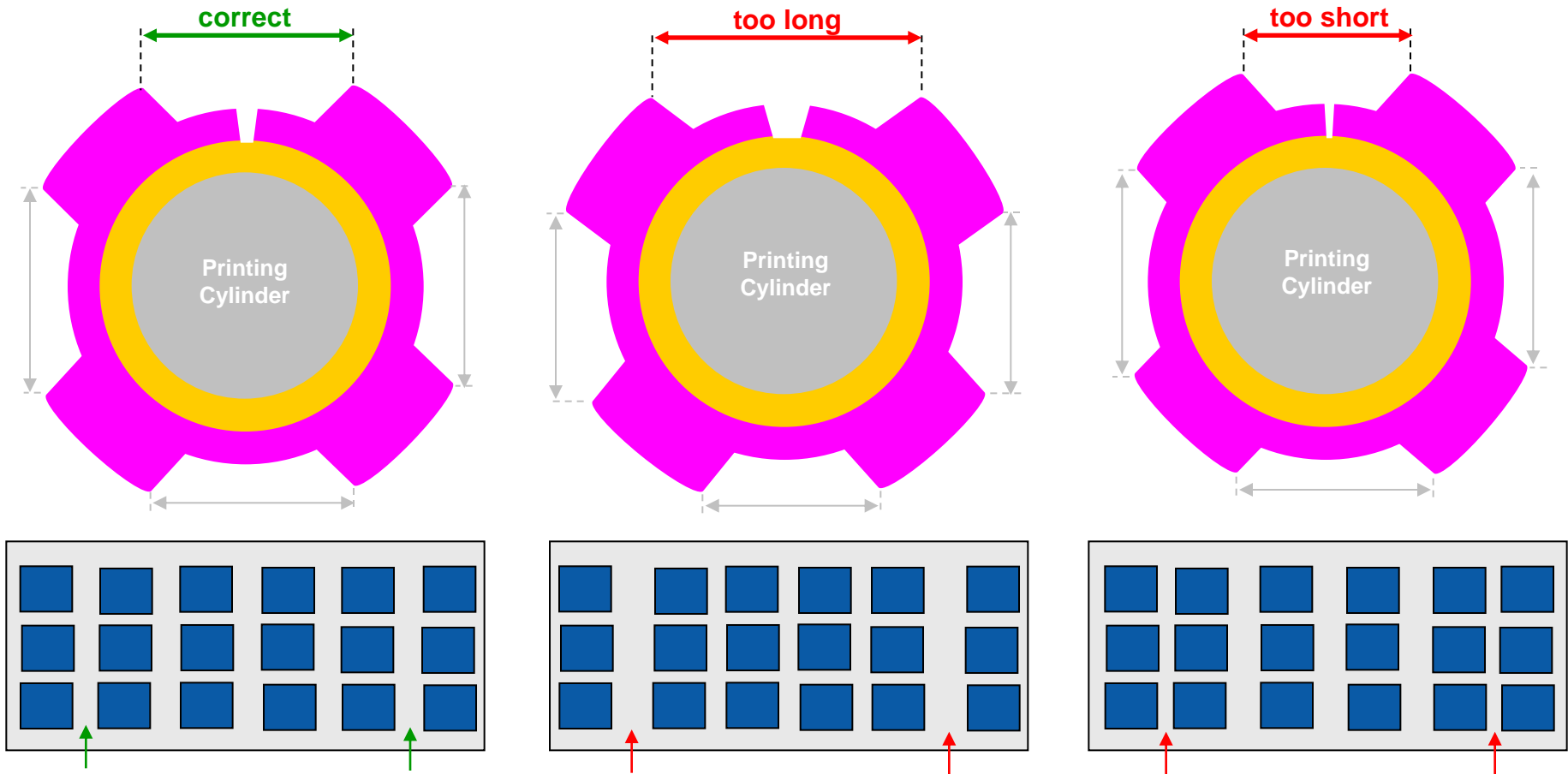




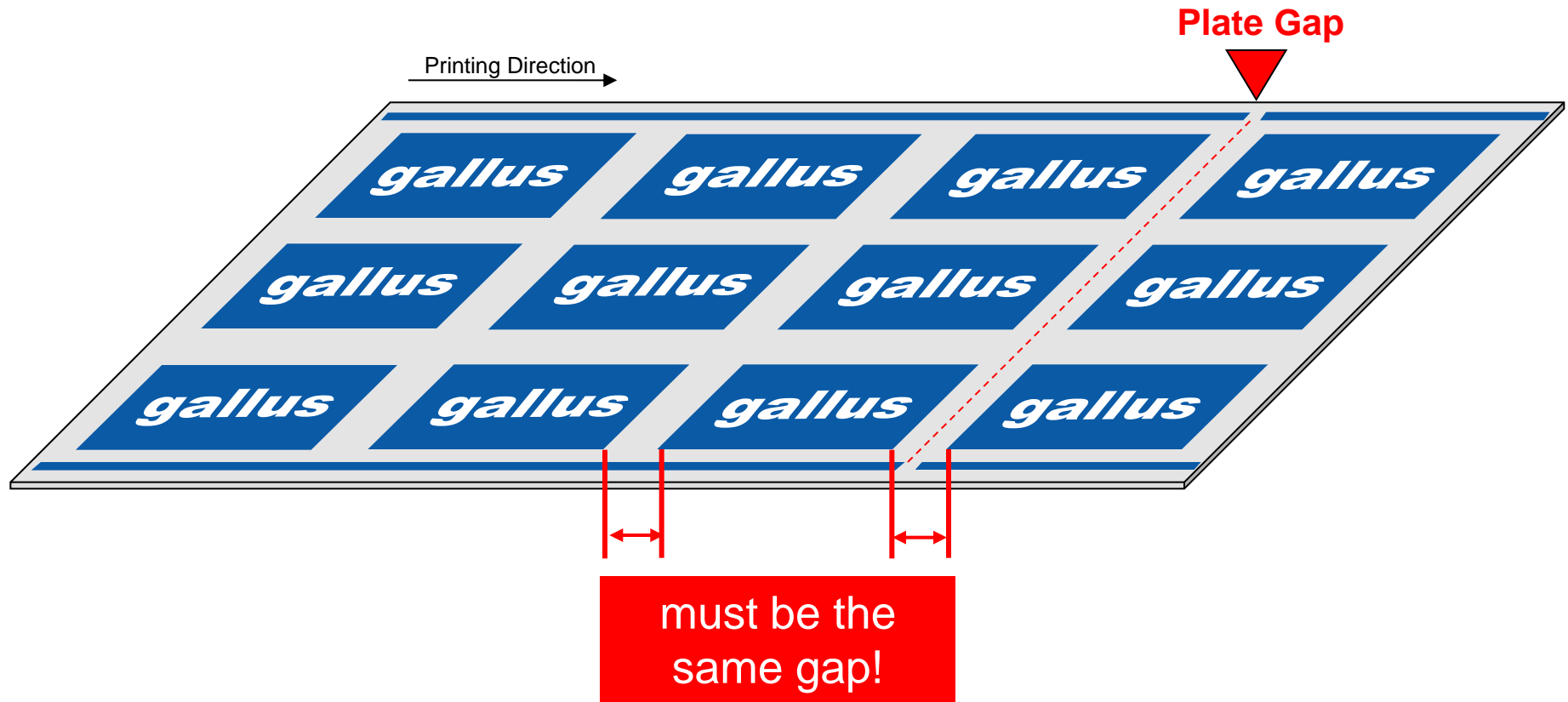
The result of a wrong plate distortion are different printing lengths between different processes as screen printing, die cutting, hotfoiling, etc and is well visible as a constant misregister within a printed format.



