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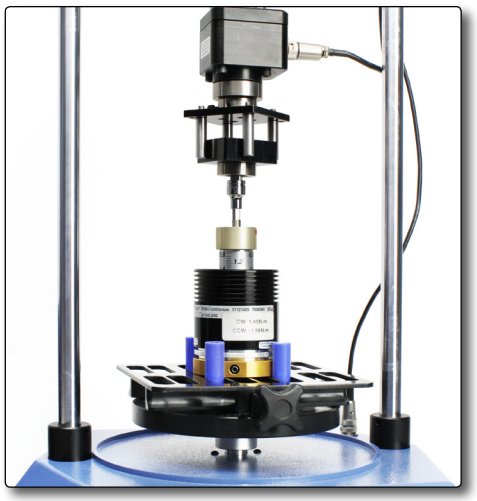
Torque Reference Bottle

432-662-1.5

PDV12106



432-662-1.5 mounted on Vortex

Description

The Torque Reference Bottle (also known as 'Gold Bottle') provides a means of quickly verifying the calibration of motorised torque measuring systems Helixa and Vortex. Its magnetic clutch repeatedly slips at a factory-set, specified torque value. The Torque Reference Bottle is available in three nominal torque values—the part number-suffix indicates the value in N.m.

Specification

Part No.	Available torque range		Overall length	Diameter
	N.m	lbf.in		
432-662-0.5	0.5	4.4	163 mm (6.4″)	93 mm (3.6″)
432-662-1.0	1.0	8.9		
432-662-1.5	1.5	13.3		
PDV12106	Drive adapter for Torque Reference Bottle			

The above settings are indicative only, values may vary slightly on the bottle provided.

Note: Reference Bottles with lower and higher torque values are also available – price on request.

Application

To use the Torque Reference Bottle, a separate drive adapter (part no PDV12106) can be ordered. This fits loosely between the pegs of an Upper Fixing Plate and, when driven against the pegs by the motorised stand, it will apply torque to the magnetic clutch of the Reference Bottle causing it to slip at the pre-set value. The torque value displayed by the Vortex/Helixa sensor can then be compared to the calibrated pre-set value of the Reference Bottle.

The body of the Torque Reference Bottle can be held within the 4 pegs of a Lower Fixing Plate.

Two verification certificates are provided as standard by Mecmesin for each Reference Bottle; one in N.m, the other in lbf.in units.

Torque value check on Helixa

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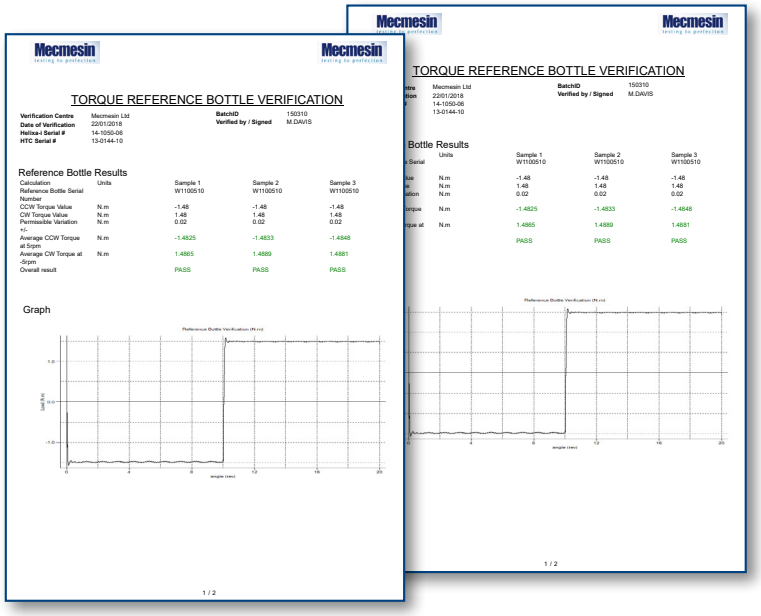
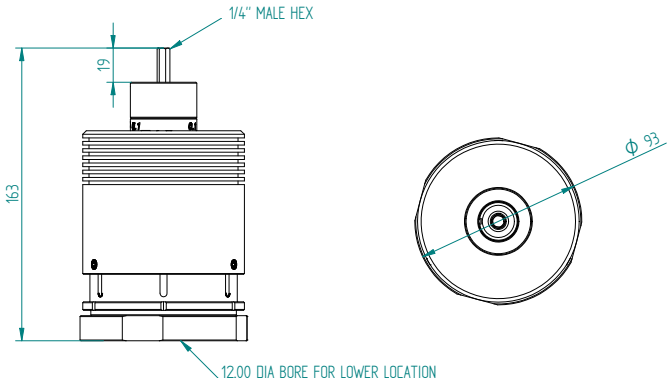


◄ **Reference Bottle Verification Reports; metric and imperial units**

Dimensions mm (inch)



FS 58553

Mecmesin reserves the right to alter equipment specifications without prior notice.
E&OE

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