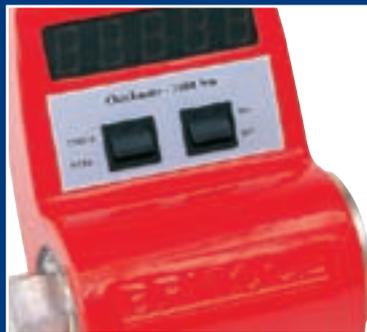


Torque Wrenches



The torque wrench is an essential hand tool that is now fundamental in all garages and workshops.

The Britool torque wrench range has been carefully designed to provide a range of solutions to meet the needs of the torque-tightening user.

What is Torque ?

- Torque is a turning or twisting force, the result of a force applied at a given distance about a known centre
- It is recorded in units of force x distance

i.e. **Nm = Newtons (force) x metres (distance) or**

lbf/ft = lbf (force) x feet (distance) (1 Newton = 1kg m/s²)

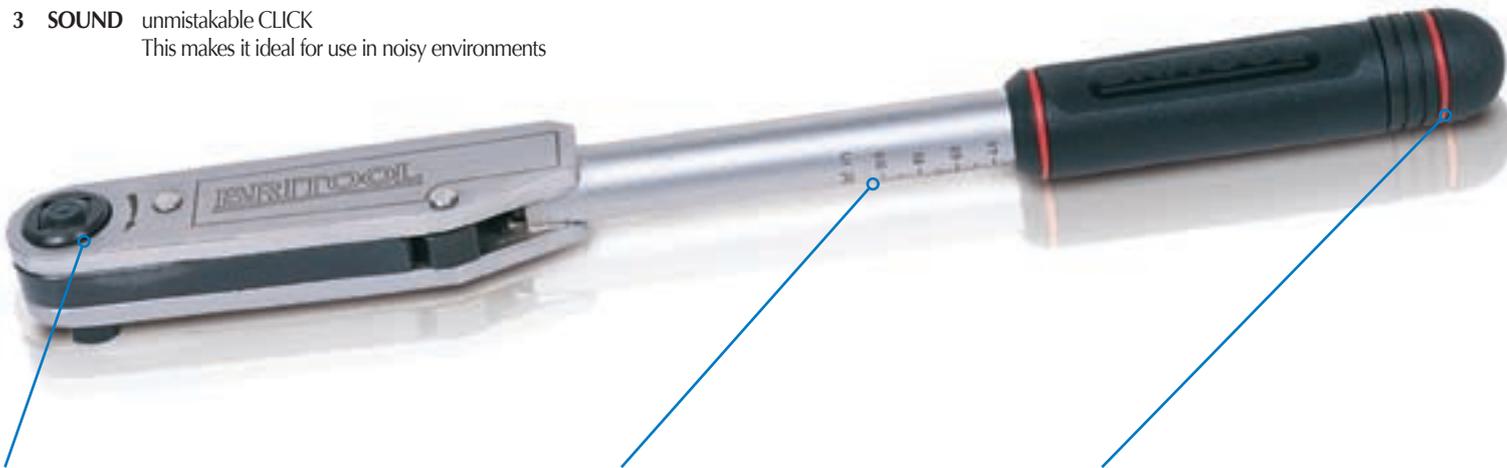
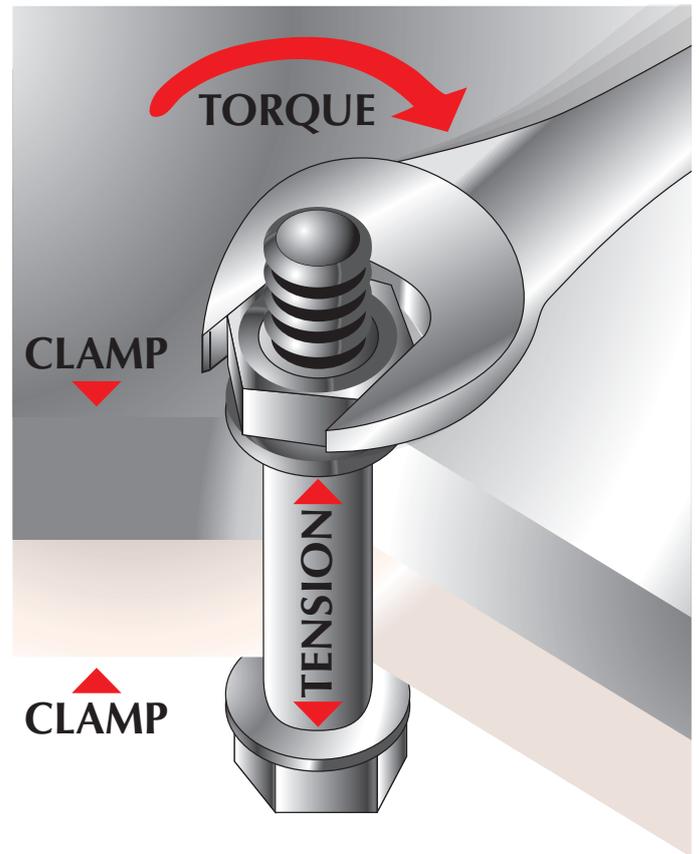
Classic Mechanical Torque Wrenches

