



2318 Grand Park Drive
Grand Junction, CO 81505
Phone: 970-242-1356
Fax: 970-241-1825
www.northwestmachine.com

INTERNAL CASING CUTTER INFORMATION

Northwest Machine Works, Inc.'s Internal Casing Cutters are expertly machined and assembled, using a simple and effective design. This one-of-a-kind design ensures cutter blade replacement and maintenance are as frustration-free as possible. Our unique casing cutters are easy to handle, and the hydraulically activated, single-blade operation provides smooth and efficient cutting, making our casing cutters just as easy to use.

GETTING STARTED – PLEASE READ ALL GUIDELINES BEFORE OPERATION

Our cutter is supplied with an NW Rod box connection that can be easily adapted to a suitable drive rod to supply rotation and water pressure to the unit.

- Upon locating the assembly within the drill string to be cut, the operator needs to start a slow rotation and carefully charge the drill rods. The water not only activates the cutter assembly, but also provides the necessary coolant to prevent the HSS cutter from burning up or breaking during the cutting process.
- **Gradually** increase the drive rod rotation to 60-80 rpm.
- Then, **slowly** increase the pump pressure to 200 to 300 psi.
- Please note that the larger the drill pipe to be cut, the slower the rotation will need to be to prevent the cutter from burning up.
- If the operator has a method of safely pulling on the pipe being cut, this will give the operator an indication when the section being recovered is freed and ready for retrieval.

****** These are starting guidelines only. Operating conditions will vary. ******

FEATURES

To make these cutters more useful and practical, we designed our NWC (3"), HWC (4") and PWC (5") cutters with fully interchangeable internal components. In fact, the single difference between the three sizes is the heavy duty cutter body. This means there are fewer repair and replacement parts to buy and stock in order to run and maintain multiple cutter sizes.

For more information, including complete parts breakdowns for our Internal Casing Cutters, please visit our website at: www.northwestmachine.com.
