

# Hydraulic Anchor Thru-Tubing Technology | Product Code | WT - 1990

## Features

- Anchoring bottom hole assemblies within tubulars
- High expansion/body outer diameter ratio
- Facilitates gripping inside large inner diameters
- Fully retained and automatically retractable blades
- Allows drop balls to pass through the tool with the added benefit of reducing flow turbulence

## Benefits

- Uninterrupted through bore
- Four blade guarantee stability within the tubular
- Field redressable

The Hydraulic Anchor is primarily a device for anchoring bottom hole assemblies within tubulars.

The Anchor incorporates a variety of unique features, some of which include the following: A “high expansion/body” outer diameter ratio, which facilitates gripping inside large inner diameters below small restrictions. An un-interrupted through bore, allowing drop balls to pass through the tool with the added benefit of reducing flow turbulence. The blades are fully retained prior to flowing through the tool and are pulled back into the body when flow stops. Four blades guarantee centrality within the tubular and maximum stability.

The Anchor is flow operated; hydraulic pressure moves pistons within the tool body forcing the blades out until they grip the tubular. When flow stops, a compression spring returns the pistons to their start position, pulling the blades back in and holding them closed. The Anchor is run as part of any BHA that needs to be positively located within a section of tubing. A typical example would be a pipe cutting operation.

One size of anchor blade suits a range of inner diameters.



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Tool Size	1 - 3/4"	2 - 1/8"	2 - 7/8"
End Connection	1" AMMT	1 - 1/2" AMMT	2 - 3/8" PAC
Tensile Strength in lbs	48,900	74,000	146,500
ID in inches	0.367	0.500	0.750
Length in feet	2.68	2.87	3.95
Max Tbg Size in inches	4.00	4-1/2	7.00
Working Pressure in PSI	5,000	5,000	5,000