



## KL-0104-21 EB / - KB/ -1 B / -2 B Spreading Tool Kit in Foam Insert



**Product information** EN  
⚠ Read and understand before use!

[www.gedore-automotive.com](http://www.gedore-automotive.com)



### GEDORE Automotive GmbH

Breslauer Straße 41  
78166 - Donaueschingen  
Postfach 1329  
78154 Donaueschingen - GERMANY

☎ +49 (0) 771 / 8 32 23-0  
☎ +49 (0) 771 / 8 32 23-90  
✉ info.gam@gedore.com  
🌐 gedore-automotive.com

### GEDORE TOOLS, INC.

Only for USA, Canada & Mexico / Sólo para EE.UU., Canadá y México  
Seulement pour les USA, le Canada et le Mexique  
7187 Bryhawke Circle, Suite 700  
North Charleston, SC 29418, USA

☎ +1-843 / 225 50 15  
☎ +1-843 / 225 50 20  
✉ info@gedoretools.com  
🌐 gedore.com

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## Product description

### KL-0104-21 EB / - KB / -1 B / -2 B - Spreading tool kit in foam insert

Fits spring strut clamping holes on the front axle; e.g. for Audi A3 (8P, 8V), Audi TT (8S); VW Golf IV (1J), Golf V (1K), Golf VI (1K), Golf VII (AU), Passat (3C, 362, 365), T5 (7H, 7J), T6 (7H, 7J); BMW; Citroën; Ford; Mercedes Vito, V-Class; Nissan Qashqai (J10, 2006-2013); Seat; Škoda; Renault Kadjar (2015-2018); Peugeot; Japanese vehicles, etc.

Also fits the lower support joint on the front axle; e.g. Audi A4 (8K), A5 (8T, 8F), A6 (4G), A7 (4G), A8 (4H), Q5 (8R), etc.

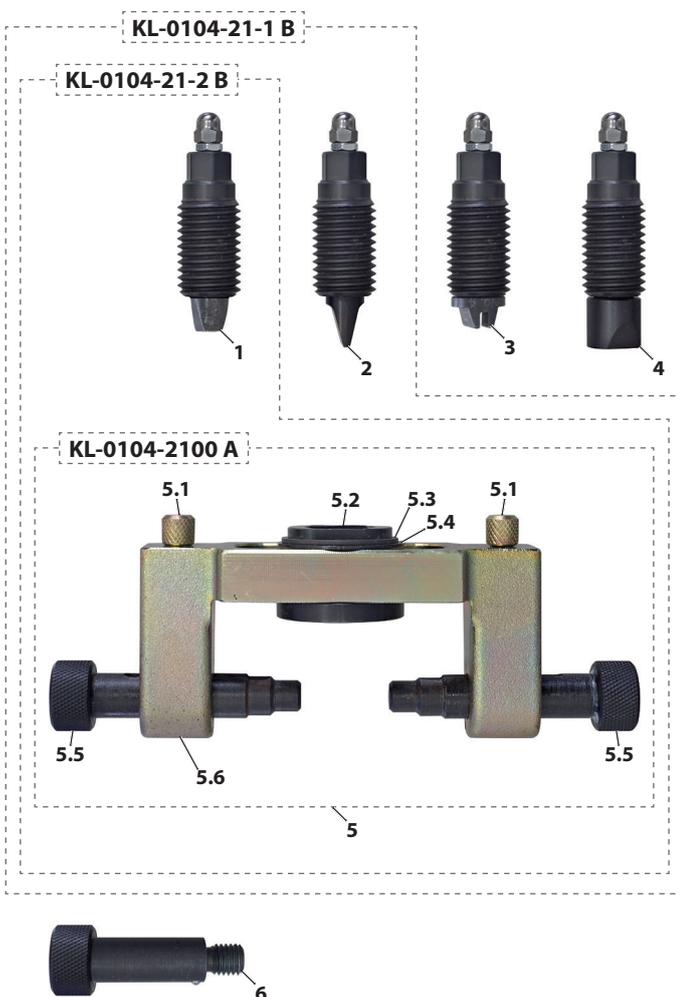
In order to be able to pull stuck shock absorber units out of the steering knuckle clamping bore, or support joints out of the lower support joints without damage, it is absolutely necessary to widen the clamping bore professionally with a spreading tool.

