CERTIFICATE OF ACCREDITATION

In terms of section 22(2) (b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-

TORQUE TOOL (PTY) LTD
Co. Reg. No.: 1980/006505/07

Facility Accreditation Number: **817**

is a South African National Accreditation System accredited Calibration laboratory provided that all SANAS conditions and requirements are complied with

This certificate is valid as per the scope as stated in the accompanying schedule of accreditation Annexure "A", bearing the above accreditation number for

TORQUE METROLOGY

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17025:2005

The accreditation demonstrates technical competency for a defined scope and the operation of a laboratory quality management system

While this certificate remains valid, the Accredited Facility named above is authorised to use the relevant SANAS accreditation symbol to issue facility reports and/or certificates

Mr R Josias
Chief Executive Officer

Effective Date: 03 February 2017
Certificate Expires: 30 January 2022

ANNEXURE A

SCHEDULE OF ACCREDITATION

TORQUE METROLOGY

Facility Number: 817

Permanent Address of Laboratory:
Torque Tool (Pty) Ltd
34 Jules Street
Jeppestown
Johannesburg
2001

Postal Address:
P O Box 261546
Excom
2023

Tel: (011) 624-2511
Fax: (011) 624-2427
E-mail: lab@torquetool.co.za

Technical Signatories: Mr D Poerner
Mr B Reynolds

Nominated Representative: Mr B Reynolds

Issue No.: 13
Date of Issue: 03 February 2017
Expiry Date: 30 January 2022

ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)
5.1	**Torque**		
5.1.1	**Torque Measuring Devices**		
5.1.1.1	Torque Transducers	0,01 N·m to 2 N·m 2 N·m to 1 500 N·m	(0,002·T + 0,0003) N·m 0,001·T N·m
5.1.1.3	Torque Calibration Analysers	0,01 N·m to 2 N·m 2 N·m to 1500 N·m	(0,002·T + 0,003) N·m 0,001· T N·m
5.1.2	**Torque Generating Devices**		
5.1.2.1	Torque Wrenches	0,2 N·m to 12 N·m 12 N·m to 50 N·m 50 N·m to 1 000 N·m 1 000 N·m to 4 000 N·m	(0,01·T + 0,005) N·m 0,005·T N·m 0,003·T N·m 0,02·T N·m
5.1.2.2	Torque Screwdrivers	0,01 N·m to 15 N·m	(0,01·T + 0,005) N·m
5.1.2.7	Closure Meters	0,01 N·m to 15 N·m	(0,004·T + 0,003) N·m

The CMC, expressed as an expanded uncertainty of measurement, is stated as the standard uncertainty of measurement multiplied by a coverage factor $k = 2$, corresponding to a confidence level of approximately 95%

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager