

GEDORE
TOOLS FOR LIFE

KEYSTONE
ASSEMBLY SOLUTIONS, LLC



TORQUE SOLUTIONS

0.04 — 54,000 Nm

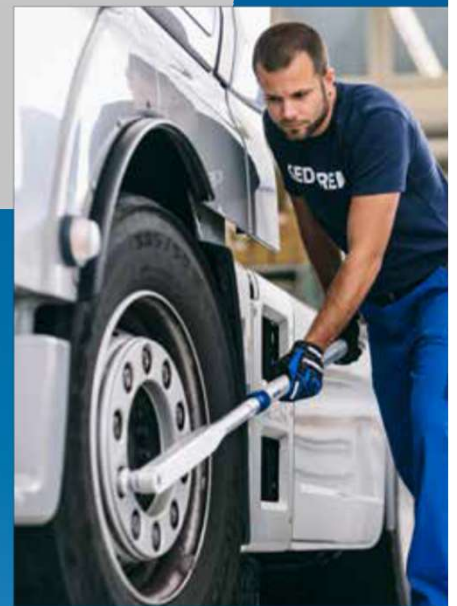
COMPETENCE FROM A SINGLE SOURCE

www.keystoneassembly.com/gedore

SAFETY AND PRECISION FOR YOUR BOLTING TASK

Whether in industry, trade, or workshop, the requirements that apply when connecting components are increasingly complex. Factors such as materials, environmental influences, application, traceability, and process reliability influence these requirements, and with that, the choice of the optimum tool.

Simple, standardized, and complex screwdriving tasks all require precise torque solutions that generate a safe preload force or detach connections non-destructively, yet are gentle to the materials and cost-efficient. Intuitively operable and reliable torque tools that determine the tightening torque with absolute precision and meet both functional requirements and legal or individual requirements from industry are essential.



GEDORE OFFERS SAFETY AND PRECISION FOR FASTENING APPLICATIONS FROM 0.04 TO 54,000 NM

With high-precision torque tools and customer-specific services, we are the experts for the entire range of requirements in the field of digital and analogue torque solutions. For over 100 years, we have been developing, designing, and manufacturing premium hand tools and testing equipment that make your fastening tasks safe, precisely controllable, reproducible, and documentable – and that for any industry. GEDORE is the reliable brand from controlled tightening, the documentation of screw connections, high-precision testing equipment, complex measuring and analysis tools to individual advice and qualified service.





TORQUE APPLICATION CENTER

The GEDORE Application Center Torque was established in 2021 so we could fulfil individual customer requirements even faster and more efficiently. This is the foundation of focus on the growing and increasingly complex demands of torque tightening applications. Users and sales partners benefit from even shorter development cycles and an extremely high degree of innovation.

SAFETY WITHOUT COMPROMISE

With torque tools from 0.04 – 54,000 Nm, GEDORE offers the widest range on the market and serves many industries with individual and safe torque solutions from a single source.

The GEDORE factory standard meets and often exceeds the required specifications and ensures exact measuring and release at all times.

A GRIP ON COSTS

In a production environment, it is a good idea to check the required screw dimension very carefully. The analysis provides an indicator when determining the correct size. Our digital torque solutions allow you to analyse your fastening task with absolute precision. This often leads to the optimisation of the production process and budget savings. Depending on the type and number of screw connections, for instance, opting for a smaller screw dimension may help to significantly reduce costs. GEDORE will be by your side throughout the entire process.

CERTIFIED SAFETY

Whether to DIN EN ISO 6789-2:2017 or your factory specifications, GEDORE can test and certify your measuring and testing equipment to DIN, DAkkS, or your specific requirements. Regular checks ensure constant traceability and process reliability.





SUSTAINABLE FROM THE OUTSET: TOOLS FOR LIFE

For over 100 years, GEDORE tools have been developed to achieve extremely long service lives. With many GEDORE torque tools used in production environments around the world for extended periods of time, the GEDORE brand is known to represent the highest quality and safety standards in torque fastening technology.