A correct distortion factor leads to a correct plate length and as a result identical clearances between the labels, especially over the printing plate gap.
= Correct label disposition!

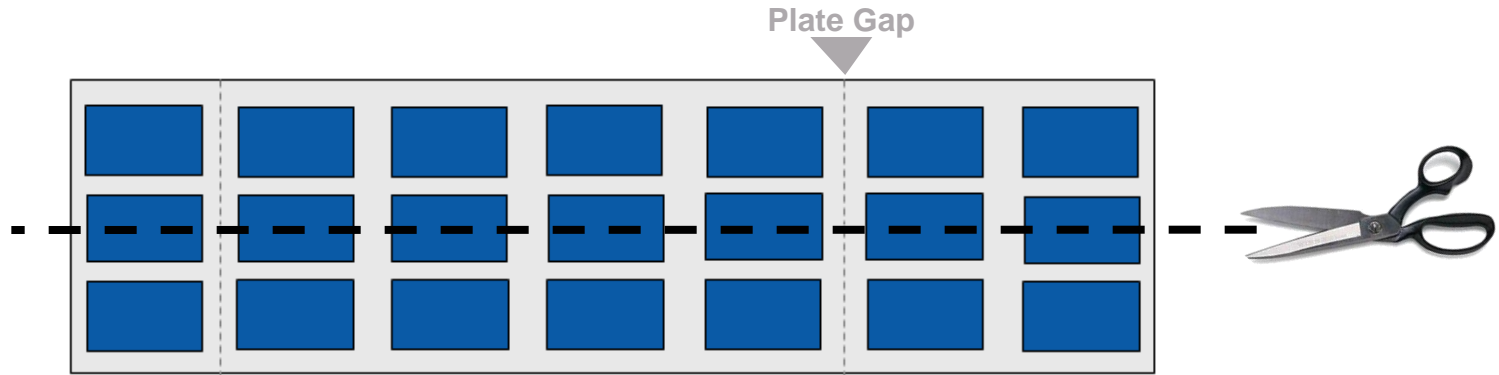
An increased distortion factor leads to shorter printing plates, and as a result a too long clearance between the labels over the printing plate gap.
= Wrong label disposition!

