

Pro-Spacer

Installation Instructions – System 1

Dear Customer,

Congratulations on the purchase of the **Pro-Spacer** kit. You have selected a high-quality technical product. Thank you for the confidence which you have placed in us.

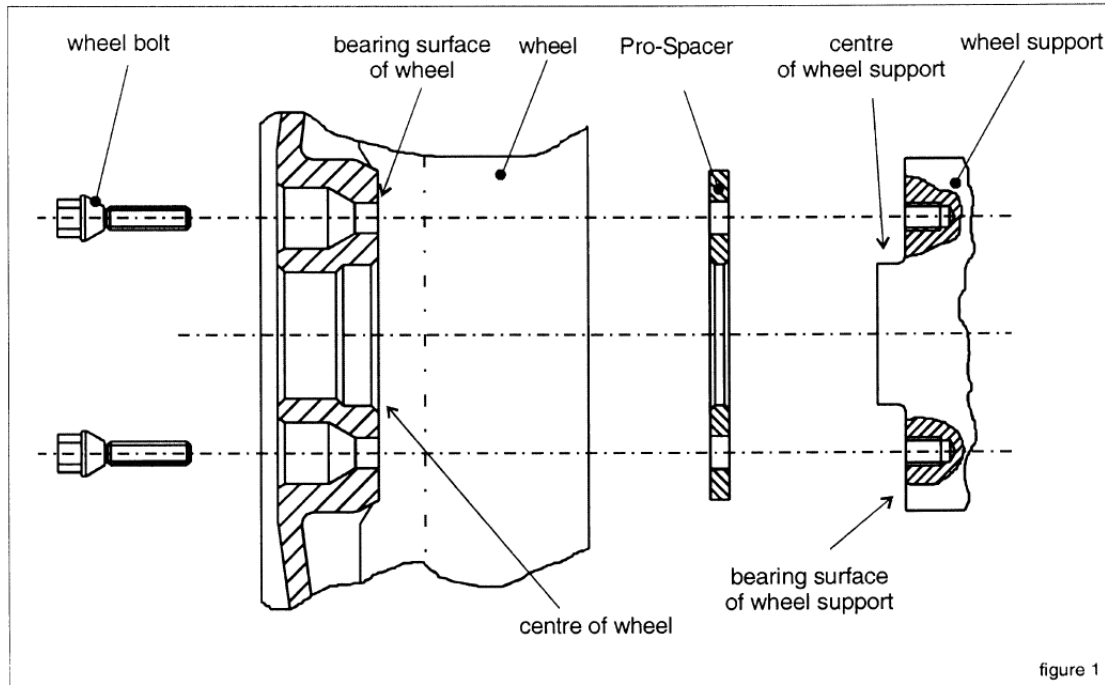
In order to ensure proper functioning, please observe the following installation and safety instructions:

The installation of the **Pro-Spacer** must be carried out by appropriately trained personnel in a specialist workshop. Only new parts in original packaging may be exchanged. Parts that have been assembled may not be exchanged.

Pro-Spacer wheel spacers are specifically designed and offered for their intended use. Improper use or installation can have fatal consequences. Therefore, in order to prevent damage to property and injury to people, please always comply with the following installation instructions, as well as with the information provided in the expert's specification and in the guarantee certificate, as well as the references to the workshop manual.

In addition to these installation instructions, the scope of supply includes the parts specified in the attached parts list. Prior to installation, please check the package contents for completeness, and compare the part numbers specified in the parts list with the marking applied to the parts.

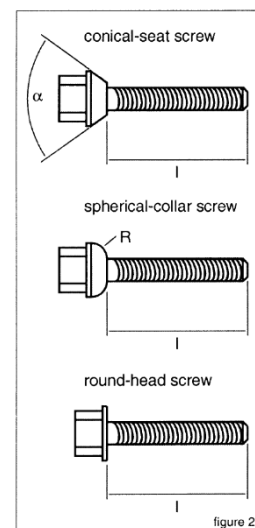
Also check that this **Pro-Spacer** kit is approved for the intended use in accordance with the parts specification.



