


# Torque wrenches

## With display

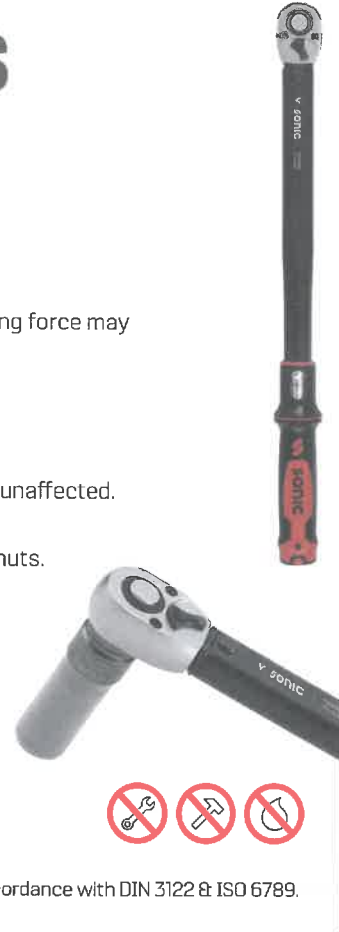
### Warning

1. When set torque has been reached, a  "click" will confirm. Continuously applying force may damage bolt or nut, especially at low torque setting.
2. Do not turn the handle when locked.
3. Do not apply more than one turn below lowest or highest setting.
4. Do not disassemble and adjust the calibrator without special equipment.
5. Avoid any liquid contact with torque wrench, to make sure internal lubricant stays unaffected.
6. Set torque at lowest setting after usage, to assure a longer lifetime.
7. Torque wrenches are precision tools and are not designed for loosening bolts and nuts.

### Maintenance

When torque wrench is being used for the first time, or after an unused period, make sure to set a higher torque to ensure the internal recoating with lubricant.

1. Please use the torque wrench carefully and make sure to study and follow the instruction before operating.
2. The accuracy of the torque wrench should be regularly inspected and checked at least once a year or per 5.000 times used.



This torque wrench is accurate to  $\pm 3\%$  of the set load and has been manufactured and tested in accordance with DIN 3122 & ISO 6789. Each torque wrench has an individually product serial number.

Brand:	SONIC		
Description:			
PartNumber:	730340200		
Torque Range:	40-200	N-m	
Tolerance:	$\pm 3$	%	
Serial Number:	TA05800		

Testing Machine:	E02_T-500 N-m		
Serial Number:	80802		
Maximum measuring error of the measurement system:	-0.13%		
Measurement uncertainty interval of the measurement system:	0.67%		

Temp :	23.6	°C
Humidity :	55.3	%
Type of Torque Wrench:	Type II	
Direct of Operation:	Right	

Setting	N-m	40.0	Abw.	120.0	Abw.	200.0	Abw.
1.Test		40.2	0.50%	120.2	0.17%	198.3	-0.85%
2.Test		39.8	-0.50%	120.2	0.17%	200.5	0.25%
3.Test		40.5	1.25%	120.1	0.08%	200.3	0.15%
4.Test		40.6	1.50%	119.6	-0.33%	200.1	0.05%
5.Test		40.3	0.75%	119.6	-0.33%	200.5	0.25%
Average in	N-m	40.3	0.70%	119.9	-0.05%	199.9	-0.03%

As this report is automatically produced, no signature is required

Date : 2019/01/14

Auditor : HE

# Torque wrenches With display

The 732 series of Sonic torque wrenches have a completely new design. The required torque is set quickly and accurately by the comfortable and ergonomic handle. To set torque, simply pull out the push lock system to unlock handle, turn handle to desired setting, and lock. Sonic torque wrenches are equipped with a clearly visible scale with Nm and ft.lb indication.



CLEARLY VISIBLE SCALE  
IN NM AND FT.LB

DIRECT FIT WITH LEFT AND RIGHT  
RATCHETING MECHANISM AND  
SONIC QUICK RELEASE SYSTEM

SONIC PUSH LOCK SYSTEM

COMFORTABLE  
ERGONOMIC HANDLE

### CONVERSION TABLES

LBF-FT (FT-LB)	NM	KG-M
1.5	2.03	0.21
5	6.78	0.69
10	13.56	1.38
15	20.34	2.07
20	27.12	2.76
25	33.90	3.46
30	40.68	4.15
35	47.46	4.84
40	54.24	5.53
45	61.02	6.22
50	67.80	6.91
55	74.58	7.60
60	81.36	8.29
65	88.14	8.98
70	94.92	9.67
75	101.70	10.37
80	108.48	11.06
85	115.26	11.75
90	112.04	12.44
95	128.82	13.13
100	135.60	13.82
105	142.38	14.51
110	149.16	15.20
115	155.94	15.89
120	162.72	16.58
125	169.50	17.28
130	176.28	17.97
135	183.06	18.66
140	189.84	19.35
145	196.62	20.04
150	203.40	20.73
155	210.18	21.42
160	216.96	22.11
165	223.74	22.80
170	230.52	23.49
175	237.30	24.19
180	244.08	24.88
185	250.86	25.58
190	257.64	26.27
195	264.42	26.96
200	271.20	27.65
205	277.98	28.34
210	284.76	29.03
215	291.54	29.72
220	298.32	30.41
225	305.10	31.10
230	311.88	31.79
235	318.66	32.48
240	325.44	33.17
245	332.22	33.86
250	339.00	34.55
260	352.56	35.88
270	366.12	37.21
280	379.68	38.54
290	393.24	40.02
300	406.80	41.40

### How to use Sonic torque wrench



1. UNLOCK ADJUSTABLE HANDLE.



3. WHEN TORQUE VALUE IS SET,  
LOCK ADJUSTABLE HANDLE.



4. AFTER INSTALLING SOCKET TO NUT OR BOLT,  
STOP APPLYING FORCE WHEN YOU HEAR "CLICK".  
THE TORQUE WRENCH WILL RESET TO  
ZERO AUTOMATICALLY.

5. CONTINUOUS COMPRESSION WILL DECREASE  
THE LEVERAGE OF THE INTERNAL SPRING, MAKE  
SURE TO RESET TORQUE AFTER USAGE.



- AFTER USE RESET TO ZERO TORQUE
- DO NOT EXCEED TORQUE
- HIGH LEVERAGE CAN CAUSE DAMAGE TO TORQUE WRENCH
- PERIODIC RECALIBRATIONS ARE NECESSARY TO MAINTAIN ACCURACY
- DO NOT USE WITH IMPACT WRENCH
- DO NOT USE TORQUE WRENCH TO LOOSEN FASTENERS
- DO NOT REPLACE WORN PARTS INDIVIDUALLY, USE ENTIRE CONTENT OF REPAIR KIT
- FREQUENTLY INSPECT, CLEAN AND LUBRICATE RATCHET MECHANISM WITH LIGHT OIL