A decreased distortion factor leads to longer printing plates, and as a result a too short clearance between the labels over the printing plate gap.
= Wrong label disposition!

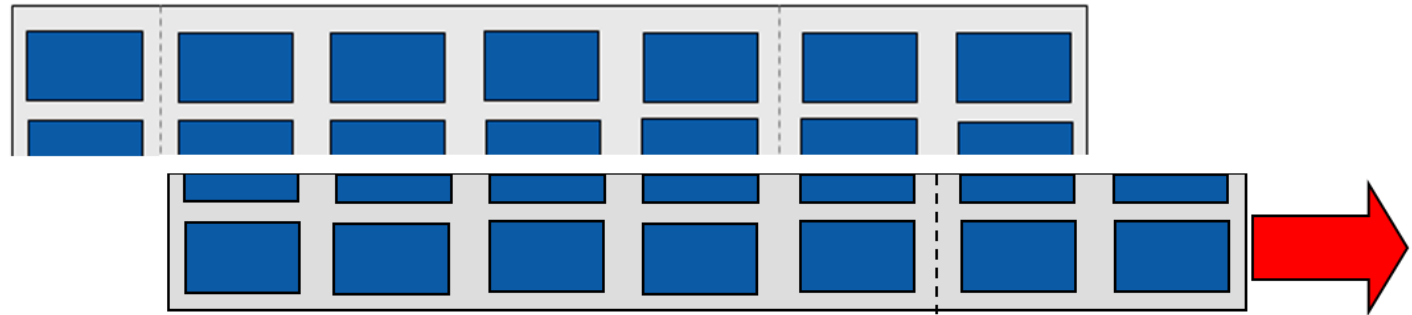


- Plate Gap is smaller** = Printing plate is too long
- Plate Gap is bigger** = Printing plate is too short
- Plate Gap is same** = Plate length & distortion factor is OK

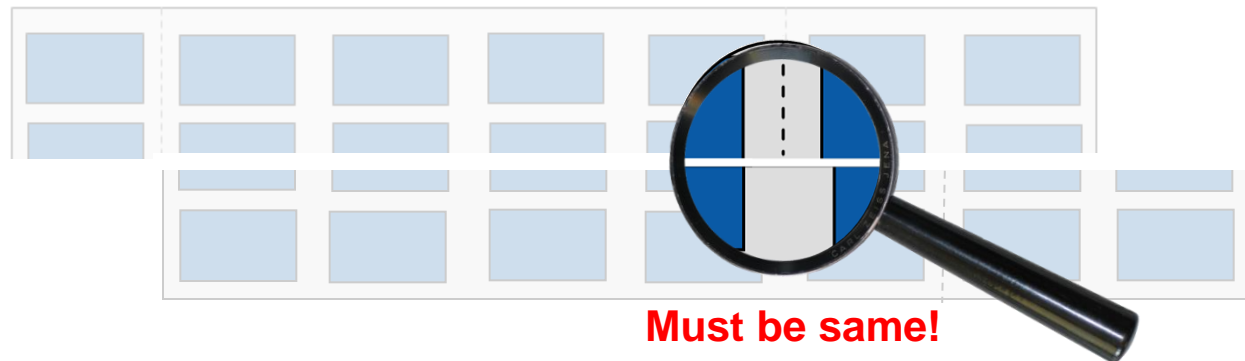
1.



2.



3.



The distortion value depends on several factors such as plate type, mounting tape and printing cylinder. Independent of the format size, the distortion values in the length are always constant (in the contrary, the values in % differ from one format size to another). **The values in this chart are just approximate values.** They might differ slightly. Use these values for the very first print and adjust them if necessary.

	Printing Plate 1.14mm (45 mil) Tape 0.38mm (15 mil)	Printing Plate 1.70mm (67 mil) Tape 0.38mm (15 mil)
Gallus RCS 330 / 430 Gallus EM 340 / 410 / 510 S Gallus ECS 340	- 6.4 mm (- 0.252 inch)	- 9.9 mm (- 0.3897 inch)
Gallus EM 280 Gallus EM 340 / 410 / 510	- 6.0 mm (- 0.236 inch)	- 9.4 mm (- 0.3701 inch)

 **Formatlength - Distortion Value = Length of Printing Plate** 