

Certificate for checking and setting torque wrenches

1. CHECKING AND SETTING CERTIFICATES

Each **HAZET** and **TOHNICHI** torque device is equipped with a **checking and setting certificate**, stating that the tool was tested in compliance with standards UNI-EN 26789 (DIN-ISO 6789) in the manufacturer's internal laboratory, equipped with very high precision instruments.

These devices are tested and regularly checked in a DKD-K 09301 (ACCREDIA equivalent) accredited setting laboratory by the Schatz Company of Remscheid (D) for **HAZET** products, and according to the JAPAN QUALITY ASSURANCE ORGANIZATION standard by the Murakami Koki company for the **TOHNICHI** products.

The **Checking and Setting Certificate** from the manufacturer contains the following details:

- Type of torque device, manufacturer, model and serial number.
- Tightening capacity, testing instruments and references to the primary samples.
- Checked values and tolerances.
- Date of the test and the tester's signature.

For **HAZET** the certificate is available in 5 languages (Italian, German, Spanish, French, and English) and also includes an indication of the KPIL-faktor necessary for subsequent adjustments and settings.

We suggest routine checks depending on the type of tool, at intervals of a maximum of 12 months.

2. INSPECTION REPORTS

This service is performed internally by our **S.A.T.** department, and is available only for devices that are 100% operative and that can be adjusted to the required values without the need for repair work or the replacement of any parts (it may possibly include the replacement of certain smaller elements, such as the "Cube and Seeger rings").

3. ACCREDIA SETTING CERTIFICATE

A document issued exclusively by an **LAT accredited setting centre**. This certificate is officially valid in Italy and, with a mutual agreement, in European countries participating in the EA (European Cooperation for Accreditation). It certifies that the tool was set according to the procedures acknowledged by the primary relevant institutions. ACCREDIA certified control devices for torque wrenches, gauge blocks, thermometers and sample pressure gauges, etc. are normally used as "primary company samples" for subsequent setting of other tools.

Control and setting service

Torque wrenches and screw drivers



Manufacturer's certificate

Torque range	Nm	up to 300	> 300
Code		3.0000.8240	3.0000.8241
Each. €		on request	on request



Manufacturer's certificate

Torque range	Nm	up to 420	> 420
Code		3.0000.8246	3.0000.8247
Each. €		on request	on request



Control report

Torque range	Nm	up to 320	320÷700
Code		3.0000.8246	3.0000.8247
Each. €		on request	on request

ACCREDIA Setting Certificate

Torque wrenches and screw drivers

Torque range	Nm	up to 1000
Code		3.0000.0481
Each. €		on request

Qualitätsprüf-Zertifikat
nach DIN 55350 - 18 - 4.2.2

Prüfobjekt
Drehmoment-Schlüssel

Hersteller
HAZET-WERK

Artikel Nr.
6143-1CT

Serien Nr.
SN12-432025

Einstellbereich
100,00 - 400,00 Nm

Prüfeinrichtung
Drehmoment-Prüfgerät Schatz AG Modell-Nr. 907705

Messmittel
Drehmoment-Sensor Schatz AG Art.-Nr. 90790200 1000 Nm Ser.Nr. 1008413

Die Rückführung der Maßmittel ist gemäß DIN EN ISO 9001 durch das akkreditierte Kalibrierlabor DKD-K109301 Schatz AG, Remscheid, hergestellt (metrologisch-tracebar).

Prüfwerte nach DIN EN ISO: 6789:2003

100,00 Nm (Genauigkeit - 2,00 % / + 2,00 %)		
min. 98,00 Nm	101% (Schatz 93,00 Nm)	max. 102,00 Nm
	99,60 Nm	
	99,70 Nm	
	99,60 Nm	
	99,90 Nm	
	100,20 Nm	
240,00 Nm (Genauigkeit - 2,00 % / + 2,00 %)		
min. 236,00 Nm	101% (Schatz 231,00 Nm)	max. 244,00 Nm
	240,10 Nm	
	240,10 Nm	
	240,20 Nm	
	241,20 Nm	
	241,30 Nm	
400,00 Nm (Genauigkeit - 2,00 % / + 2,00 %)		
min. 392,00 Nm	101% (Schatz 377,00 Nm)	max. 408,00 Nm
	399,60 Nm	
	399,60 Nm	
	399,60 Nm	
	399,70 Nm	
	399,10 Nm	

Prüfdatum: 19.10.2012

Prüfer: Wawrziczek

Datum der ersten Inbetriebnahme: _____

Die Kalibrierung erfolgte in dem nach DIN EN ISO 6789:2003 festgelegtem Temperaturbereich von 18-28° C und maximaler relativer Feuchte von 90%.

Dieses Zertifikat ist maschinell erstellt und hat ohne Unterschrift Gültigkeit.

Torque wrench testers

Torque range	Nm	up to 500	500 ÷ 1000
Code		3.0000.8248	3.0000.8249
Each. €		on request	on request

4. REPAIRS

When a torque device can no longer be adjusted for setting purposes and/or has damaged parts, repair work is necessary. The repairs may be performed internally, or even by our partners, **HAZET** and **TOHNICHI**.

It is impossible, in this case, to specify a unitary price, as each individual case is different. For each repair operation, a quote is offered to the client, and the repair work proceeds only after written authorisation. The quote includes the cost of repairs such as spare parts and labour, as well as the cost of setting operations.

Each repaired device is equipped with an «**ABC Control Certificate**» or a «**Control and setting certificate from the manufacturer**», from **HAZET/TOHNICHI**.