



CMTi™ Inner-String Cement Tool

Volant’s CMTi tool’s adapt to and work in conjunction with the CRTi® internal grip casing running tool’s for inner-string cementing. It takes advantage of the minimal rig-in times and clears rig floor space normally used by large cementing lines. The CMTi tool is designed to hoist the inner-string and provide a sealed flow path for cement to be delivered at the float shoe. An integral swivel allows the casing running tool to rotate the casing string while cementing with minimal torque transfer to the inner-string, mitigating the risk of connection back-off.

Running Casing



Inner-String Cementing



Base Tool Characteristics

		CMTi3-7.0	CMTi4-7.0	CMTi2-8.63
Rated Hoist Capacity ¹	ton (tonne)	50 (45)	50 (45)	100 (90)
Typical Circulation Pressure Limit ^{1,2}	psi (MPa)	5,000 (34.4)	5,000 (34.4)	5,000 (34.4)
Base Tool Length	in. (mm)	33.5 (855)	33.5 (855)	33.5 (855)
Tool Diameter ³	in. (mm)	8.0 (205)	8.0 (205)	8.0 (205)
Through Hole	in. (mm)	2.0 (55)	2.0 (55)	2.0 (55)
Casing Range	in. (mm)	9.63 (244.5) – 20.0 (508.0)	9.63 (244.5) – 20.0 (508.0)	9.63 (244.5) – 30.0 (762.0)
Bottom Connection ⁴		4-½ IF Pin	4-½ IF Pin	4-½ IF Pin

1. Rated Hoist Capacity and Pressure Limit are based on API Specification 8C.
2. Tool circulation pressure capacity is generally governed by packer cup pressure capacity. Pressure capacity may be less than indicated if alternative seal arrangements are used.
3. Excludes casing seal, OD depends on casing seal used.
4. Bottom Connection can be modified upon customer request.

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