

## Tubing Scrapers

### TUBING SCRAPERS

#### Overview

Obstruction-free tubing is critical for the efficient operation of many downhole tools during drilling, fishing, completion, or wireline jobs. The Tubing Scraper removes rust, scale, cement, mud, bullets, paraffin, perforation burrs, and other obstructions or foreign material from inside the walls of tubing. Logan Tubing Scrapers condition 2-7/8, 3-1/2, and 4-1/2 inch O.D. tubing.

#### Construction

The one-piece mandrel design is rugged and easy to maintain. The splined body locks each blade into an integral part of the body to insure absolute safety and security.

Two sets of blades provide maximum cutting surface area whether the tool is run for rotary or vertical operations, or run on drill pipe or wireline. The scraper blades are designed with a long taper for passing through tubing connections with minimal chance of hang up. Each blade is constructed from high quality cast steel for excellent scraping characteristics and long-lasting durability.

#### Assembly

The tubing scraper can be quickly and easily assembled and disassembled in the field.

Slide the upper blade into the mandrel, align the holes in the blade with the holes in the mandrel and install the blade retaining screws. Then slide the lower blade onto the mandrel, align the holes in the blade with those in the mandrel and install the blade retaining screws.

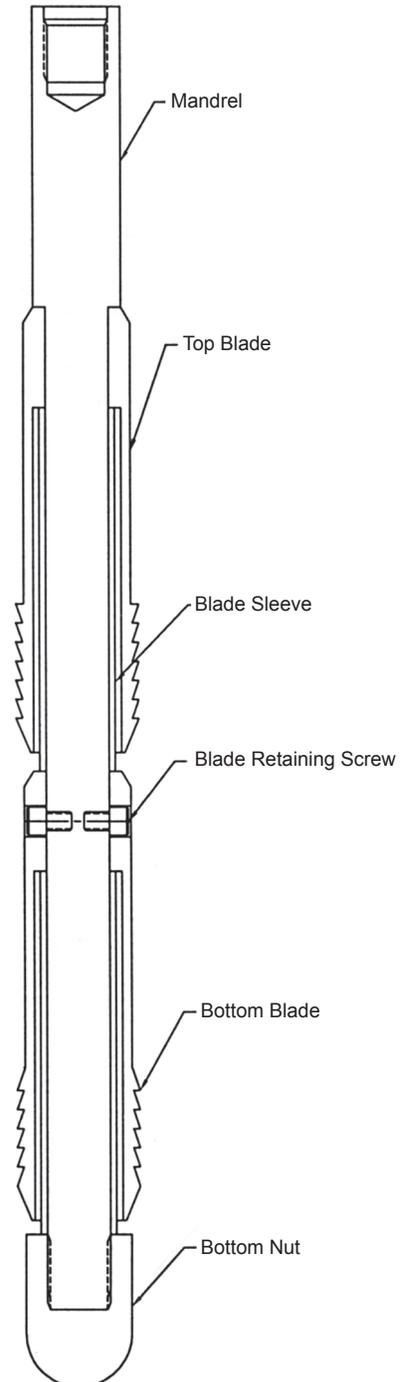
Install the bottom nut to complete the assembly.

#### Operation

The Tubing Scraper is normally made up to the work string. Simply run the scraper into the tubing using rotation or spudding to clean the inside of the pipe.

#### When ordering, please specify:

- (1) Name and number of assembly or part
- (2) Size and weight of tubing



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<b>SIZE TO SCRAPE (O.D.)</b>	2-7/8 Tbg	3-1/2 Tbg	4 Tbg
<b>WEIGHT (LBS)</b>	9.5 to 15.1		
<b>CONNECTION</b>	1-13/16	1-1/4	1-1/4
	WFJ	API Reg	API Reg
<b>TOOL O.D.</b>	2.10	2-1/4	2-1/4
<b>COMPLETE ASSEMBLY</b>	<b>508-213</b>	<b>508-225</b>	<b>508-225</b>
<b>MANDREL</b>	<b>AX1006</b>	<b>AX1007</b>	<b>AX1007</b>
<b>TOP BLADE</b>	<b>AX2006-A</b>	<b>AX2007-A</b>	<b>AX5007-A</b>
<b>BOTTOM BLADE</b>	<b>AX2006-B</b>	<b>AX2007-B</b>	<b>AX5007-B</b>
<b>BLADE SLEEVE</b>	<b>AX11000</b>	<b>AX11001</b>	<b>AX11001</b>
	No. Req'd	2	2
<b>BLADE RETAINING SCREW</b>	<b>AK4001</b>	<b>AK4001</b>	<b>AK4001</b>
	No. Req'd	4	4
<b>BULLNOSE NUT</b>	<b>AX12000</b>	<b>AX12000</b>	<b>AX12000</b>

### OPTIONAL COMPONENTS

<b>BOTTOM ADAPTER</b>	<b>AX13000</b>	<b>AX13001</b>	<b>AX13001</b>
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**Recommended Spare Parts:**

- (1) 1 set of Blades for each size tubing