

Hydraulic Running Tool (HRT)



Description

The Hydraulic Running Tool (HRT) is designed to run Bridge Plug/Packer when a mechanical set plug is to be set on coil tubing or threaded pipe.

Application

The HRT is run in the well to setting depth, and remains pressure-balanced during run-in. To activate the HRT a ball is pumped down to the ball seat. As the ball lands in the ball seat, differential pressure starts to build inside the HRT, generating stroke and force which sets/installs the Bridge Plug/Packer. Once the Bridge Plug/Packer is installed, the HRT will stroke out and allow circulation through the tool.

Alternatively, another method for setting the Bridge Plug / packer is a combination of pressurizing and overpull.

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Benefits

- Extensive run record.
- Interchangeable ball seat.
- Reliable and simple design.
- Two different setting methods.
- Shorter build when full setting power isn't required.

Technical Specifications

| Model/OD | 1.75" | 2.70" | 3.10" | 3.75" | 4.48" | 7" |
|-------------------------------------|-------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------|
| Stroke | 10" | 12 / 20" ⁽¹⁾ | 8.5 / 12" ⁽¹⁾ | 12 / 13.5" ⁽¹⁾ | 10.5 / 20" ⁽¹⁾ | 25.8" |
| Max. Pressure Rating ⁽²⁾ | 25,000 psi | 25,000 psi | 25,000 psi | 25,000 psi | 25,000 psi | 25,000 psi |
| Max. Force | 26,300 lbf | 53,000 lbf ⁽¹⁾ | 52,700 lbf ⁽¹⁾ | 77,600 lbf ⁽¹⁾ | 96,100 lbf | 134,885 lbf |
| Max. Circulation (after Shear Out) | 1000 l/min | 1000 l/min | 2,000 l/min | 2,000 l/min | 2,000 l/min | 2,000 l/min |
| Upper Connection | 1" AMMT Box | 2 3/8" PAC DSI Box | 2 3/8" REG Box | 2 7/8" REG Box | 2 7/8" REG Box | 2 7/8" REG Box |

⁽¹⁾ Configuration dependant

⁽²⁾ Absolute pressure