

Thank you for purchasing a Sealey Product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.



IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

## 1. SAFETY INSTRUCTIONS

- ▲ **DANGER!** Stop compressing the spring before the coil windings touch, fig.2.A. Exercise particular caution when using an air impact wrench.
- **WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- **WARNING!** Wear approved safety eye protection (standard spectacles are not adequate).
- **WARNING!** Do not compress the spring to an extent where the jaws touch, fig.2.B.
- X **DO NOT** operate spring compressor if parts are damaged or missing as this may cause failure and/or personal injury.
- X **DO NOT** force the spring compressor to achieve a task it was not designed to perform.
- X **DO NOT** allow untrained persons to use the spring compressor.
- ✓ Familiarise yourself with the applications, limitations and potential hazards of the spring compressor.
- ✓ Maintain the spring compressor in good condition. Replace or repair damaged parts.
- Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Keep the work area clean, uncluttered and ensure there is adequate lighting.
- ✓ Keep hands and body clear of the spring when operating the spring compressor.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Remove ill fitting clothes. Remove ties, watches, rings, other loose jewellery. Contain and/or tie back long hair.
- ✓ Wear appropriate protective clothing.
- ✓ When not in use, clean and store the spring compressor in a safe, dry, childproof location.

## 2. INTRODUCTION & DESCRIPTION

<b>Capacity</b>	1000kg	<b>Maximum Jaw Opening:</b>	265mm
<b>Gold Yokes:</b>	Ø80-105mm	<b>Drive:</b>	21mm Hex
<b>Black Yokes:</b>	Ø105-140mm		
<b>Silver Yokes:</b>	Ø145-190mm		

### 2.1. Introduction

- 2.1.1. Suitable for Macpherson strut coil springs. Features a yoke extension bracket that also allows use on conical springs. Supplied with three pairs of different sized interchangeable yokes, for a wide range of vehicle applications and plastic yoke protectors that protect the spring coating from damage which can invalidate the vehicle manufacturer's warranty. Safety yokes are carefully shaped to stop the spring bowing while under compression.

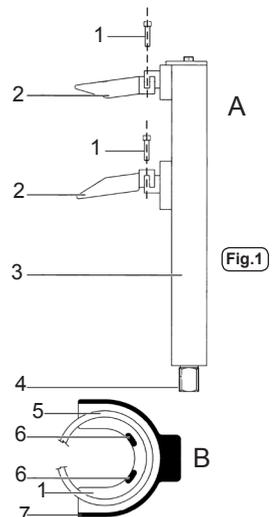
### 2.2. Description (Fig.1)

- 2.2.1. The compressor consists of a solid steel body mounted with two forged jaw interlocks, one on the body and the other on a centrally mounted spindle.

- |                   |               |
|-------------------|---------------|
| 1 Retaining bolts | 5 Spring      |
| 2 Yoke            | 6 Safety lips |
| 3 Compressor body | 7 Outer rib   |
| 4 Hex nut         |               |

- 2.2.2. The spindle, is driven by a 21mm hex nut (Fig.1.4).

- 2.2.3. Each jaw has safety lips to eliminate slip and is designed to fit the pitch of the spring to ensure maximum surface contact between the jaws and the spring, thus eliminating the risk of the compressor slipping around the spring.



### 3. INSTRUCTIONS FOR USE

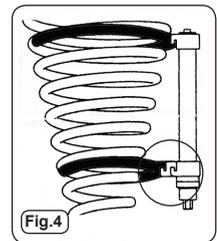
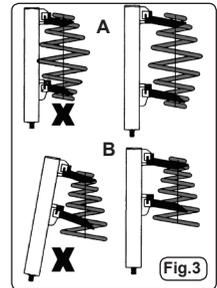
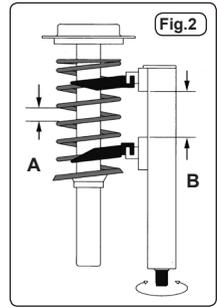
- ❑ **WARNING!** Do not compress the spring to an extent where the coil windings or jaws touch, (Fig.2.A, Fig.2.B).
- ✓ Ensure the jaws and the body of the compressor are correctly aligned and well spaced at all times during spring compression (Fig.3.A). For conical springs, the centre line of the spring should remain parallel to the compressor body, (Fig.3.B). If necessary use the extension block as in Fig.4 to keep the spring and compressor body parallel.
- ✓ Secure the strut with a clamp, vice or other adequate holding device.

#### 3.1. To Compress a Strut Removed From a Vehicle.

- 3.1.1. Mount the selected jaws on the compressor body, fit the retaining bolts and tighten securely.
- 3.1.2. Rotate the hexagonal nut, using air or hand tools to drive the jaws apart to the length of the spring and to allow compression of as many windings as possible.
- 3.1.3. Place the spring strut compressor onto the spring, ensuring the spring seats correctly (Fig.1.B) between the safety lips (Fig.1.6) and the outer rib (Fig.1.7) and cannot slide out during compression.
- 3.1.4. Ensure the jaws and body are correctly aligned, (Fig.3 / 4).
- 3.1.5. Rotate the hexagonal nut, using air or hand tools and compress the spring until the upper support bearing is free and the spring will rotate.

#### 3.2. To Decompress a Strut Removed From a Vehicle.

- 3.2.1. To decompress the spring, reverse the compress procedure.



### 4. MAINTAINING THE COMPRESSOR

#### 4.1. General Maintenance.

- 4.1.1. Before each use check the compressor to ensure it is not damaged or worn. If suspect, do not use the unit, but contact your local Sealey Dealer who will be able to advise you regarding repair kits and spare parts.
- 4.1.2. Grease the compressor spindle as necessary, at least every six months.
- 4.1.3. Keep the compressor clean, and when not in use, store in a safe, dry, childproof location.



Parts support is available for this product. To obtain a parts listing and/or diagram, please log on to [www.sealey.co.uk](http://www.sealey.co.uk), email [sales@sealey.co.uk](mailto:sales@sealey.co.uk) or phone 01284 757500.

**NOTE:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.  
**IMPORTANT:** No liability is accepted for incorrect use of this product.

**WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim.

**INFORMATION:** For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.

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