

Torque Application Tools

Introduction

Gedore Torque offers the world's most comprehensive range of Torque Application Tools.

Torque Application Tools are used to apply a set torque to a fastener. When used, Torque Applying Tools will slip, break or click to signal to the operator when the set torque is reached.

Torque Application Tools are available as both screwdrivers and wrenches, with a wide torque range, to suit all application requirements. Choose from Preset Tools, that enable the consistent application of the same level of torque, or Calibrated Scale Tools, that enable a range of different torque settings to be applied.

Screwdrivers are available in a choice of aluminium, with its lighter weight and durability, or plastic, with an ergonomic hand grip for easier operator use.

All Torque Application Tools are guaranteed to deliver the correct torque every time, with absolute accuracy.

Types of Torque Application Tools

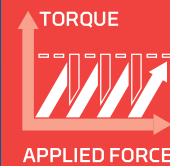
Preset Tools. Preset tools are ideal in environments that require the same torque to be applied to a fastener time after time. They can be used by operators of any skill level, as the level of torque applied by the tool is pre-set using a Calibration Analyser.

Calibrated Scale Tools. Calibrated Scale Tools are ideal for use in situations where a range of different torque settings need to be applied. These types of tools have a visible scale that allows the user to adjust them to their desired torque setting.

The principles underlying Torque Tool Mechanisms

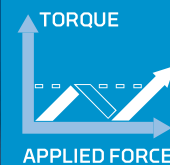
Slipping Tools... Overtightening Impossible

When the preset torque value is reached, (as indicated by the dotted line in the graph) a mechanism in these tools cause the application of torque to cease and the tools slip free.



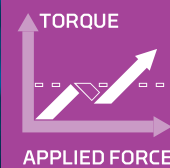
Breaking Tools... Overtightening Unlikely

When the preset torque value is reached, (as indicated by the dotted line in the graph) these tools break at a specific point along their length. The movement is approximately 20°.



Clicking Tools... Overtightening Possible

When the preset torque value is reached, (as indicated by the dotted line in the graph) the operator will hear and feel a click.



TLS

Aluminium TLS Preset Torque Screwdrivers

Torque range from 0.02 to 13.6 N.m

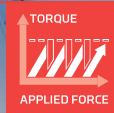
A range of compact aluminium preset torque screwdrivers, each of which delivers the correct torque accurately and repeatedly.

All tools are also available with One Way (O/W) clockwise torque and anti clockwise torque.

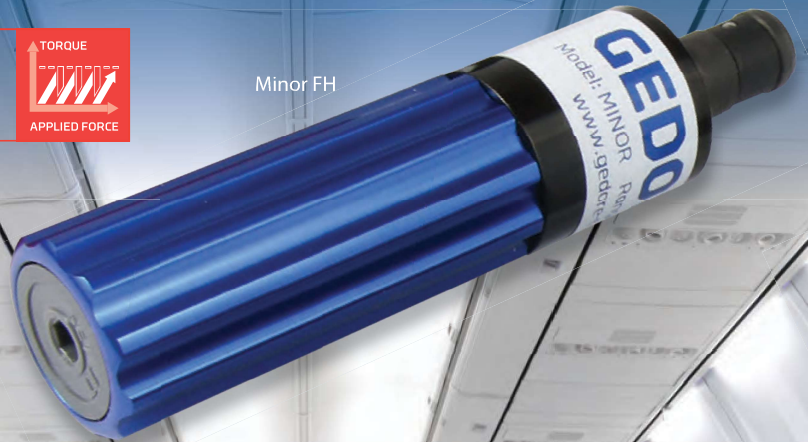
The models in this range include: TLS 0022, Minor, Standard & TLS 1360. Technical details of all models are given on pages 18-21.

These durable, versatile and lightweight tools can be used for Assembly, Maintenance and Servicing in any engineering or manufacturing environment.

Slipping Mechanism
Incorrect tightening is impossible



Minor FH



INDUSTRY SECTORS

Manufacturing



Automotive



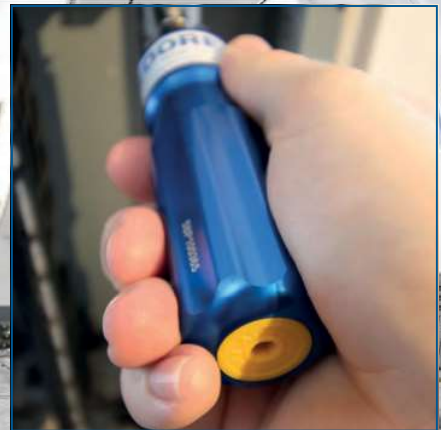
Electronics



Military



Consumer Products



Order Code	Model	Range		Drive	k mm	g	Repeatability	ISO 6789 Class	Colour
		ISO	Imperial						
015200	Minor FH	14-135 cN.m	1.2-12 lbf.in		111	210	+/- 6%	2F	Blue
015205	Minor FH O/W	14-135 cN.m	1.2-12 lbf.in		125	300	+/- 6%	2F	Blue
015600	Standard FH	50-400 cN.m	4.4-36 lbf.in		127	280	+/- 6%	2F	Blue
015605	Standard FH O/W	50-400 cN.m	4.4-36 lbf.in		127	300	+/- 6%	2F	Blue
015890	TLS 1360 FH	2.5-13.6 N.m	22-120 lbf.in		137	325	+/- 6%	2F	Blue
015895	TLS 1360 FH O/W	2.5-13.6 N.m	22-120 lbf.in		137	400	+/- 6%	2F	Blue
015999	Pack of four interchangeable coloured end caps (supplied free with all TLS Screwdrivers except 0022)								

Lightweight, high quality TLS Preset Torque Screwdriver range

Absolute accuracy and consistency.
Accurate process control is ensured by eliminating under and over tightening due to the proven slipping mechanism

Ease of use. Tools can be used by operators at any skill level, due to unique slipping mechanism

Improved production quality.
Accurate torque application reduces the likelihood of warranty and rework

Increased production efficiency.
Lightweight aluminium construction and smooth reset action of the tools increase production efficiency by reducing operator fatigue

Long tool life. High quality, robust construction

Operational versatility. These versatile tools are ideal for a wide range of applications, with wide torque range and one way slipping action option



Standard FH



TLS 1360 FH



Additional features

TLS range (excluding 0022 range) supplied as standard with a quick converter adaptor to 1/4" male square drive

For more information on ESD compliant versions. **See page 25**

Comprehensive range of Accessories, Bits and Blades. **See pages 88-89**

TLS Screwdrivers can be customised to your exacting requirements. **See page 83**

TLS Screwdrivers are supplied with a pack of four interchangeable coloured end caps to allow easy identification of what tool is set to what torque value, hence making a job more efficient. (Order Code: 015999) ● ● ● ● (not supplied with TLS 0022 screwdrivers)

For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476
Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?

YouTube

Watch our video

TLS

Aluminium TLS Preset Torque Screwdrivers

Torque range from 0.02 to 13.6 N.m

A range of compact aluminium preset torque screwdrivers, each of which delivers the correct torque accurately and repeatedly.

All tools are also available with One Way (O/W) clockwise torque and anti clockwise torque.

The models in this range include: TLS 0022, Minor, Standard & TLS 1360. Technical details of all models are given on pages 18-21.

These durable, versatile and lightweight tools can be used for Assembly, Maintenance and Servicing in any engineering or manufacturing environment.



Order Code	Model	Range		Drive	k	mm	}	g	Repeatability	ISO 6789 Class	Colour
		ISO	Imperial								
015000	TLS 0022 Micro FH	4-22 cN.m	5.7-32 ozf.in			76		050	+/- 6%	2F	Blue
015080	TLS 0022 FH	2-22 cN.m	2.8-32 ozf.in			104		072	+/- 6%	2F	Blue
015085	TLS 0022 FH O/W	2-22 cN.m	2.8-32 ozf.in			116		085	+/- 6%	2F	Blue

Lightweight, high quality TLS Preset Torque Screwdriver range

Absolute accuracy and consistency.
Accurate process control is ensured by eliminating under and over tightening due to the proven slipping mechanism

Ease of use. Tools can be used by operators at any skill level, due to unique slipping mechanism

Improved production quality.
Accurate torque application reduces the likelihood of warranty and rework

Increased production efficiency.
Lightweight aluminium construction and smooth reset action of the tools increase production efficiency by reducing operator fatigue

Long tool life. High quality, robust construction

Operational versatility. These versatile tools are ideal for a wide range of applications, with wide torque range and one way slipping action option



Slipping Mechanism
Incorrect tightening is impossible



TLS 0022 MICRO

TLS 0022 FH



Additional features

For more information on ESD compliant versions. **See page 25**

Comprehensive range of Accessories, Bits and Blades. **See pages 88-89**

TLS Screwdrivers can be customised to your exacting requirements. **See page 83**

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Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?

YouTube

Watch our video

Pro

Pro Preset Torque Screwdrivers

Torque range from 0.05 to 13.5 N.m

The Redefined Preset Torque Screwdriver range has been designed to complement our traditional accuracy, durability and quality with the benefits of a moulded plastic body and enhanced ergonomic design.

These durable, versatile and lightweight tools can be used for Assembly, Maintenance and Servicing in any engineering or manufacturing environment.

The models in this range include: ESD, Prime and Pro. Technical details of all models are given on pages 25-27.

Slipping Mechanism

Incorrect tightening is impossible



INDUSTRY SECTORS

Manufacturing



Automotive



Electronics



Military



Consumer Products



The Redefined Preset Torque Screwdriver range

Absolute accuracy and consistency. Accurate process control is ensured by eliminating under and over tightening due to the proven slipping mechanism

Ease of use. Tools can be used by operators at any skill level, due to unique slipping mechanism

Improved production quality. Accurate torque application reduces the likelihood of warranty and rework

Increased production efficiency. Dual formed moulded ergonomic handgrip is more suited to certain production techniques and provides comfort and grip to user. The smooth tool reset action increases production efficiency by reducing operator fatigue

Long tool life. High quality, robust construction. Many years of dependable service are provided by the robust design, especially if regularly calibrated

Operational versatility. These versatile tools are ideal for a wide range of applications, with wide torque range and one way slipping action option

To allow for customisation and clear identification interchangeable coloured end caps are available in packs of four (Order Code: 065800)



Additional features

Calibration stickers can be easily applied to the purpose designed nose

The 1/4" female hexagon Pro range proves versatile with a quick conversion to male square 1/4" drive by using a convertor (Order Code: 029200)

For more information on EPA compliant versions. **See page 25**

Comprehensive range of Accessories, Bits and Blades. **See pages 88-89**

Pro Screwdrivers can be customised to your exacting requirements. **See page 83**

Tool presetting service. **See page 98**

For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476
Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?

