

## Application Bulletin

### Oil & Gas

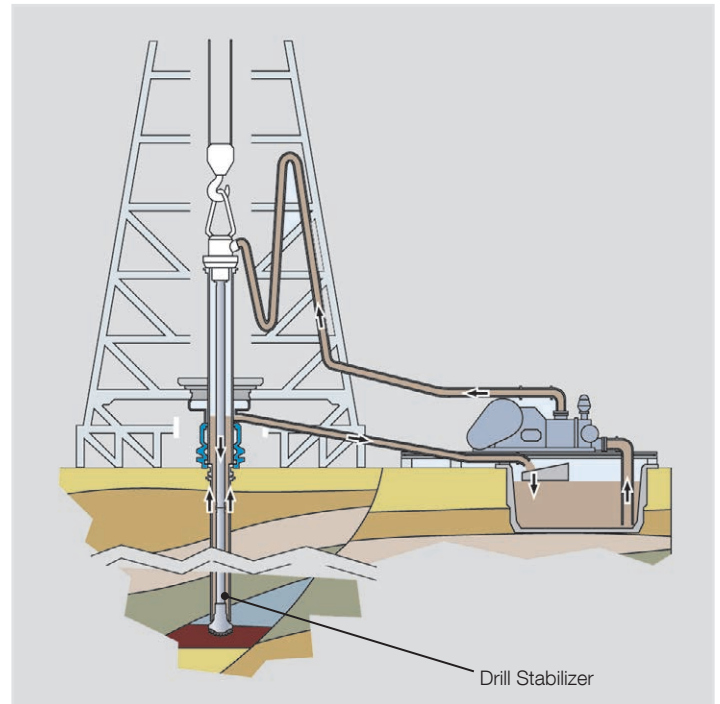
### Down Hole Tools – Drill Stabilizer

**Drill stabilizers prevent unintentional sidetracking and vibration of the bottomhole assembly. While drilling, the stabilizer blades are subject to extreme slurry abrasion. Sand or gravel exposure results in additional impact and slurry erosion wear. Damage to the blades can result in an undesired drillstring trip for change out.**

#### The Oerlikon Metco Solution

Protect drill stabilizers using wear- and abrasion-resistant Oerlikon Metco carbide materials applied by laser cladding, PTA or MIG welding processes.

- Extend drill stabilizer service life
- Reduce replacement costs
- Increase drilling uptime



#### Recommended Oerlikon Metco Products

MetcoClad 52052	For laser cladding with low quench porosity and high hardness
MetcoClad 52001	High hardness carbide for blending with your laser cladding matrix alloy
PlasmaDur 51142	High hardness, macrocrystalline carbide blend material for PTA welding
PlasmaDur 51937	Extremely hard, self-fluxing PTA material with excellent abrasion resistance
WokaDur NiE-TM	For high hardness and abrasion resistance using MIG welding

#### More Information

DSMW-0014
DSMW-0015
DSMW-0001
DSMW-0013
DSMW-0021

Information is subject to change without prior notice.