



CLASS 5 TORQUE TOOL (CL5TT)

THE TOOL

The Class 5 Torque Tool is designed and built by Blakemere and is recommended for all instances requiring ISO 13628-8 Class 5 intervention. This robust subsea unit is the product of a detailed design process that affords the appropriate level of respect to the integrity critical tasks being carried out.

Using an innovative gearbox the tool delivers exceptional repeatability with zero backlash, providing the operator an unprecedented level of confidence. This tool incorporates an integrated electronic display at the rear so that torque output and turns count can be continuously monitored. The tool also incorporates a visual turns indicator through 6 view ports on the main body housing.

The ROV handle can be configured to facilitate use of the tool in either the vertical or horizontal orientation, while the display located below the centreline of the tool provides optimal visibility regardless of tool orientation.

The tool is fitted with an easily replaceable socket allowing installation of alternative interfaces.

Connection to the ROV's hydraulic system can be achieved via an ISO 13628-8 dual port hot stab receptacle or bulkhead fittings, depending upon the preference of the operator. The hotstab receptacle can be mounted on either side of the tool, for added flexibility.

TECHNICAL SPECIFICATIONS

WEIGHTS & DIMS

- Equipment weight (in air): 84 kg (approx.)
- Equipment weight (in seawater): 57 kg (approx.)
- Equipment dimensions L x W x H: 842 x 383 x 374 mm
- Shipping weight: 150 kg (max.)
- Shipping dimensions L x W x H: 790 x 570 x 700

HYDRAULIC SPECIFICATIONS

- Hydraulic fluid: Tellus 22 or 32 or equivalent
- Hydraulic cleanliness: NAS class 8 or better
- Typical max output pressure: 80 bar
- Typical max output flow: 20 lpm
- Clamp function: 2X JIC/M-6 Bulkhead fittings

OTHER SPECIFICATIONS

- Max. output Torque: 6,800 Nm @ 80 bar
- Min. output Torque: 1,900 Nm @ 20 bar
- Electrical connection: Subconn MCBH5F
- ROV requirement: Workclass ROV
- ROV interface: ISO13628-8
- Depth rating: 3,000 msw



DATA SHEET ///
CL5TT

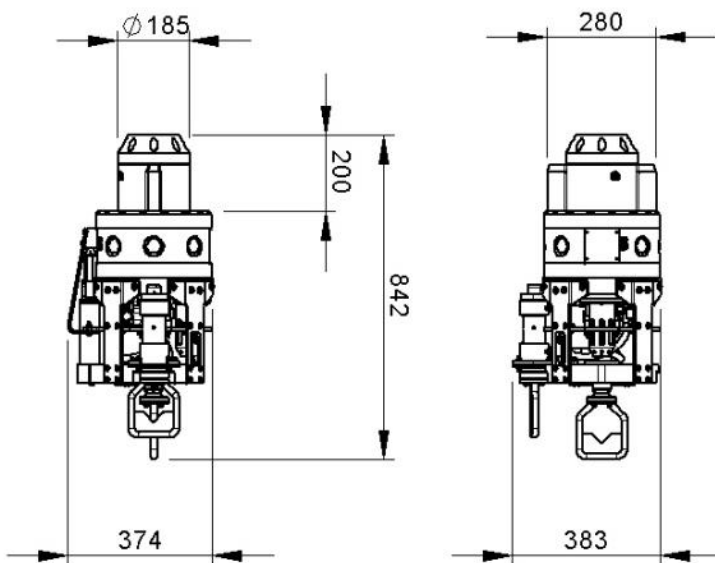




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GA DRAWING

Critical dimensions are displayed below. Further details can be provided upon request.



DETAILED SPECIFICATIONS

- Technical Specifications - Subsea LED Display & Electronics:
- Dual simultaneous display of torque / turn count
- Fixed character height (14.2 mm)
- Torque readout w/rotational sign (+/-) in Nm or ft-lb, incremented to 1 Nm
- Number of turns w/rotational sign (+/-), incremented to 0.1 turns
- Light activated display
- Low battery warning
- Automated sleep mode (programmable)
- Bi-directional RS-232 communications with topside
- 110 - 240 V, 50 - 60 Hz external power supply for charging
- Torque readout accuracy +/- 10%
- Rechargeable battery: 1 x D-Cell NiMH, 7 days battery life (display on); 6 months battery life (standby)
- Rotational Speed max. 20 rpm

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