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TOTAL ASSORTMENT

LKV, LKS MANUAL SOLUTIONS

LKV



SCOPE OF DELIVERY

- **>** DEVICE
- > REACTION ARM CRANKED
- >TOOL BOX
- OPERATING MANUAL
- > FACTORY CALIBRATION CERTIFICATE
- > TORQUE CALCULATOR



LKV-L OR Z



SCOPE OF DELIVERY

- **>** DEVICE
- > REACTION ARM
- > TOOL BOX
- OPERATING MANUAL
- > FACTORY CALIBRATION CERTIFICATE
- > TORQUE CALCULATOR







SCOPE OF DELIVERY

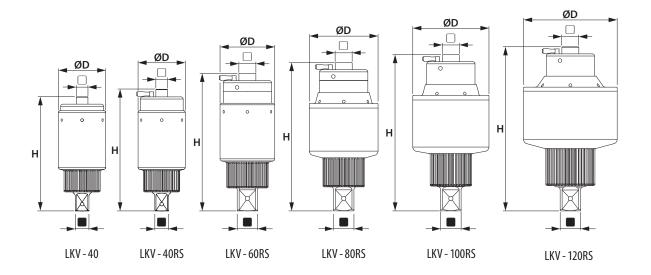
- **>** DEVICE
- OPERATING MANUAL



THE TORQUE MULTIPLIER LKV SERIES, 500 - 54000 Nm



Technical data LKV-40 - LKV-120RS



Туре	N·m max	lbf·ft max	N·m min / max*1	lbf·ft min / max*1	•: • *2			Ø D mm	H mm	∆ [†] _{kg} ∆ *3
LKV-40	300	220	500 - 4000	400 - 2930	1:16	1/2"	1"	88	212.8	3.9
LKV-40RS	310	230	500 - 4000	400 - 2930	1:16	1/2"	1"	88	226.9	4.2
LKV-60RS	400	300	650 - 6000	500 - 4400	1:18	3/4"	1½"	102	256.2	6.6
LKV-80RS	420	310	800 - 8000	600 - 5870	1:22	3/4"	1½"	128	276.5	9.1
LKV-100RS	410	305	1000 - 10 000	700 - 7330	1:28.5	3/4"	1½"	142	291.5	10.9
LKV-120RS	380	280	1320 - 13 000	1000 - 9530	1:39	3/4"	1½"	174.5	306	17.0



^{*2} Approximate data *3 Without reaction arm (except for LKV-550RS device with reaction plate) Further torque ranges on request. All rights reserved. Subject to modifications without prior notice.

Scope of delivery

- > Device
- > Reaction arm cranked with lock on function made of chrome vanadium steel (up to LKV-80 RS)
- > Tool box
- > Operating instructions
- > Factory calibration certificate
- > Torque calculator



Optional accessories

- > Reaction arm cranked with lock on function, made of light alloy with protective cap made of steel (from LKV-100RS)
- Reaction arm made of light alloy, straight with adjustable locking knob with moveable square-end and retaining ring (up to LKV-80RS)





THE TORQUE MULTIPLIER SERIES LKV, 50 - 1300 Nm



Scope of delivery

- > Device
- > Reaction arm cranked with lock on function made of chrome vanadium steel
- > Tool box
- > Operating Instructions
- > Factory calibration certificate
- > Torque calculator



Optional accessories

- > Reaction arm made of light alloy, straight with adjustable locking knob with slave square and retaining ring
- > Replacement sun wheel (replacement part)





TECHNICAL DATA LKV-12



Small, easy to handle, light and sturdy

The smallest torque multiplier in this series is particularly suitable for maintenance purposes and in workshops. The little power packet has been reduced to the smallest possible dimensions without losing any robustness or torque power. It is equipped with an offset reaction arm and can be retrofitted with a straight

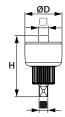
The sun gear acts as a predetermined breaking point if the device is overloaded. This protects both the operator and the device. The sun gear can be easily and rapidly replaced by the operator. Assembly and cost outlay remain low.



The optimal on-board tool

The LKV-12 has small dimensions and can fit in a pocket. This device is highly suitable for use as an on-board tool in utility or construction site vehicles. It can be stored in the vehicle in a stable transport case. Due to the minimum lubrication of the gear unit, the device is not effected by temperature changes and can be operated without problems even at freezing temperatures.