YouTube

Watch our video

PRO

Pro Preset Torque Screwdrivers

Torque range from 0.05 to 13.5 N.m

Versatile Preset Torque Application Screwdrivers for any manufacturing environment

These tools complement our traditional accuracy, durability and quality with the benefits of a moulded plastic body and enhanced ergonomic design

Durable, versatile and lightweight tools that can be used for Assembly, Maintenance and Servicing in any engineering or manufacturing environment

Pro 450 and 1350 models come with T-Bars as standard to assist with higher torque

To allow for customisation and clear identification interchangeable coloured end caps are available in packs of four (Order Code: 065800)



Comprehensive range of Accessories, Bits and Blades. **See pages 88-89**



Pro 25 & 150



Pro 450 & 1350

T-Bar

Slipping Mechanism

Incorrect tightening is impossible



ESD Preset Torque Screwdrivers

Torque range from 0.05 to 13.5 N.m

Preset Torque Application Screwdrivers for electronic component assembly

The ESD Preset Torque Screwdriver range is ideal for safe electronic component assembly as these tools are EPA compliant

Tools that complement our traditional accuracy, durability and quality with the benefits of a moulded plastic body and enhanced ergonomic design

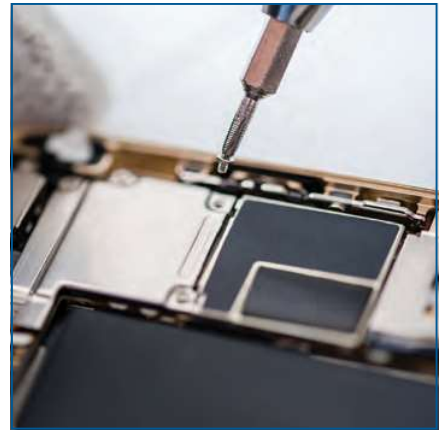
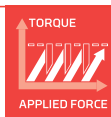
ESD 450 and 1350 models come with T-Bars as standard to assist with higher torque

To allow for customisation and clear identification interchangeable coloured end caps are available in packs of four (Order Code: 065800)



Slipping Mechanism

Incorrect tightening is impossible



For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476
Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?

YouTube

Watch our video

Order Code	Gedore Ref	Model	Range		Drive	k mm	g	Repeatability	ISO 6789 Class	T-Bar	
			ISO	Imperial							
065400	2927756	Pro 25 FH	0.05 - 0.25 N.m	0.45 - 2.2 lbf.in	$\frac{1}{4}$	132	210	+/- 6%	2F	X	X
065500	2927764	Pro 150 FH	0.2 - 1.5 N.m	1.8 - 13 lbf.in	$\frac{1}{4}$	132	210	+/- 6%	2F	X	X
065600	2927772	Pro 450 FH	0.5 - 4.5 N.m	4.5 - 40 lbf.in	$\frac{1}{4}$	140	230	+/- 6%	2F	✓	X
065700	2927780	Pro 1350 FH	2.5 - 13.5 N.m	22 - 120 lbf.in	$\frac{1}{4}$	140	230	+/- 6%	2F	✓	X
065405	2927799	ESD 25 FH	0.05 - 0.25 N.m	0.45 - 2.2 lbf.in	$\frac{1}{4}$	132	210	+/- 6%	2F	X	✓
065505	2927802	ESD 150 FH	0.2 - 1.5 N.m	1.8 - 13 lbf.in	$\frac{1}{4}$	132	210	+/- 6%	2F	X	✓
065605	2927810	ESD 450 FH	0.5 - 4.5 N.m	4.5 - 40 lbf.in	$\frac{1}{4}$	140	230	+/- 6%	2F	✓	✓
065705	2927829	ESD 1350 FH	2.5 - 13.5 N.m	22 - 120 lbf.in	$\frac{1}{4}$	140	230	+/- 6%	2F	✓	✓
065800	Pack of four interchangeable coloured end caps ●●●●										

Prime Preset Torque Screwdrivers

Torque range from 0.2 to 4.5 N.m

These tools have been specifically designed to provide a low cost product that is suitable for light or occasional use, or one-off applications. Can be used up to 2,000 cycles.

They have no certification and are not intended for regular or heavy use, where our Pro Preset range of preset screwdrivers should be selected.



Low cost Preset Torque Application Screwdrivers, for one-off applications or light use

Prime Preset Torque Screwdrivers offer a low cost option for applications where a torque tool may not previously have been considered

They combine accuracy with the benefits of a moulded plastic body and ergonomic design, to remove the risk of under or over tightening. As well as the application of torque, they can also undo fasteners, as One Way (O/W) action is standard

A comprehensive range of Accessories, Bits and Blades is available.
See pages 88-89



Slipping Mechanism

Incorrect tightening is impossible



Prime 150



Prime 450

For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476

Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?

YouTube

Watch our video

Order Code	Model	Range		Drive	k mm	g	Repeatability
		ISO	Imperial				
065100	Prime 150 FH	0.2 - 1.5 N.m	1.8 - 13 lbf.in		138	198	+/- 10%
065200	Prime 450 FH	0.5 - 4.5 N.m	4.5 - 40 lbf.in		138	198	+/- 10%

TLS

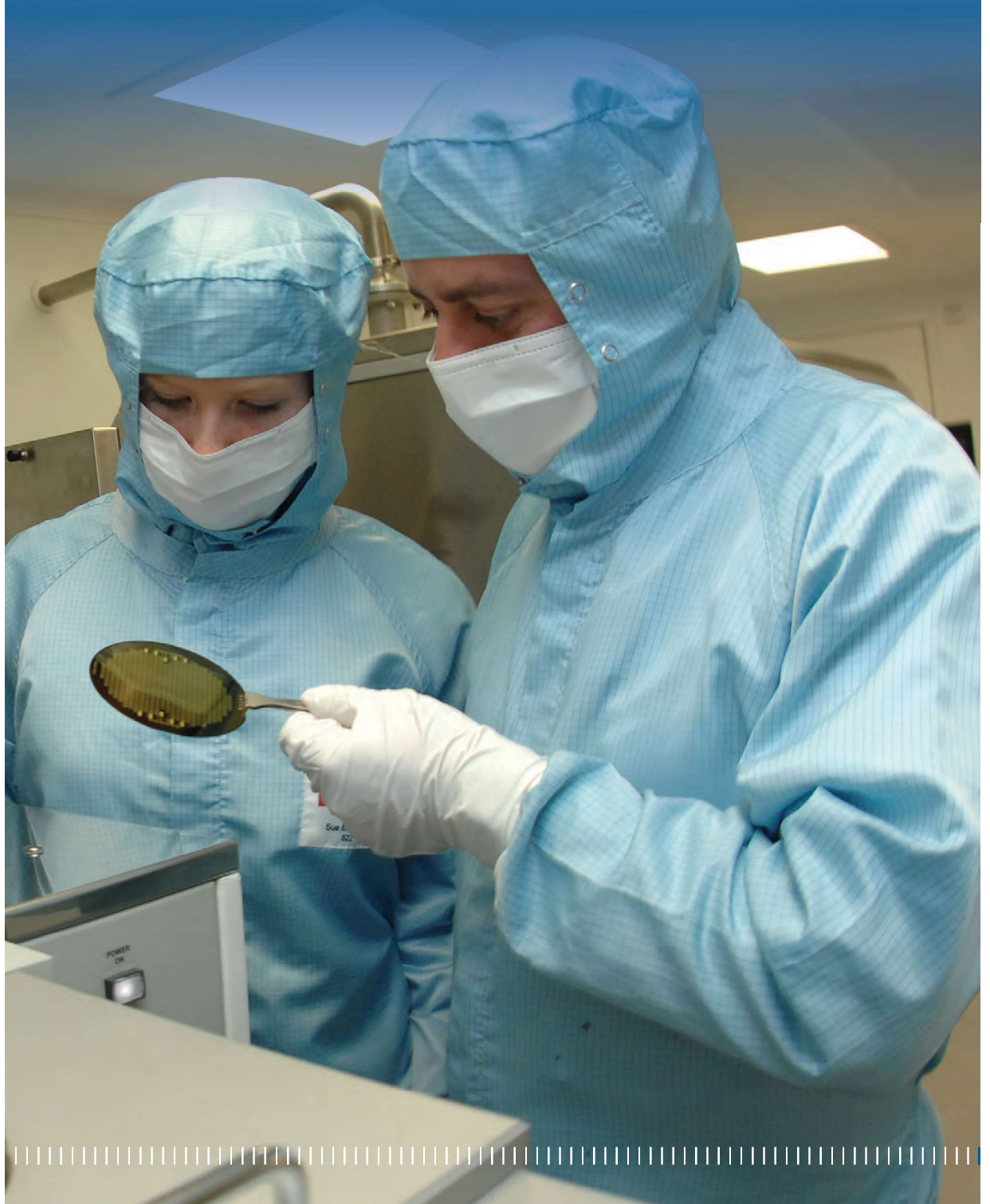
TLS Preset Clean Room Torque Screwdrivers

Torque range from 0.04 to 13.6 N.m

Clean Room (CRS) Class 100 Compliant

Designed specifically for use in Clean Rooms, to protect precision products from contamination during assembly, utilising PTFE impregnated sealed anodised aluminium handles.

External steel components are either high grade stainless steel or coated to inhibit corrosion thereby utilising suitable surface treatments and incorporating high performance seals in their design.



INDUSTRY SECTORS

Manufacturing



Automotive



Electronics



Military



Consumer Products

Preset Torque Screwdrivers for Clean Rooms

Increased operator comfort from the soft reset action of the tool

Complete control of the tightening process is achieved. Both under and over tightening are eliminated by our unique slipping mechanism

Suitable for use by operators of any skill level, as these tools will repeatedly deliver the set torque without the need for operator intervention

CRS Torque Screwdrivers are preset type torque tools. They must be set to the required value by using a Torque Analyser. **See page 78 for details**

Comprehensive range of Accessories, Bits and Blades. **See pages 88-89**

Slipping Mechanism

Incorrect tightening is impossible



CRS 100-1360 FH



CRS 100-1360 comes supplied with T-bar

CRS 100-0135 FH



CRS 100-0022 FH



For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476
Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?
YouTube
Watch our video

Order Code	Model	Range		Drive	k mm	g	Repeatability	ISO 6789 Class	Colour
		ISO	Imperial						
015089	CRS 100-0022 FH	2-22 cN.m	6-32 ozf-in		104	072	+/- 6%	2F	Grey
015209	CRS 100-0135 FH	14-135 cN.m	0.9-12 lbf-in		111	210	+/- 6%	2F	Grey
015609	CRS 100-0406 FH	50-400 cN.m	4.4-36 lbf-in		127	280	+/- 6%	2F	Grey
015939	CRS 100-1360 FH	2.5-13.6 N.m	22-120 lbf-in		137	325	+/- 6%	2F	Grey



ESD Electric Torque Screwdrivers

Torque range from 0.05 to 9.81 N.m

ESD Electric Torque Screwdrivers are ideal for the accurate and consistent application of torque in high volume production environments. These tools are durable,

efficient, effective and easy to use in any manufacturing business. Special features also make them suitable for the assembly of electronic and plastic products.