Our commitment is to deliver a sustainable product life cycle and the safe use of our tools, saving resources and the environment. This is carried through every process: product development, production, marketing solutions, calibration services, and the repair and maintenance of older models.

INTEGRATION IN PRODUCTION PROCESSES

Our qualified torque experts are available to offer support on all torque fastening applications.

From selecting the correct tool for the process to the processing measurement of data and more, GEDORE can support with the right solution from 0.04 to 54,000 Nm.

TORQUE TECHNOLOGY OF THE FUTURE

GEDORE has been setting standards in the documentation and analysis of measurement data ever since the introduction of digital and electronic torque solutions. The instinctive handling and high-performance software for integration in our customers' processes has always been paramount.

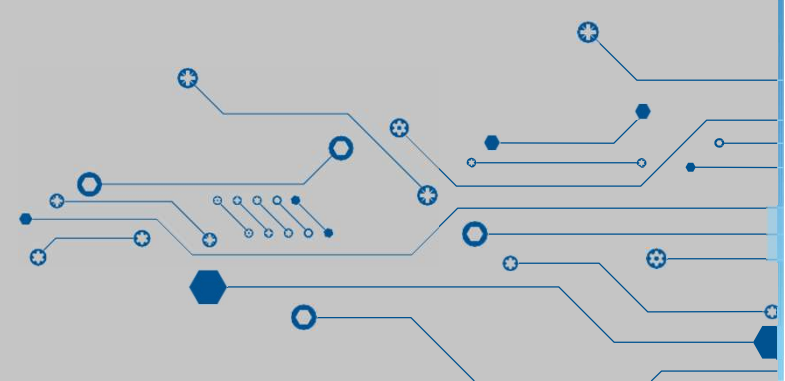
GEDORE continues to work with customers to develop torque solutions and services that meet the constantly growing requirement for digitalisation and the associated individual requirements.

From digital worker guidance and data transfer to intelligent cloud-based torque integration. Join us on the road to the future.

SAFETY FROM KNOWLEDGE

From basic knowledge to complex applications, our certified torque experts will train you to meet your specific requirements anywhere in the world.

With sustainable training concepts and practical operating examples, the complexity of torque technology is conveyed to you in a comprehensible and effective way. We'll make you an expert!





SMALL

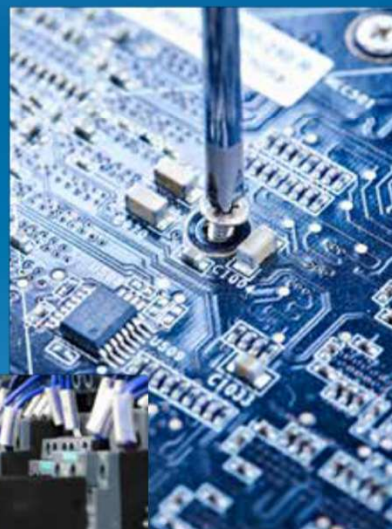
*torque solutions**

*There is no general definition of the categories small, medium and high torque. The figures given here are for guidance only.



Assembling electronic components, medical equipment, or working in a clean-room laboratory

Tightening connections on sensitive components often requires very low but high-precision preload load forces that ensure a safe, material-friendly connection. GEDORE offers highly sensitive, screw-driving and bolt-tightening tools from 0.04 – 100 Nm for defined repeatable applications.



COMPETENCE FACT

TSN slipper release: Slipper technology prevents the risk of the torque being exceeded. Ideal for safe series production.



MEDIUM

torque solutions*

*There is no general definition of the categories small, medium and high torque. The figures given here are for guidance only.



Always the right torque wrench solution – from the classic torque wrench to the length-independent aluminium Dremometer

GEDORE offers a complete range of manual tools and services in the field of torque wrenches, for applications from 10 – 3,000 Nm. From standardised applications in metal construction and reproducible screw connections in series production to individual customer solutions, in us you have a reliable partner for safe and reproducible screw connections.