Туре	₩ ₩ M·m max	lbf·ft max	₩ N·m min / max*1	₩ lbf·ft min / max*1	*2 •: 🏟		•	Ø D mm	H mm	*3
LKV-12	270	200	50 - 1300	40 - 950	1:5	1/2"	3/4"	80	132.5	1.3

^{*1} Maximum load limit! Take into account a reserve of ~25% when selecting a device and, where applicable, note increased loosening torques!

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^{*2} Approximate data *3 Without reaction arm

THE TORQUE MULTIPLIER SERIES LKV, 100 - 2800 Nm



Scope of delivery

- > Device
- > Reaction arm cranked or straight (screwed to the device)
- > Tool box
- > Operating Instructions
- > Factory calibration certificate
- > Torque calculator



Replacement parts

- > Replacement square drive for LKV-20
- > Replacement square drive for LKV-28





TECHNICAL DATA LKV-20/28





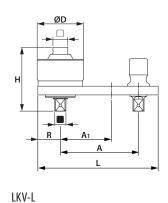
The positioning of the torque multiplier must be implemented easily and rapidly, particularly for flange bolt connections. The LKV-L is equipped with a fixed straight reaction arm and is therefore a complete solution for flange bolt connections. The required spacing between two bolts can be rapidly and easily set using the adjustable reaction square, accelerating work.

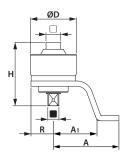


Practical and easy to handle: LKV-20/28Z

The LKV-Z series is particularly suitable for mechanical and plant engineering, maintenance and the transport industry. This series also has a fixed reaction arm, but cranked version. The gear unit is protected against overload with a shearing square which can be easily replaced.







LKV-Z

Туре	₩ N·m	lbf-ft max	₩ N·m min / max*1	₩Ibf·ft min/max*1	•: * *2			A mm	A ₁ mm	ø D mm	H	R mm	L mm	∆ kg ∆ *3
LKV-20L	580	430	100 - 2000	70 - 1500	1:4	3/4"	1"	152	73	88	131	43	220	1.8
LKV-20Z	580	430	100 - 2000	70 - 1500	1:4	3/4"	1"	150	100	88	131	43	194	1.8
LKV-28L	550	410	500 - 2800	400 - 2050	1:5.5	3/4"	1"	199	83	106	146	52	275	2.4
LKV-28Z	550	410	500 - 2800	400 - 2050	1:5.5	3/4"	1"	151	101	106	146	52	204	2.4

^{*1} Maximum load limit! Take into account a reserve of ~25% when selecting a device and, where applicable, note increased loosening torques!

^{*2} Approximate data *3 Without reaction arm All rights reserved. Subject to modifications without prior notice.

THE COUNTER WRENCH LKS SERIES, RSW 32-115 mm









Danger to assembly personnel must be avoided

Every user knows the problems and dangerous situations that can arise when counter-holding while a bolted connection is being tightened. The wrench used for counter-holding can often rotate with unpredictable torques, block or jump off. Once the bolting operation is complete, it often needs to be levered off or even knocked off.

The danger of injury for the assembly personnel is very high here and the risk of damaging neighbouring components or the tools is also significant. The results can be irritating, time loss and assembly downtimes.

The solution: The GEDORE Counter Wrench

Equipped with the appropriate insert, the device utilises a thrust bearing and absorbs the driving torque with the integrated mechanics. Following completion of the bolting operation, a simple press of the lever and the counter-wrench can be rapidly and easily released.

Frequently copied, but never matched

The patented mechanism of the GEDORE counter wrench is unique. Only the precise interplay of the individual components ensures correct and problem-free function. Cheaper copies can bend or stick under large loads. The ring inserts are made of forged chrome-vanadium steel as of size 70.

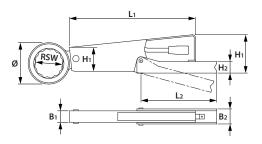


Туре	Լ mm	B ₁ mm	H ₁ mm	$\frac{L_2}{mm}$	B ₂ mm	H ₂ mm	∆ [†] _{kg} ∆
LKS	310	27	65/95	190	38	30	2.6 / 0.4*1
						*1 P	Plus reaction element

Ring wrench inserts type RSW*2

RSW mm	Ø*³ mm	RSW mm	Ø*³ mm	RSW mm	Ø*³ mm
32	54	60	94	90	152
36	54	65	104	95	152
41	60	70	110	100	155
46	75	75	115	105	172
50	80	80	126	110	172
55	88	85	130	115	172

^{*2} According to DIN 7444, *3 Head Diameter All rights reserved. Subject to modifications without prior notice.