EF 120

K 450

INDUSTRY SECTORS

Manufacturing



Automotive



Electronics



Utilities



Consumer Products



HTC 35 Controller

HF Series



ESD Electric Torque Screwdrivers

EF 120, K 450 & HF Series

Electric Torque Screwdrivers, for accurate, effective and consistent torque application

Absolute accuracy and consistency.

Ease of use. The tools are easy to set up and require minimal operator training. The operator is able to work effectively and safely, as these tools are comfortable to use because of their ergonomic design. This can be further enhanced by pairing the driver with a tool weight balancer or torque reaction arm

Electronic assembly. Maximises the production yields of electronic assemblies as these tools protect the assembly from static shocks due to their ESD compliance

Improved production efficiency. Accurate torque application reduces the likelihood of rework and scrap by delivering controlled repeatable torque through features like 'slow start' mode that minimises cross threading

Long tool life and effective production.

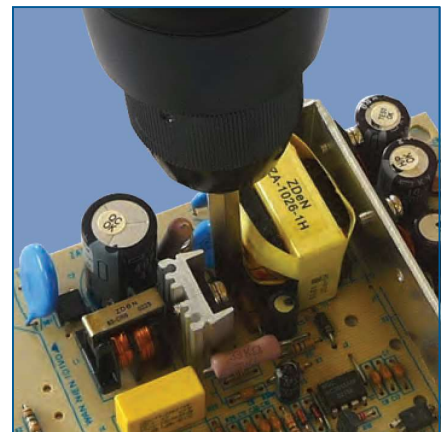
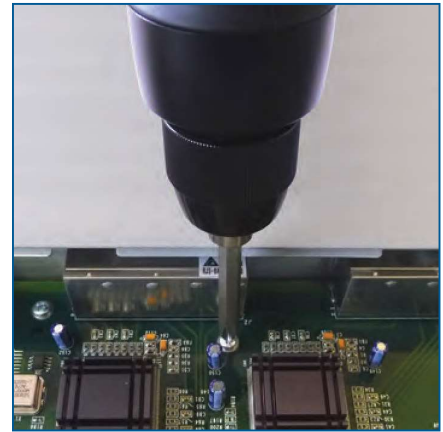
These tools maximise productivity by keeping downtime to a minimum, as they are constructed from durable robust materials and designed to last

Plastic assembly. Ensures the quality of plastic assembly tightening by combating joint relaxation through use of the 'doublehit' repeat torque mode

Please note: These tools must be used in conjunction with a controller listed below



STC 30+ Controller



Additional features

Details of Accessories and Power Bits.
See pages 84-95

Set and calibrate your Screwdriver with CAPTURE Hub Torque Calibration Analyser. **For more details see page 72** or visit www.gedore-torque.com

Torque counter balancer are available on request

Tamper proof cover to suit K series tools, order code: 090200.
EF tools, order code: 090210

For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476
Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?
YouTube
Watch our video

Order Code	Model	Range		RPM		Drive	g		CE	Repeatability
		ISO	Imperial	Hi	Low					
090010	EF 120	0.19-1.17 N.m	1.7-10.4 lbf.in	700	460		311	✓	✓	+/- 10%
090150	K 450	0.5-4.4 N.m	4.3-39 lbf.in	550	330		595	✓	✓	+/- 10%
090160	HF	3.9-9.81 N.m	34.7-87 lbf.in	550	150		810	✓	✓	+/- 10%
090001	HTC 35 Transformer (Compatible with HF Series)			-	-	-	816	-	✓	+/- 10%
090000	STC 30+ Controller (Compatible with EF 120 & K 450 Series)			-	-	-	950	-	✓	+/- 10%

Ergo

Ergo Quickset Adjustable Torque Screwdrivers

Torque range from 0.08 to 9 N.m

Ergo Quickset Adjustable Torque Screwdrivers are calibrated scale tools that can be used for the accurate and consistent application of torque in any manufacturing, engineering or servicing environment. They are EPA compliant, for safe electronic component assembly, and ergonomically designed for enhanced

operator comfort. Unique Slipping Technology ensures that the risk of over or under tightening is eliminated. Their adjustability and wide range of torque make them suitable for a broad range of applications.

QSN 120 FH



T-Bar is not included with the Ergo Quickset Screwdriver Range

QSN 600 FH

INDUSTRY SECTORS

Maintenance & Repair



Aerospace



Electronics



Military



Consumer Products

Ergo Quickset Adjustable Torque Screwdrivers (ISO and Imperial Scales)

Absolute accuracy and consistency. Accurate process control is ensured by eliminating under and over tightening due to the unique Slipping Technology

Calibrated scale. A visible scale allows the user to adjust the tool to their desired torque setting, enabling a range of different torque settings to be applied

Ease of use. Tools can be used with confidence by operators at any skill level, due to unique slipping mechanism

Easy to set up. Fast and accurate to set, using the quick and clear to read micrometer style setting scale with unique locking feature

Electronics. Ideal for safe electronic component assembly as this tool is EPA compliant for use in Electrostatically Sensitive Areas

Improved production quality. Accurate torque application reduces the likelihood of warranty and rework

Increased production efficiency. Increased operator comfort and productivity, from the smooth reset action of the tool and the ergonomic handle design

Long tool life. High quality, robust construction. Many years of dependable service are provided by the robust design and hard-wearing materials, that include stainless steel and aluminium

Operational versatility. These versatile tools are ideal for a wide range of applications, due to their adjustability and wide torque range



Additional features

Optional Lock On T-Bar for larger models of screwdriver, provides extra leverage (Order Code: P29530)

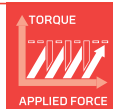
Can be supplied as part of a Service Repair Kit

Tool can be kept accurate and up to date with our Calibration service.

See page 98 for details

Slipping Mechanism

Incorrect tightening is impossible



For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476
Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?

YouTube

Watch our video

Order Code	Model	← Calibrated Range →		Drive	k mm	g	Repeatability	ISO 6789 Class	Adjusting Lock Colour	
		Range								
060700	QSN 40 FH	8-40 cN.m	1 cN.m	$\frac{1}{4}$	159	124	+/- 6%	2D	Blue	✓
060740	QSA 60 FH	12-60 ozf.in	1 ozf.in	$\frac{1}{2}$	159	124	+/- 6%	2D	Blue	✓
060720	QSA 4 FH	0.8-4 lbf.in	0.1 lbf.in	$\frac{1}{4}$	159	124	+/- 6%	2D	Blue	✓
060100	QSN 120 FH	20-120 cN.m	1 cN.m	$\frac{1}{2}$	183	230	+/- 6%	2D	Blue	✓
060140	QSA 160 FH	20-160 ozf.in	1 ozf.in	$\frac{1}{4}$	183	230	+/- 6%	2D	Blue	✓
060120	QSA 12 FH	2-12 lbf.in	0.1 lbf.in	$\frac{1}{2}$	183	230	+/- 6%	2D	Blue	✓
060300	QSN 600 FH	1-6 N.m	0.1 N.m	$\frac{1}{4}$	196	335	+/- 6%	2D	Blue	✓
060320	QSA 50 FH	10-50 lbf.in	1 lbf.in	$\frac{1}{4}$	196	335	+/- 6%	2D	Blue	✓
060500	QSN 900 FH	4-9 N.m	0.1 N.m	$\frac{1}{4}$	196	335	+/- 6%	2D	Blue	✓
060520	QSA 80 FH	30-80 lbf.in	1 lbf.in	$\frac{1}{4}$	196	335	+/- 6%	2D	Blue	✓

Quickset Adjustable Torque Screwdrivers

Torque range from 0.2 to 9 N.m

Quickset Adjustable Torque Screwdrivers are calibrated scale tools that can be used for the accurate and consistent application of torque in any manufacturing, engineering or servicing environment. Their adjustability and wide range of torque make them

suitable for a broad range of applications. These tools are durable, easy to use and the unique Slipping Technology means that the risk of over or under tightening is eliminated.

Quickset 6 FH



T-Bar is not included with the Ergo Quickset Screwdriver Range

Slipping Mechanism

Incorrect tightening is impossible



INDUSTRY SECTORS

Maintenance & Repair



Aerospace



Electronics



Military



Consumer Products

Quickset Adjustable Torque Screwdrivers (ISO and Imperial Scales)

Absolute accuracy and consistency.
Accurate process control is ensured by eliminating under and over tightening due to the unique Slipping Technology

Calibrated scale. A visible scale allows the user to adjust the tool to their desired torque setting, enabling a range of different torque settings to be applied

Ease of use. Tools can be used with confidence by operators at any skill level, due to unique slipping mechanism

Easy to set up. Fast and accurate to set, using the quick and clear to read micrometer style setting scale

Improved production quality.
Accurate torque application reduces the likelihood of warranty and rework

Increased production efficiency.
Increased operator comfort and productivity, from the smooth reset action of the tool and the ergonomic design

Long tool life. High quality, robust construction. Many years of dependable service are provided by the robust design and hard-wearing materials, that include stainless steel and aluminium

Operational versatility. These versatile tools are ideal for a wide range of applications, due to their adjustability and wide torque range



Additional features

Accessories. **See pages 84-95**

EPA compliant alternative available.
See page 32

Optional Lock On T-Bar for larger models of screwdriver, provides extra leverage when required. (Order Code: P29530)

Tool can be kept accurate and up to date with our Calibration service.
See page 98 for details

For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476
Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?
YouTube
Watch our video

