



Innovation Award 2011

Topstitching and decorative seams – especially for the production of car seats

Product name: 867-190146

Topstitching seams with neat seam beginning, short thread trimmer and coreless bobbin hook. The 867-190146 has been tailored especially for the demands of the automotive industry.

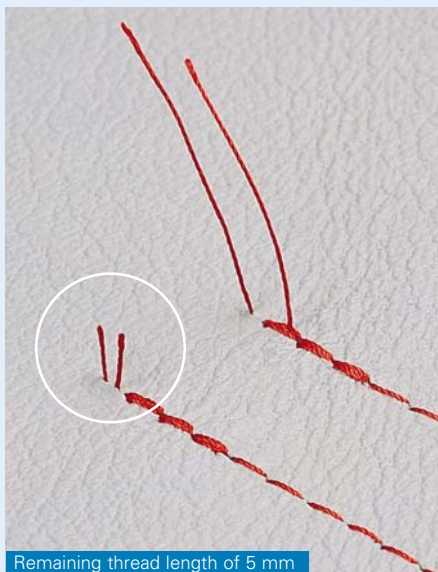
The functional modules "short thread trimmer", "thread clamp", "neat seam beginning" and "coreless bobbin hook" guarantee an excellent seam quality combined with increased productivity.



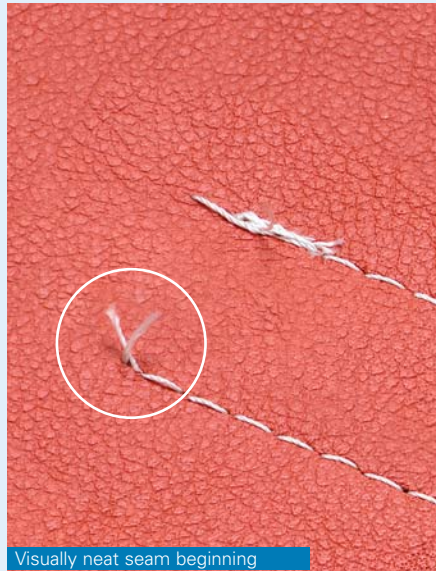
The prize-winning products will be on display
in a special show in the foyer between Halls 5.1 and 6.1.



Optimized functions for the car seat production – higher productivity by means of short remaining threads, neat seam beginning and coreless bobbin hook



Remaining thread length of 5 mm



Visually neat seam beginning



Coreless bobbin hook

Field of application

Assembly seams and decorative seams in the field of car seat covers and automotive interior. The trend towards permanently increasing quality standards in connection with more efficient production means requires special functions in the sewing technology. The 867-190146 of the M-TYPE series has been specifically designed to meet these requirements.

Innovation and customer benefit

By the combination of complex functional modules a special sewing machine with unique technical features has been created for the automotive industry. With these newly developed modules the amount of time for quality controls in the production process can be essentially reduced, while guaranteeing the process reliability required in the car seat production. At the same time the seam quality as well as the seam pattern are significantly improved and the productivity is increased.

Outstanding features

The special sewing machine has been tailored for a great variety of customary sewing threads and sewing materials as well as for a large range of stitch lengths.

The short thread trimmer, the thread clamp and the thread nipper guarantee a new standard of quality in the field of car seat production. Furthermore, the material and work expenditure is reduced by these functional modules.

Due to the module "short thread trimmer" no manual trimming of the remaining thread ends is required. The thread ends have a length of 5 mm only so that less bobbin thread is needed.

By means of the module "thread clamp" the needle thread is drawn to the underside of the fabric at the seam beginning which makes the seam pattern much more attractive.

The module "neat seam beginning" reduces the thread quantity of the backtacking at the seam beginning. The considerably smaller thread nest at the underside of the material contributes to an increased seam quality, too.

The functional module "coreless bobbin hook" makes it possible to reduce the bobbin changes nearly by half compared with the Dürkopp Adler "XXL hook". Moreover, the coreless hook allows a constant bobbin thread tension. This effect improves the seam quality simultaneously increasing the performance of the operating means.