



**SEW**  
**EURODRIVE**

## Addendum to the Operating Instructions



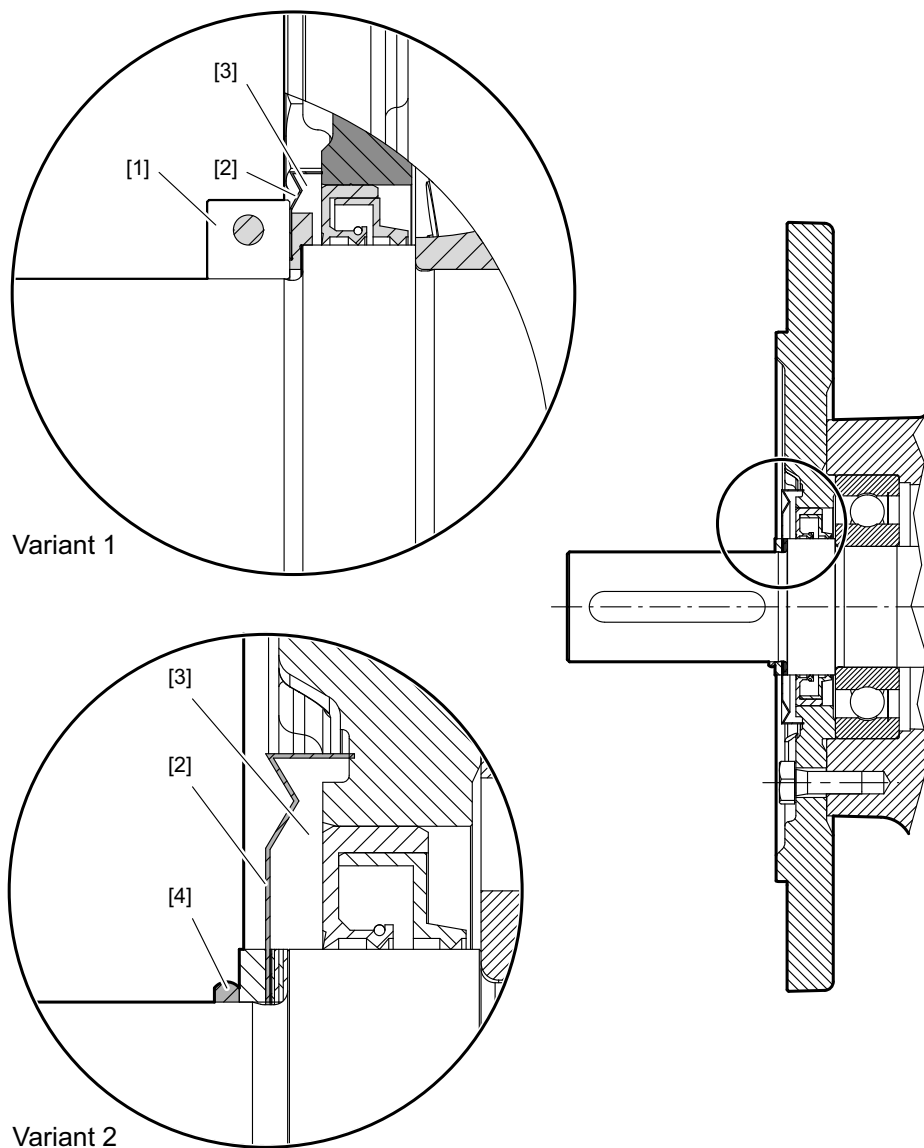
Dust-Proof Sealing System for Protection of the Output End Oil Seal  
**Gear Units**

Gear Unit Series R..7, F..7, K..7, K..9, S..7, SPIROPLAN® W

# 1 Dust-proof sealing system for protection of the output end oil seal

## 1.1 Function

The following figure shows a standard oil seal with additional shield ring at the output end.



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[1] Clamping ring  
[2] Shield ring

[3] Grease  
[4] O-ring

Before the oil seal is mounted, a shield ring [2] is attached that will grind itself in flange or housing during operation. The hollow space [3] between shield ring and oil seal is filled with bearing grease (Fuchs Renolit CX TOM 15). The shield ring and grease protect the oil seal of coarse dust and dirt particles.

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The shield ring must be axially preloaded so that it can grind itself in. There are 2 variants:

- Variant 1: Preload via clamping ring

The clamping ring [1] generates an axial preload.

- Variant 2: Preload via customer's element

The customer's element generates the axial preload. If no sufficient space is available at the shaft for the clamping ring, the customer's element must be mounted to the stop, to generate the preload. For delivery, the shield ring is secured by an O-ring [4].

## INFORMATION



The O-ring must be removed before the customer application is mounted.

## 1.2 Technical data

### 1.2.1 Sealing and rolling bearing grease

The table shows the lubricant recommended by SEW-EURODRIVE for operating temperatures from  $-40\text{ °C}$  to  $+80\text{ °C}$ :

Manufacturer	Grease
Fuchs	Renolit CX TOM 15 OEM

## INFORMATION



If a customer uses a grease that is not listed in the above table, the customer has to make sure that it is suitable for the intended application.



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