

TORQUE

 Sykes-Pickavant®



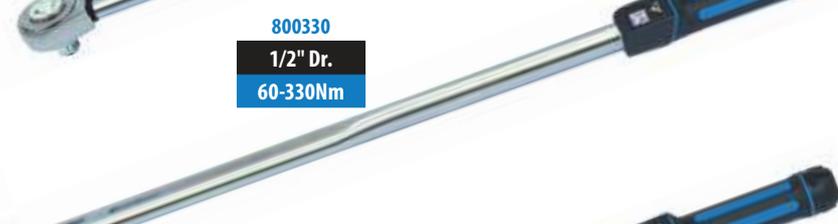
WRENCHES

Motorq Professional Torque Wrenches

The 'Motorq' professional range of torque wrenches offer accuracy, comfort and ease of use. The push-through ratchet has been designed for strength with 24 or 30 tooth pattern but with unique engagement design which gives a small rotation angle of 5° or 6°. This type of ratchet provides more precise engagements per revolution and makes left hand torque possible.



- Secure locking mechanism to avoid forced adjustment against the lock
- Extended soft touch handle for comfort and reduced calibration drift
- Fixed-head push-thru ratchet engineered for strength and durability and operates in both clockwise and anti-clockwise directions (ratchet repair kits available)
- Dual scale micrometre style adjustment (Nm/lbf.ft)
- Chemical resistant handle and lens for clear reading of scale
- Accurate to +/- 3% of reading, manufactured to ISO9000:2000 standard
- Supplied with calibration certificate, traceable to national standards
- Supplied in sturdy blow moulded case with hanging slot for protection during storage and transportation



| Part No. | Description | Drive | Torque Capacity | | Length mm | Weight Kg | Ratchet Repair Kit |
|----------|-------------|---------|-----------------|----------|--------------|--------------|--------------------|
| | | Sq. Dr. | Nm | Lbf. ft. | | | Part No. |
| 800020 | Motorq 20 | 3/8" | 4-20 | 40-180* | 220 | 0.40 | - |
| 800060 | Motorq 60 | 3/8" | 8-60 | 5-45 | 307 | 0.80 | 800116 |
| 800100 | Motorq 100 | 3/8" | 20-100 | 15-80 | 347 | 0.70 | 800116 |
| 800101 | Motorq 101 | 1/2" | 20-100 | 15-80 | 347 | 0.70 | 800116 |
| 800200 | Motorq 200 | 1/2" | 40-200 | 30-150 | 443 | 1.00 | 800306 |
| 800300 | Motorq 300 | 1/2" | 60-300 | 45-220 | 570 | 1.40 | 800336 |
| 800330 | Motorq 330 | 1/2" | 60-330 | 45-250 | 683 | 1.50 | 800336 |
| 800399 | Motorq 399 | 3/4" | 80-400 | 60-300 | 683 | 2.10 | 800396 |

* Denotes lbf.in.



800805
Motorq Professional Torque Wrench Merchandiser

- Designed as a wall mount or free standing unit to house and display six professional Motorq Torque Wrenches and one Torque Angle Gauge
- Wrenches are held securely by the ratchet heads allowing for easy retrieval
- A convenient storage compartment is located on the rear of the unit to discreetly house the six wrench cases
- Available as panel only for customers who have existing torque wrench stock
- **800806** Merchandiser Panel
- Contents may be customised to suit individual customer requirements (minimum order quantity, please enquire)



Allocated compartments at both the rear & the top to keep cases and calibration certificates safe.



TORQUE

Contents

| Part No. | Description | Drive Sq. Dr. | Range Nm | Qty |
|----------|--------------------|---------------|----------|-----|
| 800020 | Motorq 20 | 3/8" | 4-20 | 1 |
| 800060 | Motorq 60 | 3/8" | 8-60 | 1 |
| 800100 | Motorq 100 | 3/8" | 20-100 | 1 |
| 800200 | Motorq 200 | 1/2" | 40-200 | 1 |
| 800300 | Motorq 300 | 1/2" | 60-300 | 1 |
| 800330 | Motorq 330 | 1/2" | 60-330 | 1 |
| 800700 | Torque Angle Gauge | 1/2" (M&F) | - | 1 |

WRENCHES

Motorq Heavy Duty Torque Wrenches

The 'Motorq' Heavy Duty range of 'Break Back' action torque wrenches provide an unmistakable signal that can be seen and felt when the set torque is reached. This reduces the possibility of over torquing during noisy and demanding situations in the workshop or at the track.

