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Aachen, May, 23<sup>rd</sup> 2014

To all Heusch textile shearing customers

## **Don't mix concave spirals!**

### **H-Number-Rule**

Dear Heusch textile spiral customer,

Please be again reminded that Heusch strongly advises against mixing textile spirals with different H-Numbers on the same cylinder.

All spirals with identical H-numbers are made from the same steel batch. So different H-numbers are crafted from different steel batches. Hence there is a slight variation of steel properties for each H-Number. These variations are caused by the production process in the steel mills and are technically unavoidable. Even the differences are very small they are still big enough to cause problems during mounting and grinding.

Spirals with same H-numbers are twins and share the same steel properties. No matter when the spirals are shipped to you, you can rely on same performance for those twins.

When mounting a new set of spirals with different H-number than the previous you can NOT use a remaining old spiral as reference spiral for mounting the new spirals. For those cases you have to remove ALL old spirals before attaching the new ones.

Each set of H-number spirals needs new calibration on the cylinder new. They cannot share same calibration with different H-numbers.

In case of nonobservance of the H-Number-Rule you will have to face cracks on the spirals during the mounting or grinding. In those cases Heusch won't assume any liability for damages. The resulting exchange of spirals won't be covered by neither warranty nor goodwill.

Sincerely Yours

Thomas H. Schäfer

Hanns Peter Spaniol