

Service Tools Catalog



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Type "P" Index Valve # 001 / #002

TYPE "P" INDEX VALVE # 001

The "P" Index Valve is primarily used to convert a double grip mechanical set packer into a retrievable bridge plug. This high pressure valve provides a system to run a retrievable bridge plug with the valve open and set the bridge plug then close the valve.

FEATURES AND BENEFITS

- › Large by-pass for running and retrieving
- › Proven reliable seal and design method
- › By-pass locked in the closing

TYPE "P" INDEX VALVE # 002

The Type "P" Retrieving Tool is used to control the setting and releasing of double grip mechanical set bridge plugs using the type "P" index valve, product 001.

FEATURES AND BENEFITS

- › Controls the index valve locking and unlocking system
- › Circulates fluid to wash debris prior to or after latching onto the index



For more information, go to TeamOilTools.com or call 281.602.7815

Selective Treating Assembly #024

The S.T.A. is a cup type selective treating assembly, which is designed to selectively acidize predetermined perforated intervals. The S.T.A. will isolate intervals from 12 inches. To any length by the addition of standard tubing pups joints, A large built-in annular bypass, make the S.T.A. easy to run and retrieve. Drag blocks, using Inconel springs, provide drag for a positive method of controlling the circulating valve. The retrievable control bar is used to blank off the lower portion below the stimulation ports

OPERATIONS

The assembly is run into the well with the circulating valve open and the assembly positioned just above the perforated interval to be stimulated. The circulation valve is closed and the control bar is dropped from surface or is run with the S.T.A., to pressure test the S.T.A.'s complete assembly. Opening the circulation valve will equalize the tubing to annulus. The S.T.A. tool can now be returned to the proper stimulation interval by dropping the fluid control valve and closing the circulation valve, a feed rate can be taken. Opening the circulation valve will permit the treating fluid to be circulated to the S.T.A. tool for treatment. By closing the circulation valve the stimulation treatment can be performed. To move the S.T.A. tool to a new interval for further treatment, pick up on the work string each interval until completed. To test the treated intervals, move the complete assembly above the perforations and set the packer. To retrieve the assembly, open the circulating valve and remove the work string from the well.



Control Bar Specifications Fishing Neck Size

1in. OTIS RB Pulling Tool		1.25in. OTIS RB Pulling Tool	
SIZE	SIZE	SIZE	SIZE
Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)
4.500 (114.30)	5.500 (139.70)	7.000 (177.80)	
0.750 (19.05)	1.187 (30.15)	1.187 (30.15)	

For more information, go to TeamOilTools.com or call 281.602.7815

Type 10-20 Hydraulic Setting Tool #025

The Type 10-20 Hydraulic Setting Tool is designed to be run on drill pipe ,tubing, endless tubing or other handling equipment that can transmit pressure to the setting tool for the purpose of setting bridge plugs, cement retainers, retainer production packers, and services plugs or packers normally set by wireline. It is especially applicable to setting plugs or packers in deviated wells or in locations where a wireline unit is not available or practical.

OPTIONAL BY-PASS

A large integral by-pass allows the setting tool to be run with fluid entering the running string establishing circulation prior to the setting operation.

FEATURES AND BENEFITS

- › Run on drill pipe, tubing or endless tubing
- › By-pass may be run open or closed
- › Pressure stages may be added or removed depending on setting pressure generated
- › Running string may be drained or closed after setting



Type 10-20 Hydraulic Setting Tool #025

SIZE RANGE Inches (mm)	MAX O.D. Inches (mm)	SETTING STROKE Inches (mm)	SETTING FORCE lbs (daN)
4.500-5.000 (114.3-127.0)	3.630 (92.20)	8.250 (209.55)	35,000 (15,570)
5.500-13.375 (139.7-339.7)	4.390 (111.51)	8.250 (209.55)	50,000 (22,240)

Setting Chamber

Sq Area/Stage

First Stage - 7.060

Additional Stage - 5.840

For more information, go to TeamOilTools.com or call 281.602.7815

SC Unloader

The T525 SC Tension Unloader is usually run above the T621 32A Tension Set Service Packer to equalize tubing and annulus pressure differentials and facilitate the packer being unset and either relocated or retrieved. It is run and retrieved with the latching collet in the open position to allow fluid through the packer mandrel and minimize flow around the elements reducing swabbing. When tension is applied to set the packer this also closes the unloader and the collet latches in place and remains there until sufficient compressive forces are applied. The tool is full open matching the packer I.D.

