



The new Torque Multiplier

More features, more innovation, more torque

New for 2017, the Torque Multiplier product range continues our proud 80 year tradition of engineering excellence and customer focus. Building on the success of the Torque Multipliers produced by the Gedore Group for the past 40 years, the new products set new standards for what can be expected from torque tools.

At Gedore, we are committed to design and manufacturing innovation. That's why we believe that the new Torque Multiplier range is a worthy addition to the world's most advanced range of torque tools.

Helping your business to achieve more

A Torque Multiplier enables a single torque wrench to achieve a wider range of torque output, accurately and consistently. As a result, every torque wrench has the potential to be more versatile and more productive.

For users, this has a whole host of benefits. A single tool can now be used for a wider range of applications, fewer tools need to be carried around, smaller torque tools can be used in confined spaces and lighter tools can be used in difficult working conditions.

For your business, this all adds up to reduced inventory costs and increased speed and productivity.



Design and manufacturing innovation

Lighter housing and gear unit. The housing is 30% lighter than other torque multipliers, but is just as robust and durable. The new ceramic-Teflon® coating enables minimum device lubrication which means that, unlike conventionally lubricated torque multipliers, there is no decrease in performance when outside temperatures are colder.

Non-destructive overload protection. 40-550RS models are equipped with a patented non-destructive overload safety mechanism. The basis of this extra feature is a highly-dynamic, pre-tensioned slip-coupling which triggers with a clearly audible acoustic noise as soon as the maximum permissible input torque is exceeded.

Certified safety. Every torque multiplier is supplied with a calibration certificate. This guarantees absolute accuracy and enables bolting operations to be implemented at a high level of torque precision.

Improved reaction arm delivers improved performance

All our torque multipliers are fitted with a reaction arm made of light chrome vanadium steel alloy, which is fitted with an adjustable locking knob with a moveable square end. The purpose of this is to improve performance by absorbing the stress built up in the gear while the bolt is tightened. Without this feature, the tilting movement caused by reaction to use of the multiplier would reduce the maximum permitted torque by 20%. The reaction arm uses a new shape and materials, making it more stable and durable than other torque multipliers. It is equipped with a patented hold function that prevents the gear teeth from slipping.



Multiplier

The Torque Multiplier

LKV Series, 500 - 54,000 N.m

The new Gedore Torque LKV series of Torque Multipliers enables your existing torque wrenches to deliver a much wider range of torque output, accurately and consistently. With an LKV Torque Multiplier, a single torque tool can be used for a greater number of applications. For the user, this means greater flexibility, fewer tools to carry around, and enhanced capabilities

from smaller and lighter tools, for confined or difficult working conditions. For your business, this means increased efficiency and reduced inventory costs.

The LKV series of Torque Multipliers sets new standards for design, innovation and quality. These add up to industry-leading performance, reliability and flexibility.

Series LKV-40 550RS



INDUSTRY SECTORS



Aerospace



Military



Utilities



Automotive



Oil & Gas



Torque Multiplier LKV-40 to 550RS

Accuracy and consistency. Built to a high standard of precision, to ensure that your torque tools operate to their full capabilities

Calibration certificate. Supplied with individual Gedore calibration certificate, guaranteeing accuracy and performance

Ease of use. Can be used with confidence by operators at any skill level. Easy and quick to assemble. Clear output calculations. Low operator input results in higher output

Flexibility and versatility. Existing tools can be used for additional applications, meaning enhanced capabilities, reduced inventory costs and increased productivity. Lighter or smaller tools can be used when working in confined spaces and difficult working conditions

Improved reaction arm. Drop-forged reaction arm with lock on function, made of light chrome vanadium steel alloy for increased durability, stability and performance



Lightweight. Lean, high-performance aluminium housing is 30% lighter than standard steel housing. This improves operator comfort and ease of use

Overload safety. An integrated overload safety mechanism protects the gear unit, by ensuring that the square drive has a pre-determined breaking point. The square shears if overloaded and is easily replaced

Production efficiency. Increased speed and productivity are achieved by the use of existing torque wrenches. Decreased bolting time prevents tightening failure and associated costs. A high level of torque is achieved from a low level of input

Return safety. Integrated return safety for CW/CCW rotation and safe operation

Temperature-resistant. Planet gear unit with ceramic-Teflon®-coated tooth flanks enables minimum device lubrication, meaning that there is no decrease in performance when outside temperatures are colder. This also means that the tool can be stored in a vehicle in a stable transport case



