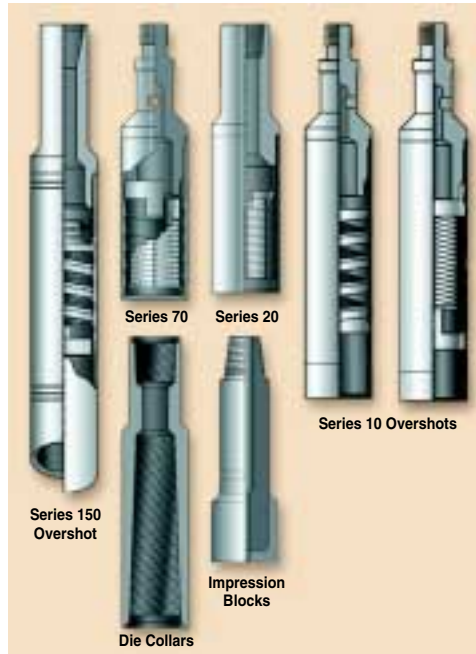


## EXTERNAL CATCH FISHING TOOLS

- Series 10 Sucker Rod Overshots
- Series 20 Sucker Rod Overshots
- Hydraulic Release Overshots
- Series 70 Short Catch Overshots
- Series 150 Releasing and Circulating Overshots
- Series 160 Side Door Overshots
- T-Dog Overshots
- Lead Impression Blocks
- Rotary Die Collars



## INTERNAL CATCH FISHING TOOLS

- Full-Circle Releasing Spears
- Full-Circle Releasing Spear Skirts
- Full-Circle Releasing Spear Guides
- Standard Releasing Spears
- Segmented Spear Grapple Assemblies
- Releasing Spear Pack-off Assemblies
- Releasing Spear Stop Sub Assemblies
- Taper Taps



## INTERNAL CATCH FISHING TOOLS

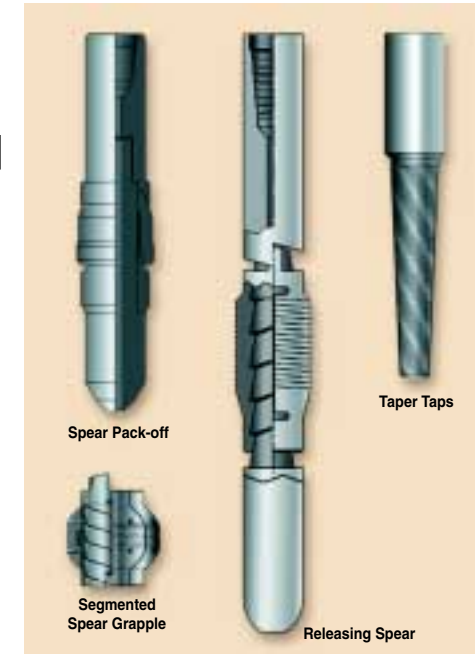
**LOGAN FULL-CIRCLE RELEASING SPEARS** — Positive engagement, easy release, and re-engagement are assured by the design of this rugged, dependable, and inexpensive internal catch fishing tool.

**LOGAN SPEAR GRAPPLES** — Standard one-piece grapple is designed and manufactured to engage a specific size and weight of pipe, tubing, or casing.

**LOGAN SEGMENTED SPEAR GRAPPLE ASSEMBLIES** — Designed to provide extended catching ranges beyond the maximum range of a standard one-piece grapple.

**LOGAN SPEAR PACK-OFF ASSEMBLIES** — Efficiently packs-off all sizes of tubing, drill pipe, and casing. Features a removable stabilizer.

**LOGAN TAPER TAPS** — Simplest of all internal catch fishing tools. Designed for retrieving a fish from the hole. Taper Taps, plain or skirted, are available in an assortment of sizes, lengths, connections, or custom-made to your specifications.



## EXTERNAL CATCH FISHING TOOLS

**LOGAN SERIES 150 RELEASING AND CIRCULATING OVERSHOT** — The strongest external catch fishing tool designed to engage, pack-off, retrieve, and release various types of fish.

