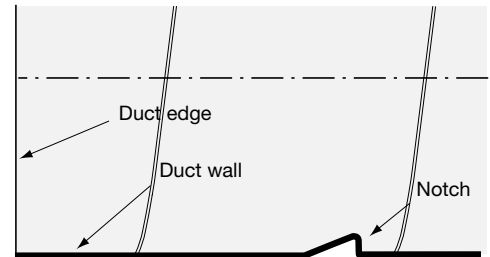


# To check the notch

All of the following conditions shall be valid:

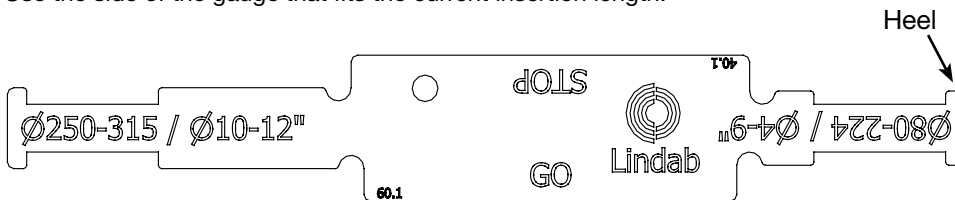
1. The notch shall be at the correct distance.
2. The notch shall be of the correct height.
3. The notch shall be of the correct shape.
4. The notch shall be airtight. I.e. it shall not pass through the duct wall nor have any cracks.
5. The notch shall be made at a suitable part of the duct. I.e. it shall not be made in the fold. Also avoid, if possible, to make the notch in any of the stiffening swages at  $\varnothing$  250 - 315.



The distance and the height shall be checked at the inside of the duct and with help of the gauge.

## Gauge

Use the side of the gauge that fits the current insertion length.



Ducts  $\varnothing$  250–315 have long insertion length.

Ducts  $\varnothing$  80–224 have short insertion length.

## 1. To check the distance of the notch

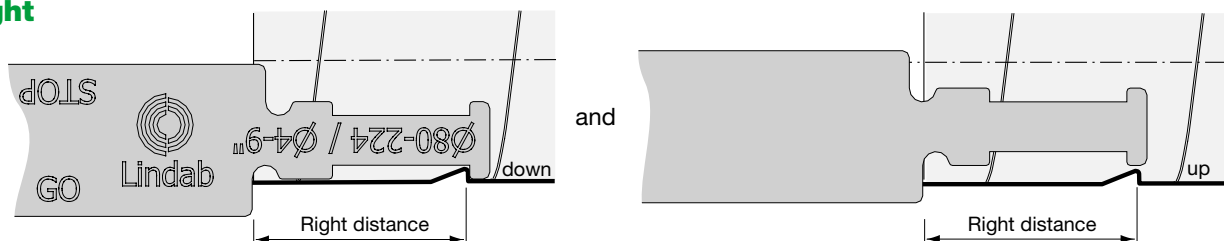
**The distance** extends from the edge of the duct to the far steep end of the notch. Both sides of the gauge shall be used. They are marked GO and STOP. Both of the following gauge conditions shall be valid;

- 1.1 The heel of the GO side shall pass the notch.

**AND**

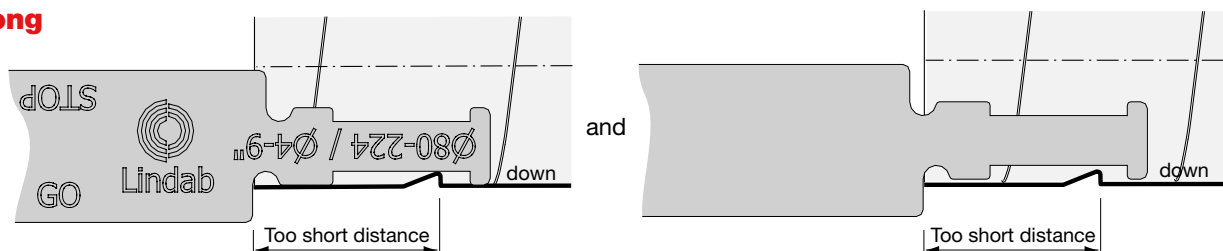
- 1.2 The heel of the STOP side shall land on the top of the notch. (It shall not pass the notch.)