- Robust construction for heavy duty applications
- Unique 'Break Back' action mechanism gives unparalleled control over the applied torque
- Accurate to +/- 4% of reading, manufactured to ISO9000:2000 standard
- 36 tooth ratchet head with push-thru square drive
- Graduated scale on handle for easy adjustment
- Supplied with calibration certificate, traceable to national standards
- Supplied in sturdy blow moulded case (**800582**) for protection during storage and transportation. Internal handle clips into place for easy carrying



800400

3/4" Dr.

150-700Nm



800500

3/4" Dr.

300-1000Nm



800550

1" Dr.

700-1500Nm



| Part No. | Description | Drive | Torque Capacity | | Length | Weight | Ratchet Repair Kit |
|----------|-------------|---------|-----------------|----------|--------|--------|--------------------|
| | | Sq. Dr. | Nm | Lbf. ft. | mm | Kg | Part No. |
| 800400 | Motorq 400 | 3/4" | 150-700 | 100-500 | 1150 | 6.30 | 800408 |
| 800500 | Motorq 500 | 3/4" | 300-1000 | 200-750 | 1475 | 7.30 | 800408 |
| 800550 | Motorq 550 | 1" | 700-1500 | 500-1000 | 1470 | 10.9 | 800408 |

800582

Torque Wrench Storage Case

- Sturdy blow moulded case for protection during storage and transportation
- Internal handle clips into place for easy carrying
- One size fits each of the three Motorq heavy duty torque wrenches



Motorq Torque Angle Gauges

- For turning torqued fasteners such as cylinder head bolts, main and connecting rod bearing bolts and flywheel bolts through a further angle, as per vehicle manufacturer's specifications
- Oil resistant, non-reflective surface and adjustable reaction arm
- Supplied with both male and female square drives



800700

1/2" Dr.

M & F



800750

3/4" Dr.

M & F



800935

Digital Torque Angle Gauge

- For turning torqued fasteners through a further angle, as per vehicle manufacturer's specifications
- Simple to use - calibrate, set angle, mount and use
- Fits on to most ratchets, torque wrenches and power bars via magnetic attachment
- One single tool can be used on 1/4", 3/8", 1/2", 3/4" drives
- Indicates increasing angle on LCD display
- Works in both directions of rotation
- LEDs glow yellow when close to setting and change to green when desired setting is reached
- Audible notice when setting reached
- LEDs glow red when setting exceeded



MULTIPLIERS

Torque Multipliers

Designed to provide higher torque input than would otherwise be possible due to limitations of space or operator strength. The robust design is ideal for extensive use, providing the durability for long service life in tough environments.

- Robust construction means minimal maintenance and long life
- True 5:1, 15.5:1 or 26:1 torque multiplication, accuracy guaranteed better than +/-4%
- High ratios allow the use of a small torque wrench
- Supplied in carrying case with replacement square drive
- Anti wind-up ratchet (anti backlash) fitted to allow safer and more practical operation (**800660 & 800665**)
- Angle protractor for easy torque and angle tightening
- Supplied with two reaction bar styles for maximum versatility

800600

1/2" Input Dr.
3/4" Output Dr.
130-1300Nm



800660

1/2" Input Dr.
1" Output Dr.
300-3000Nm



800655

1/2" Input Dr.
1" Output Dr.
270-2700Nm



800665

1/2" Input Dr.
1" Output Dr.
450-4500Nm



| Part No. | Description | Multiplication Ratio | Torque Capacity | Input Drive | Output Drive | Weight |
|----------|------------------------|----------------------|-----------------|-------------|--------------|--------|
| | | | Nm | Sq. Dr. | Sq. Dr. | Kg |
| 800600 | Torque Multiplier 1300 | 5 : 1 | 130-1300 | 1/2" | 3/4" | 4.3 |
| 800655 | Torque Multiplier 2700 | 5 : 1 | 270-2700 | 1/2" | 1" | 4.5 |
| 800660 | Torque Multiplier 3000 | 15.5 : 1 | 300-3000 | 1/2" | 1" | 6.1 |
| 800665 | Torque Multiplier 4500 | 26 : 1 | 450-4500 | 1/2" | 1" | 7.0 |

TruCheck Plus

TruCheck Plus includes a comprehensive range of features to ensure the accuracy of precision torque equipment. The innovative design is suitable for click wrenches, dial and electronic wrenches and in 'track' mode will continuously monitor the torque signal.

