Strategic Plunger Spacing

- The Hydralift is a hydraulic rod lifting device used to replace conventional rod lifting methods. It allows a single operator to adjust pump spacing on a rod pump well safely, easily, and more efficiently.

- Synchronized hydraulic pistons transfer the weight of the rod string off of the pumping unit carrier bar and onto the wellhead. Once the Hydralift has lifted the rods enough to create a space between the carrier bar and the permanent clamps, a spacer is installed.

- Use the Hydralift spacer pole to install a spacers in the necessary length. The synchronized hydraulic pistons then transfer the weight of the rod string back onto the carrier bar, ensuring your rod pump well is spaced accurately the first time.
THE HYDRA LIFT
is a device that safety officials and production managers can both agree on.

Patent pending.
Strategic Plunger Spacing

• The act of adjusting your polished rod clamp at surface to allow your plunger to travel as close to the bottom of the barrel as possible, WITHOUT tagging the pump.

• Strategic spacing optimizes a pump’s efficiencies by mitigating several downhole issues and increasing compression in the pump.

• Accurately spaced pumps handle gas more effectively, reduce scale deposition, and can increase daily production averages.

• Strategic plunger spacing saves time and increases pump life for operation companies.
How the unit sits on the bolts of the flange
The silver feet are recessed to allow the bolt head to go inside of the feet
You can also remove the feet and attach to an optional plate if your stuffing box requires it.
Standard stuffing box Hydralift fits onto bolts of the flange

This type of box requires a second plate at the bottom
Feet simply screw back into the bottom Torque Clamp-(not included) to your company specs.
Operator is always in control of the power system
Insertion of the spacer is easy and accomplished from the ground.
Maximum 5000 pounds of hydraulic pressure is available and always under control.
Rotaflex units are often complicated but not with Hydralift
Hydralift works in rain or snow or sleet...... or in West Texas.....
Mitigation of Common Issues

- **Common Pump Issues FIXED with a Hydralift**
  - Gas Interference
  - TV closure issues
  - Worn pump barrel
  - Scale Deposition in Compression Chamber
    - Tagging Pump
Hydraulic Lifting Devices

• The Hydralift is a hydraulic rod lifting device used to replace conventional rod lifting methods. It allows a single operator to adjust pump spacing on a rod pump well safely, easily, and more efficiently.

• Synchronized hydraulic pistons transfer the weight of the rod string off of the pumping unit carrier bar and onto the wellhead. Once the device has lifted the rods enough to create a space between the carrier bar and the permanent clamps, a spacer is installed.

• Use the spacer pole to install a spacers in the necessary length. The synchronized hydraulic pistons then transfer the weight of the rod string back onto the carrier bar.
JSA Comparison

**Non HYDRALIFT Method**

- Engage brake
- Engage pawl
- Remove top clamp (dangerous pinch point)
- Lower and attach top clamp (dangerous with unsure footing)
- Torque top clamps
- **Remove Lockout/tagout**
- Disengage pawl
- Disengage brake
- Roll over unit (high stress on motor)
- **Lockout/tagout**
- Engage brake
- Engage pawl
- Remove lower clamp
- Remove toadstool or suitcase
- Replace pollution control device
- **Remove Lockout/tagout**
- Disengage pawl
- Disengage brake
- Repeat if not spaced correctly

- Shut down unit
- Set brake
- Engage pawl
- **Lockout/Tagout**
- Remove pollution control device
- Insert toadstool or suitcase
- Clean polished rod surface
- Attach bottom clamp
- Torque clamp
- **Remove Lockout/Tagout**
- Disengage pawl
- Disengage brake
- Roll over unit (high stress on motor)
- **Lockout/Tagout**
- Remove top clamp (dangerous pinch point)
- Lower and attach top clamp (dangerous with unsure footing)
- Torque top clamps
- **Remove Lockout/tagout**
- Disengage pawl
- Disengage brake
- Roll over unit (high stress on motor)
- **Lockout/tagout**
- Engage brake
- Engage pawl
- Remove lower clamp
- Remove toadstool or suitcase
- Replace pollution control device
- **Remove Lockout/tagout**
- Disengage pawl
- Disengage brake
- Repeat if not spaced correctly
JSA Comparison