FEATURES AND BENEFITS

- Rugged heavy duty collet allows repeated use.
- Large by-pass area.
- Simple operation-tension to close, compression to open.
- Full bore I.D. matching the tension packer.
- Remains open when running or retrieving thus minimizing swabbing tendencies.



SC Unloader

SIZE Inches (mm)	MAX O.D. Inches (mm)	MIN I.D. Inches (mm)	SEAL	PRODUCT NUMBER
1.625 (41.28)	3.250 (82.55)	1.610 (40.89)	NITRILE	T525-16A-000
2.375 (60.33)	3.750 (95.25)	1.985 (50.42)	NITRILE	T525-20A-000
2.875 (73.03)	4.515 (114.68)	2.485 (63.12)	NITRILE	T525-25A-000
3.500 (88.90)	5.469 (138.91)	1.985 (50.42)	NITRILE	T525-35A-000

For more information, go to TeamOilTools.com or call 281.602.7815

“K” Connector Valve

The T129 “K” Connector Valve is a high pressure mechanically operated valve used to convert a double grip retrievable packer to a bridge plug. The T129 “K” Connector design allows pressure to equalize above and below before the packer is released. The running retrieving tool is locked to the valve eliminating accidental separation.

RUNNING

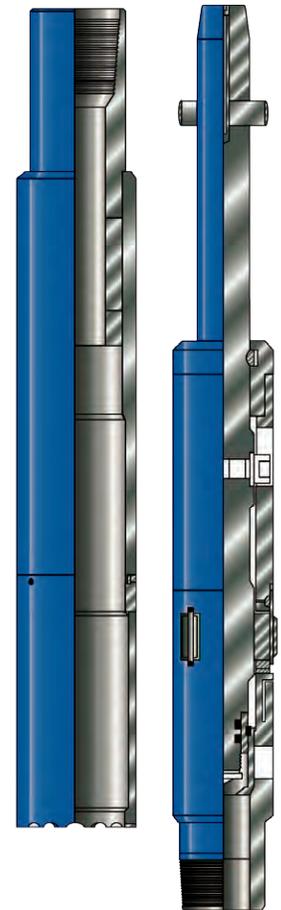
Run the bridge plug to depth and pick up holding left-hand torque, set down while maintaining left-torque (this will engage j-pin in locked position) and pick up holding left hand torque will release the running retrieving tool from the valve.

RETRIEVING

Circulate debris from top of Bridge Plug and lower retrieving tool until engaged. Apply right hand torque and pick up allowing pressure to equalize before proceeding with packer release.

FEATURES AND BENEFITS

- Equalizes pressure before packer is released
- Bonded seals for repeated use under pressure
- Auto Jay retrieving tool for easy connecting
- 10,000 psi pressure rating



“K” Connector Valve

SIZE Inches (mm)	CASING WEIGHT lbs/ft (kg/m)	MAX O.D. Inches (mm)	MIN I.D. Inches (mm)	RUNNING TOOL NUMBER	PRODUCT NUMBER
4.500 (114.30)	9.5-13.5 (14.1-20.9)	3.750 (95.25)	1.750 (44.45)	T128-45A-000	T129-45A-000
5.000 (127.00)	11.5-15.0 (17.1-22.3)	3.750 (95.25)	1.750 (44.45)	T128-45A-000	T129-45A-000
5.000 (127.00)	18.0-20.8 (26.8-31.0)	3.750 (95.25)	1.750 (44.45)	T128-45A-000	T129-45A-000
5.500 (139.70)	13.0-20.0 (19.3-29.8)	4.500 (114.30)	1.750 (44.45)	T128-55A-000	T129-45A-000
5.500 (139.70)	20.0-23.0 (29.8-34.2)	4.500 (114.30)	1.750 (44.45)	T128-55A-000	T129-45A-000
7.000 (177.80)	17.0-26.0 (25.3-38.7)	5.400 (137.16)	1.750 (44.45)	T128-70A-000	T129-45A-000
7.000 (177.80)	26.0-32.0 (38.7-47.6)	5.400 (137.16)	1.750 (44.45)	T128-70A-000	T129-45A-000

