



The **damping ring** serves for separation of structure-borne noise between bellhousing and pump.

General Hints

Please read through these mounting instructions carefully before you assemble the damping ring. Please pay special attention to the safety instructions!

The mounting instructions are part of your product. Please keep them carefully and close to the damping ring.

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Safety and Advice Hints



DANGER !

Danger of injury to persons.



CAUTION !

Damages on the machine possible.



ATTENTION !

Pointing to important items.

General Hints to Danger



DANGER !

With assembly and disassembly of the damping ring it has to be made sure that the entire drive train is protected against unintentional engagement. You can be seriously hurt by rotating parts. Please make absolutely sure to read through and observe the following safety instructions.

- All operations on and with the damping ring have to be performed taking into account "safety first".
- Please make sure to disengage the power pack before you perform your work at the damping ring.
- Protect the power pack against unintentional engagement, e. g. by providing hints at the place of engagement or removing the fuse for current supply.
- Do not touch the operation area of the machine as long as it is in operation.
- Please protect the rotating drive parts against unintentional touch. Please provide for the necessary protection devices and caps.

Proper Use

You may only assemble and disassemble the damping ring if you

- have carefully read through the mounting instructions and understood them
- and if you are authorized and have proper skills

The damping ring may only be used in accordance with the technical data (see hydraulic components catalogue). Unauthorized modifications on the damping ring design are not admissible. We do not take any warranty for resulting damages. To further develop the product we reserve the right for technical modifications.

The **damping ring** described in here corresponds to the technical status at the time of printing of these mounting instructions.

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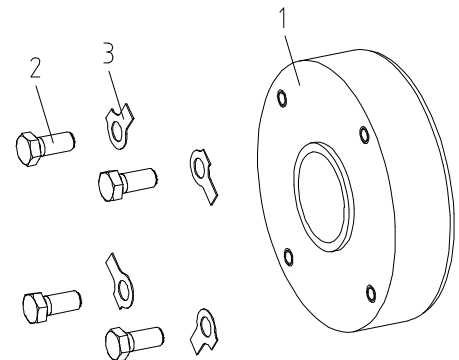
The damping ring is generally supplied ready for assembly.

Components of Damping Ring

Component	Quantity	Designation
1	1	damping ring (design D, locked)
2 ¹⁾	4 / 8 ²⁾	hexagon head cap screws DIN 933
3 ¹⁾	4 / 8 ²⁾	disk with taps DIN 463

1) Only in connection with bellhousing hexagon head cap screws and disks with tabs belong to the scope of delivery.

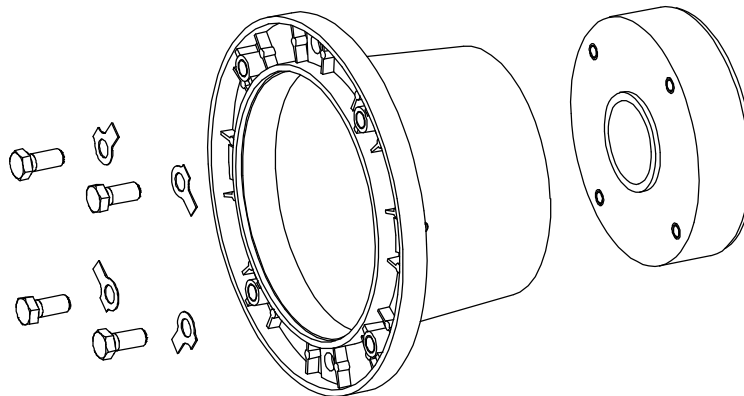
2) in case of size D150 - D330 and D84 a quantity of 4,
in case of size D125 - D145 a quantity of 8



picture 1: damping ring

Assembly Bellhousing with Damping Ring

- The damping ring is put onto the bellhousing and screwed (see picture 2).
- The screw lengths must be selected in such a way that, if possible, the complete length of the thread in the damping ring is used. Please look into table 1 regarding the screw tightening torques.



picture 2: assembly bellhousing with damping ring

Table 1:

hexagon head cap screws DIN 933 ¹⁾	M8	M10	M12	M16	M20
tightening torque	12 Nm	23 Nm	60 Nm	100 Nm	190 Nm

1) min. property class 8.8



ATTENTION !

The screws must be secured by using disks with tabs according to DIN 463.



CAUTION !

When using oil, the moulded-on sealing lips to the bellhousing side must be checked regarding damage before assembling the damping ring.



Technical Hints

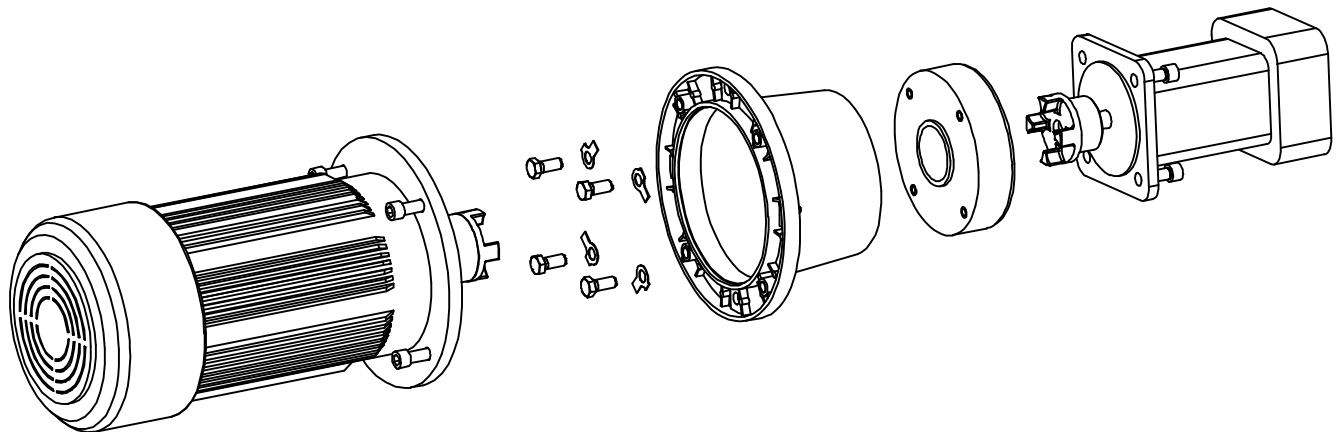


ATTENTION !

Permissible weights, temperature ranges as well as technical dimensions see catalogue „Hydraulic Components“.

Further Information

Assembly of the bellhousing-damping ring combination with the electric motor and pump see KTR-N 41010 „Mounting instructions bellhousing“ (see picture 3).



picture 3: combination bellhousing - damping ring with electric motor and pump



CAUTION !

The user is responsible for the sealing between damping ring and pump!

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