

Application Bulletin

Oil & Gas

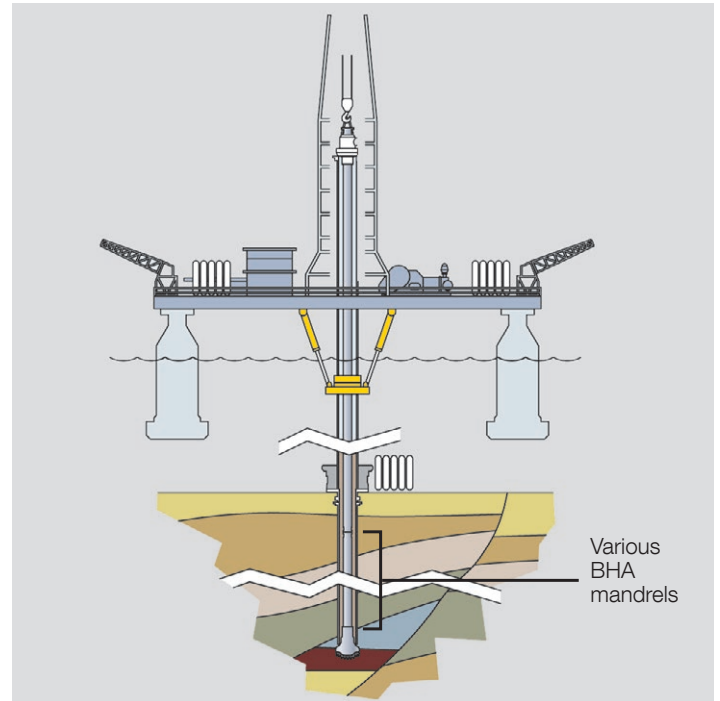
Down Hole Tools – Mandrels

Mandrels (kicker, jar, stabilizer, etc.) carry and support essential drill string tools and often bear the transmitted torque on the drill string. Usually comprised of alloy or carbon steel, mandrels are subject to abrasion, slurry erosion and corrosion. Mandrels in contact with other bottom hole components may also be exposed to galling. These forces limit the mandrel down hole life, thereby increasing maintenance costs.

The Oerlikon Metco Solution

Protect mandrels using Oerlikon Metco carbide materials applied using our HVOF liquid-fuel technology to resist abrasion, slurry erosion, galling and corrosion.

- Extend mandrel service life
- Reduce replacement costs
- Increase drilling uptime



Recommended Oerlikon Metco Products

WOKA 3552	For wear-resistant coatings in seawater environments
WOKA 3652	Highly wear resistant; good corrosion resistance in alkaline or acidic drill mud
WOKA 3602	Extremely wear resistant; good corrosion resistance in alkaline or acidic drill mud
WokaStar	HVOF liquid-fuel thermal spray application systems

More Information

DSM-0398
DSM-0221
DSM-0306
HVOF Solutions

Information is subject to change without prior notice.