

Hydraulic Running Cementing Tool (HRCT)



Description

The Hydraulic Running Cementing Tool (HRCT) is designed to run and set any Permanent Plug on coiled tubing or drill pipe. The design enables fullbore opening after setting and the possibility to cement through the HRCT in the same run.

Application

When the plug is being set, a ball is dropped and pressure is applied to the tool. The differential pressure that builds up is used to set the plug. Optionally, the HRCT can shear with a combination of over-pull and pressure.

After the plug is set, the ballseat can be released by increasing differential pressure. The ball and ballseat will be left in the hole with the plug, which means the HRCT will have fullbore inner diameter. This enables cementing/injection through the HRCT.

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Benefits

- Well abandonment
- Squeeze cementing
- Sets Plugs on CT or DP
- Permanent zone isolation
- Large ID to cement through, allowing high flow rates
- Set, pressure test, and have full bore access to well in a single trip

Technical Specifications

OD	8.35" (212 mm)
Min ID (excluding Ballseat)	3.25" (82.55 mm)
Stroke	10" (254 mm)
Setting Force	100,000 lbf (45 tonnef)
Upper Connection	NC 50 (4.5 IF)
Max Temperature	150 ° C