

Casing Running Tool (CRTi)



Our **CRTi tools** are designed for casing running or drilling with top drive equipped rigs to enable connection make-up, break-out, circulation and rotation, increasing the chance of getting casing to TD the first time. These tools are mechanically activated in tension and both rotational directions solely by top drive control using TAWG™ (Torque activated Wedge grip) technology.

This patent pending architecture puts control in the hands of the driller, increasing the success rate to get the casing installed the first time. Rig-in and rig-out steps are simple, intuitive and fast. This architecture has a proven track record in running over three million meters of casing.

Starting from the insertion diameter of the base tool, selectable sizes of integral jaw/dies are used to configure the CRTi tool to support gripping casing of increasing internal diameter (decreasing weight). Through the use of a patent pending extended reach die structure, the gripping diameter can be further increased to include casing sizes much greater than the base tool.

CRTI-1 8 5/8" SPECIFICATION SUMMARY

CRTi Load Rated Cap	695 tons (631 MTonnes)
CRTi Max design torque*	85,000 ft/lbs (115,245 N-m)
Circulation Pressure	5000 psi
Total tool length	78"(2 meters)
Tool Stroke	75"
Minimum tool Diameter	8 5/8"
Maximum tool Diameter	26"
Through Hole	2"
Min operating air pressure	40 psi
Max operating air pressure	120 psi
Tool joint	6 5/8" REG BOX
Min Operating Temperature	-20 Degrees Celsius (-40)

CRTI 8 5/8" CERTIFICATION

DET NORSKE VERITAS (DNV –OS-E101)
Tool design verification
And load rating according
To API 8C-PSL 1-2

CRTI 8 5/8" CERTIFICATION

15 min rig up/rig out
Mechanically operated
Min equipment required
Push capability (120 ton) L
Minimal Maintenance N

CRTI 8 5/8" CERTIFICATION

Driller in full control
Reduced HSE exposure
Hands free operation
Less equipment on site
No personnel in red zone
Wireless torque turn
Reading

*Maximum operating torque is limited by TDS Connections