**LOGAN SERIES 70 SHORT-CATCH OVERSHOT** — Engineered for conditions where the fish is too short to be engaged with a standard overshot.

**LOGAN SERIES 20 SHORT-CATCH SUCKER ROD OVERSHOT** — Designed for conditions when sucker rods, couplings, and other portions of a fish are too short for retrieval with a standard overshot.

**LOGAN SERIES 10 SUCKER ROD OVERSHOT** — A small, rugged tool designed for engaging and retrieving sucker rods, couplings, and other items from inside tubing strings. It will engage up to 2" OD inside 2 7/8" tubing, and up to 1 5/8" OD inside 2 3/8" tubing.

**LOGAN ROTARY DIE COLLARS** — Simplest of all external catch fishing tools. Designed for retrieving a fish from the hole and available in an assortment of sizes, lengths, connections, or custom-made to your specifications. All Die Collars are manufactured with hardened wickers to ensure positive, reliable engagement of the fish.

**LOGAN LEAD IMPRESSION BLOCKS** — A simple, effective tool designed to determine the dimensions, configuration, condition, and location of the top end of a fish in the hole. Features a unique machined body design to positively secure lead block to the body. Lead block design provides lead on OD and bottom.



## FISHING JARS & ACCESSORY TOOLS

- Superior Hydraulic Fishing Jars
- Superior Energizers
- Z-Type Hydraulic Fishing Jars
- Z-Type Energizers
- Surface Bumper Jars
- Lubricated Fishing Bumper Subs
- Fishing Bumper Subs
- Fishing Jar Spare Parts
- Jar Testers
- Jar Service Kits
- Drill Pipe Safety Joints
- Tubing Safety Joints
- Washover Safety Joints
- Type J Safety Joints

*NOTE: Spare parts for other industry standard fishing jars are available upon request.*

## FISHING JARS & ACCESSORY TOOLS

**LOGAN SUPERIOR HYDRAULIC FISHING JARS** — Utilizes a special valve section to meter oil from one side of the piston to the other side for controlled jarring action. Its large mandrel design makes it well suited for milling and washover operations.

**LOGAN SUPERIOR ENERGIZERS** — Designed to match corresponding sizes of the Logan Superior Hydraulic Fishing Jars. Runs in conjunction with the Fishing Jar to supply intensified impact during jarring action.

**LOGAN Z-TYPE HYDRAULIC FISHING JARS** — A straight-pull operated jar for fishing, testing, coring, reaming, light drilling, side tracking, and washover operations. Each blow can be positively controlled by the operator, from a very light blow to heavy impact. Successive blows can be struck as often as the operator can slack off and raise the running string.

**LOGAN Z-TYPE ENERGIZERS** — Runs in conjunction with the Logan Z-Type Hydraulic Fishing Jar and is particularly valuable in deep, crooked holes where much of the string stretch is lost to friction. Essentially a fluid spring, the Z-Type Energizer stores energy developed by the pull on the string.

**LOGAN SURFACE BUMPER JARS** — Intermittently used only on the surface to release stuck fish.

**LOGAN LUBRICATED FISHING BUMPER SUBS** — Engineered to withstand sustained bumping action in severe fishing and deep workover operations.

**LOGAN FISHING BUMPER SUBS** — Suited for all fishing operations, this simple yet rugged tool will bump down, jar up, or help disengage a fish after retrieval. Can also be used as a feed-off tool in milling or cutting operations.