Order Code	Model	N.m max	lbft max	N.m min/max	lbft min/max	Ratio	Q	Drive	∅ D mm	H mm	kg
2653087	LKV-40	300	220	500-4000	400-2930	1:16	1/2	T	88	212.8	3.9
2653109	LKV-40RS	310	230	500-4000	400-2930	1:16	1/2	T	88	226.9	4.2
2653117	LKV-60RS	400	300	650-6000	500-4400	1:18	3/4	1 1/2	102	256.2	6.6
2653125	LKV-80RS	420	310	800-8000	600-5870	1:22	1	1 1/2	128	276.5	9.1
2653133	LKV-100RS	410	305	1000-10000	700-7330	1:28.5	1 1/4	1 1/2	142	291.5	10.9
2653141	LKV-120RS	380	280	1320-13000	1000-9530	1:39	1 1/2	1 1/2	174.5	306	17.0
2653168	LKV-550RS	380	280	5500-54000	4000-40330	1:17.5	1 1/2	2 1/2	270	414.5	64.6



Multiplier

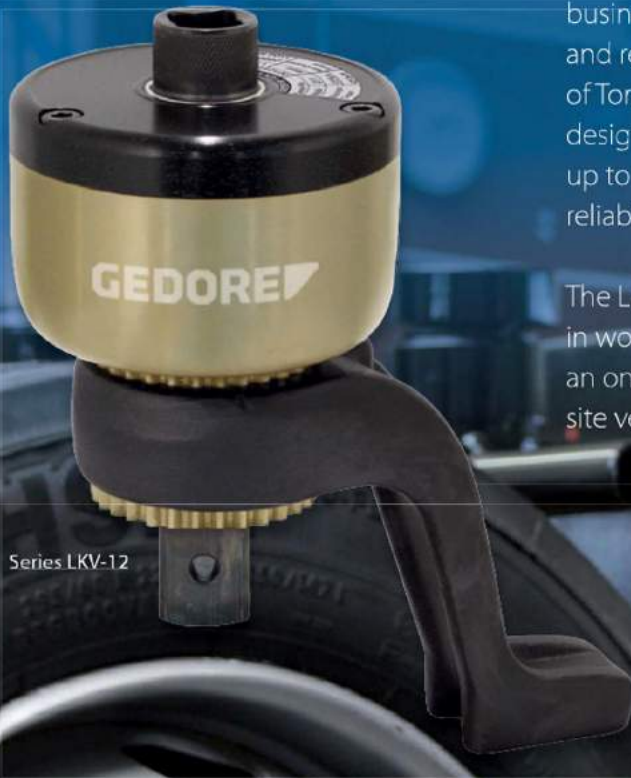
The Torque Multiplier

LKV Series 12, 50 - 1,300 N.m

The new Gedore LKV12 series is the smallest Torque Multiplier in our range and can fit into a pocket. Despite its size, this lightweight and rugged tool enables existing torque wrenches to deliver a wider range of torque output, accurately and consistently.

With an LKV12 Torque Multiplier, a single torque tool can be used for a greater number of applications. For the user, this means greater flexibility, fewer tools to carry around and enhanced capabilities from smaller and lighter tools, for confined or difficult working conditions. For your business, this means increased efficiency and reduced inventory costs. The LKV series of Torque Multipliers sets new standards for design, innovation and quality. These add up to industry-leading performance, reliability and flexibility

The LKV12 is particularly suited for use in workshops, for maintenance and as an on-board tool in utility or construction site vehicles.



INDUSTRY SECTORS



Aerospace



Military



Utilities



Automotive



Oil & Gas



Accuracy and consistency. Built to a high standard of precision, to ensure that your torque tools operate to their full capabilities

Calibration certificate. Supplied with individual Gedore calibration certificate, guaranteeing accuracy and performance

Ease of use. Small, lightweight and portable. Can be used with confidence by operators at any skill level. Easy and quick to assemble. Clear output calculations. Low operator input results in higher output

Flexibility and versatility. Existing tools can be used for additional applications, meaning enhanced capabilities, reduced inventory costs and increased productivity. Valuable when working in confined spaces and difficult working conditions, because of its small size plus the ability to use lighter and smaller torque tools

Improved reaction arm. Drop-forged reaction arm with lock on function, made of light chrome vanadium steel alloy for durability, stability and performance. It is equipped with an offset reaction arm and can be retrofitted with a straight reaction arm

