



# Q2-FRAC PLUNGER

Q2 Artificial Lift Services' Q2-Frac Plunger is designed to pump fluids effectively and economically by cleaning the barrel area, despite the presence of sand and abrasive laden fluid.

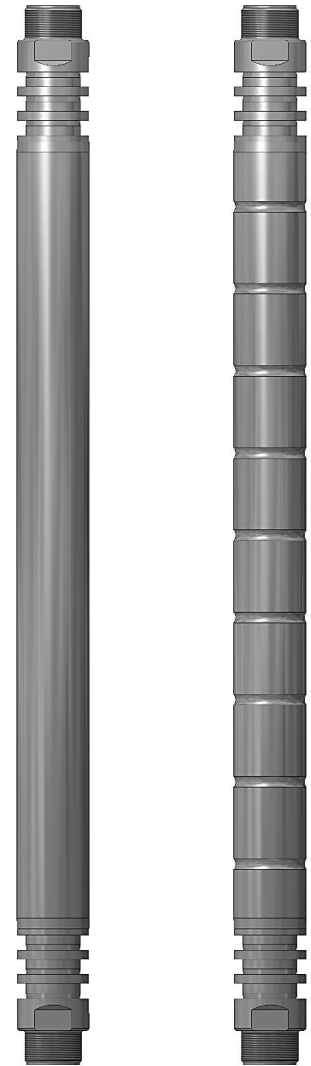
## FEATURES & ADVANTAGES

- U-cup seals help to reduce fluid slippage, and improve plunger to barrel seal.
- Low maintenance cost and can be repaired at well site by changing rings.
- U-cup seal grooves machined into Monel pins to improve corrosion resistance.
- Grooves prevent scoring the barrel and plunger by trapping sand in the grooves.
- Spray metal coated plunger protects against corrosion and wear.
- Positive seal 90A Nitroxile ring with optional 70A Nitrile O-ring.

Temperature rating: -20°F to 275°F (-29°C to 135°C)

## SPECIFICATIONS

- Plunger is manufactured from 1026 Carbon Steel tubing material.
- Plunger is spray metal coated with Nickel or Tungsten Carbide.
- Minimum thickness of spray metal is 0.010 in. per side.
- Plunger is manufactured with plain or grooved outside surface.
- U-cup seal grooves are available in 1, 2 and 3 grooves at each end of plunger.



| Pump Bore (in.) | Part Number       |          | Plunger OD (in.) | Thread Size |
|-----------------|-------------------|----------|------------------|-------------|
|                 | Plunger           | Ring     |                  |             |
| 1-1/4           | 102DCL-F-PP-X-M-G | 11310-N  | 1.250            | 1.0000-14   |
| 1-1/2           | 102FCL-F-PP-X-M-G | 12310-N  | 1.500            | 1.2500-14   |
| 1-3/4           | 102HCL-F-PP-X-M-G | 12310A-N | 1.750            | 1.4704-14   |
| 2               | 102KCL-F-PP-X-M-G | 32310A-N | 2.000            | 1.5604-14   |

\* Other Sizes available upon request.  
 C = Spray Metal Coating (Q=Nickel, W= Tungsten Carbide)  
 L = Length in feet  
 F = Clearance fit in thousands of an inch  
 X = Number of U-cup seal grooves at each end.  
 G = Grooved Plunger