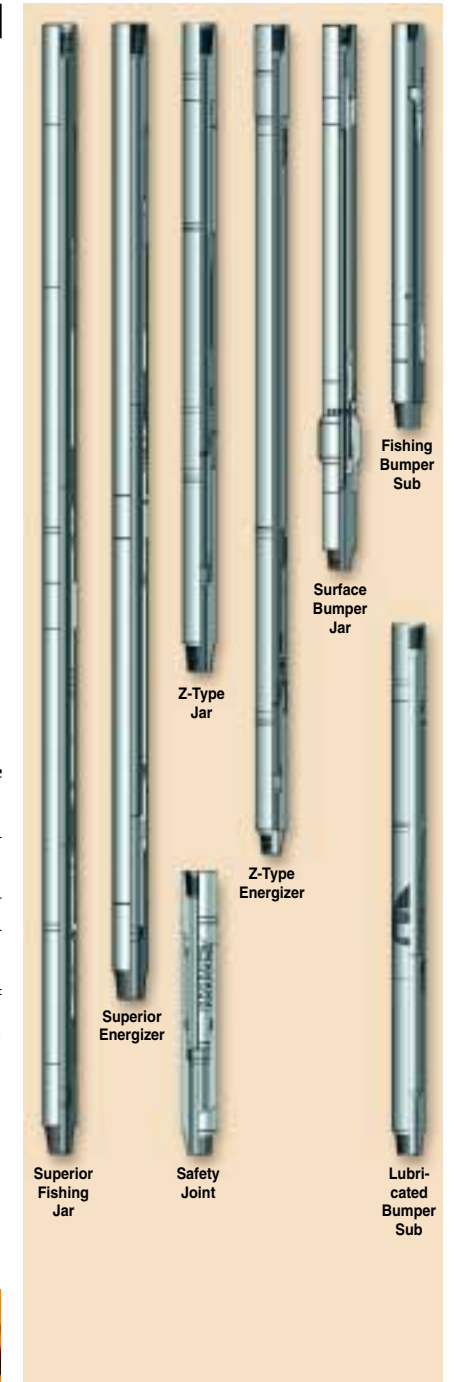
**LOGAN SAFETY JOINTS** — Designed for the safe and dependable quick release from drilling, fishing, tubing, washover, or testing strings should they become stuck. Engineered to withstand internal and external pressure, the Logan Safety Joints also feature coarse threads that resist wedging or loosening of the tool during operation. Torque may be transmitted in either left- or right-hand direction. Available in a variety of popular sizes for drill pipe, tubing, and washover strings. Logan Oil Tools will also design and manufacture Safety Joints to customer specifications. Four specific types of Safety Joints are available as follows:

**LOGAN DRILL PIPE SAFETY JOINTS** — Equipped with tool joint connections.

**LOGAN TUBING SAFETY JOINTS** — Equipped with tubing connections.

**LOGAN WASHOVER SAFETY JOINTS** — Equipped with a drill pipe box top connection and a washover pin bottom connection that allows the Safety Washover Joint to be run between the washover pipe and the drill string.

**LOGAN TYPE J SAFETY JOINTS** — Provides a release option from tools that are normally unreleasable, such as taper taps or die collars. Also provides a way to connect or disconnect fishing string and stuck fish.



## SERIES 150 OVERSHOT ACCESSORIES

- Extension Subs
- Oversized Guides
- Wall Hook Guides
- Mill Guides
- Mill Control Packer Seals
- High Pressure Mill Control Packers
- High Pressure Pack-offs
- Lock Rings and Spacers
- Spiral and Basket Parts: Grapples, Grapple Controls, and Packers



## LOGAN SUPERIOR HYDRAULIC FISHING JARS

TOOL JOINT CONNECTION	2-3/8 API REG	2-3/8 EUE & 2-7/8 PAC	2-3/8 API IF	2-3/8 EUE	2-7/8 API IF	2-7/8 EUE	3-1/2 API IF	4-1/2 API IF	5-1/2 API REG	6-5/8 API REG
OUTSIDE DIAMETER — INCHES	3-1/8	3-1/16 & 3-1/8	3-3/4	3-3/4	4-1/4	4-1/2	4-3/4	6-1/4	6-3/4	7-3/4
INSIDE DIAMETER — INCHES	1	1-1/2	1-1/2 & 1-1/4	1-7/8	2	2-3/8	2-1/4	2-1/4	2-3/4	3-1/16
COMPLETE ASSEMBLY Logan Part No.	611-312	611-306 & 611-313	611-375 & 611-377	611-376	611-425	611-450	611-475	611-625	611-675	611-775

