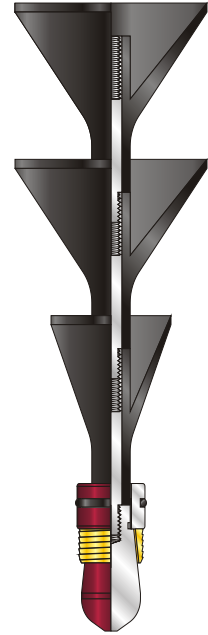




## *Drillpipe Dart (DPD)*

Weatherford's drillpipe dart (DPD) is used to wipe the inside of drillpipe and running tools, either behind or in front of cement, providing a mechanical barrier between the cement and spacer fluid or between the mud and the cement. The DPD can then be used to launch a compatible wiper plug.

The DPD is launched from the cementing head and displaced through the drillpipe and running tools by either cement or spacer fluid. When the DPD reaches the wiper plug at the bottom of the running tool string, it latches into the plug and seals. Differential pressure across the plug launches the plug. When the DPD is in the wiper plug, it is rotationally locked by a latch ring.



### *Applications*

- Wiping drillpipe in conjunction with a single-wiper plug (SWP), dual-wiper plug (DWP), or combination wiper plug (CWP)
- Wiping drillpipe before it is pulled out of the hole

### *Features, Advantages and Benefits*

- Composed entirely of PDC-drillable materials (aluminum and HNBR), the DPD allows trouble-free drill-out, helping to conserve rig time.
- Latch ring rotationally locks the DPD to the wiper plug. This feature facilitates drill-out, reducing rig time.
- Seal ring provides a positive bi-directional seal with the wiper plug when the DPD latches in, allowing for a positive shear indication when the plug is released and enabling Weatherford wiper plugs to withstand a high differential pressure when bumped.
- Fins and O-rings are made of peroxide-cured HNBR as standard, which is suitable for most well conditions.
- Modular design provides operational flexibility. With this feature, the DPD can be customized to suit the drillpipe used in the application.

### *Specifications*

Contact an authorized Weatherford representative.

### *Options*

- Parker Flex Plug (RedKey) fins are standard, but models that incorporate cups and backup rings for fins are also available on request.