



Blakemere Class 5 Torque Tool

CL5TT

The Class 5 Torque Tool is designed for all situations requiring ISO 13628-8 Class 5 intervention.

This durable subsea unit results from a meticulous design process that prioritises the integrity of critical tasks. Featuring an innovative gearbox, the tool offers outstanding repeatability with zero backlash, granting operators an unparalleled level of confidence.

The system can be connected to the ROV's hydraulic setup through an ISO 13628-8 dual port hot stab receptacle or bulkhead fittings, based on the operator's preference.

Additionally, a flexible housing allows the hot stab receptacle to be installed on either side of the tool, enhancing its adaptability.

Key Features

Integrated Electronic Display

Located at the rear, allowing continuous monitoring of torque output and turns count.

Visual Turns Indicator

Displays through six view ports on the main housing.

Versatile ROV Handle

Configurable for vertical or horizontal use, ensuring optimal visibility of the display regardless of orientation.

Technical Specifications

Weights & Dimensions	
Equipment Weight in Air (approx.)	84 kg
Equipment Weight in Water (approx.)	57 kg
Equipment Dimensions L x W x H	842 x 383 x 374 mm
Shipping Weight (max.)	150 kg
Shipping Dimensions L x W x H	790 x 570 x 700 mm



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Technical Specifications

Hydraulic Specifications	
Hydraulic Fluid	Tellus 22, 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



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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 and low battery warning

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

GA Drawing

Dimensions are displayed.

Further details can be provided upon request.