For more information, go to TeamOilTools.com or call 281.602.7815

DFV Fluid Control Valve

The T574 Fluid Control Valve is a high pressure, ball type, tubing actuated fluid control valve. The DFV Fluid control valve holds pressure from above and below, rotates open or closed with 1/2 turn at the valve, and can be assembled to open with right or left hand rotation making it operational with a variety of production packers. The DFV valve applications range from tubing tester, washing, acidizing, fracing and converting double grip production packer into temporary bridge plug.

FEATURES AND BENEFITS

- Holds pressure from above and below
- 1/2 Turn to open and close
- Assembles for right or left hand rotation to open
- Tubing can be left in tension, compression or neutral



DFV Fluid Control Valve			
TUBING SIZE	MAX O.D.	MIN I.D.	PRODUCT NUMBER
Inches (mm)	Inches (mm)	Inches (mm)	
2.375EUE (60.30)	3.771 (95.78)	1.750 (44.45)	T574-20A-000

For more information, go to TeamOilTools.com or call 281.602.7815

TS-U Spring Loaded Retrieving Tool

The T577 Spring Loaded Retrieving Tool is used with the TS-U Retrievable Bridge Plug. The spring loaded design minimizes the possibility of the bridge plug coming free during running and retrieving. The strong compression spring keeps the bridge plug J- pins securely locked in the retrieving tool jay until sufficient weight collapses the spring allowing the retrieving tool to be removed.

FEATURES AND BENEFITS

- › Spring loaded design
- › Full bore design for maximum circulation
- › Durable construction



TS-U Spring Loaded Retrieving Tool

SIZE Inches (mm)	CASING WEIGHT lbs/ft (kg/m)	MAX O.D. Inches (mm)	MIN I.D. Inches (mm)	PRODUCT NUMBER
4.500 (114.30)	9.5-13.5 (14.1-20.1)	3.750 (95.25)	2.000 (50.80)	T577-45A-000
5.000 (127.00)	11.5-15.0 (17.1-22.3)	3.750 (95.25)	2.000 (50.80)	T577-45A-000
5.000 (127.00)	18.0-20.8 (26.8-31.0)	3.750 (95.25)	2.000 (50.80)	T577-45A-000
5.500 (139.70)	13.0-20.0 (19.3-29.8)	4.500 (114.30)	2.000 (50.80)	T577-55A-000
5.500 (139.70)	20.0-23.0 (29.8-34.2)	4.500 (114.30)	2.000 (50.80)	T577-55A-000
5.500 (139.70)	13.0-20.0 (19.3-29.8)	4.500 (114.30)	2.375 (60.30)	T577-56A-000
5.500 (139.70)	20.0-23.0 (29.8-34.2)	4.500 (114.30)	2.375 (60.30)	T577-56A-000
7.000 (177.80)	17.0-26.0 (25.3-38.7)	5.875 (149.23)	2.500 (60.80)	T577-70A-000
7.000 (177.80)	26.0-32.0 (34.2-43.2)	5.875 (149.23)	2.500 (60.80)	T577-70A-000

For more information, go to TeamOilTools.com or call 281.602.7815

HD Compression Packer

The T613 HD is a heavy duty compression set retrievable packer, designed for general purpose service work, which can hold high differential pressures from above or below. It is set by a quarter turn at the packer followed by set down weight and the hydraulically operated upper hold-down buttons anchor the packer when it is subject to high differential pressures from below. The HD packer may be run with a mechanical set bridge plug for straddling intervals and can perform multiple procedures in a single run. The packer's internal unloader allows circulation below the hold-down buttons making it easier to retrieve. The internal bypass also provides for circulation around the tool thereby allowing faster trip time with less tendency of swabbing.

