



BLUE LOGIC

001 FLEXIBLE POWER INPUT

AC or DC power, 145 – 350VDC or 110 – 250VAC.
Power Factor Controller adapts to any power supply
available from the host.

BLUE LOGIC CLASS 1-4 ELECTRICAL TORQUE TOOL

All-Electric Torque Tool suitable for all kinds of
Subsea Torque operations

005 ADAPTIVE GUI

Dedicated GUI for operation via laptop/PC.
Large range of settings and auto-functions.
Integration with external control system feasible

007 CLASS 1-4

Quick changeout of output socket, Cl. 1 thru Cl. 4. Autodetect of
installed socket enabling auto-selection of torque output.
Subsea changeout of socket feasible.
Gearbox mode for actual torque/turns readout in GUI for operations
using external gearbox.

002 INGENIOUS LATCH MECHANISM

Auto-latch locking the tool in position once
fully inserted. One-grip manipulator
operation to release after operation.
Hydraulic latch mechanism available as
option

003 LOG ALL PARAMETERS

All operations logged for operational
reporting. Trending of required torque
allows for condition monitoring of critical
subsea applications over time.

004 POWER LIMIT FEATURE

Max. power during operation can be
limited in GUI to suit any ROV. Perfect for
ROVs with limited electrical power
available. Stepless adjustable.

006 PREDEFINED OPERATIONS

Set-up for specific operations can be
pre-defined in GUI wrt. max torque, ramp-
up/down, speed, turns, direction etc.
Crucial when operating delicate valves.

008 SMOOTH OPERATION

Precise motor controller enables gentle
operation. Ramp-up and ramp-down feature
ensures careful operation of critical
applications.





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BLUE LOGIC CLASS 1-4 ELECTRICAL TORQUE TOOL

The Blue Logic Electrical Torque Tool utilize technology and advantages based on modern servo-based electrical controlled drive system to enable precise control of rotational speed, angular position and torque output. Different from hydraulic tools, the performance is not influenced by changes in surrounding temperature.

Optional Equipment:

- Torque verification jig, deck testing
- Torque verification jig, subsea testing
- Inductive connector for power & comms allowing for subsea hook-up/disconnect of Torque Tool and ROV, similar to traditional hot stab connect/disconnect
- Class 6-7 gearbox
- Tool for subsea replacement of output socket, class 1-4
- Torque Tool with Auto Socket Select available, class 1-4
- Hydraulic latch mechanism, fail-safe release

Article No.	BB3306
Depth rating	3000 m
Supply voltage	110-250 VAC 50/60 Hz or 145-350 VDC
Standards	API17H/ISO 13628-8
Output sockets	API17H/ISO 13628-8 Class 1 - 4
Weight in air	34,0 kg
Weight in seawater	25,7 kg
Torque range, Cl1-2	67,5 – 270 Nm
Torque range, Cl3-4	500 – 2700 Nm
Low torque max speed	30 RPM
High Torque max speed	6 RPM
High torque accuracy	+/-10% @torque above 250 Nm
Low torque accuracy	+/-5% @torque below 250 Nm
Positioning precision	+/- 1 °
Max. power consumption*	2000 W
Max current draw*	20 A
Communication	RS232 or RS485, Modbus RTU Protocol
Electrical interface	8 pin Burton 5506-2008 connector

*Max. power can be limited in GUI to suit ROV's output



BB3306 Torque Tool Kit



BB6161 Socket Change Out Tool



BA5247 Torque Tool with Inductive Connector



104212 Cl.4 Calibration Jig



BB0167 Cl.2 Calibration Jig



BB2408 Class 6 - 7 Gearbox