BOLTING SOFTWARE

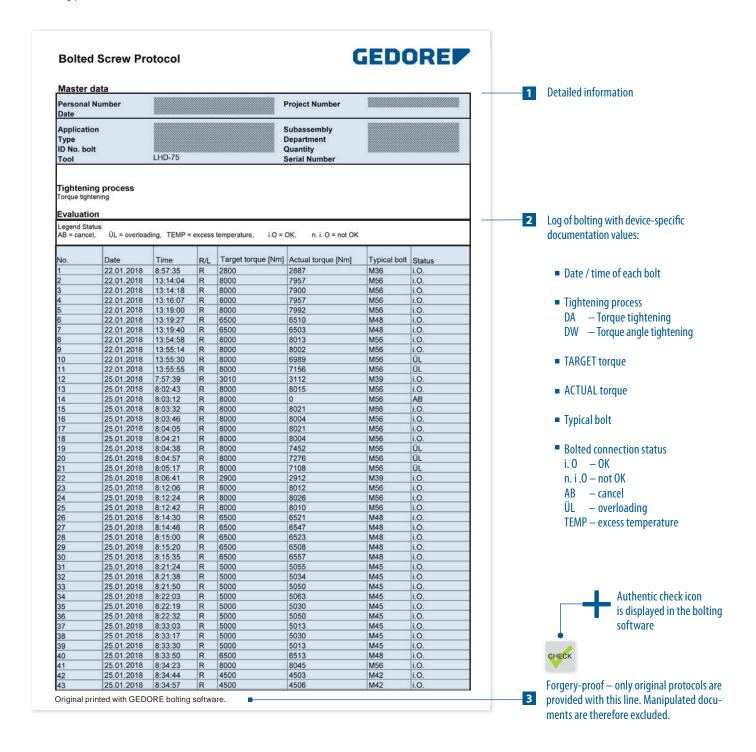
WORK LOGGED AND CONTROLLED WITH THE BOLTING SOFTWARE

Increasing safety and quality requirements make it necessary to prove the quality of each individual fitting.

With the software modules, bolted connections can not only be predefined and saved, but also logged for quality-assured archiving.

Documentation module TRACK for quality assurance

With the module TRACK bolting processes can be traced. During the bolting work, the data is logged and then exported to the PC. A bolting protocol can be created and saved as Adobe PDF or Microsoft Excel file. This ensures that all bolts have been bolted with the correct settings. The encrypted log file ensures that manipulation of the data is excluded.



The QS module is suitable for all companies who need to define and document bolting cases according to quality management specifications.

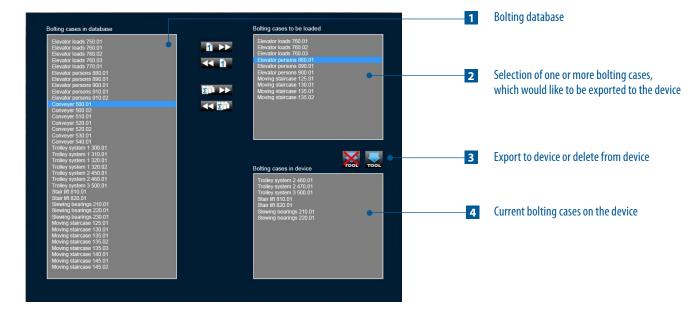
The bolted connections and values are pre-defined on the PC using our bolting software. Here any number of bolted connections can be defined and stored. These are then loaded via the interface to the device and stored in a database.

The operator can only select from the stored bolting cases on the device. After the bolting process, the results of each bolt are loaded back to the PC and documented via the software as a Bolted Screw Protocol. For more detailed information, see the TRACK module (p. 54).

Define bolting case

Define new bolting case ENE XO **GEDORE** Detailed master data of your bolting case (including selection of tools) and four freely selectable fields Selection of the desired tightening process Entering the specifications of the bolting case Definition of control parameters and error management

Data export to device



Bolting software modules for the following devices available:

	LDA/LAW Solution	LDE/LEW	LHU Solution	LHD
Modul TRACK	•	•	•	•
Modul QS	•	_	•	•



Not possible