FEATURES AND BENEFITS

- Tubing connections are standard on the full-bore mandrel.
- Pressure-balanced mandrel hold-downs counteract pressure from below.
- Set by a quarter turn at the packer and released by picking up.
- Can be dressed to set with a quarter turn to the right or left as required.
- Can be dressed with carbide slips and hold down buttons for long life.
- The large-diameter hold-down buttons reduce casing damage.



HD Packer

SIZE Inches (mm)	MAX O.D. Inches (mm)	MIN I.D. Inches (mm)	TEMP. RATING °F (°C)	PRESSURE RATING psi (bar)	PRODUCT NUMBER
4.500 (114.30)	3.656 (92.86)	1.859 (47.22)	300 (148.89)	10,000 (689.48)	T613-45B-000
4.500 (114.30)	3.750 (95.25)	1.859 (47.22)	300 (148.89)	10,000 (689.48)	T613-45A-000
4.500 (114.30)	3.812 (96.82)	1.859 (47.22)	300 (148.89)	10,000 (689.48)	T613-45D-000
5.000 (127.00)	4.000 (101.60)	1.859 (47.22)	300 (148.89)	10,000 (689.48)	T613-50B-000
5.000 (127.00)	4.125 (104.78)	1.859 (47.22)	300 (148.89)	10,000 (689.48)	T613-50A-000
5.500 (139.70)	4.500 (114.30)	1.984 (50.39)	300 (148.89)	10,000 (689.48)	T613-55B-000
5.500 (139.70)	4.625 (117.48)	1.984 (50.39)	300 (148.89)	10,000 (689.48)	T613-55A-000
6.625 (168.28)	5.375 (136.53)	2.484 (63.09)	300 (148.89)	10,000 (689.48)	T613-65D-000
6.625 (168.28)	5.500 (139.70)	2.484 (63.09)	300 (148.89)	10,000 (689.48)	T613-65A-000
6.625 (168.28)	5.750 (146.05)	2.484 (63.09)	300 (148.89)	10,000 (689.48)	T613-65B-000
7.000 (177.80)	5.875 (149.23)	2.484 (63.09)	300 (148.89)	10,000 (689.48)	T613-70A-000
7.000 (177.80)	5.969 (151.61)	2.484 (63.09)	300 (148.89)	10,000 (689.48)	T613-70C-000
7.000 (177.80)	6.000 (152.40)	2.484 (63.09)	300 (148.89)	10,000 (689.48)	T613-70B-000
7.650 (193.68)	6.453 (163.91)	2.484 (63.09)	300 (148.89)	10,000 (689.48)	T613-75A-000
7.650 (193.68)	6.672 (169.47)	2.484 (63.09)	300 (148.89)	10,000 (689.48)	T613-75C-000
8.625 (219.08)	7.531 (191.29)	2.984 (75.79)	300 (148.89)	8,000 (551.58)	T613-85A-000
9.625 (244.48)	8.250 (209.55)	3.938 (100.03)	300 (148.89)	8,000 (551.58)	T613-95A-000

For more information, go to TeamOilTools.com or call 281.602.7815

32A Tension Set Packer

The T621 32A Tension Set Service Packer is a versatile tool, set by a 1/3 turn at the packer with applied tension and released by compression. When set it holds pressure differential both from above and below. Its' rugged design facilitates multiple set/unset/reset cycles to be performed on a single trip and it can be used for a variety of operations such as squeeze cementing, simulation, straddle operations in combination with a retrievable bridge plug etc. The full bore design avoids restrictions and allows access for thru tubing tools. It has a left-hand thread emergency release system activated by right-hand rotation which allows the cone to move and the slips can fully retract.