The spreading tool kit allows professional widening of the spring strut clamping hole and the lower support joint mount on the front axle. Required, for example, when changing the spring, the shock absorber, and the support joint.

The floating bolts prevent the spreading tool from tilting, and the special spreading wedge with stop prevents the clamping bore from expanding too much.

This prevents damage to the cast or aluminium steering knuckle housing or other chassis components as a consequence of unprofessional removal and installation attempts.

Due to the variably adjustable spreader head, even vehicles with an off-centre clamping slot are no problem!



### Scope of delivery/component overview

Item	Part no.	Description	Qty.
1	KL-0104-2121 A	Pressure screw with wedge No. 1	1
2	KL-0104-2122 A	Pressure screw with wedge No. 2	1
3	KL-0104-2124	Pressure screw with wedge No. 4	1
4	KL-0104-2125	Pressure screw with wedge No. 5	1
5	<b>KL-0104-2100 A</b>	<b>Basic tool</b>	<b>1</b>
5.1	KL-0104-2105 A	Knurled screw 52mm long	2
5.2	KL-0104-2102	Flange bushing	1
5.3	KL-0104-2103	Retaining ring SW32	1
5.4	KL-0104-2104	Shim washer 32 x 39 x 1mm	1
5.5	KL-0104-2110 A	Cross bolt	2
5.6	KL-0104-2101 A	Base body, adjustable	1
6	KL-0104-2141	Bolt with thread M10	1
-	KL-0104-2190-1	Foam insert	1
ⓘ <b>KL-0104-21 KB</b> in plastic case - <b>KL-4990-9224</b>			

### Specifications:

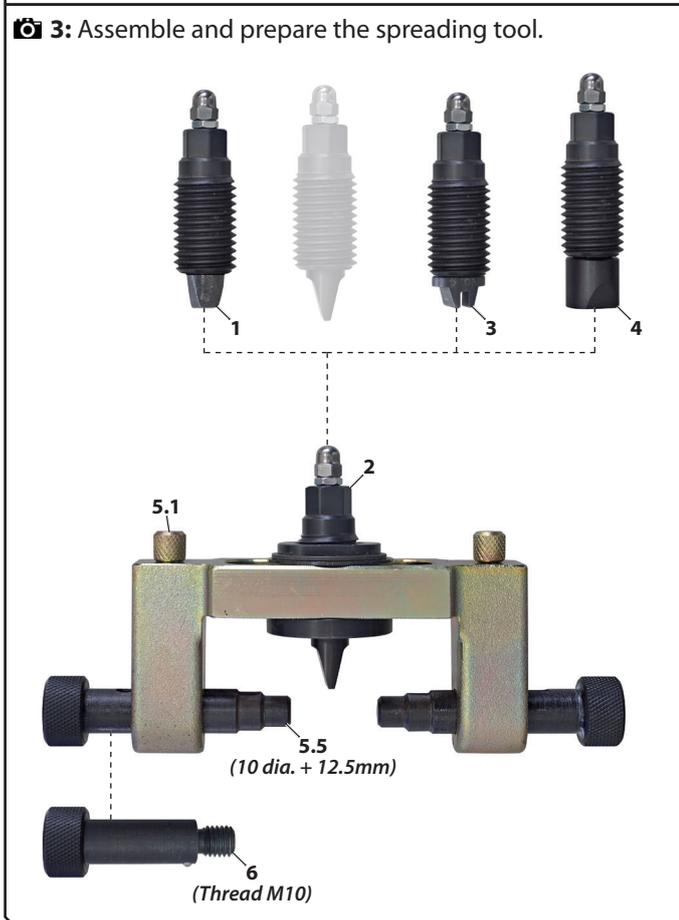
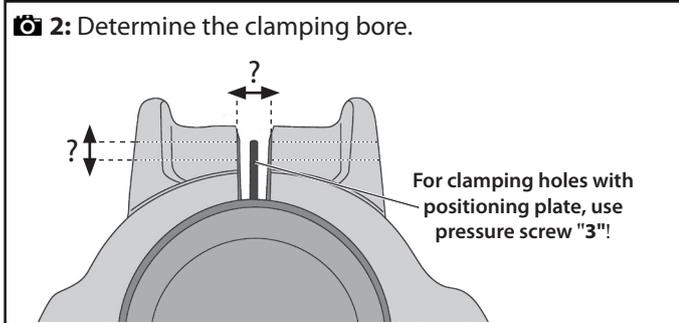
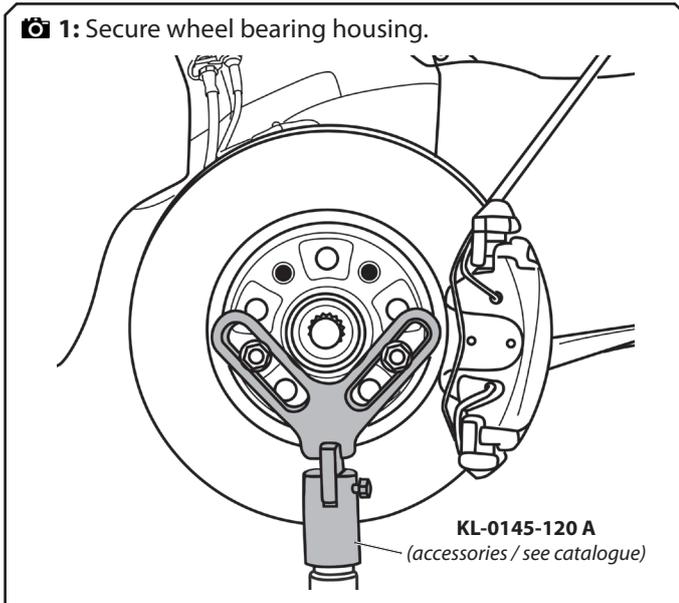
Spreading wedge No.1:..... a: 5.5mm; b: 12mm