The Britool Classic torque wrench has won a reputation for reliability and quality established over 50 years. The unique mechanism has distinct advantages which ensure it remains a firm favourite with users worldwide.

Unique 3-phase Mechanism

A progressive torque build-up to the selected setting is easily detected by three clear signals:

- 1 **SIGHT** see the mechanism progressively move towards the point of break as the load is applied
- 2 **TOUCH** feel the point of torque
- 3 **SOUND** unmistakable **CLICK**
This makes it ideal for use in noisy environments



ACCESSIBILITY

Compact design ideal for restricted access

DURABILITY

Proven to be one of the most robust products in the market, the first choice for arduous conditions

ACCURACY

Exceeds requirements of ISO 6789

SCALE

Multiple scales – Nm, kg.m, lbf.in and lbf.ft are branded into steel tube, giving readability for the life of the product

FLEXIBILITY

Push-through square drive for left and right hand operation

SETTING

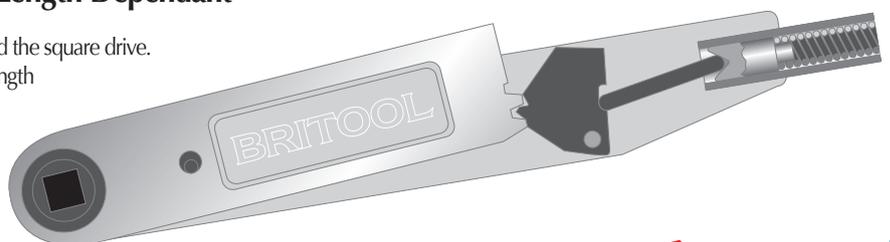
Retractable adjuster knob cannot be altered by accident

SERVICE

Fully repairable with dedicated service kits

Classic Mechanical Torque Wrench – Non-Length Dependant

Unlike most other torque wrenches, the mechanism pivots around the square drive. This gives the major advantage in that the torque wrench is not length dependant. As a result there is no variation to the application of the preset torque value, no matter where the handle is grasped.

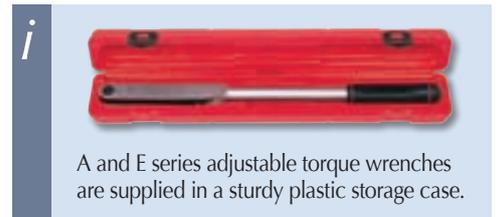


Classic Torque Wrench Ranges

Ref.	Square drive	N.m															
		2.5	5	10	20	33	50	70	100	135	200	225	300	330	480	720	940
AVT100A	3/8	█															
AVT300A		█															
AVT600		█															
EVT600A	1/2	█															
EVT1200A		█															
EVT2000A		█															
EVT3000A		█															
HVT5000	3/4	█															
HVT7200		█															
GVT8400	1	█															

Scale Divisions

Series	N.m	Kg.m	lbf.in	lbf.ft
100	0.5	0.1	10.0	1.0
300	1.0	0.1	10.0	1.0
600	2.0	0.2	20.0	2.0
1200	5.0	1.0	50.0	2.0
2000	5.0	1.0	50.0	2.0
3000	10.0	1.0	100.0	10.0
5000	10.0	-	100.0	10.0
8400	10.0	-	-	10.0



GVT8400

HVT7200

HVT5000



How To Read The Britool Torque Wrench Code

Square drive size inches	Regular type	Torque Wrench	Maximum lbf.in	Scale type
E	V	T	3000	A
Aero 3/8 Engineers 1/2 Heavy 3/4 Giant 1	Variable (regular, adjustable type)			A denotes a production change to the latest model

The example code in the blue band is for a 1/2" variable torque wrench, maximum 3000 lbf.in