FEATURES AND BENEFITS

- Set by tension, released by compression.
- Bidirectional slips allow it to hold pressure from above or below.
- Rugged heavy duty construction allows multiple setting cycles in a single trip.
- Emergency safety joint release allows circulation above the slips.
- Available in left or right hand set.
- Full opening design.
- Available with premium elastomers and construction material upon special order.



32A Tension Set Service Packer					
SIZE Inches (mm)	MAX O.D. Inches (mm)	MIN I.D. Inches (mm)	TEMP. RATING °F (°C)	PACKING ELEMENT	PRODUCT NUMBER
2.875 (73.03)	2.250 (57.15)	0.735 (18.67)	275 (135.00)	80-80 NITRILE	T620-25A-000
3.500 (88.90)	2.750 (69.85)	0.735 (18.67)	275 (135.00)	80-80 NITRILE	T620-30A-000
4.000 (101.60)	3.250 (82.55)	1.610 (40.89)	250 (121.11)	90-70-90 NITRILE	T621-40A-000
4.500 (114.30)	3.750 (95.25)	1.923 (48.84)	250 (121.11)	90-70-90 NITRILE	T621-45A-000
5.000 (127.00)	4.000 (101.60)	1.923 (48.84)	250 (121.11)	90-70-90 NITRILE	T621-50B-000
5.000 (127.00)	4.125 (104.78)	1.923 (48.84)	250 (121.11)	90-70-90 NITRILE	T621-50A-000
5.500 (139.70)	4.500 (114.30)	1.985 (50.42)	250 (121.11)	90-70-90 NITRILE	T621-55B-000
5.500 (139.70)	4.625 (117.48)	1.985 (50.42)	250 (121.11)	90-70-90 NITRILE	T621-55A-000
6.625 (168.28)	5.625 (142.88)	2.485 (63.12)	250 (121.11)	90-70-90 NITRILE	T621-65E-000
7.000 (177.80)	5.875 (149.23)	2.485 (63.12)	250 (121.11)	90-70-90 NITRILE	T621-70A-000
7.000 (177.80)	6.000 (152.40)	2.485 (63.12)	250 (121.11)	90-70-90 NITRILE	T621-70B-000
7.625 (193.68)	6.453 (163.91)	2.485 (63.12)	250 (121.11)	90-70-90 NITRILE	T621-75A-000
7.625 (193.28)	6.625 (168.28)	2.485 (63.12)	250 (121.11)	90-70-90 NITRILE	T621-75B-000
7.625 (193.28)	6.672 (169.47)	2.485 (63.12)	250 (121.11)	90-70-90 NITRILE	T621-75C-000
8.625 (219.08)	7.500 (190.50)	2.485 (63.12)	250 (121.11)	90-70-90 NITRILE	T621-85A-000
9.625 (244.48)	8.250 (209.55)	2.985 (75.82)	250 (121.11)	90-70-90 NITRILE	T621-95A-000
10.750 (273.05)	9.437 (239.70)	3.452 (87.68)	250 (121.11)	90-70-90 NITRILE	T621-10B-000

For more information, go to TeamOilTools.com or call 281.602.7815

TSW Bridge Plug

The T727 TSW Bridge Plug is a high pressure retrievable bridge plug suitable for use in selective treating and testing of multiple zones. It is typically set mechanically on tubing or drillpipe but can be supplied in an electric line set version for special applications. The design includes a large internal by-pass area, to prevent swabbing while running or retrieving. The by-pass closes off during the setting process and re-opens during the retrieving process prior to the upper slips releasing so as to equalize pressure across the plug before it unsets. It can be set in tension making it ideal for use in both shallow applications, such as testing wellheads, and in deep set operations.

FEATURES AND BENEFITS

- Suitable for use at any depth.
- Standard tool is set and released by a 1/4 turn to the right and pipe reciprocation.
Other J-slot configurations are available.
- Large by-pass area to prevent swabbing.
- The pressure across the tool is equalized before unsetting.
- Available in electric line set version.
- An emergency shear release mechanism is part of the design.