HYDRAFLIFT Method

- Shut down unit
- Set brake
- Engage pawl
- **Lockout/Tagout**
  - Remove pollution control device
  - Insert Lifting Device
  - Attach bottom clamp
  - Raise hydraulics
  - Insert spacer (from a safe distance)
  - Lower hydraulics (no impact on unit or rod string)
- Remove bottom clamp
- Remove Lifting Device
- **Remove Lockout/Tagout**
Lift Ratings

- The Hydralift and spacers have been tested by a third party lab to the highest standards and is rated to safely lift a total weight of 40,000lbs with a built in safety factor of 50%.

- The hoses, fittings, cylinders & pump are rated to a safe working load of 10,000psi.

- Designed to work on a variety of stuffing box styles.

- Permanent spacers are designed and manufactured for long life, high weight capacities and efficiency.
Certificate of Test

This test was performed on HB/Vishay BLH Testing Machine No. 4190262, capacity 325,000 lbf. HB/Vishay BLH Testing Machine No. 4190262 was calibrated in accordance with the ASTM specification E 4 by National Standards Testing Laboratory on January 18, 2016.

The calibration equipment used during verification of this HB/Vishay BLH Testing Machine consisted of Delta Metrics Load Cell No. 107500, capacity 1,000,000 lb which was calibrated under Lab No. SJIT.01/110034 on March 26, 2015 and is due for recalibration on July 21, 2017 and Rovco Transducers Load Cell No. HN001473, capacity 100,000 lbf which was calibrated under Lab No. SJIT.01/110034 on February 9, 2014 and is due for recalibration on February 9, 2016.

All calibration equipment used to verify this HB/Vishay BLH Testing Machine was calibrated in accordance with ASTM Specification E 74-13a by National Standards Testing Laboratory, National Standards Testing Laboratory is accredited to ISO/IEC 17025 for calibrations performed in accordance with ASTM Specification E 74.

All calibration equipment used to verify the HB/Vishay BLH Testing Machine used in this test is traceable to the National Institute of Standards and Technology.

NOTE: This certificate of test is a record of completion of proof testing by WESTECH of the item identified in this report on the date of test. WESTECH is responsible only for the proof testing of this product and accepts no liability for any loss or damage resulting in any way from the use or misuse of this product by the customer (purchaser), his agents and assigns, or any other user of this product. Products should be continuously maintained and inspected and should only be used within the recommended working load limits as specified. Failure to adhere to recommended safety guidelines can result in catastrophic consequences including, but not limited to property damage, possible serious injury, and or death.
HYDRAULIFT
- Rated to safely lift a total weight of 40,000 lbs.
- The hoses, fittings, cylinders & pump are rated to a safe working load of 10,000 psi.
- Designed to work on a variety of stuffing box styles.

SYSTEM PRICE
$8600 plus shipping
1 year warranty

HYDRAULIC PUMP
- Has a powerful 0.37 kw motor
- Exceptional speed and run time.
- Operates on one battery and back up battery included.

PERMANENT SPACERS
- Permanent spacers designed in 3", 6", and 8" sizes.
- Teardrop design allows for easy removal or insertion of the permanent spacer.
- Permanent spacers are designed and manufactured for long life, high weight capacities and efficiency.
- Permanent spacers are designed to be a positive lockout device.

SPACER POLE
- Designed to lift the spacers into position or remove easily.
- Allowing the operator to sit or stand safely on the ground with no additional equipment.
- Spacer pole works great to engage the pawl.
LAGCOE 2017 New Technology Award Winner

No longer have pumps taggin’, not optimized or spaced properly
And do it all in 15 minutes with one person
DART-FREE SEALING AND TRACKING SYSTEM

Connecting seal security with mobile technology.
NoDart provides tamper proof security seals for industries such as Oil & Gas, Food & Beverage, Transportation, Industrial and Shipping Containers.
All for Low Cost of $1.50

EXAMPLES
For more information and to order your Hydralift contact

**tools R us**

sales@toolsrus.online
432-242-6888