Torque Measurement Conversion Chart

TO CONVERT FROM	TO CONVERT TO								
	mN.m millinewton-metre	cN.m centinewton-metre	N.m newton-metre	daN.m decanewton-metre	cm.kg centimetre-kg	m.kg metre-kg	in.oz inch-ounce	in.lb inch-pound	ft.lb foot-pound
1mN.m	1	0.1	0.001	0.0001	0.0102	0.000102	0.1418	0.00886	0.000738
1cN.m	10	1	0.01	0.001	0.102	0.00102	1.418	0.0886	0.00738
1N.m	1000	100	1	0.1	10.2	0.102	141.8	8.863	0.738
1daN.m	10000	1000	10	1	102	1.02	1418	88.63	7.38
1cm.kg	98	9.8	0.098	0.0098	1	0.01	13.9	0.869	0.0724
1m.kg	9810	981	9.81	0.98	100	1	1390	86.90	7.24
1in.oz	7.05	0.705	0.00705	0.0007	0.072	0.0072	1	0.063	0.0052
1in.lb	112.8	11.28	0.1128	0.01128	1.152	0.0115	16	1	0.083
1ft.lb	1350	135	1.35	0.135	13.8	0.138	192	12	1



Classic Mechanical Torque Wrenches

• Certified accuracy to $\pm 4\%$

AVT100A



3/8" Classic

Ref.	Square drive	Torque range Nm	Length mm	List £
AVT100A	3/8	2.5-11	318	£104.71
AVT300A	3/8	5-33	422	£104.71
AVT600	3/8	12-68	476	£111.10

EVT600A



EVT3000A



1/2" Classic

Ref.	Square drive	Torque range Nm	Length mm	List £
EVT600A	1/2	12-68	476	£111.10
EVT1200A	1/2	25-135	546	£116.87
EVT2000A	1/2	50-225	597	£137.95
EVT3000A	1/2	70-330	825	£163.19

HVT5000



GVT8400



3/4" & 1" Classic

Ref.	Square drive	Torque range Nm	Length mm	List £
HVT5000	3/4	140-560	1130	£412.10
HVT7200	3/4	200-810	1181	£412.10
GVT8400	1	480-940	1397	£600.97

• Exceeds the requirements of ISO 6789



Series 2 Torque Wrenches



TORQUE RANGE

Ref.	Drive	Capacity Nm Min. Max.	Length mm	List £
D25T	1/4" Ratchet	5 - 25	290	£116.13
A50T	3/8" Ratchet	10 - 50	370	£116.13
E100T	1/2" Ratchet	20 - 100	435	£116.13
E200T	1/2" Ratchet	40 - 200	495	£131.97
E340T	1/2" Ratchet	60 - 340	650	£146.75

- Strong 72 tooth ratchet
- Split scale adjustment system
 - Linear major scale - for coarse adjustment
 - Rotary minor scale - for fine adjustment
- Positive lock - preventing accidental adjustment whilst in use
- Complies with ISO 6789
- Certified accuracy to $\pm 4\%$

Multifunctional Electronic Torque Wrenches



Multifunction Electronic Torque Wrenches

Ref.	Square drive	Torque range Nm	Length mm	List £
DVTM28E	1/4	2.8-28.3	400	£463.74
AVTM125E	3/8	12.5-125.0	400	£446.74
EVTM250E	1/2	25-250	475	£471.06

Dial Indicating Torque Wrenches



Dial Indicating Torque Wrenches - Needle Type

Ref.	Square drive	Torque range Nm	Length mm	List £
ADT18	3/8	3.6-18.0	255	£213.64
ADT35	3/8	7-35	255	£213.64
ADT70	3/8	14-70	380	£213.64
EDT240	1/2	48-240	545	£267.45



Hexagon Drive - Female - Adjustable

Ref.	Hex drive	Torque range Nm	Length mm	List £
TD20	4mm	4-20cNm	96.5	£126.69
TD75	1/4	15-75cNm	130	£126.69
TD250	1/4	0.5-2.5Nm	148	£95.02

1/4" Hexagon Drive - Female - Dial Indicating

Ref.	Square drive	Torque range eN.m	Length mm	List £
TDT50	1/4	0-50	178	£184.29
TDT100	1/4	0-100	178	£184.29
TDT250	1/4	0-250	250	£184.29
TDT500	1/4	0-500	250	£191.50



Torque Calibration & Testing



- SI Metric and English imperial units
- Track and peak modes
- Accuracy +/-1% over operational range



Checkmate Torque Testers

Ref.	Description	Range Nm	G	List £
CM40	Torque Tester	5-50	R	£953.71
CM400	Torque Tester	36-360	R	£953.71
CM1000	Torque Tester	110-1100	R	£1184.55

Torque Multipliers

Ref.	Input	Max input	Output	Max output	Torque multiplication	G	List £
HXT28	3/4	560Nm	1	2800Nm	5 x	R	£667.76
EXT13	1/2	407Nm	3/4	1350Nm	3.3 x	R	£631.34