1. The center alignments and bearing surfaces of the wheel support and the wheel (Figure 1) must be free of rust and dirt and clean. Use a wire brush for this purpose and proceed with caution, to avoid damaging other components.
2. Check that the center alignment and the hole pattern of the spacer ring are suitable for your vehicle and the wheel. To do this, place the spacer ring on the wheel support and check that it is positioned free of play and that the holes coincide. Existing locking screws and retaining clips for brake disks / drums must be removed if required by the parts specification. Then perform the same check between wheel and spacer ring. Also check that the length of the center alignment on the wheel support is long enough to align the wheel after fitting the spacer. If you discover any deviations, compare the part numbers stated in the specification with the part marking again.

If necessary, please contact our Development Department on tel. no. +49 (0) 2721 / 511-342. Please have the motor car certificate, the wheel specification (for special wheels), the **Pro-Spacer** parts specification and the part marking ready.

3. Due to the large number of possible combinations between vehicle and special wheels, a unique allocation of the correct wheel bolts by manufacturer is not possible. For this reason, the wheel screws must be ordered separately, according to the individual application.





Please take particular care that the collar shape of the Eibach wheel bolts to be used for fixing agrees with the collar shape (with the specific angles and radii) of your series or special wheel bolts. The most common collar shapes are shown opposite for verification (Figure 2).

Also make sure that the Eibach wheel bolts to be used for fixing have a shaft length l (Figure 2) which is larger by the nominal thickness of the spacer (Figure 3) than that of the original or special wheel bolts used without spacer.

In addition to the collar shape, the thread size with its specific thread diameter and thread pitch must be verified.

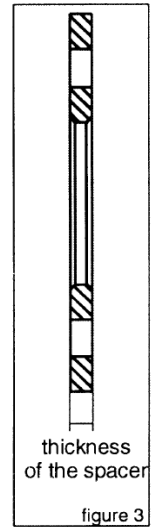
4. With correct play-free seating of the spacers and correct bolt size and shape, the **Pro-Spacers** are fitted between wheel and wheel support. First of all the **Pro-Spacer** spacer is placed on the wheel support and then the wheel is placed on the **Pro-Spacer** spacer. The parts are then fixed with Eibach special bolts. For the necessary tightening torques, please refer to the workshop manual or the wheel manufacturer's specification (in the case of special wheels).

5. An adequate minimum screw-in depth of the bearing thread must be ensured during installation (see also information in the parts specification and workshop manual).

Thread size:	M12x1.25	= 8.0 revolutions \approx 10 mm support length
	M12x1.5	= 6.5 revolutions \approx 10 mm support length
	M12x1.75	= 6.5 revolutions \approx 12 mm support length
	M14x1.5	= 7.5 revolutions \approx 11 mm support length

In the event of differing information, the information in the vehicle manufacturer's workshop manual is decisive.

6. After installation, free running in relation to the internal parts of the vehicle must be checked with balanced wheels. For this purpose, the wheel must be turned one complete revolution. In the event of contact (e.g. with internal parts of the axle support, the ABS sensor disks or the brake system), the installation must be checked. If necessary, contact our Development Department on tel. no. +49 (0) 2721 / 511-342.
7. When installation has been completed, all connections and tightening torques must be checked again after a distance of approx. 50 km.
8. If the width across flats of the Eibach wheel bolts used deviates from the width across flats of the original bolts, an additional socket must be added to the tool kit.
9. Eibach does not accept any functional liability for modified spacer rings. Such parts are excluded from warranty and exchange.
10. A combination of several spacer rings is not permitted.





Acceptability and approval:

Fitting spacer rings voids the general type approval for the vehicle. It is therefore essential within the scope of the StVZO (Motor Vehicle Construction and Use Regulation), to have the conversion inspected and approved in accordance with §19.3 StVZO by an expert organization immediately after conversion. You can download the parts specification necessary for inspection and approval from the Internet under "www.eibach.com". Alternatively, you can request the parts specification by fax or post on telephone number +49 (0) 2721 / 511-342.

During inspection and approval, the modifications must either be entered in the vehicle papers, or a form is issued in accordance with §19.3, which must be kept in the vehicle at all times.

If another wheel / tyre combination is used than that specified in the parts specification, an individual approval will be required in accordance with §21 StVZO (see also parts specification).

The use of **Pro-Spacers** spacers on vehicles with matching pitch circle and center alignment, for which no parts specification is available, is technically possible, but not permitted within the scope of the StVZO. Such an application is strongly discouraged by Eibach and occurs on principle at the user's own risk.