

# Archer Wear Bushing (AWB)

## Reduces Rig Time



The Archer Wear Bushing (AWB) is designed to allow installation and retrieval of the wear bushing combined with other operations. This saves the operator dedicated wear bushing installation and retrieving trips.

The AWB and its running tool are designed to continue run in hole once the wear bushing is installed. Retrieval of the wear bushing is done as the BHA is pulled out of hole. The AWB runs as an integrated part of a drill string BHA. This could typically be cleaning tools, bridge plugs, cementing tools, casing cutting tools or a combination of these.

The AWB has a sturdy design, a feature that allows the drill string to be rotated and reciprocated thru the AWB without fear of damaging the internal surfaces of the wellhead equipment and top of the last casing. Sufficient flow bypass in running tool eliminates flow restriction during drill string operations.

The AWB consists of a wear bushing and a one-piece body running tool with latch dogs to install and retrieve the AWB. Once the AWB is installed, RIH can continue by un-latching from the AWB. The running and retrieving tools are designed to avoid wear and tear or damage to the riser and casing during the drill string operation. Once the drill string operations are completed the AWB is retrieved coming out of hole, this can be combined with retrieving the seal assembly in one run.

The AWB can be designed to replace the most common wear bushing designs.

### Benefits

- Eliminates dedicated run
- Saves Rig time
- Applicable for most operations
- Simple to run
- Possibility for multiple runs
- Withstand drilling and milling operations

### Features

- Run thru profile
- Latch in dogs
- One piece mandrel
- Large bypass areas for eliminating flow restrictions
- High strength materials

### Typical Applications

- Cut free slips on Liner Polished Bore Receptacle (PBR) and pull same
- Precision punching, cutting and retrieval
- To land on a firm point, perform an operation, collapse the tool and continue to run in hole/ deeper in the wellbore and perform the next operation.

### Specifications

Casing Size	Description	Running & Retrieval
13 3/8"	13 3/8" The Archer Wear Bushing for 13 3/8" 68 - 72# casing	7 1/4" Running Tool

Specifications may be subject to change