BGS technic

BGS 1134

Coil Spring Compressor

SPECIFICATIONS
Maximum load: 1500 kg (15000 N)
Minimum jaw distance: 65 mm
Maximum jaw distance: 354 mm
Spring capacity: Ø 80 - 195 mm
Length body: 475 mm
Weight body: 4.7 kg
Weight incl. jaws: 10.2 kg

INCLUDES
Body
Jaw pair Ø 80 - 145 mm
(Art. 1134-10)
Jaw pair Ø 145 - 195 mm
(Art. 1134-20)

USE AS INTENDED
The coil spring compressor is exclusively for compressing and expanding of McPherson strut springs whereby suitable jaws must be used. Any other or further use is considered not as intended.

SAFETY ADVISE
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.

- Before each use, check the unit for full functional capability. If the functional capability is not ensured or if damage is detected, the unit should not be used.
- When compressing the spring, neither the spring windings nor the jaws should come in contact with each other, Fig.B.
- The centre line of the spring must always be parallel to the compressing device, especially for conical springs.
- Use only suitable jaws for the springs. The spring must rest se curely within the outer rib and the safety ridges. Take care that sliding of the spring out of the jaws plates is not possible.
- The bolts of the jaws must always be firmly tightened.
- When using impact wrench do not exceed 180 Nm torque limit.
- For repair, use only original parts.
- Do not make any construction changes to the unit. Do not replace safety pin by a stronger safety pin.
- Do not leave unattended when in use.

Instruction Manual

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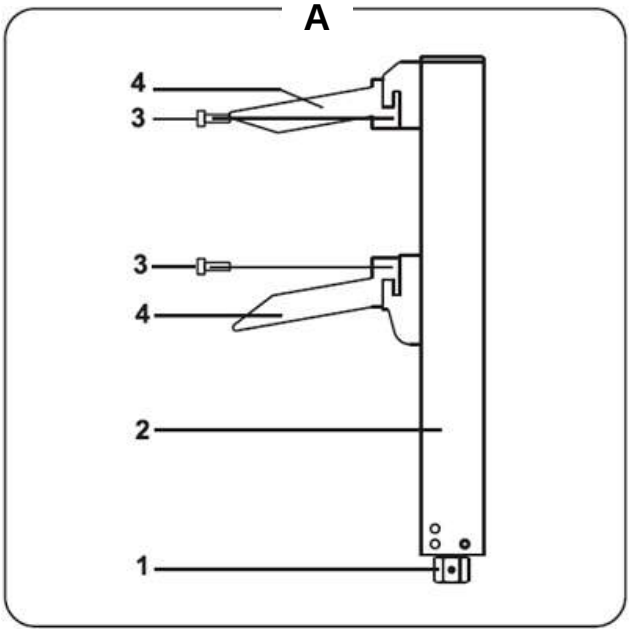
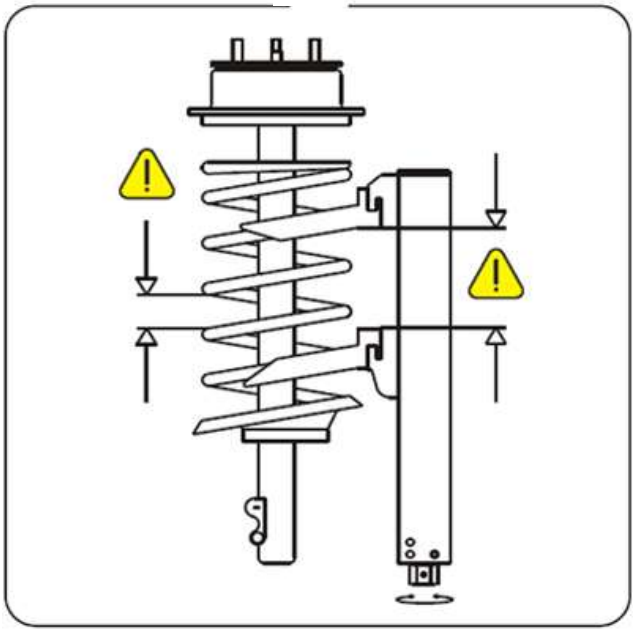
PARTS