Order Code	Model	← Calibrated Range →		Drive	k mm	g	Repeatability	ISO 6789 Class	Colour
		Range	Scale						
016040	Quickset Minor Metric FH	20-120 cN.m	1 cN.m		169	165	+/- 6%	2D	Blue
016060	Quickset Minor Imp FH	20-120 ozf.in	1 ozf.in		169	165	+/- 6%	2D	Blue
016070	Quickset Minor lbf.in FH	2-12 lbf.in	0.1 lbf.in		169	165	+/- 6%	2D	Blue
016500	Quickset 6 FH	1-6 N.m	0.1 N.m		184	335	+/- 6%	2D	Blue
016600	Quickset 50 FH	5-50 lbf.in	1 lbf.in		184	335	+/- 6%	2D	Blue
016700	Quickset 9 FH	4-9 N.m	0.1 N.m		184	335	+/- 6%	2D	Blue
016800	Quickset 80 FH	30-80 lbf.in	1 lbf.in		184	335	+/- 6%	2D	Blue

Dual Scale Quickset Screwdrivers Available:

Order Code	Model	← Calibrated Range →			Drive	k mm	g	Repeatability	ISO 6789 Class	Colour	
		ISO	Imperial	Scale							
016011	Quickset Minor DS	20-120 cN.m	1 cN.m	20-120 ozf.in	1 ozf.in		160	158	+/- 6%	2D	Blue
016550	Quickset 6 DS	1-6 N.m	0.1 N.m	5-50 lbf.in	1 lbf.in		169	340	+/- 6%	2D	Blue

TSN

TSN Preset Slipping Torque Wrenches

Torque range from 1 to 125 N.m

High quality tools that have been designed and precision-engineered to meet the stringent demands of manufacturing businesses in most industries. The tools have been given a full facelift, resulting in a contemporary, high quality appearance appropriate to high technology

manufacturing lines. The unique slipping mechanism eliminates under and over tightening in Production, hence ensuring absolute precision. EPA compliant.



TSN 55

TSN 10/90

Slipping Mechanism
Incorrect tightening is impossible



INDUSTRY SECTORS

Manufacturing



Automotive



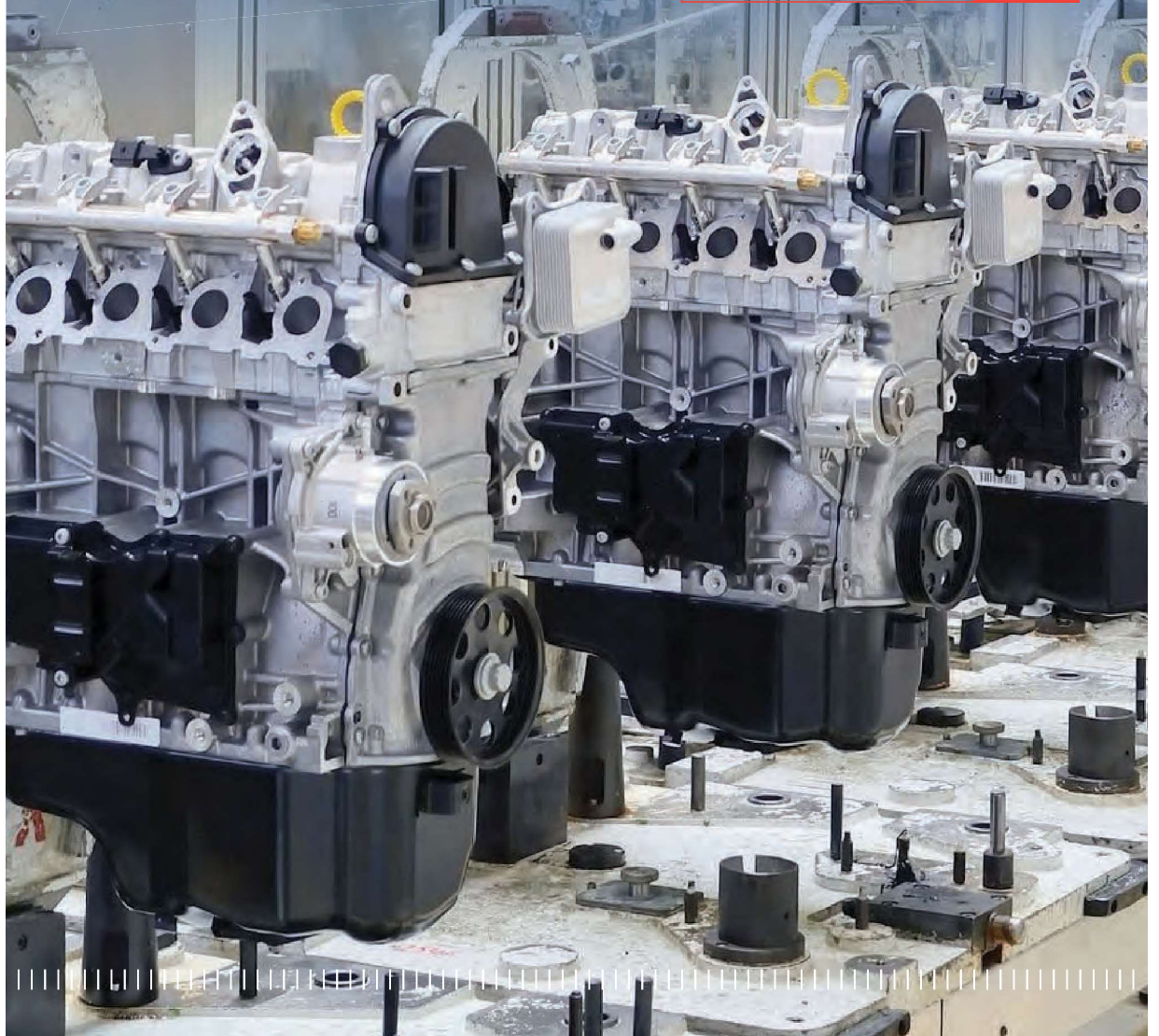
Aerospace



Military



Consumer Products



Preset Slipping Torque Wrenches

Models: TSN 5, 10, 25, 55 & 125

Absolute accuracy and consistency.
Accurate process control is ensured by eliminating under and over tightening, regardless of operator's hand position, due to the unique Slipping Technology

Ease of use. Tools can be used with confidence by operators at any skill level, due to unique slipping mechanism

Electronics. Ideal for safe electronic component assembly as this tool is EPA compliant for use in Electrostatically Sensitive Areas. See table for details

Improved production efficiency.
Reduces the likelihood of warranty and rework by assuring process control through accurate and repeatable torque setting due to its adjusting system

Improved Process Control. Process control can be further enhanced by using the Switch Operated Signal Torque versions (Sw) to confirm the correct torque has been applied to a particular fastener (see pages 42-43)

Long tool life. High quality, robust design and construction, further guaranteed by a two year warranty



Additional features

Accessories. See pages 84-95

EPA compliant alternative available. See table below

For details of Sockets. See page 87 or visit www.gedore-torque.com

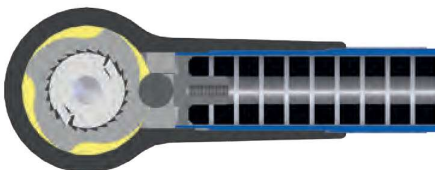
For Switch Operated Signal Torque versions (Sw). See pages 42-43

TSN Wrenches are preset type torque tools. They must be set to the required value by using a Torque Analyser like the DREMOTEST E or Capture Calibration System. See page 78 for details

TSN 25 versions come with either 1/4" or 3/8" Drive

TSN 5 & 10 use new bearing technology. The bearings are manufactured from self-lubricating polymer material, meaning that they are extremely wear resistant

Non-slip grip. TSN 5 & 10 utilise glass filled Nylon 66, giving non-slip grip. This means greater durability, anti-static properties and EPA compliance, for use in Electrostatically Sensitive areas.



Working principle of the Gedore Torque Slipping Wrenches

Order Code	Model	Range		Drive	k mm	kg	Repeatability	ISO 6789 Class	EPA
		ISO	Imperial						
011301	TSN 5/45	1-5 N.m	10-45 lbf.in	1/4	185	0.19	+/- 6%	2C	✓
011401	TSN 10/90	2-10 N.m	20-90 lbf.in	1/4	185	0.19	+/- 6%	2C	✓
011017	TSN 25 D	5-25 N.m	4-18 lbf.ft	1/4	216	0.34	+/- 4%	2C	✓
011019	TSN 25 A	5-25 N.m	4-18 lbf.ft	3/8	216	0.34	+/- 4%	2C	✓
011035	TSN 55	15-55 N.m	10-40 lbf.ft	3/8	324	0.80	+/- 4%	2C	✗
011055	TSN 125	40-125 N.m	30-90 lbf.ft	1/2	460	1.36	+/- 4%	2C	✗

TBN

TBN Preset Breaking Torque Wrenches

Torque range from 0.4 to 200 N.m

TBN Preset Breaking Torque Wrenches are robust production tools that reduce the chance of over-tightening, because of the unique Breaking Mechanism. They can be used for a wide range of applications, with

a choice of compatible interchangeable end fittings. Their durable yet compact design makes them easy to use in restricted spaces in any manufacturing or maintenance environment.

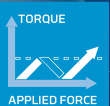


TBN 135

TBN 2

Breaking Mechanism

Incorrect tightening is unlikely



INDUSTRY SECTORS

Maintenance & Repair



Military

Manufacturing



Automotive



Aerospace



Electronics



Military



Consumer Products



TBN Preset Breaking Torque Wrenches

TBN 2, 10, 25, 65, 135 & 200



Improved accuracy, consistency and control. Accurate process control is ensured by reducing the risk of under and over tightening, due to unique Breaking Technology. This gives the operator more time to react once the target torque is reached

Compact slimline design. This maximises productivity in restricted space applications

Compatible End Fittings. A range of interchangeable end fittings is available, making this an extremely versatile tool. **See pages 84-86 for details**

Ease of use. Tools can be used with confidence by operators at any skill level, due to the unique Breaking Technology

Increased production efficiency. Increased operator comfort and productivity, from the ergonomic design, that includes lightweight materials and moulded handgrip

Long tool life. High quality, robust design and construction minimise tool replacement and downtime costs

Rectangular fitting version also available. **See table below**

Additional features

TBN 2 and 10 Wrenches will be supplied with a Calibration Certificate when ordered with an attached end fitting and pre-set

For EPA options, **see table below**

For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476
Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?



