

Fine reeds

For the production of fabrics with exceptionally high density, a homogeneous structure and long-term stable properties – for maximum quality and process reliability

Consistently high quality

The precisely manufactured reeds ensure a uniform weft pattern, reduce friction, and minimize deformation throughout the entire processing operation. The result: consistently high fabric quality over long production runs – regardless of whether yarns or wires are used.

Reduced wear and extended service life

Groz-Beckert fine reeds are designed to minimize friction-related wear with different warp materials. Extremely hard raw materials, rounded reed wire edges, and a high surface quality reduce wear and protect both yarn and reed wires. Fewer notches, less wear, and fewer failures – resulting in a significantly longer service life and reliable process.

Stability under high loads

Even under high reed impact forces, the reed construction remains reliably stable. The robust bonding ensures the position of the reed dents – for maximum process reliability in dynamic applications.

High process reliability through precise yarn guidance

Uniform, perfectly aligned openings across the entire length of the fine reeds, combined with tightest tolerances, ensure stable weaving conditions, fewer interruptions, and a reproducible quality standard – especially for fine or sensitive fabrics.

GROZ-BECKERT

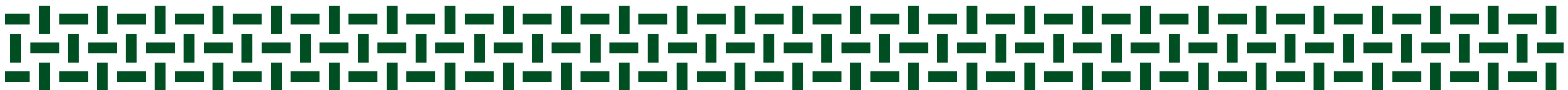
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Application

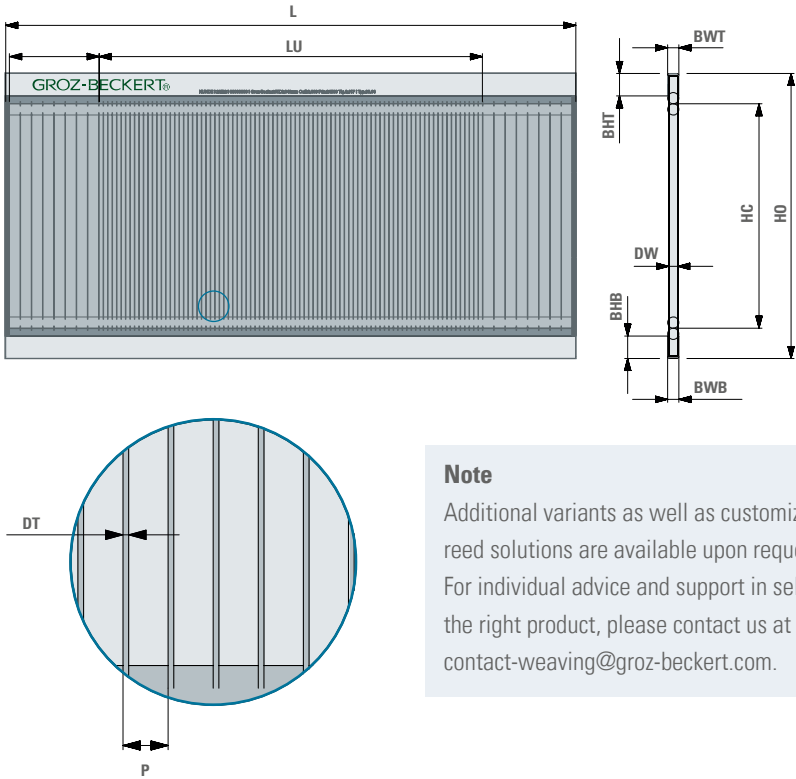
Fine reeds are ideally suited for all demanding applications in both technical and traditional textile manufacturing: from filter and membrane fabrics to functional textiles, metal and synthetic fabrics, as well as sensitive high-tech structures such as solar and display materials.

Advantages

- Consistent fabric quality through precision manufacturing
- High stability even under high reed impact forces
- Reduced wear and longer service life
- Stable process, fewer downtimes, and reproducible results
- Ideal for high-performance technical fabrics with the highest density requirements

Fine reed specification range

Symbol	Description	Feasible range (metric)	Feasible range (inch)
LU	Working length		
L	Overall length	up to 6 m	up to 236 inches
	Density / mesh (dents per 10 cm or inch)	500 – 1500 / 10 cm	127 – 385 DPI/mesh
P	Pitch	0.20 – 0.066 mm	
HO	Overall height	54 – 140 mm	2.13 – 5.51 inches
HC	Clear height	30 – 60 mm	1.18 – 2.36 inches
DW	Dent width	7 mm	0.28 inches
DT	Dent thickness	0.028 – 0.11 mm	0.0011 – 0.0043 inches
BHT	Border height top	12 – 40 mm	0.47 – 1.57 inches
BWT	Border width top	approx. 11 – 11.5 mm	approx. 0.43 inches
BHB	Border height bottom	12 – 40 mm	0.47 – 1.57 inches
BWB	Border width bottom	approx. 11 – 11.5 mm	approx. 0.43 inches



Note

Additional variants as well as customized reed solutions are available upon request. For individual advice and support in selecting the right product, please contact us at contact-weaving@groz-beckert.com.