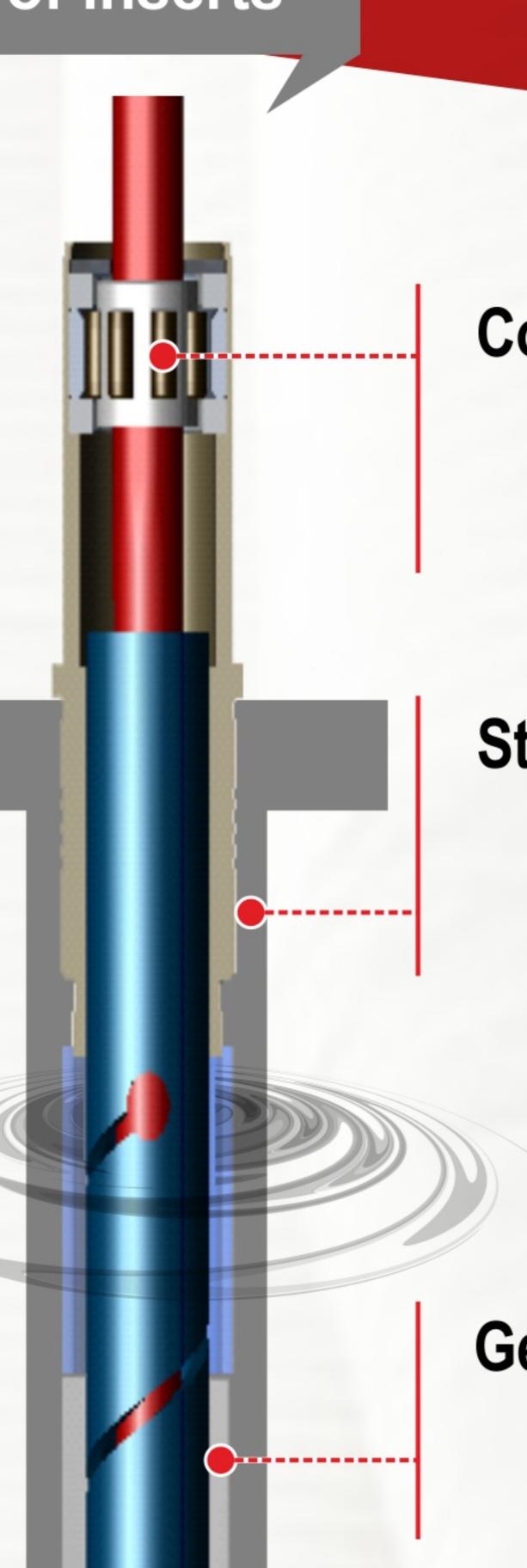




Spindles for high speed

HF series of inserts

upto 25000 mm (mechanical speed)



Compact roller bearing at neck

- § Small wharve dia (18.5 mm)
- § Minimum clearance
- § Saves power

Steel bolster

- § No chance of cracking of bolster
- § No blow holes ensures spindle remains lubricated
- § Quick heat dissipation extends relubrication cycle

German oil spool

- § Dampens vibrations
- § Facilitates uniform and continuous lubrication

Floating footstep with conical design

- § Minimum point contact of spindle blade tip with foot step bearing
- § Extremely low co-efficient of friction
- § Ensures continuous alignment of spindle top part axis with spindle insert axis

Axial/buffer spring

§ Absorbs axial load and protects spindle blade tip

spindles in operation across the globe



SPEED • DURABILITY • RELIABILITY