TSW Bridge Plug

SIZE Inches (mm)	MAX O.D. Inches (mm)	TEMP. RATING °F (°C)	RUNNING TOOL	WIRELINE ADAPTOR KIT	PRODUCT NUMBER
4.500 (114.30)	3.625 (92.08)	275 (135)	T577-45B-000	T719-45B-000	T727-45B-000
4.500 (114.30)	3.750 (95.25)	275 (135)	T577-45B-000	T719-45A-000	T727-45A-000
5.000 (127.00)	4.000 (101.60)	275 (135)	T577-45A-000	T719-45A-000	T727-50B-000
5.000 (127.00)	4.125 (104.78)	275 (135)	T577-45A-000	T719-45A-000	T727-50A-000
5.500 (139.70)	4.406 (111.91)	275 (135)	T577-45A-000	T719-45A-000	T727-55E-000
5.500 (139.70)	4.500 (114.30)	275 (135)	T577-55A-000	T719-55A-000	T727-55B-000
5.500 (139.70)	4.625 (117.48)	275 (135)	T577-55A-000	T719-55A-000	T727-55A-000
6.000 (152.40)	5.188 (131.78)	275 (135)	T577-55A-000	T719-55A-000	T727-60A-000
6.625 (168.28)	5.500 (139.70)	275 (135)	T577-65A-000	T719-65A-000	T730-65A-000
6.625 (168.28)	5.750 (146.05)	275 (135)	T577-65B-000	T719-65B-000	T730-65B-000
7.000 (177.80)	5.875 (149.23)	275 (135)	T577-70A-000	T719-70A-000	T730-70A-000
7.000 (177.80)	6.000 (152.40)	275 (135)	T577-70A-000	T719-70A-000	T730-70B-000
7.000 (177.80)	5.969 (151.61)	275 (135)	T577-70A-000	T719-70A-000	T730-70C-000
7.625 (193.68)	6.453 (163.91)	275 (135)	T577-75A-000	T719-75A-000	T730-75A-000
7.625 (193.68)	6.672 (169.47)	275 (135)	T577-75A-000	T719-75A-000	T730-75C-000

US PAT # 7,082,991

For more information, go to TeamOilTools.com or call 281.602.7815

Model G Hydraulic Setting Tool

The T1060 Model G Hydraulic Setting Tool is designed for use in setting permanent or retrievable type seal bore production packers on pipe using a standard wireline adapter kit. It can be used with any wireline adapter kit, which is compatible with a standard size #20 E-4 type electric line setting tool, to set packers size 6-5/8" and larger. It has a 1.75" bore allowing circulation while running in the well and is operated by circulating a 1" setting ball to a 0.808" ID seat at the bottom of the tool and applying pressure from surface. Once the packer has been set, overpressure shears out the ball and seat and opens a drain port so that circulation or draining can occur while pulling out.

FEATURES AND BENEFITS

- Can be used to set any seal bore packer, permanent or retrievable.
- Compatible with standard wireline adapter kits.
- Provides the ability to circulate at any time while running in.
- Dual setting chambers each with an area of 10.652sq. in. providing high setting force capabilities.
- When activated and released from the packer, ports are opened in the tool to allow fluid circulation or drainage.
- Top connection is 2-3/8" EU Box.
- Minimum ID 1.75" through the tool and 0.808" through the ball seat.



Model G Hydraulic Setting Tool

SIZE Inches (mm)	MAX O.D. Inches (mm)	MIN I.D. Inches (mm)	TEMP. RATING °F (°C)	PRESSURE RATING psi (bar)	PRODUCT NUMBER
7.000 (177.80)	5.470 (138.94)	0.808 (20.52)	300 (148.89)	10,000 (689.48)	T1060-70A-000

For more information, go to TeamOilTools.com or call 281.602.7815



On Common Ground

