



## PURPOSE

Used for resizing tubing and locating lost wire.

## APPLICATIONS

- Resizing tight spots and light collapses to tubing drift diameter.
- Cleaning knurled threads from tubing joints.
- Used as wire locator when fishing lost wireline in tubing.
- Swages can be used for centralizers when a threaded box is provided at the lower end.

## OPERATION

The swage is attached to a tool string with sufficient stem weight. The tool string is lowered to the obstruction, jarring downward until dropping through. Jarring upward, back through the tight spot. This procedure is repeated until swage passes the obstruction with little or no difficulty.

When using the swage attached to a tool string as a wire locator it is run down the well until the tool string hangs up. This indicates the upper end of lost wire since the swage will not pass wireline lost in tubing.

Once the swage has located the wire a couple of light downward jars will knurl the wire and may leave a wire mark on the swage that can be used for positive identification.

## PRECAUTIONS

Swaging Tools should be monitored for wear and damage after each use. After prolonged jarring the tool string should be pulled out and the joints checked for tightness.

Max O.D.	Thread Connection	Part Number	Fishneck
.95"	0.50"-13 UN	0101SW09501	0.75"
1.18"	0.625"-11 UN	0101SW11801	0.100"
1.51"	0.938"-10 UN	0101SW15101	1.187"
1.69"	0.938"-10 UN	0101SW16901	1.187"
1.91"	0.938"-10 UN	0101SW19001	1.375"
2.347"	0.938"-10 UN	0101SW23401	1.75"
2.906"	1.062"-10 UN	0101SW29001	1.75"
3.965"	1.062"-10 UN	0101SW39601	2.31"

**\* Inquire about custom sizes and fluted swaging tools. \***