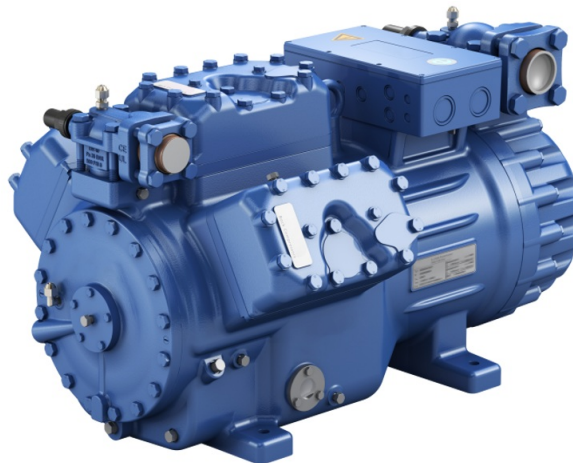


# Danfoss HG and HA Compressors Installation Guide

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## Danfoss HG and HA Compressors Installation Guide



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## Safety Instructions

- Only skilled personnel are allowed to work on the refrigerant compressors.
- The local safety and accident prevention regulations, as well as the requisite technical rules, must be observed

**Points to be observed before working on the compressor or unit:**

- Switch off the machine and safeguard it from being inadvertently switched on again.
- Disconnect the power supply line and motor cable.
- Relieve the machine from the system pressure.
- Please use original Bock spare parts exclusively.

#### **After maintenance work has been completed:**

- Connect up the safety switch and check functions.
- Evacuate the compressor (plant).
- Before starting up the compressor check that all components fitted by the user have been fitted correctly to the compressor and are compression proof (e.g. pipelines, plugs, union nuts, replaced components etc.)
- Open the shut-off valves (suction, pressure and liquid valves).
- Reconnect the power supply line and motor cable.
- Lift the switch-on safeguard.

### **General**

These installation instructions describe the main procedure involved for installation the bearing bush to the main bearing/oil pump in Bock compressors HG(HA) 4, 5 and 6.

#### **Scope of delivery**

#### **Assembly kit no. 097B80175, HG(HA)4 and 5**

(journal box for rear main bearing)

The kit contains two bearing bushes:

1. Version with collar, Joint diameter 65 mm
2. Version without collar, Outside diameter 55 mm

#### **Description**

Item	Piece	ref.no	Description
1	1	097B06835	Bearing bush with collar
2	1	097B50262	Bearing bush without collar
3	1	097B09728	Installation instructions for bearing

**\* Please note that the legacy BOCK ref. numbers are without 097B**

#### **Assembly kit no. 097B80176, HG(HA)6 (journal box for rear main bearing)**

### The kit contains two bearing bushes:

1. Version Ø 60 mm (until 05/2010)
2. Version Ø 55 mm (since 06/2010)

Item	Piece	ref.no	Description
1	1	097B06579	Bearing bush Ø 60 mm
2	1	097B50298	Bearing bush Ø 55 mm
3	1	097B09728	Installation instructions f or bearing

