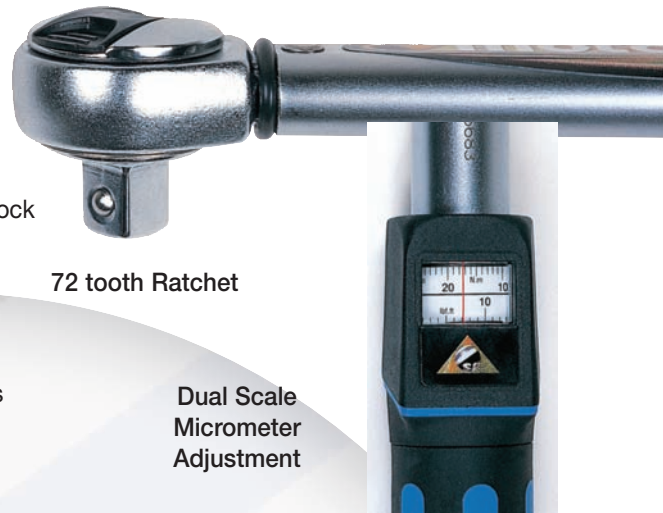




## The 'Motorq' Professional Torque Wrench Range

Features on all Torque Wrenches in the 'Motorq' range include:-

- Secure locking mechanism to avoid forced adjustment against the lock
- Extended handle for comfort, and reduced calibration drift
- 72 tooth Ratchet (ratchet repair kits available)
- Dual scale - Nm / lbf.ft
- Chemical resistant lens for clear reading of scale
- Accurate to + / - 3%, manufactured to ISO6789 standard
- Supplied with calibration certificate, traceable to National Standards
- Full after sales service and calibration available



72 tooth Ratchet

Dual Scale  
Micrometer  
Adjustment

Part No.	Model	Sq Dr	Torque NM	Torgue Lbs. Ft	Length mm	Weight kg	
80002000	Motorq 20	3/8 push-thru	4 - 20	3 - 15	210	0.40	
80006000	Motorq 60	3/8 reversible	8 - 60	6 - 45	305	0.60	
80010000	Motorq100	3/8 reversible	20 - 100	15 - 74	356	0.75	
80010100	Motorq100	1/2 reversible	20 - 100	15 - 74	356	0.75	
80020000	Motorq200	1/2 reversible	40 - 200	30 - 148	455	1.00	
80030000	Motorq300	1/2 push-thru	60 - 300	44 - 221	570	1.40	
80033000	Motorq330	1/2 push-thru	60 - 330	44 - 243	690	1.40	
80039900	Motorq399	3/4 push-thru	80 - 400	59 - 295	690	2.10	

'Motorq' Torque Wrenches spare parts :

Ratchet Repair Kits :

- 80011500 Ratchet Repair Kit ( 3/8 sq dr ) for Motorq60 / Motorq 100
- 80030500 Ratchet Repair Kit ( 1/2 sq dr ) for Motorq 100 / Motorq 200
- 80033500 Ratchet Repair Kit ( 1/2 sd dr push-thru ) for Motorq 300 / Motorq 330 - single pawl
- 80033600 Ratchet Repair Kit ( 1/2 sd dr push-thru ) for Motorq 300 / Motorq 330 - twin pawl
- 80033800 Ratchet Repair Kit ( 1/2 sd dr push-thru ) for Motorq 300 / Motorq 330 - quad pawl



## 'Motorq' Heavy Duty Torque Wrench Range

Features include:-

- Break-back type of torque wrench for heavy-duty applications
- 36 tooth ratchet head with push-thru square drive
- Graduated scale on handle for easy adjustment
- Supplied with Calibration Certificate, traceable to National Standards
- Full after-sales service and calibration available

Motorq Heavy Duty Torque Wrench Specifications:-

Reference	Sq. dr.	Range Nm	Range lbf.ft	Length	Weight
80040000	3/4"sq dr push-thru	150 - 700	110 - 516	1090mm	6.00kg
80040200**	3/4"sq dr push-thru	150 - 700	110 - 516	1090mm	6.00kg
80050000	3/4"sq dr push-thru	300 - 1000	221 - 738	1470mm	7.00kg
80050200**	3/4 "sq dr push-thru	300 - 1000	221 - 738	1470mm	7.00kg
80055000	1" sq dr push-thru	700 - 1500	500 - 1000	1470mm	10.40kg

All models supplied with Calibration Certificate traceable to National Standards  
 \*\* Models 80040200 / 80050200 supplied with NAMAS / UKAS Laboratory Calibration Certificate



Heavy Duty Ratchet

Heavy Duty Torque Wrench Spare Parts :

- 80040900 3/4 square drive
- 80041000 3/4 to 1" square drive adaptor



## 'Motorq' Heavy Duty Torque Multipliers

Features include:-

- Single stage epicyclic gears, producing a 5 : 1 multiplication ratio
- Use with conventional torque wrenches for heavy duty applications
  - Supplied with reaction bars, in plastic storage case
  - After sales service available

