



# Long service life thanks to dur™ technology

Further development of the Groz-Beckert sock needle for use under high stress

# GROZ-BECKERT

## Groz-Beckert KG

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### Application

The complex production of socks calls for needles and system parts that provide maximum reliability and performance. Groz-Beckert develops and produces the corresponding products in coordination with leading machine builders. These high-quality products usually cover the primary customer requirements.

Special applications, however, often require needles and system parts that are specifically designed to meet such increased requirements without compromising the efficiency of the knitting machine or knitting tools. For such applications Groz-Beckert developed the dur™ technology in order to reduce needle consumption and increase productivity.

### Technical features:

- Increased hook stability
- Increased latch stability
- Modified slot design



### Advantages:

- Less hook breakage
- Less bent open hooks
- Less bent latches
- Smooth latch movement even with slightly bent latches

### Benefits:

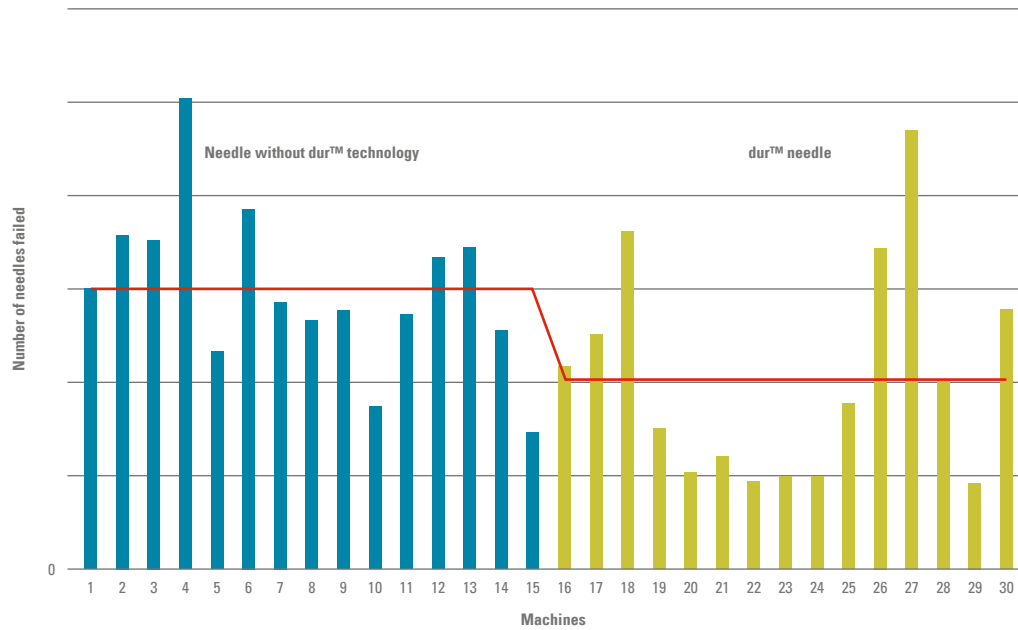
- Reduced needle consumption
- Reduced machine downtime
- Increased productivity
- Less rejects
- Lower production costs

Sock needles with dur™ technology can be identified by the supplement **dur™** in the needle designation.



## Benefits of dur™ technology

Needle consumption in comparison



In different field tests, a reduction in needle consumption of up to 30 % was achieved with dur™ technology.

The following images show different knitting errors:



Knitting error caused by a broken needle



Tuck stitches caused by a bent needle latch



Needle lines caused by a stiff latch

dur™ needles can help to reduce different kinds of knitting faults.