## LOGAN SUPERIOR ENERGIZERS

TOOL JOINT CONNECTION	2-3/8 API REG	2-3/8 EUE & 2-7/8 PAC	2-3/8 API IF	2-3/8 EUE	2-7/8 API IF	3-1/2 API IF	4-1/2 API IF	5-1/2 API REG	6-5/8 API REG
OUTSIDE DIAMETER — INCHES	3-1/8	3-1/16 & 3-1/8	3-3/4	3-3/4	4-1/4	4-3/4	6-1/4	6-3/4	7-3/4
INSIDE DIAMETER — INCHES	1	1-1/2	1-1/2	1-7/8	2	2-1/4	2-1/4	2-3/4	3-1/16
COMPLETE ASSEMBLY Logan Part No.	614-312	614-306 & 614-313	614-375	614-376	614-425	614-475	614-625	614-675	614-775

[www.loganoiltools.com](http://www.loganoiltools.com)

## DRILLING, MILLING, AND CUTTING TOOLS

- Welded Cup Junk Subs
- Threaded Cup Junk Subs
- Crossover Subs
- Standard External Cutters
- Hydraulic External Cutters
- Internal Cutters
- Internal Pressure Pipe Cutters
- Fixed and Variable Blade Non-Rotating Stabilizers
- Rotary Shoes
- Junk Mills

## DRILLING, MILLING, AND CUTTING TOOLS

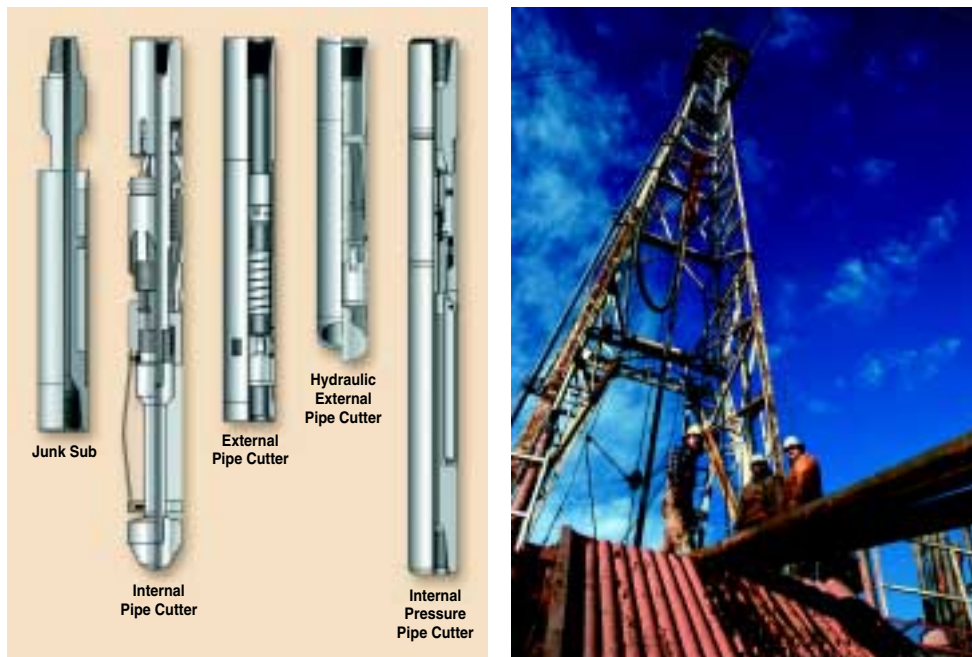
**LOGAN JUNK SUBS** — A simple, yet efficient tool manufactured from high strength, high quality, heat-treated steel designed to capture cuttings during milling or drilling operations that are typically too heavy to be circulated and interfere with efficient operations. Available with welded or removable threaded cups.

**LOGAN INTERNAL CUTTERS** — This simple, dependable tool, designed for cutting tubing, casing, or drill pipe is available in a variety of sizes. Cuts a given range of tubing when dressed with the correct size component parts.

