

ExacTorq[®] Series

Bi-Directional Micrometer Adjustable Torque Screwdriver



- DigiLock Control Mechanism revolutionizes manual torque adjustment. Positive locking detent secures selected torque value.
- Meets or exceeds ASME B107.300 - 2010 and ISO 6789 specifications, ships with a calibration certificate from our ISO/IEC 17025 Accredited Laboratory.
- Operator cannot over torque. Clutch releases automatically when desired torque has been achieved.
- Anti-backlash design enhances repeatability.
- Accuracy of +/- 6% Indicated Value.

Specifications

Part Number
Capacity
Graduation
Length (less bit)
Weight
Drive Size

ExacTorq 100

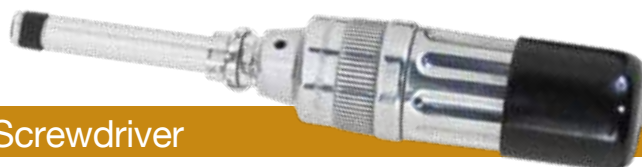
810045
20-100 in. oz.
1 in. oz.
6 ²⁷/₆₄"
0.4 lbs
1/4 in. F. Hex

ExacTorq 74

810046
15-74 cNm
1cNm
6 ³⁵/₆₄"
0.4 lbs
1/4 in. F. Hex

CAL 36/4 Series

Bi-Directional Micrometer Adjustable Torque Screwdriver



- Accuracy of +/- 6% Indicated Value (from 20% to 100% of capacity) meets or exceeds ASME B107.300-2010 and ISO 6789.
- Operators cannot overtorque - clutch releases at set torque. Anti-backlash design for repeatability.
- Includes FREE calibration certificate from our ISO/IEC 17025 Accredited laboratory! Can be ordered with certification for English or Metric units of measure. (Use Part No. 810017 for Nm certification on Cal 36/4.)

CAL 36/4K 6 & 29 Piece Kits available. Visit srortorque.com for details

Specifications Part No.

Capacity
Graduation
Length (less bit)
Grip Diameter
Weight
Drive Size

CAL 36/4 810587

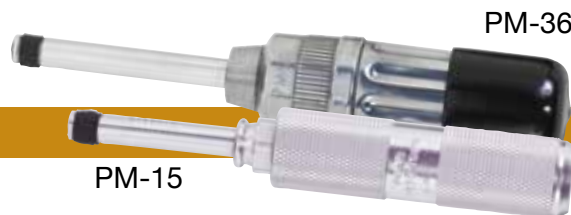
2-36 in. lbs./.2-4 Nm
2 in. lbs./.2 Nm
7 ¹⁹/₆₄"
1 3/8"
0.5 lbs.
1/4" Female Hex

CAL 40 810477

3-40 kgf•cm.
2 kgf•cm
7 ³⁹/₆₄"
1 3/8"
0.5 lbs.
1/4" Female Hex

PM Series

Bi-Directional Preset Screwdriver



- Perfect for assembly of electronic components and precision mechanical products!
- Electro-static discharge compliant when ESD practices are used.
- Clutch releases automatically when preset torque attained - no overtorquing. Anti-backlash design for repeatability.
- Accuracy of +/- 6% (from 20% to 100% of capacity) meets or exceeds ASME B107.300 - 2010 and ISO 6789 requirements.
- Torque value can be set using any unit of torque measure.

Specifications Part No.

Capacity
Length (less bit)
Grip Diameter
Weight
Drive Size

PM-5 810007

100 in. ozs.
5 ¹⁷/₆₄"
49/64"
0.25 lbs.
1/4" F. Hex

PM-15 810064

15 in. lbs.
6 ²¹/₆₄"
1 1/32"
0.3 lbs.
1/4" F. Hex

PM-36 810563

36 in. lbs.
7 ⁵/₃₂"
1 ¹⁵/₆₄"
0.5 lbs.
1/4" F. Hex

WARNING



- Do not exceed rated torque
- Do not use to break fasteners loose
- Periodic recalibration is necessary to maintain accuracy
- Read safety precautions on page 57

Thrust Load Testing PM Series Screwdrivers

Torque tools are used to remove variables in the measuring and tightening process.