'Motorq' Torque Multipliers Specifications:-

Reference	Ratio	Input Drive	Max. Input	Output Drive	Max. Output	Weight
80060000	5 : 1	1/2" sq.dr. / 32mm hex	340 Nm	3/4"	1700 Nm	4.3kg
80065500	5 : 1	3/4" sq.dr. / 36mm hex.	540 Nm	1"	2700 Nm	4.5kg



Heavy Duty Torque Multiplier Spare Parts

- 80060200 3/4 square drive (post 1994)
- 80060300 3/4 square drive (pre 1994)



## 'Tuftorq' Professional Torque Wrench

- A classic design of Mechanical Torque Wrench
- Ideal for Industrial and Engineering applications
- Slim design for ease of access
- Robust construction for durability in the most extreme working environments



Reference	Model	Sq.Dr.	Nm	Lbf.ft	Length	Weight
82002000	Tuftorq 20	3/8"	2.5 – 11 Nm	2 – 8	300mm	0.56kg
82007000	Tuftorq 70	1/2"	12 – 68 Nm	10 – 50	480mm	1.00kg
82015000	Tuftorq 150	1/2"	25 – 150 Nm	20 – 110	575mm	1.70kg
82025000	Tuftorq 250	1/2"	50 – 250 Nm	40 – 180	605mm	2.30kg
82035000	Tuftorq 350	1/2"	70 – 350 Nm	50 – 260	815mm	3.00kg
82080000	Tuftorq 800	3/4"	140 – 800 Nm	120 – 580	935mm	6.50kg

- Wide-angled 'break' point reduces risk of over application of torque
- 'Break' type torque wrench is not length dependant can be held anywhere on the handle or barrel.
- Guaranteed accuracy  $\pm 4\%$  in accordance with EN ISO 6789:2003.
- Dual scale: Nm and Lbf.ft.
- Precision torque setting, using a simple fold-away torque adjustment handle
- Triple signal when the set torque is reached:
  - Sound – hear the 'click'
  - Sight – watch the mechanism move, and watch it 'break'
  - Touch – feel the 'break' as the effort required is reduced
- Push-through square drive enables left hand and right hand tightening.
- Supplied in moulded plastic storage case
- Supplied with fully traceable Calibration Certificate to international standards
- Repair and Calibration service available



Units	International System			English System		Metric System		
	m Nm	c Nm	Nm	Lbf.in	Lbf.ft	gf cm	Kgf cm	Kgf m
1 m Nm	1	0.1	0.001	0.009	0.0007	10.2	0.01	0.0001
1 c Nm	10	1	0.01	0.088	0.007	102	0.102	0.001
1 Nm	1000	100	1	8.851	0.738	10197	10.2	0.102
1 Lbf in	113	11.3	0.113	1	0.083	1152.1	1.152	0.0115
1 Lbf ft	1356	135.6	1.356	12	1	13826	13.83	0.138
1 gf cm	0.098	0.01	0.0001	0.0009	0.00007	1	0.001	0.00001
1 Kgf cm	98.07	9.807	0.098	0.868	0.072	1000	1	0.01
1 Kgf m	9807	980.7	9.807	86.8	7.233	100000	100	1

Spare Parts	
82000100	- Replacement Sq Dr 3/8
82010100	- Replacement Sq Dr 1/2
82080100	- Replacement Sq Dr 3/4





## 'HandiTorg' Torque Wrench with Quick Release Ratchet

- Professional quality torque wrench c/w reversible QR ratchet
- Bi-directional - can be used for left-hand and right-hand applications
- Simple adjustment and locking mechanism



Reference	Model	Sq. Dr.	Nm	Lbf ft	Length	Weight
81002000	HandiTorg 20	1/4"	4 – 20	39.8 – 172.6**	325mm	0.64kg
81010000	HandiTorg 100	3/8"	20 – 100	16.6 – 71.9	435mm	1.30kg
81020000	HandiTorg 200	1/2"	40 – 200	33.2 – 143.8	521mm	1.59kg
81033000	HandiTorg 330	1/2"	60 – 340	51.6 – 243.4	613mm	1.81kg

\*\*Lbf ft ins

- Manufactured to ISO 6789 quality standard with accuracy to +/- 3%
- Supplied with fully traceable Calibration Certificate to international standards
- Dual Scale : Nm and Lbf.ft
- Quick release ratchet with revering lever
- Micrometer scale adjustment with spring loaded locking ring
- Supplied in moulded plastic storage case
- Repair and Calibration service available



## 'Motorq' Angular Torque Gauges

80070000 'Motorq 700' Angular Torque Gauge 1/2" sq. dr.

80075000 'Motorq 750' Angular Torque Gauge 3/4" sq. dr.

- For turning torqued fasteners through a further angle, as per vehicle manufacturers' specifications
- Oil resistant, non-reflective surface and adjustable reaction arm
- Supplied with both male and female square drives