Please note that the legacy BOCK ref. numbers are without 097B

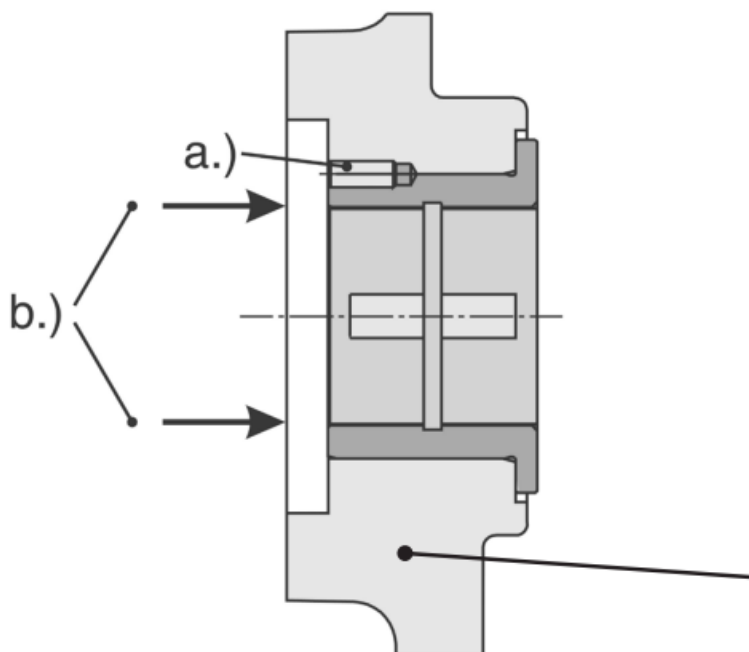
### Installation instructions

#### Assembly kit no. 097B80175

#### Extraction

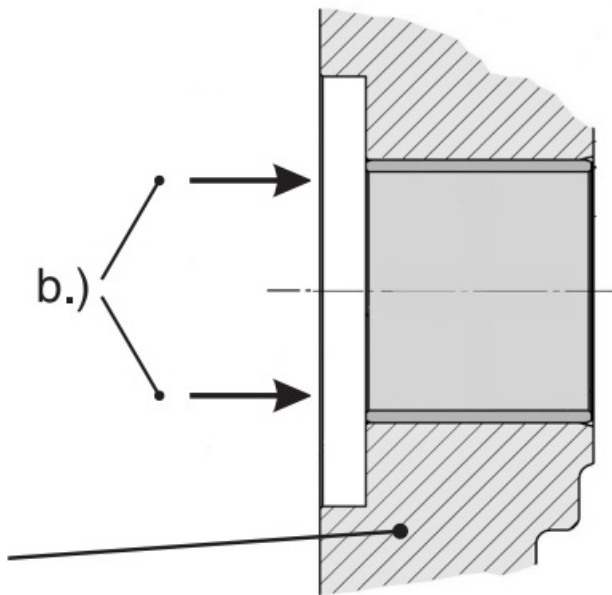
- a) Unscrew the setscrew (if available)
- b.) Force bearing bush out

#### Version with collar



#### Compressor housing Oil pump side

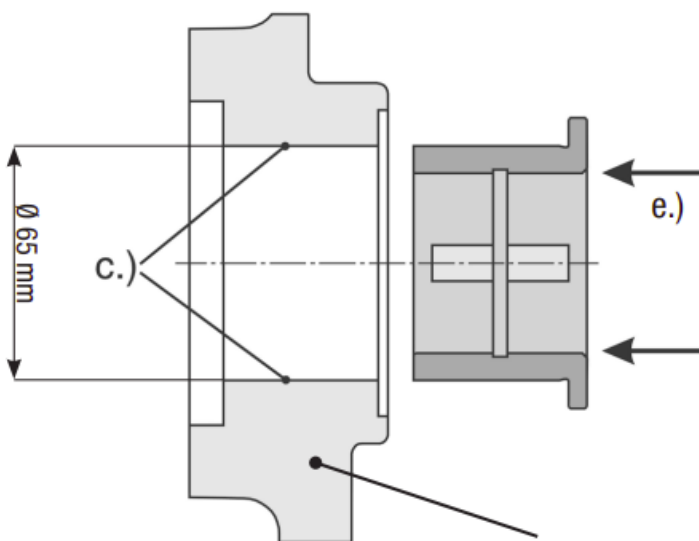
#### Version without collar



### Insertion

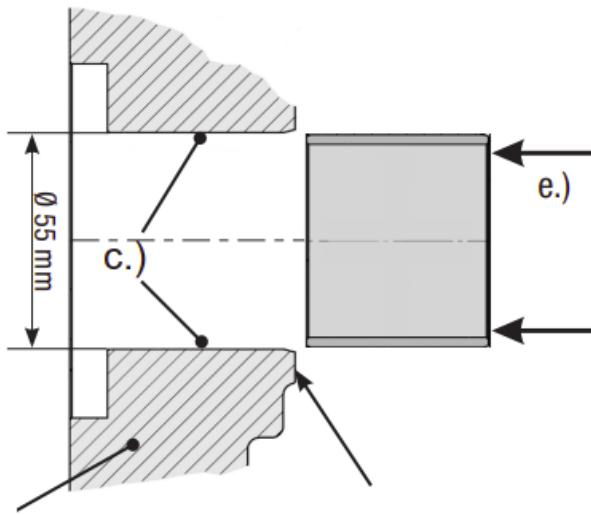
- c) Oil the bore.
- d.) Align the bearing bush, paying attention to the position of the butt joint!
- e.) Force-fit evenly up to the stop (version with collar) or flush with the contact surface (version without collar).

