

# KEY-SEAT WIPERS

In high angle holes, a keyseat, an indentation or slot appearing on the high side of the wellbore, can develop. This condition can prohibit BHA components from passing through the hole. **Spidle Turbeco** offers two types of Keyseat Wipers: Fixed and Clutched. The clutch utilizes a mandrel and sleeve with tungsten carbide dressed blades. When a keyseat is detected, the tool is raised or lowered to engage it, then it rotates and cuts the obstruction, thus allowing full clearance for drill collars and all BHA components.

## Fixed Blade



## Clutched

(Double and Single Clutch Available)

