

definition of the X-dimension:

X-dimension use:

The X-dimension is the length specification for the order-related production of the latch bolt.

scope:

this instruction applies to the following door lock systems:
DL(F), DL(F)MO, EL(F), CL(F), CL(F)MO

measuring equipment:

A tape measure or similar measuring tools are sufficient.

tolerances:

X-dimension tolerance DL(F) and EL(F): $X + 1.5$ mm
X-dimension tolerance CL(F): $X + 2 / -1$ mm

minimum length X-dimension:

the X-dimension must not be shorter than the following lengths:
• door interlocks without oiled felt ring and holder: 5 mm
• door interlocks with oiled felt ring and holder: 14 mm

maximum length X-dimension:

the X-dimension must not exceed the following lengths:
• DL(F), EL(F): 90 mm
• DL(F)MO: 60 mm
• CL(F), CL(F)MO: 35 mm

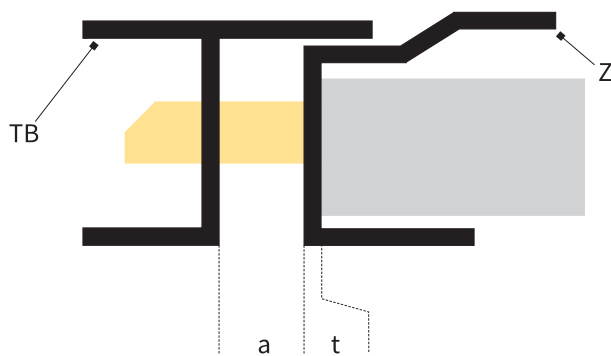
measuring at door interlock installed:

If possible, we recommend to take the measurements at door interlock installed.
You will find these two variants of the installation on site:

installation without support

proceeding:

1. Measure the distance (a) between the door leaf (TB) and the frame (Z).
2. Measure the thickness (t) of the frame sheet.

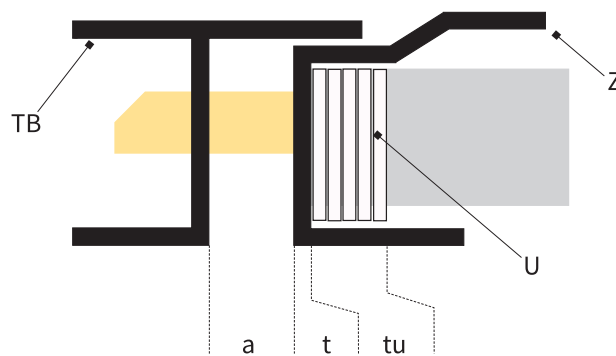


$X\text{-dimension} = a + t$

installation with support

proceeding:

1. Measure the distance (a) between the door leaf (TB) and the frame (Z).
2. Measure the thickness (t) of the frame sheet.
3. Measure the thickness (tu) of the support (U).



$X\text{-dimension} = a + t + tu$

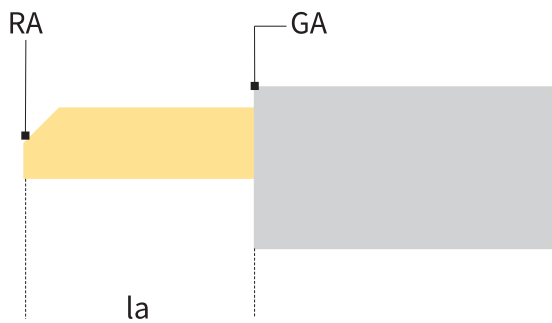
measuring at door interlock uninstalled:

at uninstalled door interlock you can determine the X-dimension in two ways:

The latch bolt is extended.

note: Ensure that the faulty closure device is cancelled at the door interlocks DLF, ELF and CLF.

proceeding: Measure the length (la) from the top edge of the latch bolt (RA) to the outside of the housing (GA).



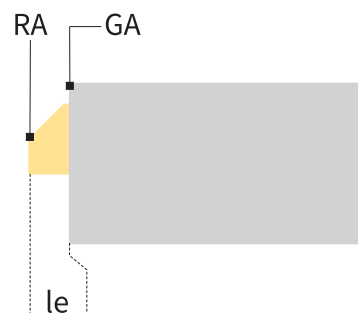
For the DL(F)- and EL(F) types applies:
X-dimension = la - 20 mm

For the CL(F) applies:
X-dimension = la - 14.5 mm

The latch bolt is in the unlocking position.

note: Ensure that the latch bolt is pushed in completely.

proceeding: Measure the length (le) from the top edge of the latch bolt (RA) to the outside of the housing (GA).



For the DL(F)- and EL(F) types applies:
X-dimension = le + 5 mm

For the CL(F) applies:
X-dimension = le + 3.5 mm

note: Within a lift installation different X-dimensions can occur.

If several or all door interlocks at a lift installation are replaced, please check the X-dimension at the doors concerned!