

GUNOLD GmbH

## **Thread breakage? Unnecessary!**

Ideally, it won't even come to it

**For the embroiderer a thread break is always annoying. If the thread breaks, the embroidery machine will stop and has to be rethreaded. This is unnerving, time-consuming and interrupts the work that is currently being done. However, the lost time is by far not the only nuisance.**

The drop in productivity caused by non-operation periods is increasingly expensive, the more embroidery heads the machine has. A thread break on one head causes a complete standstill of all embroidery heads. But what is even worse is the loss of quality of the embroidered goods because of thread breaks. These are the reasons: If a thread breaks, the last embroidered stitch just before the breakage has occurred cannot be fastened properly. After rethreading, the same is true for the first stitch after the machine resumes the embroidery process. This may cause the stitches to unravel later on and may result in ugly gaps in the embroidery design. Complaints are then inevitable or even worse, the customer won't order again. Even if done correctly, by stepping back a few stitches and overlapping the stitches where the thread breakage occurred, this will be visible in the embroidery design. When embroidering a satin stitch, the area, where the stitches overlap, "only" appears to be slightly thicker but when embroidering an area with fill stitches, the overlapping stitches are inevitably visible.

### **Quality Threads - The better Choice!**

Needless to say that thread breakage may occur with any embroidery thread. But a lot of times it is caused by different reasons such as thread tension, the embroidery needle, incorrect framing of the fabric or, last but not least, by the embroidery program that has to be digitized adequately to the specific design, the fabric and the embroidery thread. The truth of the matter is that high quality threads or rather premium embroidery threads without any doubt decrease the chance that a thread break will occur. High-quality embroidery threads such as SULKY or POLY made by GUNOLD are made of high quality raw materials (e.g.: ENKA viscose for SULKY, EU-polyester for POLY). Lubricants, applied to the embroidery thread as a coating ensure smooth running of the thread throughout the whole thread pass. Even if you cannot see, feel or smell the lubricants, taking into consideration the different raw materials and colours, the right amount of lubricants is individually applied to each thread. It goes without saying that premium threads stand for consistently high breaking strength and colour fastness, as well as for a low tolerance in colour deviation and the identical thread size in all colours and dye batches of a particular thread type. Last but not least premium embroidery threads are typically available for immediate shipment in all colours of the colour card.

Embroiderers who count on cheap threads, produced predominantly in the Far East, give up this security of high quality embroidery threads, resulting in changing breaking strengths and thread colours as well as fluctuations of thread sizes within the same thread quality. Even the use of lubricants is not guaranteed, resulting in thread breaks and an uneven appearance of the embroidery design. But first and foremost, laboratory tests clearly show that producers of cheap embroidery threads use inferior raw materials to save money.

## **Cleverly calculated: A cheap thread almost always leads to production loss and loss of quality**

By using a 20% cheaper thread on a 4 head embroidery machine, an additional thread break per machine hour means a loss of production of about Euro 0,60. This may even add up to Euro 4,50 if a 12 head machine is used instead. Machine downtime results in greater losses of productivity the more heads an embroidery machine has. The loss of productivity will increase exponentially. Therefore an assumed reduction of cost by using a cheap thread could lead to dramatic losses of production. To be on the safe side, it is therefore advisable to use high quality embroidery threads right from the start. The embroidery threads SULKY, POLY, COTTY, FILAINE, METY as well as FLUOR and SOLAR by GUNOLD are made from high quality raw materials and are finished by applying up-to-date twisting and dyeing technologies. SULKY is available in 390 different colours and impresses with its softness, delicateness and sheen. For embroideries on jeans, work wear garments or sportswear, POLY is the perfect choice, available in over 300 different colours. Especially for outdoor fashion or a more natural look COTTY, is the perfect choice. It comes in 123 different colours. FILAINE, available in 70 different colours, is the perfect thread for rustic embroideries with a typical needlework look. This opens the doors to unlimited possibilities for eye catching embroideries, even to the point of reflecting designs embroidered with FLUOR or SOLAR. For many years now, notable embroiderers and apparel manufacturers have trusted the embroidery threads made by GUNOLD for a good reason. For them, quality, diversity of colours and excellent runnability are the key factors. They acknowledge that premium embroidery threads are the better choice!

### **When buying quality embroidery threads, you can be assured**

- that the thread quality stays the same for each order
- that there are almost no colour deviations
- that only premium raw materials are being used
- that technically mature lubrication techniques lead to the best possible runnability
- that all colours are available for immediate shipment in all colours of the colour card

### **When buying cheap embroidery threads you should know**

- that not all the shipments will be in the same quality
- that there can be huge colour deviations from one order to the next
- that colours ordered according to the colour cards won't be the same as shown
- that often inferior raw materials are being used
- that insufficient or non-existent lubrication of embroidery threads lead to inadequate runnability
- that there may be backlogs, especially for colours that are not in high demand

**Embroidered with SULKY by GUNOLD**



**Pictures 1 – Overlapping stitches are clearly visible**



**Picture 2 Quality embroidery without any thread breaks**