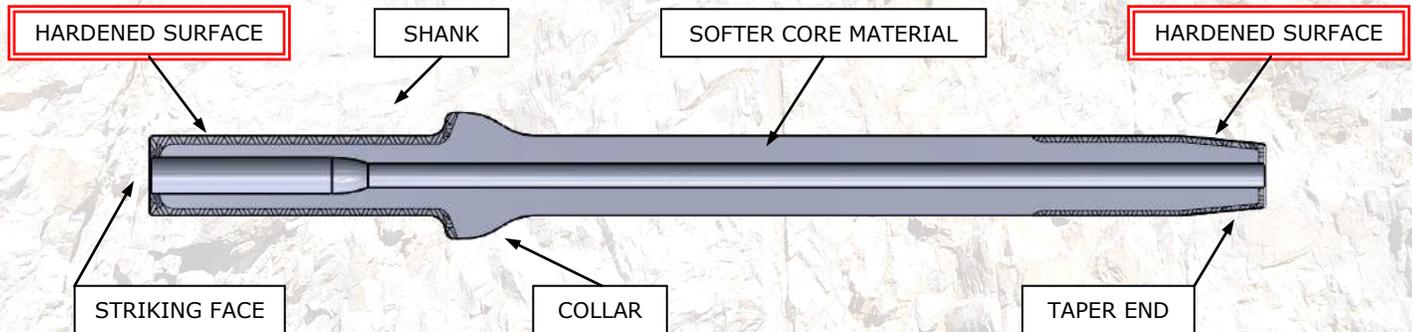


TAPERED DRILL RODS

HF vs. CARBURIZED HEAT TREATMENT

HF

HIGH FREQUENCY (HF / INDUCTION HARDENED) RODS RECEIVE HEAT TREATMENT ON THE SHANK AND TAPER ENDS. THE HF PROCESS IS APPLIED TO THE EXTERNAL SURFACE OF THE SHANK AND TAPER LOCATIONS TO CREATE A HARDENED HEAT TREATED LAYER. HF RODS ARE MORE FLEXIBLE AND MAY BE MORE SUITABLE FOR UNCONSOLIDATED ROCK TYPES. HF RODS ARE MORE ECONOMICAL IN CERTAIN CONDITIONS.



CARBURIZED

CARBURIZED RODS RECEIVE A CASE HARDNESS LAYER EXTERNALLY AND INTERNALLY (FLUSHING HOLE), PROVIDING RIGIDITY AND SURFACE RESILIENCE TO THE ENTIRE ROD. SUCH RODS ARE MORE RESISTANT TO BENDING AND CAN TRANSFER HIGHER TORQUE AND STRESS LOADS IN DEMANDING CONDITIONS. THE CARBURIZATION PROCESS CAN ALSO CONTRIBUTE TO LONGER FATIGUE LIFE AND PROVIDE RESISTANCE TO CORROSION.