Watch our video

Order Code	Model	Range		Drive	k mm		Repeatability	ISO 6789 Class	
		ISO	Imperial		kg				
011100	TBN 2	0.4-2 N.m	3.5-18 lbf.in	Captive Pin	105	0.11	+/- 6%	2C	✓
011110	TBN 2 G	0.4-2 N.m	3.5-18 lbf.in		133	0.13	+/- 6%	2C	✓
011200	TBN 10	1-10 N.m	9-89 lbf.in	Captive Pin	105	0.13	+/- 6%	2C	✓
011210	TBN 10 G	1-10 N.m	9-89 lbf.in		133	0.15	+/- 6%	2C	✓
050000	TBN 25	5-25 N.m	4-18 lbf.ft		265	0.41	+/- 4%	2C	✗
050010	TBN 25 G	5-25 N.m	4-18 lbf.ft		265	0.41	+/- 4%	2C	✗
050100	TBN 65	10-65 N.m	7-48 lbf.ft		302	0.75	+/- 4%	2C	✗
050110	TBN 65 G	10-65 N.m	7-48 lbf.ft		302	0.75	+/- 4%	2C	✗
050200	TBN 135	27-135 N.m	18-100 lbf.ft		408	1.03	+/- 4%	2C	✗
050210	TBN 135 G	27-135 N.m	18-100 lbf.ft		408	1.03	+/- 4%	2C	✗
050300	TBN 200	40-200 N.m	29-147 lbf.ft		520	1.40	+/- 4%	2C	✗
050310	TBN 200 G	40-200 N.m	29-147 lbf.ft		520	1.40	+/- 4%	2C	✗

50V

50V Insulated Preset Torque Wrenches

Torque range from 0.4 to 25 N.m

These tools have been precision-engineered to provide absolute accuracy and user safety during electrical assembly and maintenance. Our unique breaking or

slipping mechanism eliminates the risk of incorrect tightening and the compact tool design provides protection where there are electrically live components, up to 50V.

Essential service and maintenance - with no power

Helicopters require frequent maintenance and servicing, in order to ensure continuous safe operation. Often, this work has to be carried out in remote locations, without access to power, meaning that it is not possible to use hydraulic or impact wrenches.

Gedore Torque tools provide precision torque control, making it easier and often safer to tighten and loosen threaded fasteners to the high standards critical to the performance and safety of civilian and military helicopters.

INDUSTRY SECTORS

Manufacturing



Automotive



Utilities



Aerospace



Military



Consumer Products

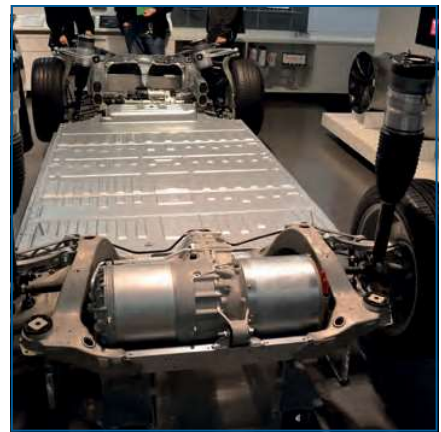


50V insulated preset torque wrenches for electrical assembly

Torque range from 0.4 to 25 N.m

Performing business critical work accurately, easily - and safely

Many businesses, organisations and industries depend upon emergency backup power systems to provide a continuous supply of electricity in the event of the loss of mainstream power supply. Often, this is provided by banks of batteries, that need to be checked, maintained and replaced on a regular basis – including while they are in operation and therefore electrically 'live'. Battery cells used to power all electric vehicles like the Tesla Model S or hybrids like BMW and Volkswagen all need to be maintained during their lifetime and most EV makers offer end-of-life vehicle recycling to ensure batteries and electrical parts are disposed of responsibly. Gedore Torque Insulated Torque Wrenches ensure that this essential work can be carried out accurately, easily and safely.



Absolute accuracy and consistency. Accurate process control is ensured by eliminating under and over tightening, due to the unique Breaking or Slipping Technology installed in the wrench

Ease of use. The small and compact design combined with the totally insulated body is ideal for use in restricted space where there are electrically live components

Improved production efficiency. Eliminates the possibility of product failure due to shorting, arcing or other electrical damage

User safety. Designed for use in low voltage and other battery applications where protection up to 50 volts is required. Double layer nonconductive PVC insulation provides protection against low voltage shorting

Additional features

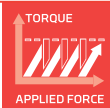
Accessories. **See pages 84-95**

These Wrenches are preset type torque tools. They must be set to the required torque value by using a Torque Analyser like the DREMOTEST E. **See page 78 for details**

Tool pre-set at point of order

Tool can be kept accurate and up to date with our Calibration service. **See page 98 for details**

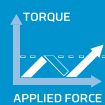
Slipping Mechanism
Incorrect tightening is impossible



TBN 10 50V



Breaking Mechanism
Incorrect tightening is unlikely



For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476
Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?

YouTube

Watch our video

Order Code	Model	Range		Drive	k mm	kg	Repeatability
		ISO	Imperial				
011108	TBN 2 50V	0.4-2 N.m	3.5-18 lbf.in	1/4"	105	0.17	+/- 6%
011208	TBN 10 50V	1-10 N.m	9-89 lbf.in	1/4"	105	0.17	+/- 6%
011062	TSN 25 D 50V	5-25 N.m	4-18 lbf.ft	1/2"	220	0.40	+/- 4%
011072	TSN 25 A 50V	5-25 N.m	4-18 lbf.ft	3/8"	220	0.40	+/- 4%

Switch Operated Signal Torque Wrenches

Torque range from 0.4 to 200 N.m

Switch Operated Signal Torque Wrenches are process control tools that provide absolute confidence that the correct level of torque has been applied. As well as the Slipping or Breaking Mechanism, that reduces or eliminates the risk of incorrect tightening, the tool also sends a signal each

time the wrench achieves its pre-set torque value. This makes these tools suitable for production line control or to provide a counting function, as they can be connected to the customers production systems.



TSN 25 A Sw

TBN 25 Sw

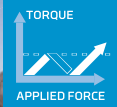
Slipping Mechanism

Incorrect tightening is impossible



Breaking Mechanism

Incorrect tightening is unlikely



INDUSTRY SECTORS

Manufacturing



Automotive



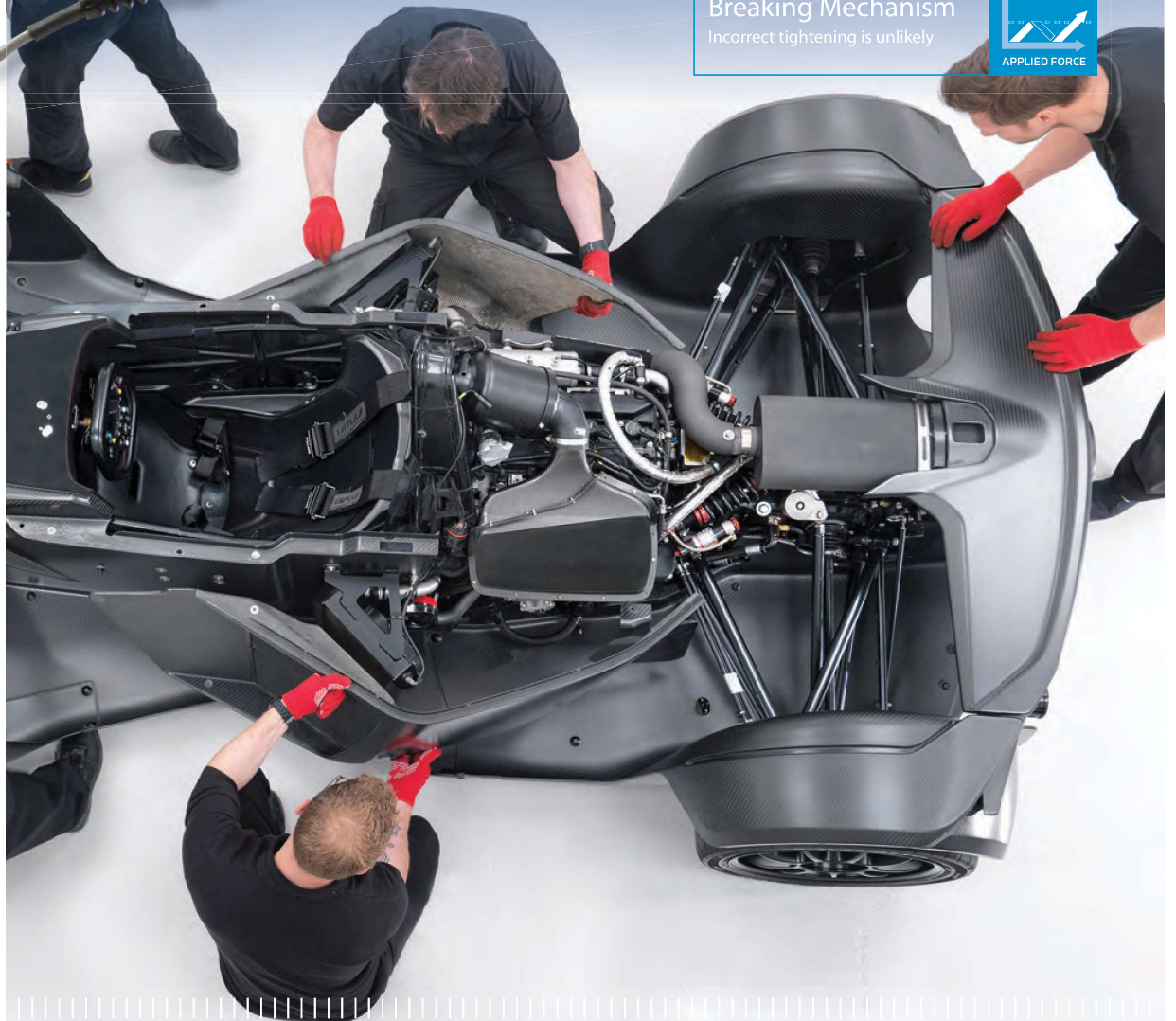
Consumer Products



Aerospace



Military



Switch Operated Signal Torque Wrenches

Ranges: TSP, TSN & TBN

Absolute accuracy and consistency.