**LOGAN STANDARD EXTERNAL CUTTERS** — Designed to cut long sections of tubing, drill pipe, or casing with spring fed knives (*Spring Dog Assembly*) which virtually eliminate the chance of burning or breaking the knives before the cut is made. Available options include the *Ratchet Pawl Assembly*, designed to catch tapered upset integral tool joints, and the *Slip Assembly*, designed for cutting and retaining pipe with external flush tool joints.

**LOGAN HYDRAULIC EXTERNAL CUTTERS** — Gives the operator sensitive control through the use of a hydraulically fed piston that forces the knives into the pipe. These smooth and quick operating tools allow for fast recovery of tubing or drill pipe.

**LOGAN INTERNAL PRESSURE PIPE CUTTERS** — Utilizes three carbide-coated knives and pump pressure to cut single to multiple strings of pipe from 4" OD to 36" OD. Each different size cutter can be dressed with different knife lengths to cut various sizes of pipe.



## JUNK CATCHERS

**LOGAN REVERSE CIRCULATION JUNK BASKETS** — Designed to remove all types of small junk objects from the hole, utilizing the principle of reverse fluid circulation. The tool's drain feature eliminates pulling a wet string.

**LOGAN FULL-FLOW REVERSE CIRCULATION JUNK BASKETS** — Similar in design to the Logan Reverse Circulation Junk Basket, it's unique difference is the Full-Flow Valve Assembly which ensures continuous circulation through the center to keep out shale or debris while running in the hole, which virtually eliminates valve clog that can cause premature reverse flow action.

**LOGAN FISHING MAGNETS** — Designed to retrieve small metal objects, such as milling shavings, bit cones, cutters, bearings, slips, tong pins, and hand tools from the bottom of the hole. Generous circulation ports, combined with powerful magnetic properties, ensure high-performance junk retrieval. Available with wireline adapters.

**LOGAN MAGNET INSERTS** — Used in place of the single Junk Catcher to convert the Logan Reverse Circulation Junk Basket to a Fishing Magnet, while retaining the reverse circulation feature.

**LOGAN DITCH MAGNETS** — A simple, effective tool designed to remove magnetically-charged metal particles from drilling mud. Available in 24-inch, 30-inch, and 36-inch lengths. Light- and heavy-duty models.

**LOGAN FISHING MAGNET CHARGERS** — State-of-the-art control console ensures maximum charging efficiencies with ease of operation and long-life durability.



## JUNK CATCHERS

- Core Type Junk Baskets
- Reverse Circulation Junk Baskets
- Full Flow Reverse Circulation Junk Baskets
- Junk Catcher Assemblies
- Fishing Magnets
- Magnet Chargers
- Heavy Duty Ditch Magnets



## REPAIR AND REMEDIAL TOOLS

**LOGAN CASING ROLLERS** — Restores tubing and casing that has been dented, collapsed, or buckled to its original inside diameter and roundness. Steel alloy rollers are case hardened to improve wear resistance. Good fluid circulation and slow rotary speeds aid simple operation.

**LOGAN 360° CASING SCRAPERS** — One-piece body design features long-life blades that are held in place with an integral retainer ring and secured with a threaded retainer nut — no screws or bolts! Manufactured from high quality steel for excellent scraping characteristics and wear resistance, the rugged blades are designed to remove rust, scale, cement, mud, bullets, paraffin, perforation burrs, and other obstructions from the inside walls of casing.

**LOGAN LEAD SEAL TUBING AND CASING PATCHES** — Patches properly prepared pipe without restricting the bore of the casing or tubing and is particularly suited for use in wells which contain fluids or gases that are harmful to rubber packers.

**LOGAN LEAD SEAL CEMENTING CASING PATCHES** — Incorporates a valving system that allows the operator to cement the tubing or casing in place after the lead seals have been compressed.

