



GB - Operating Instructions

DE - Bedienungsanleitung

FR - Instructions d'utilisation

ES - Instrucciones de uso

DK - Betjeningsvejledning



SCANGRIP
CANVIK CENTER Spring Compressor
Item no.:13.0001

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WARNING - ACHTUNG
AVERTISSEMENT
ADVERTENCIA – ADVARSEL

GB

Always carefully check that the
jaws are correctly positioned!

PLEASE PAY ATTENTION TO TEXT WITH THIS SYMBOL
THESE INFORMATION ARE IMPORTANT FOR SAFETY



DE

IMMER überprüfen, dass der
Federhalter korrekt montiert ist!



FR

Toujours vérifier soigneusement
que les mâchoires sont positionnées
correctement!



ES

Siempre carfully compruebe que las mordazas
estén colocadas correctamente!



DK

Kontroller altid at fjederholderen
er monteret korrekt!



Safety Warning



Working safely with this tool is possible only when the operating and safety information are read completely and the instructions contained therein are strictly followed. The manual shall be kept in a known location and be easily accessible for operators and maintenance staff for the life of the product.

ALWAYS WEAR PERSONAL PROTECTIVE EQUIPMENT AS PROTECTIVE CLOTHING, MASK, GLOVES, HELMET, SHOES AND ETC.

Concentrate your attention on the work. Bear the potential risk of accidents in mind to ensure that they do not happen. Use your common sense and do not work the machine if you are ill or tired or under the influence of alcohol or drugs.

ALL operation shall be carried by qualified person with experience.

- Before each use, check the unit for full functional capability. If the functional capability is not ensured or if damage is detected, STOP USE the compressor immediately. Contact your dealer!
- Do not make any construction changes to the unit.
- Use only suitable jaws for the springs. Ensure that the spring is positioned correctly in the jaw. The centre line of the spring must be centered in both jaws.
- When compressing the spring, the spring windings should not come in contact with each other.
- Use air wrench only with the supplied torque stick which has a torque limit of max. 40 Nm.
- Air wrench torque limit 40 Nm. We recommend using an air ratchet.
- Pay attention to compressed spring. Never drop or impact compressed spring, can cause serious injury.
- Use only for spring types mentioned in the user instructions.
- Keep the workplace clean and tidy at all times.
- Concentrate your attention on the work. Bear the potential risk of accidents in mind to ensure that they do not happen. Use your common sense and do not work the machine if you are ill or tired or under the influence of alcohol or drugs.
- Do not use the compressor for other purposes than it was designed for and **DO NOT OVERLOAD** the compressor.
- Before and during the clamping process as well as after each operation, make sure that the spring is correctly located in the compressor.
- Do not lean over the compressor when in use to make sure that even in the case of an accident, the spring will not impact on user.
- Do not leave the spring compressor unattended.
- For indoor use and room temperature only.
- Store this product in dry place. NOT in moist or corrosion place.

WARNING

The coil spring compressor is exclusively for coil springs compressing Wishbone and Multilink Systems. This product is not for conical spring and ball spring. Any other or further use is considered as not intended and is forbidden!

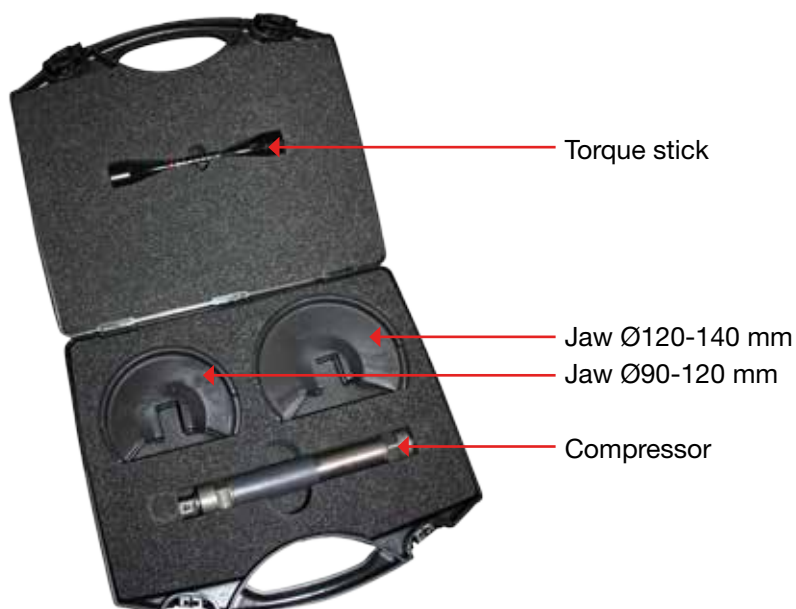
Specifications

Wishbone and Multilink System Coil Spring Compressor
including standard jaws Ø90-140 mm and a 40 Nm torque stick.

| | |
|----------------------------------|---|
| Article no.: | 13.0001 |
| Maximum load: | 1500 kg (about 15000 N) |
| Minimum distance: | 96 mm |
| Maximum distance: | 220 mm |
| Maximum travel: | 124 mm |
| Dimensions body (D x L): | Ø29 x 225-280 mm |
| Dimensions torque stick (D x L): | Ø27 x 180 mm |
| Weight body: | 0.64 kg |
| Weight torque stick: | 0.26 kg |
| Max tension force | 40 Nm |
| Spring type | Coil spring Ø90-120 mm Coil spring Ø120-140 mm |

Standard Accessories

| | |
|----------------------------------|------------|
| Torque stick (Safety key), 40 Nm | 13.0001.05 |
| Jaws, Ø90-120 mm (2 pieces) | 13.0001.15 |
| Jaws, Ø120-140 mm (2 pieces) | 13.0001.19 |



Operation Warning

How to detach the spring form the vehicle.