## Right



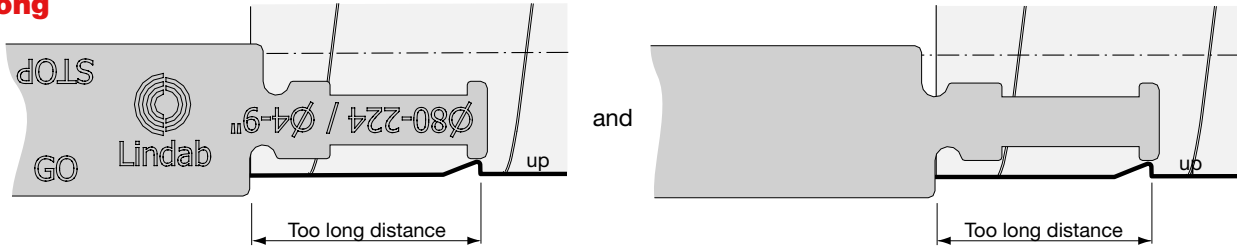
If both heels of the gauge pass the far end of the notch the distance is too short.

## Wrong



If both heels of the gauge land on top of the notch the distance is too long.

**Wrong**

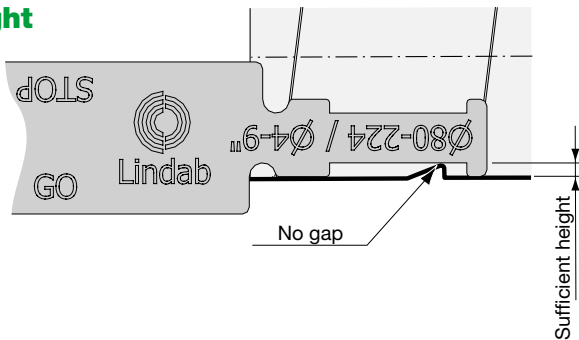


## 2. To check the height of the notch

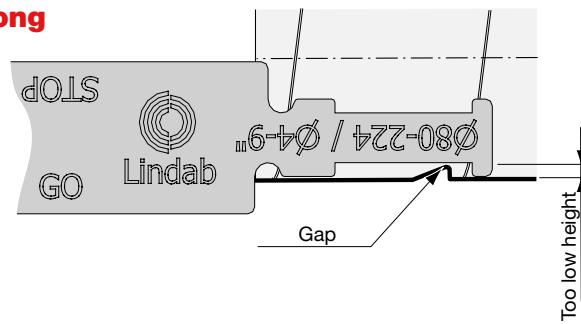
**The height** extends from the inner wall of the duct to the top of the notch. Only the gauge side marked GO shall be used. The following gauge condition shall be valid;

- 2.1 The long recessed part of the GO side shall land on the top of the notch. (It shall not be any gap between the gauge and the top of the notch.)

**Right**



**Wrong**



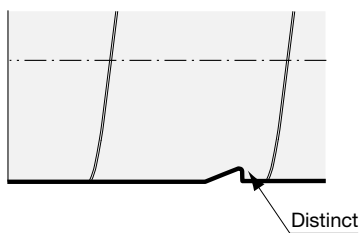
If a gap exists the height is too low.

NOTE! If the distance from the edge of the duct to the notch is too long is it not possible to check the height since the heel then always lands on the top of the notch.

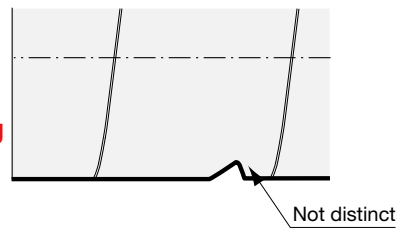
## 3. To check the shape of the far steep end of the notch

**The shape** of the far steep end of the notch shall be distinct. It shall be able to catch the turned-over edge of the fittings.

**Right**



**Wrong**



This can be checked by feeling with a finger nail on the inside of the duct or by locking at the outside. An other way is to make a test notch in piece of sheet metal with the same thickness and check whether it catches on to a fitting.

## 4. To check the tightness of the notch

**The tightness** shall be one hundred per cent. The notch shall not cut through the duct wall nor show any cracks.

This can be checked by, against a source of light, try to see through the notch from different angles. No light shall be seen passing through.