Spreading wedge No.2:..... a: 2.0mm; b: 8.0mm

Spreading wedge No.4:..... a: 5.5mm; b: 9.5mm

Spreading wedge No.5:..... a: 12.5mm; b: 17mm





## ⚠️ Safety instructions and regulations

- ✔ **Before using** the special tools, read and understand all safety instructions and **follow** them for **safe use**!
- ✔ Use the special tools **as intended** and **always** carry out maintenance and repair work in compliance with the regulations on occupational safety and accident prevention as well as the vehicle manufacturer's instructions!
- ✔ **Prior to each use**, check the special tools **carefully** for damage, loose parts or unauthorised modifications. **Never** use it if you notice any such deficiencies!
- ✔ **Always** wear your personal protective equipment (for example safety goggles, protective gloves, safety shoes) when working!

## Typical application

This typical application describes the spreading of a clamping bore on a spring strut or support joint mount.

1. Lift the vehicle safely according to the manufacturer's instructions and unscrew the wheels.
2. Secure the wheel bearing housing on the vehicle, for example by using the support device - **KL-0145-120 A** (accessories / see catalogue) in combination with a gearbox jack. (📷 1)

## CAUTION

There is a risk of damaging brake hose, cable connections and drive shaft.

- Secure the brake hose, cable connections, and the drive shaft according to the manufacturer's instructions, and loosen them, if necessary.

3. Loosen or remove all necessary parts as specified by the manufacturer. Then lower the spring strut slightly using the gearbox jack.
4. Assemble and prepare the spreading tool according to the clamping hole.

- 4.1. Using the clamping hole width on the vehicle (📷 2); determine the appropriate pressure screw with wedge "1" / "2" / "3" or "4", and screw it into the spreader tool as shown in 📷 3.

### 📌 Note:

For clamping holes with positioning plate at the spring strut, use pressure screw "3"!

- 4.2. Determine the appropriate cross bolt / bolt "5.5" or "6" on the basis of the bore on the vehicle.

