

## Cement Swivel Tool (CST)

Volant's CST connects in-line with the top drive quill and allows for fluid to be pumped down a casing string through two side-entry ports. Fluid can be pumped through the tool while maintaining the ability to rotate and reciprocate the casing string, improving the integrity of the cement job. The Cement Swivel circumvents the need to pump cement through the top drive, eliminating the risk of cement setting in the top drive components when operated in-line with a Kelly Valve (or similar). This tool is compatible with, and carries similar designed ratings to Volant's line of Casing Running Tools with Internal Grip (CRTi™).

### Tool Model: CST1 Specification Summary

#### Base Tool Characteristics

Pressure Limit	psi (MPa)	10,000 (68.9)
Apparent Diameter	in (mm)	23.5 (600)
Working Length	in (mm)	36.5 (930)
Maximum Flow Rate	US gpm (m <sup>3</sup> /min)	634 (2.40)
Maximum Rotational Speed	RPM	50 (Qualified to 30)
Cement Inlets (Qty. 2)	Type	2in 1502 Male

#### Connection Specific Characteristics

Connection	Rated Hoist Capacity	Torque Capacity <sup>1</sup>
	ton (tonne)	ft.lbs (N.m)
6.63" REG Box and Pin	690 (626)	85,000 (115,200)
4.5" IF Box and Pin	450 (408)	50,000 (67,700)

1. Torque Capacity may be limited by thread connection types and must take into account the capacity of mating pin and box connections.

Note: Alternate Box and Pin Connections can be cut, however tool specs may depend on connection type.



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

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