### Version with collar



Compressor housing Oil pump side

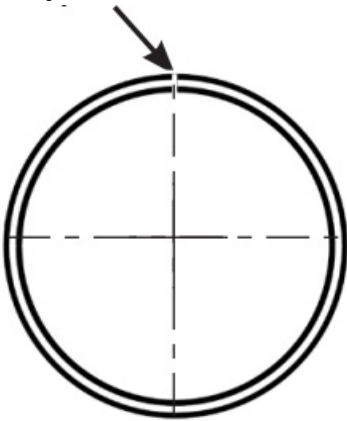
### Version without collar



**Contact surface**

**Installation location:**

**Butt joint in the „12 o'clock“ position**

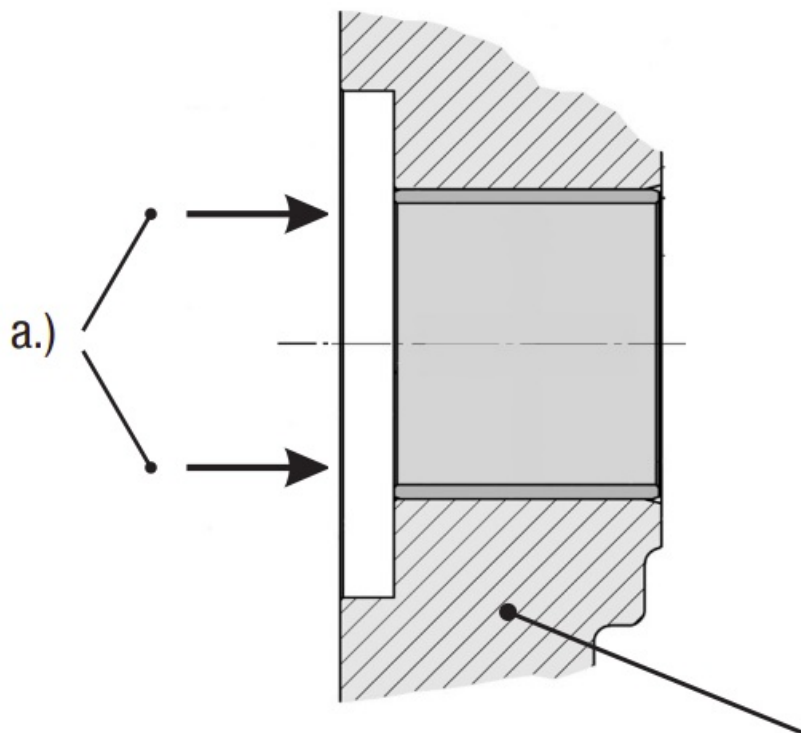


**Assembly kit no. 097B80176**

**Extraction**

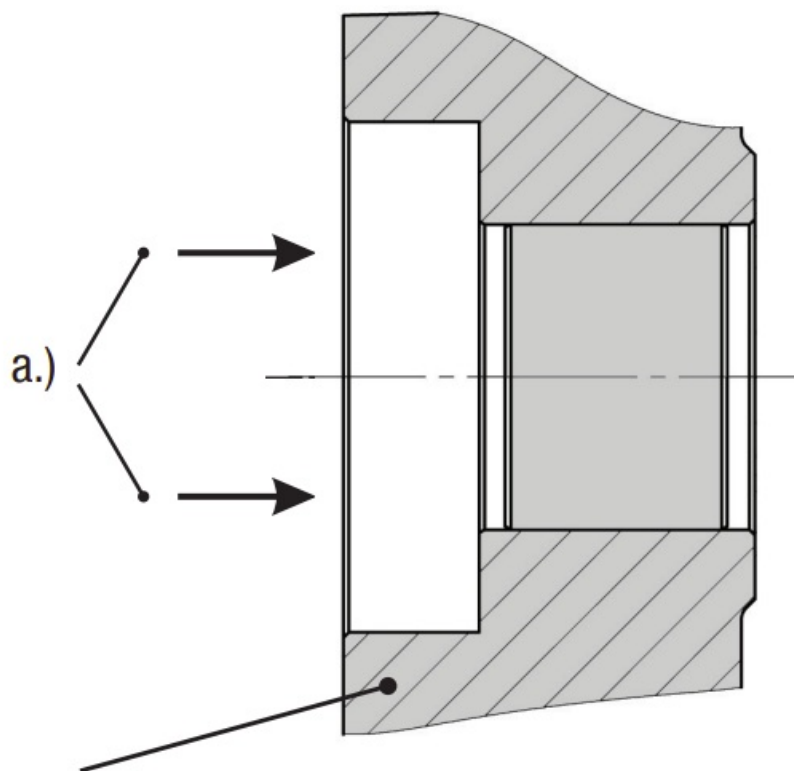
- a.) Force bearing bush out

**Version Ø 60 mm**



**Compressor housing Oil pump side**

Version Ø 55 mm



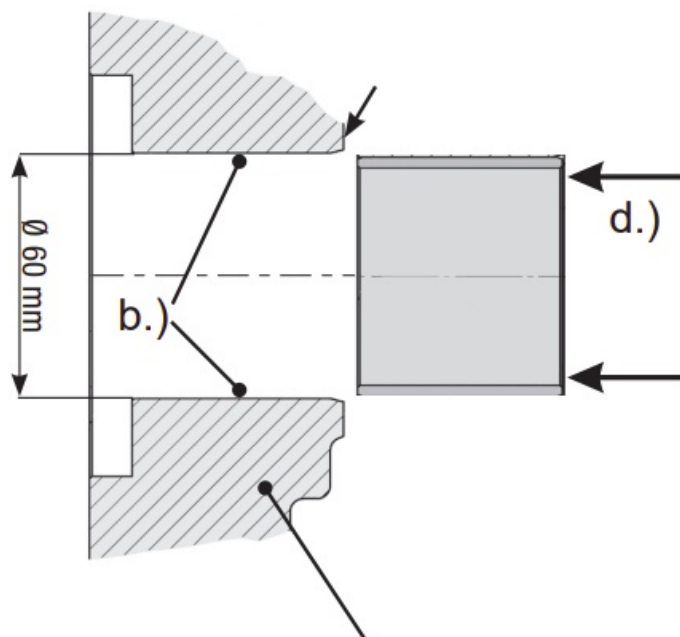
### Insertion

- b.) Oil the bore.
- c.) Align the bearing bush, paying attention to the position of the butt joint!
- d.) Force-fit evenly

