

Plug Launcher Tool

Volant's Plug Launcher connects in-line with the top drive quill and enables the release of cement wiper plugs down hole. The tool can be outfitted to launch multiple sizes of plugs, with its base configuration set up to launch plugs for 9.63" casing and smaller. The tool is configured with a tool joint connection on top and a casing connection on the bottom, but can be varied to suit specific rig requirements. Plugs are launched by rotating a gearing mechanism on the outer diameter of the tool, this releases a radially balanced system to guide the plug symmetrically down hole. The Plug Launcher is compatible with both Volant's CRTi™ or CRTe™ tools and Cement Swivel Tool for increased cementing efficiency.

Tool Model: PL1-9.63 Specification Summary

Base Tool Characteristics

Maximum Outer Diameter	in (mm)	19.6 (500)
Maximum Flow Rate	US gpm (m ³ /min)	634 (2.40)
Rated Hoist Capacity ¹	ton (tonne)	690 (625)
Torque Capacity	ft.lbs (N.m)	85,000 (115,200)
Pressure Limit ¹	psi (MPa)	10,000 (68.9)
Top Connection ²		6.63" REG Box
Bottom Connection ³		Casing Connection
Plug Launch Detection		Tattle-Tale Flag
Plug Size ⁴		9.63" and 7.0"

Stage Specific Characteristics

Stage	Number of Plugs	Working Length	Tool Weight
		in (mm)	lbs (kg)
Single Stage	1	92 (2,340)	2,600 (1,180)
Double Stage	2	119 (3,025)	3,500 (1,590)

1. Rated Hoist Capacity and Pressure Limit are based on API Specification 8C.
2. Alternate Top Connections are available, however tool specs may depend on connection type.
3. Bottom Connection is manufactured to the specific size and thread type of the casing. The casing thread is not subject to API Specification 8C rating.
4. Smaller Plug Sizes are available.

Tool Configuration

Single Stage



Double Stage



Give us a problem. Or just drop us a line if you want to know more.

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