1 Drive nut
2 Compressing device
3 Retaining bolts
4 Jaws
5 Safety pin
6 Outer rib
7 Safety ridge
8 Spring

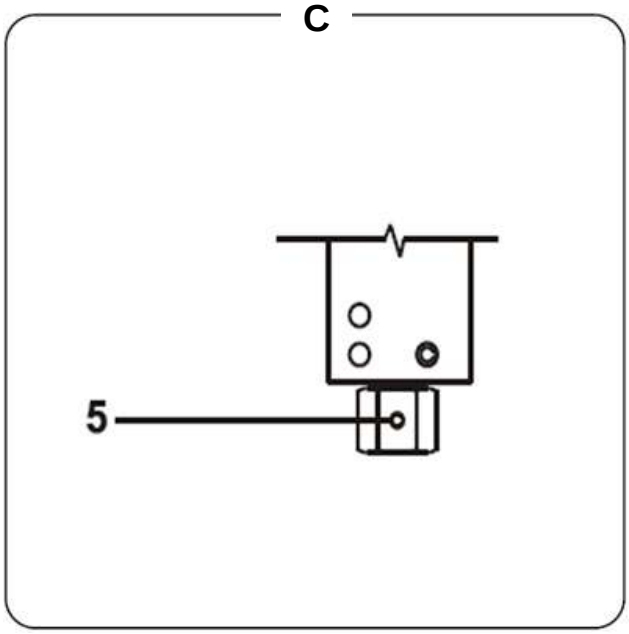
A



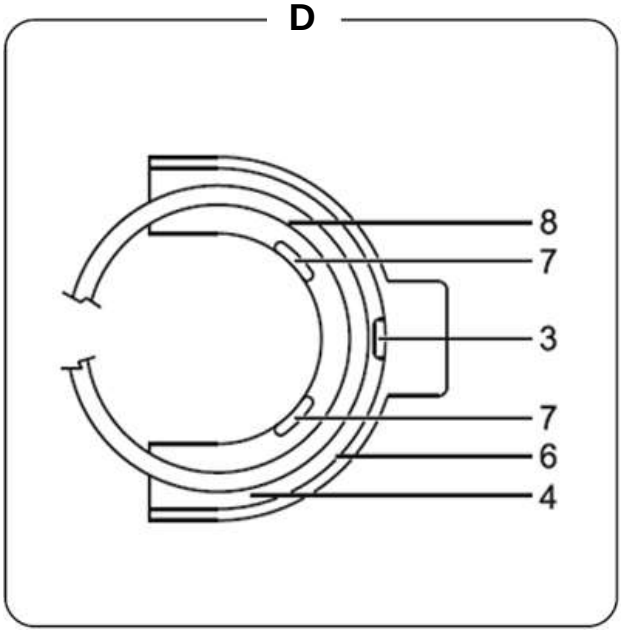
B



C



D



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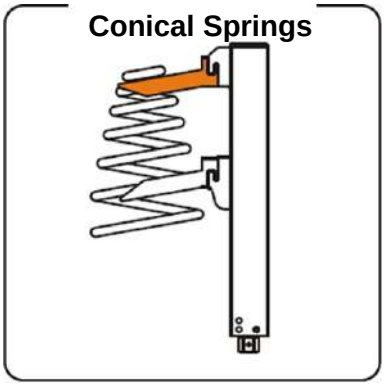
OPERATION ADVICE

- Remove the McPherson spring strut.
- Select jaws according to table (page 32-46) and mount on the spring compressor. Fit the retaining bolts and tighten firmly.
- It is very important for your safety that the bolts of the jaws are firmly tightened.
- Rotate the drive nut to drive the jaws apart to match the length of the spring and to compress as many windings as possible.
- Place the coil spring compressor in the built-in protective accessory in a suitable vice.
- Place the spring strut onto the coil spring compressor. Take care that the seating of the spring windings in the jaws is correct.
- With an impact wrench or a racket spanner, turn the drive nut until the upper support bearing is free. Additional compressing is permitted.
- When using impact wrench do not exceed 180Nm torque limit.