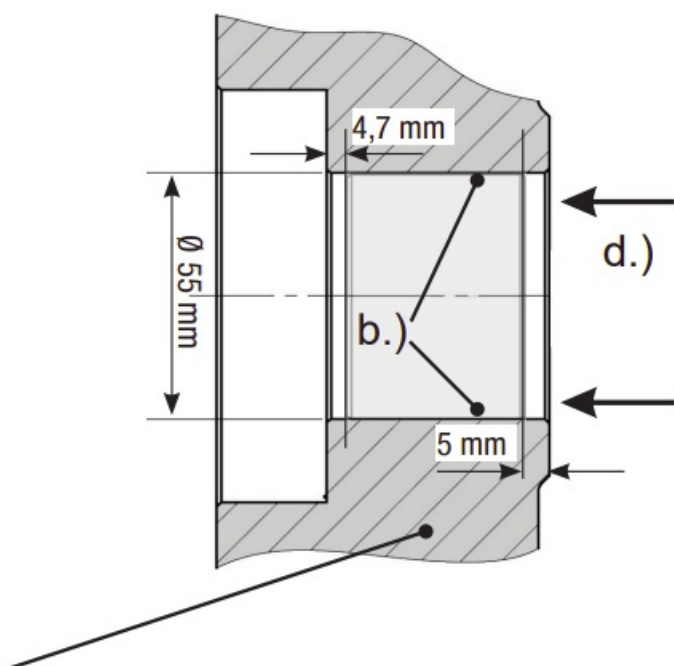
Version Ø 60 mm: up to the stop

Version Ø 55 mm: see measures in fig

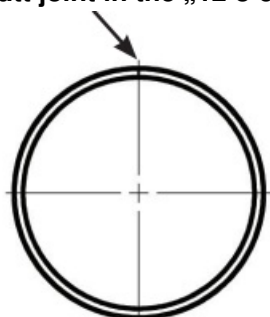
## Contact surface



## Compressor housing Oil pump side



## Installation location: Butt joint in the „12 o'clock“ position



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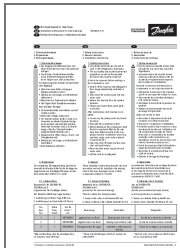
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## Documents / Resources



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HG and HA Compressors, HA Compressors, Compressors

## References

- [IIS7](#)
- [User Manual](#)

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