- Features user 'selectable limit' function. Simply set the target torque and tolerance and TruCheck will calculate whether the reading is within tolerance and indicate the result by illuminating one of three coloured LEDs:
Orange = Low, Green = OK, Red = High
- Fitted with an RS-232 output and includes an RS-232 cable. The reading measurement unit and limit status (Low, OK and High) are output via RS-232
- Three selectable torque units - Nm, lbf.ft. and lbf.in. (always calibrated in Nm)
- Auto reset hold time: two seconds
- Electromagnetic Compatibility (EMC) Directive in conformance with EN 61326:1997
- Includes 27mm hex 3/4" square drive socket (**800433** only)
- Supplied with a traceable calibration certificate

800432

1/2" Sq. Dr.

10-350Nm



800433

27mm Hex Dr.

100-1000Nm



| Part No. | Description | Torque Capacity (Nm) | Drive | Weight (shipping) | Display | Torque Units | Accuracy |
|----------|--------------------|----------------------|---------------|-------------------|---------------------------|--------------------------|--|
| 800432 | TruCheck Plus 350 | 10-350 | 1/2" Sq Dr | 3.2kg | 4 Digit, 7 Segment LED | Nm, lbf-ft and lbf-in | +/-1%, +/-1 Digit Over Stated Range |
| 800433 | TruCheck Plus 1000 | 100-1000 | 27mm Hex (M)* | 4.8kg | | | |

* Drive size: 27mm male hex drive supplied with 3/4" square drive socket.

SCREWDRIVERS

TORQUE SCREWDRIVERS

- Sykes-Pickavant torque screwdrivers are precision tools for critical torque setting on automotive components such as sensors, glow plugs, plastic fixtures and TPMS valve cores and valve nuts
- Features micrometre style adjustment (Nm)
- 1/4" square drive for use with 1/4" square drive accessories
- Includes square drive input at end of handle to allow for additional application of torque
- Supplied with 5mm hex key for torque adjustment
- Available in 3.0Nm and 10.0Nm configurations
- Supplied with calibration certificate



| Part No. | Description | Drive | Torque Capacity | Scale Increments | Length | Weight |
|----------|-----------------------|---------|-----------------|------------------|--------|--------|
| | | Sq. Dr. | Nm | Nm | mm | Kg |
| 800801 | Torque Screwdriver 3 | 1/4" | 0.1-3.0 | 0.1 | 170 | 0.45 |
| 800802 | Torque Screwdriver 10 | 1/4" | 2.0-10.0 | 0.5 | 170 | 0.45 |

800820 Tyre Pressure Monitoring System (TPMS) Torque Kit

- Ideal tool set to ensure critical torque settings are correct when servicing TPMS systems on modern and premium vehicles
- Contains tools required for servicing and replacing TPMS valve cores and nuts
- Features two Sykes-Pickavant torque screwdrivers with a combined range of 0.1 – 10.0Nm
- Supplied in protective foam tray
- Supplied with calibration certificate

Contents

| Part No. | Description | Specifications |
|----------|---------------------------|----------------|
| 800801 | Torque Screwdriver | 0.1 - 3.0Nm |
| 800802 | Torque Screwdriver | 2.0 - 10.0Nm |
| 699002 | T-Bar Handle (For 800802) | 3/8" Sq. Dr. |
| 699009 | 1/4" Valve Core Tool | - |
| 699010 | 1/4" Torx Bit | T10 |
| 699015 | 1/4" Deep Socket | 11mm |
| 699016 | 1/4" Deep Socket | 12mm |
| 699013 | TPMS Grommet Tool | - |



| Torque Screwdriver | | T-Bar Handle | Valve Core Tool | Torx Bit | Deep Socket | |
|--------------------|------------|--------------|-----------------|-----------------|-------------------|-------------------|
| 0.1-3.0Nm | 2.0-10.0Nm | 3/8" sq dr | 1/4" sq dr | T10 - 1/4"sq dr | 11mm - 1/4" sq dr | 12mm - 1/4" sq dr |