

Downhole Power Unit

NON-EXPLOSIVE SETTING SOLUTIONS FOR SLICKLINE POWERED MECHANICAL OPERATIONS

OVERVIEW

The Halliburton Downhole Power Unit (DPU®) offers unsurpassed reliability and over 25 years of field service, setting wellbore devices such as plugs, packers, retainers, and numerous other devices.

- » Non-explosive
- » Slow setting action
- » High setting force and longer stroke length compared to explosive devices
- » Sizes of 1¹¹/₁₆ inches, 2.5 inches, 2.75 inches, and 3.59 inches
- » Onboard memory to play back key performance indicator (KPI) data
- » Perforating option for circulation
- » Conveyance independent, and can be set up with on-command triggering on e-line, Tractor RELAY™ digital slickline system (DSL), and e-coil solutions

FEATURES

- » Multiple sizes to cover all plug and packer applications
- » Slow setting speed of 0.5 inch/minute allows time for elastomers to properly set in highly deviated wells
- » Onboard memory to analyze setting force, motor voltage, motor current, stroke length, and elapsed time to provide a digital signature of the set
- » Standard stroke length is 9 inches, but there is an optional 36-inch stroke for crown plug pulls
- » Setting force up to 80,000 lbf with the 3.59-inch tool
- » High-temperature, 2.75-inch tool rated to 375°F (191°C)
- » Optional perforating blade or punch that can provide a circulation port
- » Non-traditional applications, such as gravity and positive displacement dump bailers

BENEFITS

- » Improved health, safety, and environmental (HSE) results with non-explosive devices that do not require the additional logistical handling personnel to move explosives
- » Optional non-dangerous-goods power cell for easy transport
- » Standardized bottom threads allow setting of any plug, packer, retainer, gauge hanger, straddle, or patch
- » Non-pressure-compensated design allows for a hydrostatic boost during barrier sets
- » Short tool design allows for easy rig-up for limited-height scenarios
- » Designed for a slow electro-mechanical set, and the tool is jarring tolerant

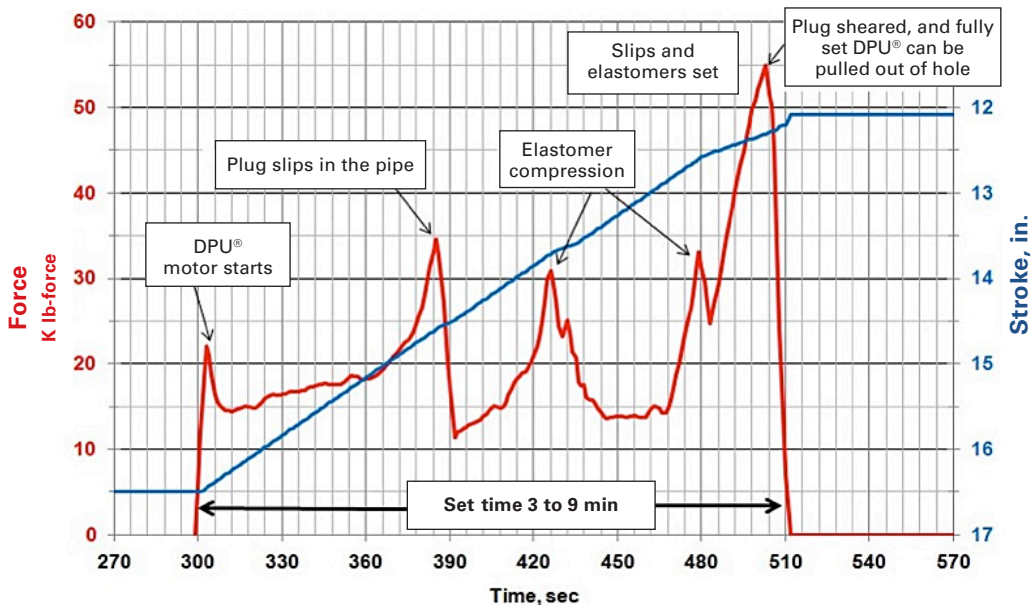


Downhole Power Unit Specifications

Tool Specifications	DPU 1.69	DPU 1.69-ES	DPU 2.5	DPU 2.75	DPU 2.75-HT	DPU 3.59	DPU 3.59-ES
Outside Diameter	1.69 in. 42.9 mm	1.69 in. 42.9 mm	2.51 in. 63.8 mm	2.75 in. 69.9 mm	2.75 in. 69.9 mm	3.59 in. 91.2 mm	3.59 in. 91.2 mm
Setting Force	15,000 lbf 66.7 KN	15,000 lbf 66.7 KN	30,000 lbf 133.5 KN	40,000 lbf 177.9 KN	40,000 lbf 177.9 KN	60,000 lbf 266.9 KN	60,000 lbf* 266.9 KN
Stroke Length	9.0 in. 228.6 mm	39.5 in. 1003.3 mm	8.5 in. 215.9 mm	9.0 in. 228.6 mm	9.0 in. 228.6 mm	8.75 in. 222.3 mm	36.0 in. 914.4 mm
Pressure Rating	15,000 psi 103 MPa	15,000 psi 103 MPa	15,000 psi 103 MPa	15,000 psi 103 MPa	15,000 psi 103 MPa	10,000 psi 69 MPa	10,000 psi 69 MPa
Temperature Rating	302°F 150°C	302°F 150°C	302°F 150°C	302°F 150°C	375°F 191°C	329°F** 160°C	329°F** 160°C
Length	46.94 in. 1192.3 mm	142.2 in. 3611.9 mm	56.1 in. 1426 mm	96 in. 2438.4 mm	96 in. 2438.4 mm	92.1 in. 2338.1 mm	160.0 in. 4064.0 mm
Weight	29.5 lb 13.4 Kg	95.0 lb 43.1 Kg	69.8 lb 31.7 Kg	69.8 lb 31.7 Kg	69.8 lb 31.7 Kg	158 lb 71.7 Kg	308.5 lb 139.9 Kg

* Optional 80,000-lbf tool available

** Temperature rating of 329°F (165°C) with lithium power source. Non-dangerous-goods power source temperature rating 250°F (121.1°C).



Memory data digital signature playback plot of load and stroke length vs. time during the barrier set.

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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