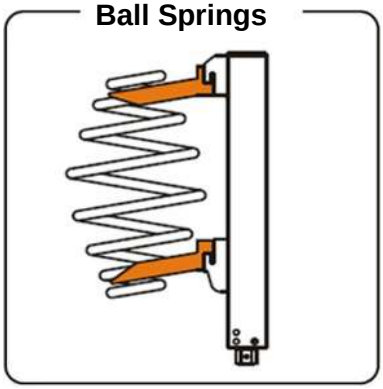
Conical Springs

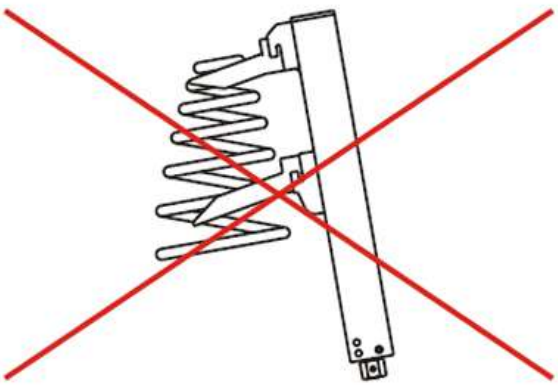
Use the raised jaw to ensure that the centre line of the spring is parallel to the compressing device.
Do not use the coil spring compressor for conical springs if this is not the case.
Fit the raised jaw at the spring end with the smallest diameter.
It is very important for your safety that the jaws are fitted correctly and that the bolts are firmly tightened before use.



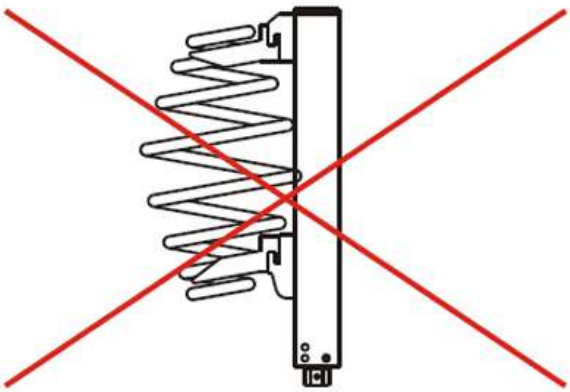
Ball Springs

Use the raised jaw to ensure that the centre line of the spring is parallel to the compressing device.
Do not use the coil spring compressor for ball springs if this is not the case.
Fit raised jaws at both spring ends.
It is very important for your safety that the jaws are fitted correctly and that the bolts are firmly tightened before use.





Conical Springs



Ball Springs

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MAINTENANCE & CLEANING

- Always keep the unit clean.
- For all inquiries and spare parts ordering, please include the item number in all cases.
- Grease the guide spindle if necessary, however at least every six months. Clean the spindle before greasing. Recommended grease: graphite grease.

SAFETY PIN

Overloading of the spindle will result in the safety pin breaking.
Whilst the drive nut will still rotate,
the spindle remains in its last position ensuring the spring remains compressed.
Replace the safety pin as described (Fig.C.5):

- Remove the handgrip from around the drive nut by pulling away from the main unit.
- Drive out the broken pin with a drift pin.
- Align the drilling of the spindle and the drive nut and drive in a new safety pin (5x26 mm, ISO13337).

GUARATEE

This tool carries a guarantee according to current law.

NOTES

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BGS	Description	
1134-10	Jaw	Ø 80 - 145 mm
1134-20	Jaw	Ø 145 - 195 mm
1134-25	Jaw	left twisted springs
1134-50	Jaw	Ø 80 - 120 mm
1134-60	Jaw	Ø 80 - 145 mm
1134-70	Jaw	BMW E39, E46 / Renault Megane II
1134-75	Jaw	BMW 1, 2, 3, 4 / Mini One, Cooper, Cooper S
1134-80	Jaw	Mercedes C-Class 2008-
1134-85	Jaw	Mercedes C-Class W204, W205
1134-90	Jaw	Mercedes E-Class
1134-95	Jaw	Renault Twingo 2014-
1134-100	Jaw Set	Peugeot Break / Citroen C15
1134-108	Jaw with protective insert	Ø 80 - 120 mm
1134-110	Jaw with protective insert	Ø 80 - 200 mm
1134-1	Safety Wire	
1134-V	Jaw	Ø 145 - 195 mm
1134-VII	Jaw	Ø 180 - 230 mm
1144-110	Jaw	universal
1134	Spring Compressor 1500 Kg incl. Jaw Set 1134-10 & 1134-20	
1144	Spring Compressor 1800 Kg incl. Jaw Set 1134-10 & 1134-20	

Spring holders are supplied as single, unless they are indicated as a pair.

Notes of vehicle list and abbreviations

For conical or ball-shaped springs, both spring holders specified under VA1 / VA2 or HA1 / HA2 are required. If two article numbers are specified in non-gray cells, one of the specified article numbers may be required.

LS= Leaf Spring
TB= Torsion Bar
AS= Air Suspension