➡ Through hole = cross bolt "5.5"

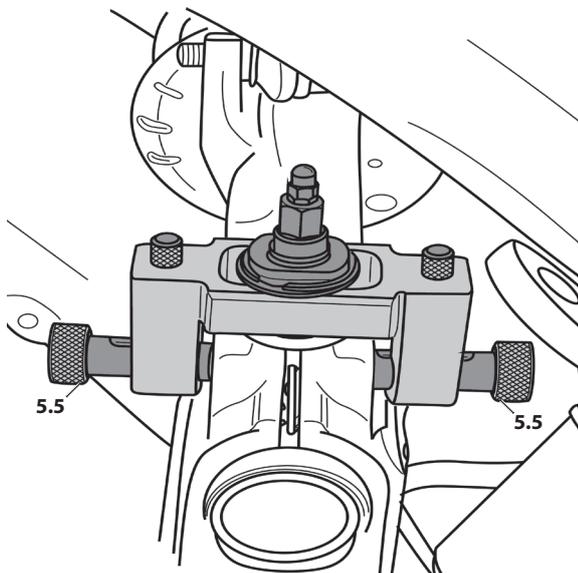
➡ Through hole with M10 thread = bolt "6"

Insert cross bolt "5.5" or "6" as shown in 📷 3 into the spreading tool.

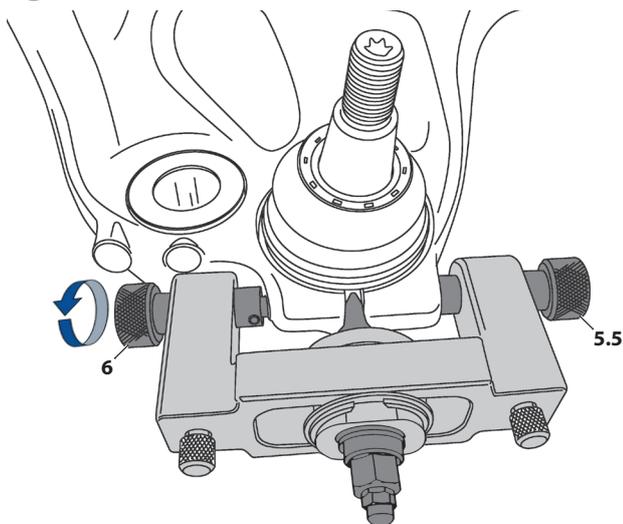
To do this, loosen knurled screw "5.1" anticlockwise until the cross bolt/bolt "5.5" or "6" can be removed. Insert in reverse order.

**📷 4:** Apply the spreading tool ...

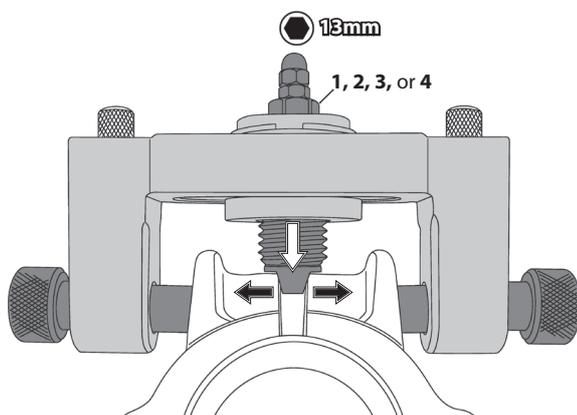
**A** ... on the spring strut mount.



**B** ... on the support joint mount.



**📷 5:** Widen the spring strut or support joint mount.



**5.** Apply the spreading tool ...

... on the spring strut mount.

Apply the spreading tool on the spring strut mount in such a way that the cross bolts "5.5" fully and properly engage in the holes as shown in **📷 4 A**.

... .. on the support joint mount.

Apply the spreading tool on the support joint mount in such a way that the cross bolt "5.5" fully and properly engages in the M10 thread of the support joint mount as shown in **📷 4 B**.

## CAUTION

The spring strut or support joint mount can be damaged.

- Widen the clamping hole only as far as necessary and never overstretch it!
- Depending on the clamping hole width, use the corresponding pressure screw with wedge.
- Make sure the cross bolts "5.5" or bolt "6" are seated correctly.

- 6.** Slightly widen the clamping bore with the spreading tool by screwing in the wedged pressure screw "1" / "2" / "3" or "4" clockwise. (**📷 5**)

- 7.** Remove the spring strut or support joint according to the manufacturer's instructions, for example, remove the spring strut using the spring preloading tool - **KL-0029-10 KB** (accessories / see catalogue)