



HEIDENHAIN

Austauschanleitung

LC 4x5 als Ersatz für LC 4x3

Replacing Instructions

LC 4x5 as a Replacement for LC 4x3

Notice de remplacement

LC 4x5 en remplacement de la LC 4x3



1/2019

Replacing Instructions

LC 4x5 as a Replacement for LC 4x3

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Meaning of the symbols used in these instructions

Safety precautions

Comply with all safety precautions indicated in these Replacing Instructions and in your machine tool builder's documentation.

The safety precautions have the following structure:

- **Signal word**
- **Type of hazard**
- **Consequence of non-compliance**
- **Instruction for avoidance of hazards**

<i>NOTICE</i>
Danger of collision! If you ..., then ... ▶ Safe position ...

In these instructions, you will find the following safety precautions:

WARNING

Warning indicates hazards for persons. If you do not follow the avoidance instructions, the hazard **could result in death or serious injury**.

When you replace an LC 4x3 with its service successor LC 4x5, observe the mechanical differences described below.

 **WARNING**

Improper execution of maintenance work by staff not trained appropriately

Personal injury or property damage

Replacement is to be conducted by a specialist for electrical and mechanical systems under compliance with local safety regulations.

Mechanical mounting

Reduced height

In comparison with the LC 4x3, the height of the scanning unit of the LC 4x5 has been reduced from 25 mm to 13 mm. It is now equal to the height of the LS 400.

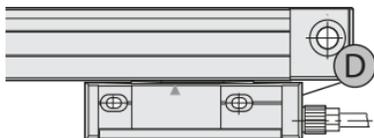
The housing dimensions and the position of the mounting holes of the scanning unit remain identical to the LC 4x3 so that the LC 4x5 can be mounted unaltered to existing geometries.

Compressed-air inlet on the opposite side

The compressed air inlet (D) had to be displaced to the opposite side of the scanning unit as the overall height was reduced.



LC 4x5



LC 4x3

The connection for the pressure tubing can be rotated by 180° to its original direction by means of the adapter piece ID 630380-01.



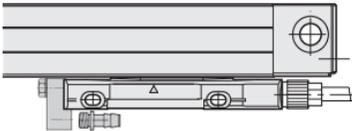
180° adapter
ID 630380-01

The adapter piece does not have an integrated throttle. An additional connecting piece with throttle ID 275239-01 must be used.



Connecting piece with throttle
ID 275239-01

Also with adapter, the height of the LC 4x5 scanning unit remains within the dimensions of the LC 4x3; the length of the scanning unit merely increases by 12 mm.



LC 4x5 with 180° adapter and connecting piece