A poorly designed tool does not eliminate variables introduced by the operator. It does not achieve the intended goal and becomes a variable in and of itself.

When it comes to screwdrivers, an operator naturally applies thrust force to prevent slipping off, or out of the screw. A properly designed screwdriver eliminates the variable of thrust force.

If the design allows the measuring element to be affected by thrust force, the results in the test lab will be quite different from the actual results on the shop floor.

In our test methodology our results had to be reproducible and quantifiable. First we tested the transducer used in the test to ensure that it was unaffected by thrust loads.

Then we tested our screwdrivers with no thrust force, followed by testing with measurable thrust force through the use of certified weights.

When you find a torque screwdriver with results like this, buy it.

PM-5 set @ 20 in.oz.

Test #	w/o Thrust Load		w/10 lb Thrust Load		w/30 lb Thrust Load	
	Actual	+/- Accuracy	Actual	+/- Accuracy	Actual	+/- Accuracy
1	19.6	-2.000%	19.8	-1.000%	19.4	-3.000%
2	19.3	-3.500	20.4	2.000%	19.4	-3.000%
3	19.7	-1.500%	20.6	3.000%	19.4	-3.000%
4	19.4	-3.000%	19.8	-1.000%	19.7	-1.500%
5	20.7	3.500%	20	0.000%	20	0.000%
6	20.5	2.500%	19.7	-1.500%	20.2	1.000%
7	20.6	3.000%	20.3	1.500%	20	0.000%
8	20	0.000%	20	0.000%	19.6	-2.000%
9	19.8	-1.000%	19.9	-0.500%	19.8	-1.000%
10	19.3	-3.500%	19.6	2.000%	19.9	-0.500%
11	19.7	-1.500%	19.9	-0.500%	20.6	3.000%
12	19.7	-1.500%	19.8	-1.000%	20.4	2.000%
13	19.7	-1.500%	20.01	0.050%	20.3	1.500%
14	19.5	-2.500%	19.9	-0.500%	19.6	-2.000%
Average	19.821	-0.893%	19.979	-0.104%	19.879	-0.607%
Range	1.4		1		1.2	

PM-15 set @ 3 in.lb.

Test #	w/o Thrust Load		w/10 lb Thrust Load		w/30 lb Thrust Load	
	Actual	+/- Accuracy	Actual	+/- Accuracy	Actual	+/- Accuracy
1	3.08	2.667%	2.96	1.333%	3.02	0.667%
2	2.99	-0.333%	2.99	-0.333%	3.03	1.000%
3	2.93	-2.333%	3.08	2.667%	3.01	0.333%
4	2.9	-3.333%	3.08	2.667%	3.01	0.333%
5	2.92	-2.667%	3.1	3.333%	2.97	-1.000%
6	2.93	-2.333%	3.13	4.333%	3.01	0.333%
7	2.92	-2.667%	3.02	0.667%	3.08	2.667%
8	2.98	-0.667%	2.99	-0.333%	3.08	2.667%
9	2.95	-1.667%	2.98	-0.667%	3.08	2.667%
10	2.99	-0.333%	2.98	-0.667%	3.12	4.000%
11	2.93	-2.333%	2.97	-1.000%	3.03	1.000%
12	2.95	-1.667%	2.99	-0.333%	2.99	-0.333%
13	2.9	-3.333%	3.01	0.333%	2.96	-1.333%
14	2.96	-1.333%	3.09	3.000%	2.96	-1.333%
Average	2.952	-1.595%	3.026	0.881%	3.025	0.833%
Range	0.18		0.17		.16	