COMPETENCE FACT

GEDORE offers the only length-independent torque wrench on the market: the aluminium Dremometer.

90 -
54,000

Nm

HIGH

torque solutions*

*There is no general definition of the categories small, medium and high torque. The figures given here are for guidance only.



High tightening forces, such as those used in steel construction or supply technology, require a high torque combined with safe, reliable, and joint-friendly actuation

GEDORE develops and manufactures torque tools and high-torque wrenches from 90 – 54,000 Nm. Whether seized-up connections or special workplace conditions, we have the right torque solution for the precise and safe tightening and loosening of screw connections. We also offer safe, weight-optimised gate valve wrenches for the special requirements in the field of gate valve technology.



COMPETENCE FACT

GEDORE gate valve wrenches use planetary gear technology that produces a smooth, gentle drive, preventing jerky over-tightening problems when switching the tool on and off.



POWER TOOLS

	Nm		Areas of application	Display	Drive	Special features
GDA	60 250		Universal	Analogue	Battery	
GDA Solution	70 300		Universal	Digital	Battery	Documentation
LDE-S/LEW-S	770 900		Gate valve opening	Digital	Electric	
LDA-S Solution/LAW-S Solution	500 1,200		Gate valve opening	Digital	Battery	Documentation
LDA-S/LAW-S	500 1,200		Gate valve opening	Analogue	Battery	
LES	1,600 4,800		Universal	Digital	Electric	
LPS	3,000 4,800		Universal	Analogue	Pneumatic	
LDA/LAW	90 6,000		Universal	Analogue	Battery	
LDA Solution/LAW Solution	90 6,000		Universal	Digital	Battery	Rotation angle, documentation
LHD	800 7,500		Universal	Digital	Electric	Rotation angle, documentation
LPK/LPK-X	80 12,800		Universal	Analogue	Pneumatic	
LDE/LEW	90 13,000		Universal	Digital	Electric	Rotation angle, documentation
LDK	160 24,000		Universal		Hydraulic	
LDH	60 27,000		Universal		Hydraulic	
LHU Hydraulic Powerpacks M, A, S			Universal	Analogue (M, A) Digital (S)	Hydraulic	Documentation (S)
Counter wrenches			Universal			



MULTIPLIERS

	Nm		Area of application	Angled support (low reaction)	Straight support (low reaction)	Anti-wind-up ratchet	Certificate of inspection
DVI-20Z (L) – DVI-28Z (L)	100 2,800		Universal	Optionally integrated	Optionally integrated		●
DW-13Z (G) – DW-40Z	50 4,000		Universal	Standard	Alternative		●
DW-40ZRS	500 4,000		Universal	Standard	Alternative	●	●
DW-60RS – DW-80RS	650 8,000		Universal	Standard	Alternative	●	●
DW-100RS – DW-130RS	1,000 13,000		Universal	Standard		●	●
DW-540RS	5,000 54,000		Universal	Standard		●	



