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## **INTERNAL ROD/CASING CUTTER INFORMATION**

Northwest Machine Works, Inc.'s Internal Rod/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**

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 charge the drill rods and start a slow rotation. The water not only activates the cutter assembly, but also provides the necessary coolant to prevent the HSS cutter from burning up during the cutting process.
- Slowly increase the pump pressure to 300 to 400 psi.
- At the same time, also gradually increase the drive rod rotation to 200-300 rpm.
- 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.

As an added value, we offer a Casing Cutter Kit for each of the three sizes we currently manufacture: NWC (3"), HWC (4") and PWC (5"). Each convenient kit is loaded with one complete casing cutter, fully assembled and ready for use, as well as one complete rebuild kit. We pack it all securely in a hard-sided, key-locking case. This handy kit provides our customers with a great way to keep all of their cutter components together in one place.

For more information, including complete parts breakdowns for our Internal Rod/Casing Cutters, please visit our website at: [www.northwestmachine.com](http://www.northwestmachine.com).

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