Before each operation, check vehicle spring and make sure that spring compressor function well and no damage.



- Before placing the coil spring compressor onto the spring, lift the vehicle until the wheel is completely free from the ground. Use jack stand to support the vehicle. Make sure that vehicle is braked on level and rigid ground. Also make sure that vehicle can not move during the whole operation.



- Place the coil spring compressor inside the spring and mount the lower jaw as low as possible between two spring windings . Make sure to use the **RIGHT SIZE** of jaws. Spring shall be fully inside the jaws. Make sure the spring is clean were the jaws are mounted on the windings. Wipe away crease and dirt.
- Adjust the compressor to proper length. Place the upper jaw as high as possible in the spring windings to press as many spring windings as possible.
- Take care that the seating of the spring windings in the jaws is correct. Spring compressor shall be in the center of spring windings (see Fig. 1, page 6).



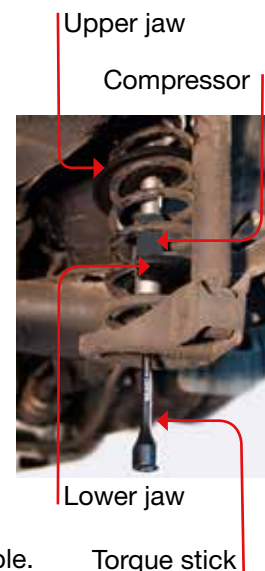
- Hold on to the upper jaw until the spring compressor is firmly fixed in the jaws.
- Compress the spring together by drive the torque stick with an air wrench or a ratchet spanner.
- Use air wrench only with the supplied torque stick (Safety key) which has a torque limit of max. 40 Nm.
- Wrench torque shall not over 40Nm.



- We recommend using an air ratchet or torque wrench.
- **DON NOT** compress any more, when the windings of the spring are in contact with each other.
- Do not continue to drive when the upper or lower travel ends of spring compressor are reached.
- After Spring is properly compressed, move spring compressor (with spring) from the vehicle.
- ove spring compressor **SLOWLY and CAREFULLY** to work stage. Fix the compressor on a bench vice with groove that can make jaws clamped (see Fig. 2, page 6). **NEVER CLAMP ON SPRINGS.**



- **SLOWLY and CAREFULLY** release the spring compressor and remove spring from it. During this operation, please stand beside the compressor. Please **DO NOT** stand in the line of spring central axis to prevent accidental releasing and injury.
- Store coil spring compressor in safe and proper place.





How to install the spring on a car

STEP 1:

Make sure that both jaws are correctly positioned



Fig. 1



STEP 2:

Preload the coil spring compressor. Make sure that the jaws are **STILL** correctly positioned after preload because the jaws may slip eccentrically. (see Fig. 1).



STEP 3

Fix the spring compressor with spring on a bench vice with grooves. Clamp on the jaws by grooves. **NEVER** clamp on the spring.

Clamp the jaws so that jaws not rotate in compressing operation.

DON NOT clamp too tight that may damage the jaws.

The bench vice shall have groove for clamping round jaw. Do not exceed the max tension force of 40 Nm as this could damage the compressor.

Do not compress any more, when the windings of the spring are in contact with each other.

Do not continue to drive when the upper or lower travel ends of spring compressor are reached.

During this operation, stand beside the compressor.

DON NOT stand in the line of spring central axis to prevent accidental releasing and injury.



Fig. 2



STEP 4

Mount spring compressor on the vehicle proper position. **SLOWLY** and **CAREFULLY** release the spring compressor. Make sure that spring is in right position and then remove the spring compressor.



Maintenance and cleaning



- **MAINTENANCE PERSONEL** should be qualified and trained in the compressor functions and failure modes, their rectification, operation and maintenance of the product.
- Regular check period 1 month. When you find any damage or deformation, please stop use immediately and ask manufacturer for help. Never try to repair the product yourself.
- Store the unit in a dry place without corrosion. Package the jaws with compressor as it delivered.
- Always keep the unit clean. Especially ensure dry and make sure no water in spring compressor.
- Grease the guide spindle if necessary, however at least every six months. Clean the spindle before greasing. Recommended grease: graphite grease.



- User shall not try to repair or disassembly the spring compressor. When you have such need, please connect manufacturer for help.
- For all inquiries please include the serial number in all cases.

Guarantee

- This tool carries a guarantee according to current law.

Subject to change without notice

