

PINEAPPLE BROACH

The **LiMAR**[®] Pineapple Broach incorporates hardened cutting profiles which are designed to clear tubing restrictions in the well bore.

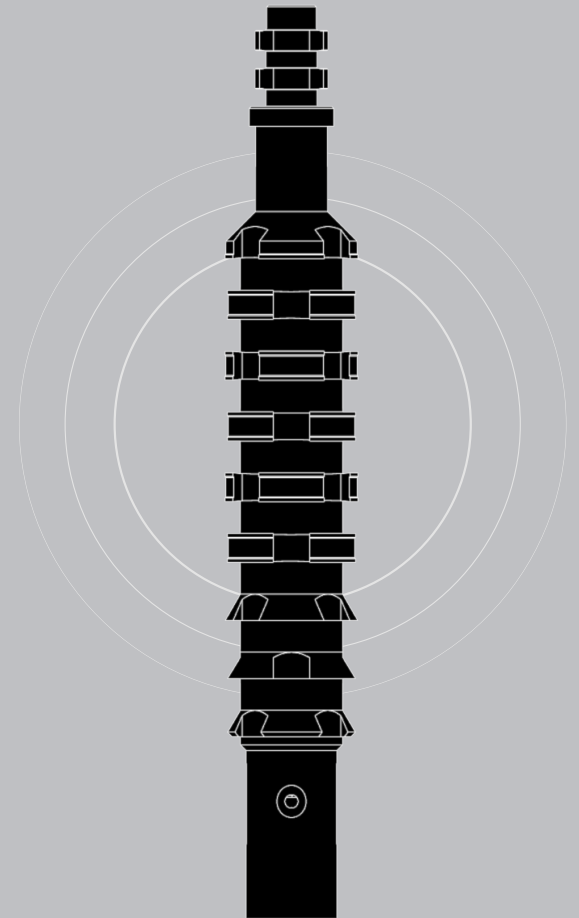
Supplied in a range of sizes to suit the well geometry, a sucker rod box thread in the lower end of the broach allows for deployment of multiple broaches or other utility type tools below.

TOOL APPLICATIONS:

- To remove tubing restrictions caused by scale or debris build up on the tubing wall or nipple profile.

DESIGN FEATURES & BENEFITS:

- Available in a range of sizes to suit all completion designs
- 360deg cutting face ensuring full coverage during broaching
- Hardened cutting face with full hardness material certificates supplied with every order
- Connection below to allow deployment of multiple broaches or other tools
- Connection options to suit customer requirements
- Selected components QPQ treated
- Hexagonal flats for safe make-up & break-out



TECHNICAL DATA

Assembly Part No.	Nominal Tubing Size	To Suit Sizes Up To	Fish Neck	Connection
1195-XXXX-XXX-RX	2-3/8"	2.000"	Optional	Optional
1195-XXXX-XXX-RX	2-7/8"	2.500"	Optional	Optional
1195-XXXX-XXX-RX	3-1/2"	3.000"	Optional	Optional
1195-XXXX-XXX-RX	4-1/2"	4.000"	Optional	Optional
1195-XXXX-XXX-RX	5-1/2"	5.000"	Optional	Optional
1195-XXXX-XXX-RX	7"	6.250"	Optional	Optional

XXXX - Denotes OD
 XXX- Last 3 digits of part number denotes connection type
 For additional sizes or further information please contact sales@limaroiltools.com