Accurate process control is ensured by eliminating or reducing under and over tightening, due to the unique Slipping or Breaking Technology

Better production control. These wrenches confirm that the tightening process has been performed by validating that the torque wrenches have operated at a pre-set torque value. A signal is sent upon each successful activation of the wrench, that can be used to control production flow or count completed tightenings

Cost effective. These tools can easily be integrated into most Production Lines as the output signal is simply a switch opening and closing

Ease of use. Tools can be used with confidence by operators at any skill level, due to unique slipping or breaking mechanism

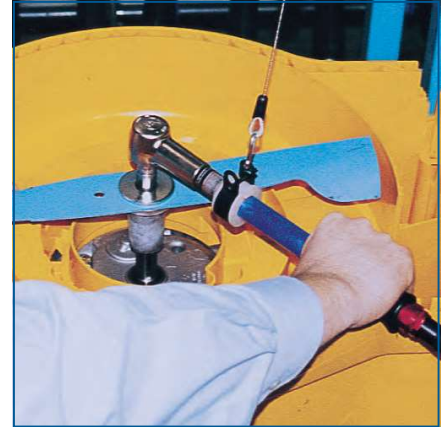
Additional features

A Signal Delay Unit (SDU) can be used to reduce the risk of missing wrench activations by extending the time of the signal output

Two types of cables are available - either a 5 metre, straight cable (Order Code: D94402) or a 1.5 metre coiled cable (Order Code: D94406)

Universal Switch Module (Order Code: B25900) is connected via cable to the Production Line Control System

For End Fittings, **see pages 84-86**



Universal Switch Module
Order Code: B25900



Signal Delay Unit (SDU)
Order Code: C12870

Order Code	Model	Range		Drive	k mm*	kg	Repeatability	ISO 6789 Class
		ISO	Imperial					
056093	TSP 5 Sw	1-5 N.m	10-45 lbf.in	$\frac{1}{4}$	335	0.53	+/- 6%	2C
056103	TSP 10 Sw	2-10 N.m	20-90 lbf.in	$\frac{1}{4}$	335	0.53	+/- 6%	2C
011003	TSN 25 D Sw	5-25 N.m	4-18 lbf.ft	$\frac{1}{4}$	366	0.68	+/- 4%	2C
011013	TSN 25 A Sw	5-25 N.m	4-18 lbf.ft	$\frac{3}{8}$	366	0.68	+/- 4%	2C
011033	TSN 55 Sw	15-55 N.m	10-40 lbf.ft	$\frac{3}{8}$	474	1.14	+/- 4%	2C
011053	TSN 125 Sw	40-125 N.m	30-90 lbf.ft	$\frac{1}{2}$	610	1.70	+/- 4%	2C
011103	TBN 2 Sw	0.4-2 N.m	3.5-18 lbf.in	Captive Pin	255	0.45	+/- 6%	2C
011113	TBN 2 G Sw	0.4-2 N.m	3.5-18 lbf.in	$\frac{9}{12}$	133	0.13	+/- 6%	2C
011203	TBN 10 Sw	1-10 N.m	9-89 lbf.in	Captive Pin	255	0.47	+/- 6%	2C
011213	TBN 10 G Sw	1-10 N.m	9-89 lbf.in	$\frac{9}{12}$	133	0.15	+/- 6%	2C
050003	TBN 25 Sw	5-25 N.m	4-18 lbf.ft	$\frac{1}{2}$	415	0.75	+/- 4%	2C
050013	TBN 25 G Sw	5-25 N.m	4-18 lbf.ft	$\frac{9}{12}$	415	0.75	+/- 4%	2C
050103	TBN 65 Sw	10-65 N.m	7-48 lbf.ft	$\frac{1}{2}$	452	1.09	+/- 4%	2C
050113	TBN 65 G Sw	10-65 N.m	7-48 lbf.ft	$\frac{9}{12}$	452	1.09	+/- 4%	2C
050203	TBN 135 Sw	27-135 N.m	18-100 lbf.ft	$\frac{1}{2}$	558	1.68	+/- 4%	2C
050213	TBN 135 G Sw	27-135 N.m	18-100 lbf.ft	$\frac{9}{12}$	558	1.68	+/- 4%	2C
050303	TBN 200 Sw	40-200 N.m	29-147 lbf.ft	$\frac{1}{2}$	670	1.74	+/- 4%	2C
050313	TBN 200 G Sw	40-200 N.m	29-147 lbf.ft	$\frac{14}{18}$	670	1.74	+/- 4%	2C

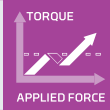
* Length of tool and switch not including cable

Torcofix Production Clicker Torque Wrenches

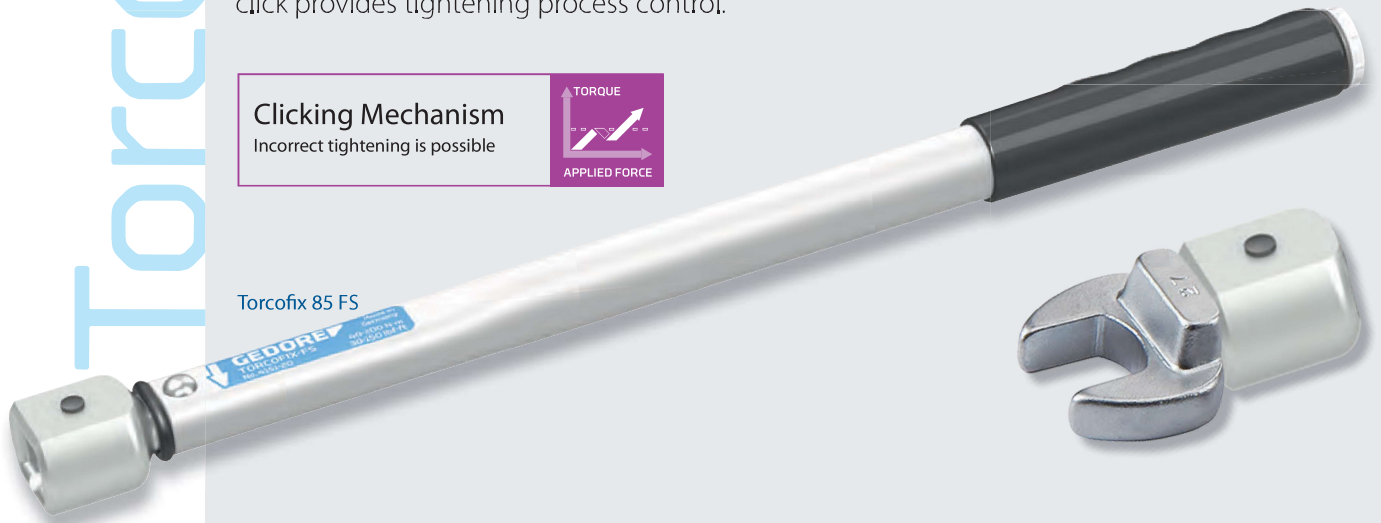
Torque range from 5 to 200 N.m

Versatile Production tools, with a range of interchangeable end fittings, designed for accurate and repeated torque application. An audible click provides tightening process control.

Clicking Mechanism
Incorrect tightening is possible



Torcofix 85 FS



INDUSTRY SECTORS

Maintenance & Repair



Automotive



Aerospace



Utilities



Consumer Products

Audible click providing accurate process control. The risk of under and over tightening is reduced, as a click can be heard and felt when the preset torque is reached

Preset torque. Enhanced tightening process control, as unauthorised adjustment of the level of torque is not possible. These tools must be set to the required torque value by using a Torque Analyser like the DREMOTEST E.
See page 78 for details

Long tool life. High quality, robust design and construction, further guaranteed by a two year warranty

Multiple industrial applications. The versatile design allows the use of a range of end fittings and ratchets

Order Code	Model	Range		Drive	k mm	kg	Accuracy	ISO 6789 Class
		Range	للسلسل					
7601960	Torcofix 25 FS	5-25 N.m	3.7-18 lbf.ft	9×12	180	0.21	+/- 4%	2C
7602180	Torcofix 50 FS	10-50 N.m	7.5-37.5 lbf.ft	9×12	240	0.27	+/- 4%	2C
7602850	Torcofix 85 FS	17-85 N.m	12.5-65 lbf.ft	9×12	320	0.34	+/- 4%	2C
7603580	Torcofix 200 FS	40-200 N.m	30-150 lbf.ft	14×18	400	0.75	+/- 4%	2C

New TSC Adjustable Slipping Torque Wrenches

Torque range from 1 to 10 N.m

Compact, versatile and lightweight tools which eliminate over-tightening in a wide range of industrial applications, including maintenance and repair. Calibrated scale allows for adjustment of torque. EPA compliant.



TSC 10



Slipping Mechanism
Incorrect tightening is impossible

Bearing Technology. The new bearings are extremely wear resistant, utilizing a self-lubricating polymer material, which offers a heightened level of performance, while at the same time reducing the weight to improve the user experience

Serviceability. The full tool is user serviceable but as it contains moving parts we recommend periodic servicing to ensure your tool works correctly and to maximum efficiency

Scale. The new TSC incorporates a micrometer style fine adjustment, with a positive locking system providing fast, easy and accurate setting

Grip. Glass filled Nylon 66, non-slip grip for durability with anti-static properties giving the tool EPA compliance, for use in Electrostatically Sensitive areas

INDUSTRY SECTORS

Maintenance & Repair



Aerospace



Electronics

Manufacturing



Automotive



Consumer Products

For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476
Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?



Watch our video

Order Code	Model	← Calibrated Range →		Drive	k	mm	g	Accuracy	ISO 6789 Class	
		Range	سسسس							
059020	TSC 5	1-5 N.m	0.05 N.m	1/4	195	235	+/- 6%	2A	✓	
059040	TSC 10	2-10 N.m	0.1 N.m	1/4	195	235	+/- 6%	2A	✓	
059060	TSC 45	10-45 lbf.in	0.5 lbf.in	1/4	195	235	+/- 6%	2A	✓	
059080	TSC 90	20-90 lbf.in	1.0 lbf.in	1/4	195	235	+/- 6%	2A	✓	

ATB

ATB Adjustable Breaking Torque Wrenches

Torque range from 0.5 to 10 N.m

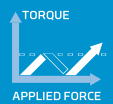
Compact and versatile tools engineered to reduce the risk of under and over tightening in Production, Service and Repair. Calibrated scale allows for pre-setting of torque. EPA compliant.