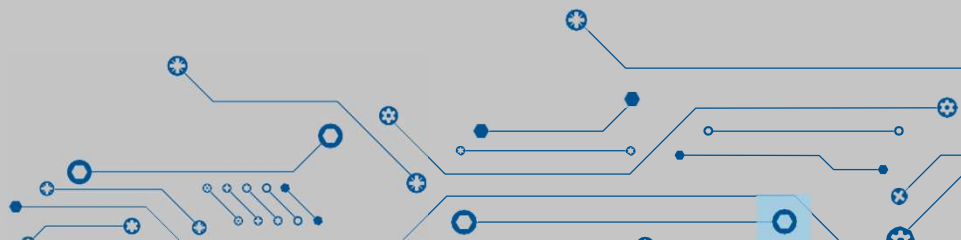
TORQUE SCREWDRIVERS & TORQUE WRENCHES

	Nm	Unit	Area of application	Type	Display	Special features
PRIME, PRO, TLS, QSN, QS, TT	0.04 13.5	cNm / Nm	Serial assembly, quality assurance	Triggering /indicating	Analogue	EPA (Electronic Protected Area)
VDE 1,000 V	5 50	Nm	Universal	Triggering		VDE / 1,000 volt
TSN, TSC	1 125	Nm / lbf.in	Serial assembly	Triggering		Slipping function
TT3KH	10 350	Nm / lbf.in	Universal	Displaying	Digital	Torque / angle of rotation, documentation
TF-K, TF-SE, TF-Z	1 850	Nm / lbf.ft	Universal	Triggering		
DMK, DMUK, DMZ, DMSE	20 850	Nm / lbf.ft	Universal	Triggering		
ETQ, ETQR	0.25 1,000	Nm / lbf.in	Quality assurance, analysis	Displaying	Digital	All common measurement and analysis methods
TBN, type 88	0.4 1,000	Nm / lbf.in	Serial assembly	Triggering		Articulated torque wrench
ET2SKA, ET2ZA	2 1,000	Nm / lbf.in	Universal plus quality assurance & analysis	Displaying	Digital	All common measurement and analysis methods
Type 83	0.8 2,000	Nm / lbf.in / lbf.ft	Quality assurance, analysis	Displaying	Analogue	Slave pointer function
DR Mini, single and double square, Z, SE, A+S, T-FS	2.5 3,000	Nm / lbf.in / lbf.ft	Universal, serial assembly	Triggering		Length independent (all square models)



TORQUE TESTERS

	Nm	Unit	Area of application	Application	Measuring modes	Documentation
CAPTURE LITE	0.02 350	Nm / lbf.in / lbf.ft	Plausibility and interim checks	Torque wrenches, torque screwdrivers	Track, peak 1, peak 2	●
CAPTURE HUB	0.1 1,500	cNm / Nm / ozf.in / lbf.in / lbf.ft	Plausibility and interim checks, certificate check	Torque wrenches, torque screwdrivers; electric, shut-off and impulse wrenches	Track, peak 1, peak 2	●
DREMOTEST-E	0.2 3,150	Nm / lbf.in / lbf.ft	Plausibility and interim checks	Torque wrenches	Peak 1	●
E-TP (Electronic Torsion Torque Tester)	0.5 3,150	cNm / Nm / lbf.in / lbf.ft	Plausibility and interim checks, certificate check	Torque wrenches, torque screwdrivers	Track, peak 1, peak 2	●



A STRONG CONNECTION— FAR BEYOND TORQUE FASTENING

Need the extra mile? A strong and reliable partner? Safety and a long service life often go far beyond the purchase of the torque tool. To ensure the precision and reliability of your torque tools at all times and the permanent comparability of measured values, we offer you a comprehensive range of testing equipment as well as calibration and maintenance services directly from the manufacturer.

At GEDORE, we test and certify your products to DIN EN ISO 6789-2:2017, DAkkS, UKAS (BS7882) or your requirements, which minimises risks and ensures calculable costs.

Our experts will also be by your side with sustainable training concepts that go far beyond the product to make your torque fastening applications, from 0.04 – 54,000 Nm, safe at all times.

Testing and calibration for torque and angle of rotation directly from the manufacturer

- Calibration, adjustment and repair
- GEDORE factory or DAkkS calibration
- GEDORE's own accredited DAkkS laboratory
- UKAS calibration
- Traceable safety

Individual advice and training

- Global sales and consulting expertise
- Screw joint analysis and process optimisation
- Integration in quality assurance systems
- Experts trained by the "Deutscher Schraubenverband" (DSV – the German Fasteners Association)
- Tailored courses and training



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Advanced Assembly, Critical Torque
& Ergonomic Handling Systems

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