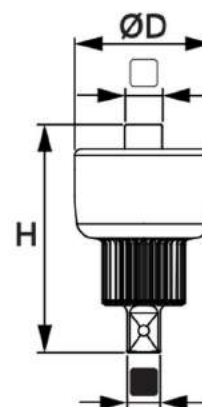
Lightweight. Not only is the unit small, but it also uses lean, high-performance aluminium housing which is 30% lighter than standard steel housing. This improves operator comfort and ease of use. The total weight of 1.9 kg delivers the best torque-weight ratio available

Production efficiency. Increased speed and productivity are achieved by the use of existing torque wrenches. Decreased bolting time prevents tightening failure and associated costs. A high level of torque is achieved from a low level of input

Overload safety. An integrated overload safety mechanism protects the gear unit, by ensuring that the square drive has a pre-determined breaking point. The square shears if overloaded and is easily replaced

Return safety. Integrated return safety for CW/CCW rotation and safe operation

Temperature-resistant. Planet gear unit with ceramic-Teflon®-coated tooth flanks enables minimum device lubrication, meaning that there is no decrease in performance when outside temperatures are colder. This also means that the tool can be stored in a vehicle in a stable transport case



Order Code	Model	Nm max	lbf-ft max	Nm min/max	lbf-ft min/max	Ratio	Q	Drive	ØD mm	H mm	kg
2653370	IKV-12	270	200	50-1300	40-950	1:5	1/2	3/4	80	132.5	1.3



Multiplier

The Torque Multiplier

LKV Series 20Z / 28Z, 100 - 2,800 N.m

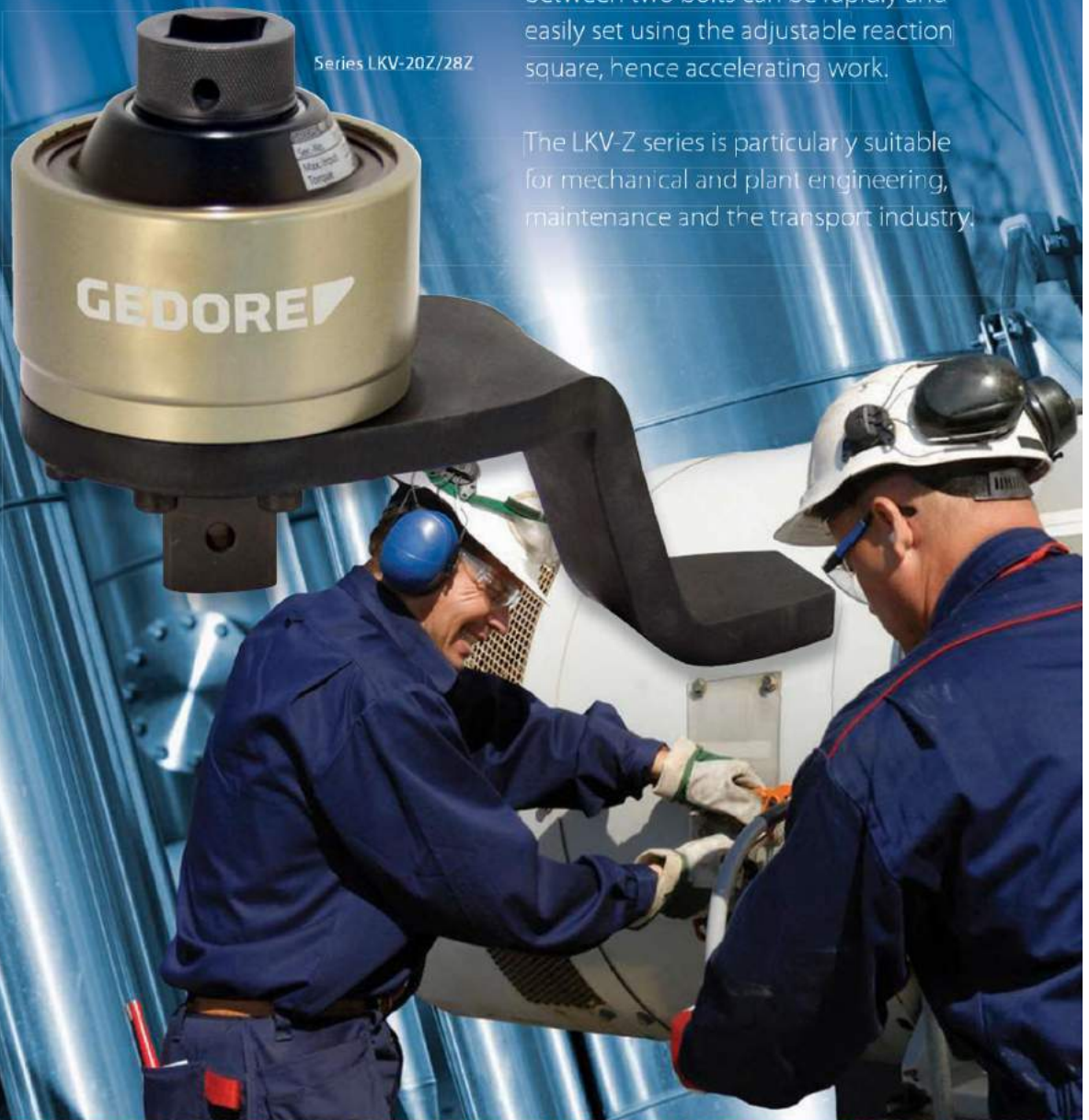
The new Gedore Torque LKV 20Z – 28Z series of Torque Multipliers enables your existing torque wrenches to deliver a much wider range of torque output, accurately and consistently. With an LKV Torque Multiplier, a single torque tool can be used for a greater number of applications. For the user, this means greater flexibility, fewer tools to carry around and enhanced capabilities from smaller and lighter tools, for confined or difficult working conditions.