ATB 5



ATB 10 G

Breaking Mechanism
Incorrect tightening is unlikely



INDUSTRY SECTORS

Maintenance & Repair



Automotive



Aerospace



Military

Manufacturing



Automotive

ATB Adjustable Breaking Torque Wrenches

ATB 2.5, 5 & 10

Accuracy and consistency. Improved process control is ensured by reducing the risk of under and over tightening, due to the unique Breaking Technology

Calibrated scale. A visible micrometer style scale allows the user to adjust the tool quickly and easily to their desired torque setting, enabling a range of different torque settings to be applied

Ease of use. Can be used in restricted spaces through its compact design

Electronics. Ideal for safe electronic component assembly and servicing, as this tool is EPA compliant for use in Electrostatically Sensitive Areas

Long tool life. High quality, durable design and construction, minimises replacement and downtime costs

Process Control. Reduces the likelihood of warranty and rework by assuring process control through accurate and repeatable torque application

Production efficiency. Improved operator comfort and productivity, from the ergonomic design, which includes lightweight materials and moulded plastic handgrip

Versatility. Versatile tools ideal for Maintenance & Repair applications where a range of torques can be applied quickly and easily to a variety of fasteners and connectors



Additional features

N.m or lbf.in versions come with either an 8 mm spigot or a 9x12 rectangular fitting

Can be supplied as part of a Customised Kit

For details of accessories, **see pages 84-95**

Tool can be kept accurate and up to date with our Calibration service. **See page 98 for details**



For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476
Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?



Watch our video

Order Code	Model	ISO	Calibrated Range		Drive	k mm	kg	Accuracy	ISO 6789 Class		
				Imperial							
050520	ATB 2.5	50-250 cN.m	1.25 cN.m	-		190	0.24	+/- 6%	2A	✓	
050525	ATB 2.5	-	-	4.5-22.5 lbf.in	0.1 lbf.in		190	0.24	+/- 6%	2A	✓
050527	ATB 2.5 G	50-250 cN.m	1.25 cN.m	-		192	0.27	+/- 6%	2A	✓	
050532	ATB 2.5 G	-	-	4.5-22.5 lbf.in	0.1 lbf.in		192	0.27	+/- 6%	2A	✓
050500	ATB 5	1-5 N.m	0.025 N.m	-		220	0.29	+/- 6%	2A	✓	
050505	ATB 5	-	-	10-45 lbf.in	0.25 lbf.in		220	0.29	+/- 6%	2A	✓
050507	ATB 5 G	1-5 N.m	0.025 N.m	-		230	0.29	+/- 6%	2A	✓	
050512	ATB 5 G	-	-	10-45 lbf.in	0.25 lbf.in		230	0.29	+/- 6%	2A	✓
050550	ATB 10	2-10 N.m	0.05 N.m	-		220	0.30	+/- 6%	2A	✓	
050555	ATB 10	-	-	20-90 lbf.in	0.5 lbf.in		220	0.30	+/- 6%	2A	✓
050557	ATB 10 G	2-10 N.m	0.05 N.m	-		230	0.30	+/- 6%	2A	✓	
050562	ATB 10 G	-	-	20-90 lbf.in	0.5 lbf.in		230	0.30	+/- 6%	2A	✓

ATB

ATB Adjustable Breaking Torque Wrenches

Torque range from 5 to 100 N.m

High quality, versatile, tools that have been designed and engineered to reduce the risk of under and over tightening in Production,

Service and Repair. The Calibrated Scale allows for pre-setting of torque.



ATB 100

Breaking Mechanism
Incorrect tightening is unlikely



ATB 25 showing N.m Scale

INDUSTRY SECTORS

Maintenance & Repair



Automotive



Aerospace



Military

Manufacturing



Automotive



ATB Adjustable Breaking Torque Wrenches

ATB 25, 50 & 100

Accuracy and consistency. Improved process control is ensured by reducing the risk of under and over tightening, due to the unique Breaking Technology

Calibrated scale. A visible micrometer style scale allows the user to adjust the tool quickly and easily to their desired torque setting, enabling a range of different torque settings to be applied

Long tool life. High quality, durable design and construction, minimises replacement and downtime costs

Process Control. Reduces the likelihood of warranty and rework by assuring process control through accurate and repeatable torque application

Production efficiency. Improved operator comfort and productivity, from the ergonomic design, which includes lightweight materials and moulded plastic handgrip

Versatility. Versatile tools ideal for Maintenance & Repair applications where a range of torques can be applied quickly and easily to a variety of fasteners and connectors

Additional features

1/4", 3/8" or 1/2" interchangeable ratchet heads come as standard

Available in N.m, lbf.in or lbf.ft versions

For details of Wrench End Fittings & Sockets. **See pages 84-86**

Tool can be kept accurate and up to date with our Calibration service. **See page 98 for details**



For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476
Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?

YouTube

Watch our video

Order Code	Model	ISO	Calibrated Range			Drive	k mm	kg	Accuracy	ISO 6789 Class
			ISO	Imperial	Imperial					
050636	ATB 25 D	5-25 N.m	0.1 N.m	-	-	1/4"	345	1.11	+/- 4%	2A
050641	ATB 25 D	-	-	50-250 lbf.in	1 lbf.in	1/4"	345	1.11	+/- 4%	2A
050646	ATB 25 D	-	-	4-20 lbf.ft	0.1 lbf.ft	1/4"	345	1.11	+/- 4%	2A
050638	ATB 25 A	5-25 N.m	0.1 N.m	-	-	3/8"	345	1.12	+/- 4%	2A
050643	ATB 25 A	-	-	50-250 lbf.in	1 lbf.in	3/8"	345	1.12	+/- 4%	2A
050648	ATB 25 A	-	-	4-20 lbf.ft	0.1 lbf.ft	3/8"	345	1.12	+/- 4%	2A
050685	ATB 50	10-50 N.m	0.25 N.m	-	-	3/8"	365	1.14	+/- 4%	2A
050690	ATB 50	-	-	120-440 lbf.in	2 lbf.in	3/8"	365	1.14	+/- 4%	2A
050695	ATB 50	-	-	7-37 lbf.ft	0.125 lbf.ft	3/8"	365	1.14	+/- 4%	2A
050735	ATB 100	20-100 N.m	0.5 N.m	-	-	1/2"	400	1.30	+/- 4%	2A
050740	ATB 100	-	-	240-880 lbf.in	4 lbf.in	1/2"	400	1.30	+/- 4%	2A
050745	ATB 100	-	-	14-74 lbf.ft	0.25 lbf.ft	1/2"	400	1.30	+/- 4%	2A

Torcofix Adjustable Clicker Torque Wrenches

Torque range from 1 to 750 N.m

Adjustable general tools for Service and Repair. Ideal for covering a wide number of tasks as the operator can adjust them to deliver a broad range of torques. An audible click informs user that correct torque has been applied. Choice of sockets.



Torcofix 100 K

INDUSTRY SECTORS

Maintenance & Repair



Automotive



Aerospace



Utilities



Consumer Products

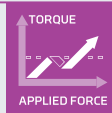
Audible click provides accuracy and control. The risk of under and over tightening is reduced, as a click can be heard and felt when the preset torque is reached

Choice of Drives. Interchangeable 1/4" and 3/8" Square Drive Push Through 1/2" Square Drive

Efficient to use. Minimises the time to complete the task as these wrenches are quick and easy to adjust due to the clear scale design and simple to use locking mechanism

Clicking Mechanism

Incorrect tightening is possible



Long tool life. High quality, robust design and construction, further guaranteed by a two year warranty

Socket choice. See page 87

Versatility. Versatile tools ideal for Maintenance & Repair applications where a range of torques can be applied quickly and easily to a variety of fasteners and connectors



Interchangeable 1/4" and 3/8" Square Drive



Push Through 1/2" Square Drive

Order Code	Drive
024000	1/4
024010	3/8
024020	1/2

Order Code	Model	Calibrated Range			Drive	k mm	kg	Accuracy	ISO6789 Class
		ISO	Imperial	Imperial					
2201429	Torcofix 5 K	1-5 N.m	0.25 N.m	0.75-3.7 lbf.ft	1/4	224	0.32	+/- 4%	2A
1545132	Torcofix 25 K	5-25 N.m	1 N.m	3.7-18 lbf.ft	1/4	285	0.45	+/- 4%	2A
1545140	Torcofix 50 K	10-50 N.m	2.5 N.m	7.5-37 lbf.ft	3/8	335	0.54	+/- 4%	2A
7601530	Torcofix 100 K	20-100 N.m	5 N.m	15-75 lbf.ft	1/2	394	0.90	+/- 4%	2A
7601610	Torcofix 200 K	40-200 N.m	10 N.m	30-150 lbf.ft	1/2	485	1.10	+/- 4%	2A
7601880	Torcofix 300 K	60-300 N.m	10 N.m	45-220 lbf.ft	1/2	577	1.40	+/- 4%	2A
7674330	Torcofix 400 K	80-400 N.m	10 N.m	60-300 lbf.ft	3/4	686	2.00	+/- 4%	2A
7674760	Torcofix 550 K	110-550 N.m	10 N.m	80-405 lbf.ft	3/4	957	3.80	+/- 4%	2A
1521365	Torcofix 750 K	150-750 N.m	10 N.m	110-550 lbf.ft	3/4	1236	4.80	+/- 4%	2A

Torcofix Adjustable Clicker Torque Wrenches

Torque range from 5 to 400 N.m

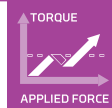
Adjustable general tools for Service and Repair. Ideal for covering a wide number of tasks as the operator can adjust them to deliver a broad range of torques.

An audible click informs user that correct torque has been applied. Multiple applications via range of end fittings and ratchets.



Torcofix 100 Z

Clicking Mechanism
Incorrect tightening is possible



INDUSTRY SECTORS

Maintenance & Repair



Automotive



Aerospace



Utilities



Consumer Products

Audible click provides accuracy and control. The risk of under and over tightening is reduced, as a click can be heard and felt when the preset torque is reached

Efficient to use. Minimises the time to complete the task as these wrenches are quick and easy to adjust due to the clear scale design and simple to use locking mechanism

Long tool life. High quality, robust design and construction, further guaranteed by a two year warranty

End Fittings. The design allows the use of a range of 16mm spigot, 9x12 end fittings and ratchets for multiple industrial applications.
See pages 84-86

Versatility. Versatile tools ideal for Maintenance & Repair applications where a range of torques can be applied quickly and easily to a variety of fasteners and connectors

For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476
Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?



