

Product Information Sheet

FloMASTER™ CS is a consumable and drillable tool to control U-tubing during casing or liner cementing operations. The system will improve the quality and operation of most casing or liner cementing jobs by controlling free-fall, due to hydrostatic imbalance, during pumping operations

The tool is simple, cost effective, contains a large flow-through path. There have been no failures since its introduction several years ago.

Uniform annular flow rates ensure cement slurries and spacers achieve the most effective mud removal and cement placement, and therefore better results. The tool, like a pup joint, is simply placed in the shoe track of the casing or liner and run as part of the string. The cementing and displacing operation is then carried out in the usual fashion. Free-fall is prevented so that the pump rate determines the speed of the fluids in the pipe and the annulus.

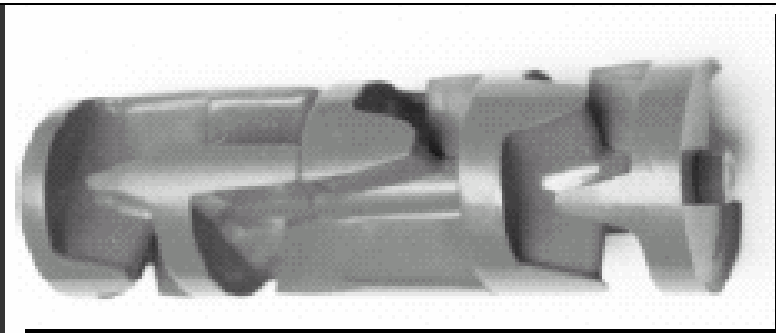
The open-hole is protected from excessive ECD during un-controlled free-fall of dense slurries, consequently reducing the chances of induced losses.

The FloMASTER™ CS significantly increases the probability of plug/dart bump. A reduction in shoe track drill-out times can be achieved as a result of the bumped and latched plug/dart, and lack of under displaced cement column above the landing point.

The tool enables better observation and control over launching of sub-sea and liner cement plug systems, as there is more control over the displacement process.

The system will reduce the “shock” on the formation when shearing ball seats on liner hanger systems, or if sub-sea or liner plug systems shear at unexpected higher values.

Features: Controlled, track-able pumping and displacing of casing and liner cementing operations. Large flow-through path through the tool. No moving parts. Simple to install and use. Available in all commonly used casing or liner sizes.



FloMASTER™ CS module shown with-out housing

FloMASTER™ CS

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