For your business, this means increased efficiency and reduced inventory costs.

These tools are particularly well-suited for flange bolt connections, where the positioning of the torque multiplier must be implemented easily and rapidly. The LKV-20Z/28Z is equipped with a fixed straight reaction arm and is therefore a complete solution for flange bolt connections. The required spacing between two bolts can be rapidly and easily set using the adjustable reaction square, hence accelerating work.

The LKV-Z series is particularly suitable for mechanical and plant engineering, maintenance and the transport industry.

Series LKV-20Z/28Z



INDUSTRY SECTORS



Aerospace



Military



Utilities



Automotive



Oil & Gas



Accuracy and consistency. Built to a high standard of precision, to ensure that your torque tools operate to their full capabilities

Calibration certificate. Supplied with individual GEDORE calibration certificate, guaranteeing accuracy and performance

Ease of use. Can be used with confidence by operators at any skill level. Easy and quick to assemble. Clear output calculations. Low operator input results in higher output

Flange bolt connections. Particularly well-suited for flange bolt connections, as the reaction arm and adjustable output square enable rapid positioning of the torque multiplier

Flexibility and versatility. Existing tools can be used for additional tasks, meaning enhanced capabilities, reduced inventory costs and increased productivity. Valuable when working in confined spaces and difficult working conditions, because of the ability to use lighter and smaller torque tools

Improved reaction arm. Drop-forged reaction arm with lock on function, made of chrome-vanadium steel for durability, stability and performance. This is cranked and fixed to the tool

Lightweight. Lean, high-performance aluminium housing is 30% lighter than standard steel housing. This improves operator comfort and ease of use

Production efficiency. Increased speed and productivity can be achieved, using existing torque wrenches. Decreased bolting time prevents tightening failure. High level of torque from low level of input

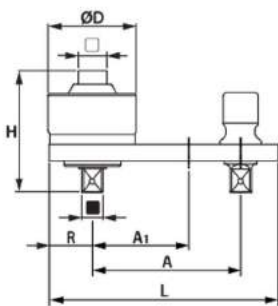
Overload safety. An integrated overload safety mechanism protects the gear unit, by ensuring that the square drive has a pre-determined breaking point. The square shears if overloaded and is easily replaced

Return safety. Integrated return safety for CW/CCW rotation and safe operation

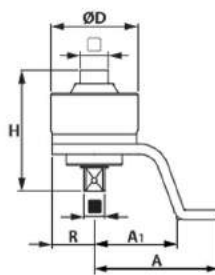
Temperature-resistant. Planet gear unit with ceramic-Teflon®-coated tooth flanks enables minimum device lubrication, meaning that there is no decrease in performance when outside temperatures are colder. This also means that the tool can be stored in a vehicle in a stable transport case