**LOGAN PACKER-TYPE CASING PATCHES** — Designed to engage, pack-off, or release the prepared fish during or after the setting operation, this tool will not restrict the bore of the pipe. Available in Type A for tubing and casing, and Type L for casing only.

## REPAIR & REMEDIAL TOOLS

- Casing Rollers
- Tubing Scrapers
- Casing Scrapers
- Type A Packer Type Tubing Patches
- Type A Packer Type Casing Patches
- Type L Packer Type Casing Patches
- Lead Seal Casing Patches
- Lead Seal Cementing Casing Patches

**LOGAN OIL TOOLS** manufactures a complete line of quality fishing tools and related products. We employ our own full-time engineering staff to assist you with the custom design and manufacture of virtually any type of downhole tool that you may require.

Since 1971, our solid sales, service, and delivery capabilities have been supported by our quality manufacturing experience in the fishing tool industry. Our manufacturing facility is recognized as a leading source of quality products delivered "stock to dock" for many of the largest fishing and rental tool companies throughout the world.

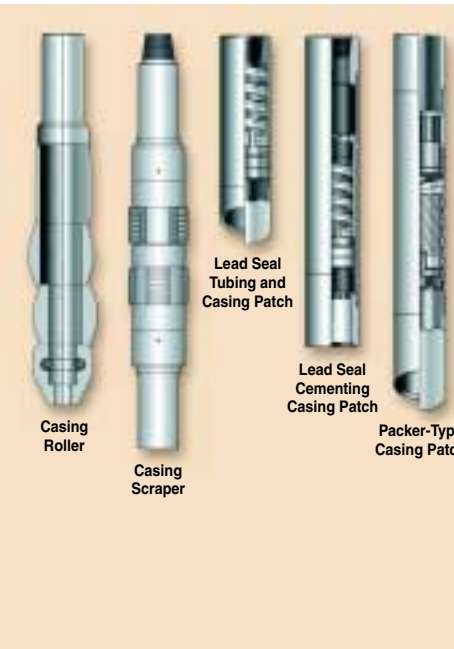
Our primary goal in providing fishing tools is delivering a quality product at a fair price. Our combined sales staff has decades of sales and service experience with fishing tools and we understand what service means to fishing tool operators, supervisors, and store managers. At Logan Oil Tools, our people make the difference. We are dedicated to quality and service...delivered exactly when you need it.

We invite you to visit our sales and manufacturing facilities in Houston, Texas, and look forward to the opportunity to establish a long-lasting, mutually beneficial relationship with you and your company.

For more information about our extensive line of quality fishing tools and related products, please contact our Sales and Service Department at [sales@loganoiltools.com](mailto:sales@loganoiltools.com) or call 281/219-6613...

Or visit our website:

[www.loganoiltools.com](http://www.loganoiltools.com)



## NEW!

### LOGAN 85-TON POWER SWIVEL



The totally new, compact, hydraulic motor-driven **Logan 85-Ton Power Swivel** provides smooth shock-free torque. The compact swivel head design fits most drilling or workover masts and weighs only 1,163 lbs. It is rated to support tensile pipe loads of 85 tons at zero rpm and 45 tons dynamic load at 100 rpm. A 2-1/4-inch bore gooseneck and washpipe assembly allows circulation through the 2-inch ID stem while rotating or in static mode.

## WIRELINE EQUIPMENT

- Hydraulic Wireline Jars
- Tubular Wireline Jars
- Hydraulic Rod Jars
- Spang Link Jars
- Cabled Guided Fishing Assemblies
- T-Bar Wireline Clamping Tools
- Flo-Tubes
- Wireline Spare Parts

## MISCELLANEOUS

- Packer Retriever Spears
- Power Swivels
- Washpipe Accessories: Lift Plugs, Shoes, and Drive Subs



## HEADQUARTERS

Logan Oil Tools  
11006 Lucerne Street  
Houston, Texas 77016  
Tel: (281) 219-6613  
Fax: (281) 219-6638

[sales@loganoiltools.com](mailto:sales@loganoiltools.com)  
[www.loganoiltools.com](http://www.loganoiltools.com)