Watch our video

Order Code	Model	← Calibrated Range →			Drive	k mm	kg	Accuracy	ISO 6789 Class
		ISO	SI	Imperial					
1646168	Torcofix 25 Z	5-25 N.m	1 N.m	3.7-18 lbf.ft	16	280	0.50	+/- 4%	2A
1646176	Torcofix 50 Z	10-50 N.m	2.5 N.m	7.5-37 lbf.ft	16	330	0.60	+/- 4%	2A
7097270	Torcofix 100 Z	20-100 N.m	5 N.m	15-75 lbf.ft	16	375	0.60	+/- 4%	2A
7097350	Torcofix 200 Z	40-200 N.m	10 N.m	30-150 lbf.ft	16	465	0.80	+/- 4%	2A
7097430	Torcofix 300 Z	60-300 N.m	10 N.m	45-220 lbf.ft	16	565	1.20	+/- 4%	2A
7094090	Torcofix 400 Z	80-400 N.m	10 N.m	60-300 lbf.ft	16	650	1.50	+/- 4%	2A
1646192	Torcofix 25 SE	5-25 N.m	1 N.m	3.7-18 lbf.ft	9x12	280	0.50	+/- 4%	2A
1646206	Torcofix 50 SE	10-50 N.m	2.5 N.m	7.5-37 lbf.ft	9x12	330	0.60	+/- 4%	2A
7600210	Torcofix 100 SE	20-100 N.m	5 N.m	15-75 lbf.ft	9x12	375	0.60	+/- 4%	2A
7600990	Torcofix 200 SE	40-200 N.m	10 N.m	30-150 lbf.ft	14x18	465	0.80	+/- 4%	2A
7601020	Torcofix 300 SE	60-300 N.m	10 N.m	45-220 lbf.ft	14x18	565	1.20	+/- 4%	2A
7604120	Torcofix 400 SE	80-400 N.m	10 N.m	60-300 lbf.ft	14x18	650	1.50	+/- 4%	2A

Industrial Adjustable Breaking Torque Wrenches

Torque range from 150 to 1000 N.m

The new Gedore Torque range of industrial torque wrenches has been designed and precision-engineered to meet the needs of the most demanding industries and the toughest working conditions. This includes the automotive, bus and truck, chemical, energy and nuclear industries, as well as major construction and engineering projects.

All these industries require absolute accuracy and precision, supported by robust construction that will survive the toughest working conditions. Our industrial torque wrenches can be used for applications from assembly and manufacture to maintenance, repair and service.

Absolute accuracy, adjustable torque

These robust tools reduce the chance of over and under tightening, because of the unique Breaking Mechanism: hence their description as 'Breaking Torque Wrenches'. When the preset torque value is reached, these tools break at a specific point along their length. This gives a clear signal – which can be both seen and felt – to the operator that the correct level of torque has been applied and allows time for appropriate operator reaction.

Adjustability is provided by calibrated scales that allow the user to adjust the tool to their desired torque setting, enabling a range of different torque settings to be applied. This makes them suitable for a number of applications, or for applications that require more than one torque value.

At any setting, these tools are guaranteed to deliver the correct torque every time, with absolute and repeatable accuracy. Accurate results to +/- 4 can be expected, in even the toughest working conditions.



BIW Industrial Breaking Torque Wrenches

BIW 700, 800, 1000

Accuracy, consistency and control.

These tools will function to the most stringent and exacting requirements, even in the toughest conditions, because of their robust construction. Accurate process control is ensured by reducing the risk of under and over tightening, due to unique Breaking Technology

Calibrated scale. A visible micrometer style scale allows the user to adjust the tool quickly and easily to their desired torque setting, enabling a range of different torque settings to be applied. Dual scaled N.m and lbf.ft

Durable. High quality, durable and robust design, construction and materials ensure absolute accuracy, continuity of use and a long tool life in the toughest conditions, hence minimising tool replacement and downtime costs. All-steel construction and corrosion-resistant finish

Ease of use. Tools can be used with confidence by operators at any skill level, due to the unique Breaking Technology

Process Control. Reduces the likelihood of warranty and rework by assuring process control through accurate and repeatable torque application

Tested. These tools are tested to the requirements of ISO 6789 and are supplied with a calibration certificate and storage case

Versatile. A range of different torque settings can be applied, making these tools suitable for a number of applications



Industrial Wrench

For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476
Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?
YouTube
Watch our video

Order Code	Model	Range		k mm LxWxH	Output Drive	Repeatability	ISO 6789 Class
		N.m	Ft.lb				
3022854	BIW 700	150-700 N.m	100-500 Ft.lb	1250 x 100 x 60	3/4"	+/- 4%	2F
3022862	BIW 800	200-800 N.m	150-600 Ft.lb	1250 x 100 x 60	3/4"	+/- 4%	2F
3022870	BIW 1000	300-1000 N.m	200-750 Ft.lb	1470 x 100 x 60	3/4"	+/- 4%	2F

Weld Stud Test Tools

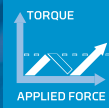
Torque range from 0.4 to 20 N.m

Weld Stud Test Tools are used during the production of sheet metal products. They are designed for a quick and easy controlled test of the strength and integrity

of welds holding threaded welding studs onto sheet metal. They are most often used for Quality Control in the automotive and appliance industries.

Breaking Mechanism

Incorrect tightening is unlikely



INDUSTRY SECTORS

Quality Control



Automotive



Aerospace



Electronics



Consumer Products

Weld Stud Test Tools

WSTT 2, 10 & 20

Audit. These versatile Quality Audit tools enable Quick Go/No Go tests for weld stud integrity to be carried out quickly and efficiently on a wide range of weld studs from M2.5 to M12

Accuracy. The risk of damage to the fastener is greatly reduced, due to the unique breaking technology

Easy and effective to use. Intuitive & bi-directional "T" shaped handle for easy operation

End Fittings. A range of interchangeable end fittings are available. End fittings are available for use with most popular weld stud thread sizes and lengths

Long tool life. High quality, robust design and construction, further guaranteed by a two year warranty

Versatility. A range of compatible interchangeable End Fittings are available, for use with most popular weld stud thread sizes and lengths. **See pages 84-86 for details**

Additional features

All WSTT Tools are supplied with a Calibration Certificate when ordered with an attached end fitting

These Wrenches are preset type torque tools. There is no external adjustment scale and they must be set to the required torque value by using a Torque Analyser. **See page 73 & 77 for details**

Calibration Adaptor (Order Code A25880) is compatible with all WSTT models



Typical Maximum Torque Test Values (Capacitor discharge method)

Threaded Stud	Steel 4.8 Weldable	Stainless Steel 1.403/03 (A2-50)	Aluminium Alloy AlMg3 F23	Copper CuZn37 (Ms63)
M3	1.2 N.m	0.75 N.m	0.6 N.m	0.9 N.m
M4	2.7 N.m	1.4 N.m	1.3 N.m	1.9 N.m
M5	5.4 N.m	3.5 N.m	2.9 N.m	4.0 N.m
M6	9.2 N.m	5.7 N.m	4.6 N.m	6.75 N.m
M8	12.0 N.m	14.0 N.m	11.25 N.m	16.5 N.m
M10	18.0 N.m	20.0 N.m	-	-

NOTE: These torque values are for guidance only. The torque for each application should be calculated and proven by practical test.

Order Code	Model	Calibrated Range		k mm	g
		ISO	Imperial		
055005	WSTT 2	0.4-2 N.m	3.5-18 lbf.in	120	215
055000	WSTT 10	1-10 N.m	9-90 lbf.in	120	215
055010	WSTT 20	4-20 N.m	35-180 lbf.in	220	320

Metric or Imperial range of End Fittings available

Metric			
Order Code	Weld Stud Thread x Maximum Length	Order Code	Weld Stud Thread x Maximum Length
055020	M2.5 x 25	055050	M5 x 50
055025	M3 x 50	055055	M6 x 50
055030	M4 x 50	055060	M8 x 50
055035	M5 x 50	055065	M10 x 75
055040	M6 x 50	055070	M12 x 75
055045	M8 x 50	-	-

Metric			
Order Code	Weld Stud Thread x Maximum Length	Order Code	Weld Stud Thread x Maximum Length
055075	4-40 x 1.5"	055105	10-32 x 2.5"
055080	6-32 x 2"	055110	10-24 x 2.5"
055085	8-32 x 2"	055115	¼-20 x 4"
055090	10-32 x 2.5"	055120	⅝-18 x 4"
055095	10-24 x 2.5"	055125	⅜-16 x 4"
055100	¼-20 x 4"	-	-

RTU

RTU Dynamic Torque Limiters

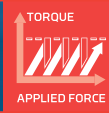
Torque range from 0.1 to 14 N.m

RTU Dynamic Torque Limiters allow conventional Hand and Power tools to be easily converted into versatile pre-set Torque Tools, giving reliable torque limited fastening to joints. Rotary Torque Units (RTUs) provide a wide range of potential

applications where conventional torque screwdrivers or wrenches might not be appropriate. They are particularly well-suited for maintenance and repair use in manufacturing industries, as they guarantee absolute accuracy and repeatability.

Slipping Mechanism

Incorrect tightening is impossible



INDUSTRY SECTORS

Maintenance & Repair



Utilities

Manufacturing



Packaging



Automotive



Electronics

RTU Dynamic Torque Limiters

Accuracy. Accurate process control is ensured by eliminating under and over tightening, due to the unique proven Gedore Torque Slipping Technology. Absolute accuracy is delivered time after time

Ease of use. Simply install the RTU to the end of a traditional power tool or hand tool, converting it to a torque tool

Flexibility. A range of heavy duty torque limiters creates tools that are suitable for just about any occasion – and can be moved if required

Power, where you need it. Powered assembly applications can be performed accurately and quickly, including the tightening of bottles, caps and lids

Versatility. New higher range RTU gives users the ability to tighten torque up to 14 N.m

Wide range of applications. Can be used where conventional torque screwdrivers or wrenches might not be appropriate

Additional features

Custom designs and higher torque settings are available



RTU 14

RTU 1

For more information: Tool Selector; gedore-torque.com/tool-selector Telephone; +44 (0) 1483 894 476
Videos; www.youtube.com/gedore-torque Email; salesandrepairs@gedore-torque.com

Want to know how to use this tool?



Watch our video

Order Code	Model	Range		Speed	Input Drive	Output Drive	Repeatability	ISO 6789 Class
		N.m	lbf.in					
019100	RTU 1	0.1-1 N.m	lbf.in 0.9-8.8	0-500RPM	$\frac{3}{8}$ $\frac{1}{4}$	$\frac{1}{4}$ $\frac{1}{4}$	+/- 6%	2F
019200	RTU 4	0.6-4.5 N.m	lbf.in 5.5-39.8	0-500RPM	$\frac{3}{8}$ $\frac{1}{4}$	$\frac{1}{4}$ $\frac{1}{4}$	+/- 6%	2F
019400	RTU 14	2-14 N.m	lbf.in 18-123.8	0-250RPM	$\frac{3}{8}$ $\frac{1}{4}$	$\frac{1}{4}$ $\frac{1}{4}$	+/- 6%	2F