Series LKV-20L/28L



LKV-L



LKV-Z

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	N.m max	lbf/ft max	N.m min/max	lbf/ft min/max	Ratio	Drive	Drive	A mm	A mm	Ø D mm	H mm	R mm	
2653249	LKV-20L	580	430	100-2000	70-1500	1:4			152	73	88	131	43	1.8
2653265	LKV-20Z	580	430	100-2000	70-1500	1:4			150	100	88	131	43	1.8
2653257	LKV-28L	550	410	500-2800	400-2050	1:5.5			199	83	106	146	52	2.4
2653273	LKV-28Z	550	410	500-2800	400-2050	1:5.5			151	101	106	146	52	2.4



Cordless

The Cordless Torque Wrench

LDA/LAW Series, 90 - 6,000 N.m

The new Gedore high-torque cordless torque wrench delivers accurate torque, wherever you need it. This powerful tool is capable of generating precise torque up to 6,000 N.m, without slip coupling and impact mechanism. The powerful lithium ion battery means that the tool can be used

independently and flexibly at great heights or in confined spaces. Once the battery is fully discharged, you can switch to electrical operation with the optional hybrid set. The Gedore Cordless Torque Wrench is available as a straight (LDA series) or angled (LAW series) version.

INDUSTRY SECTORS



Aerospace



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Utilities



Automotive



Oil & Gas



LDA series



Hybrid set option available



Accuracy and consistency. Built to a high standard of precision, to ensure accurate torque application, every time, reducing the risk of over or under tightening

Batteries that run for longer. The powerful lithium ion batteries operate for twice as long as nickel-cadmium batteries. What's more, they operate with uniform peak performance until they are fully discharged

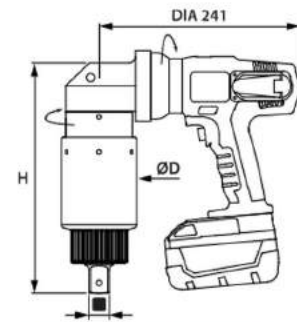
Easy and safe to use. The soft-grip of the motor unit sits comfortably in the hand, non-slip and fatigue-free, due to the gear centre of gravity. The battery can be inserted from two sides. The braked 360°-rotating drive unit prevents any injuries to the operator when used in confined spaces

Power with precision. Patented microprocessor electronics increase and regulate the battery voltage.

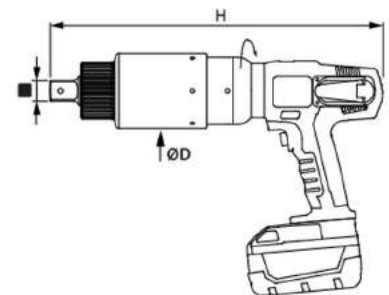
This increases the running time of the battery and maintains the torque at a constant level. This allows the tightening torque for each bolting operation to be precisely maintained and ensures stable torque accuracy over the entire discharging cycle of the battery

Protection and safety. The microprocessor prevents gear damage when loosening hard bolted connections. An active release function ensures that the wrench automatically releases after work is complete

Standard accessories. The LDA and LAW series both come complete with a machine reaction arm cranked, two lithium ion batteries, a battery charger, tool case, operating manual and factory calibration certificate



LAW series – angled version



LDA series – straight version

Order Code	Model	N.m min/max	lbf·ft min/max	Max RPM	Drive	Ø D mm	H mm	Weight
19100.000	LDA - 05	90 - 500	70 - 370	48	3/8"	80	308	4.2
19140.000	LDA - 07	120 - 700	90 - 520	27	3/8"	80	342	4.7
19190.000	LDA - 09ST	130 - 900	100 - 670	24	3/8"	80	342	4.7
19250.000	LDA - 15	180 - 1500	110 - 1110	20	1"	88	357	5.9
19350.000	LDA - 16SI	250 - 2100	180 - 1550	9	1"	90	375	6.5
19450.000	LDA - 28ST	350 - 3100	260 - 2290	7	1"	90	398	7.2
19500.001	LDA - 40	430 - 4000	320 - 2950	5	1"	94	398	7.5
19550.000	LDA - 60	650 - 6000	480 - 4430	4	1 1/2"	102	412	8.7
19191.000	LAW - 09ST	130 - 900	100 - 670	24	3/8"	80	220	5.9
19351.000	LAW - 16ST	250 - 2100	180 - 1550	9	1"	90	254	7.5
19451.000	LAW - 28ST	350 - 3000	260 - 2200	7	1"	90	277	8.3
19501.000	LAW - 40	430 - 4000	320 - 2950	5	1"	94	277	8.5