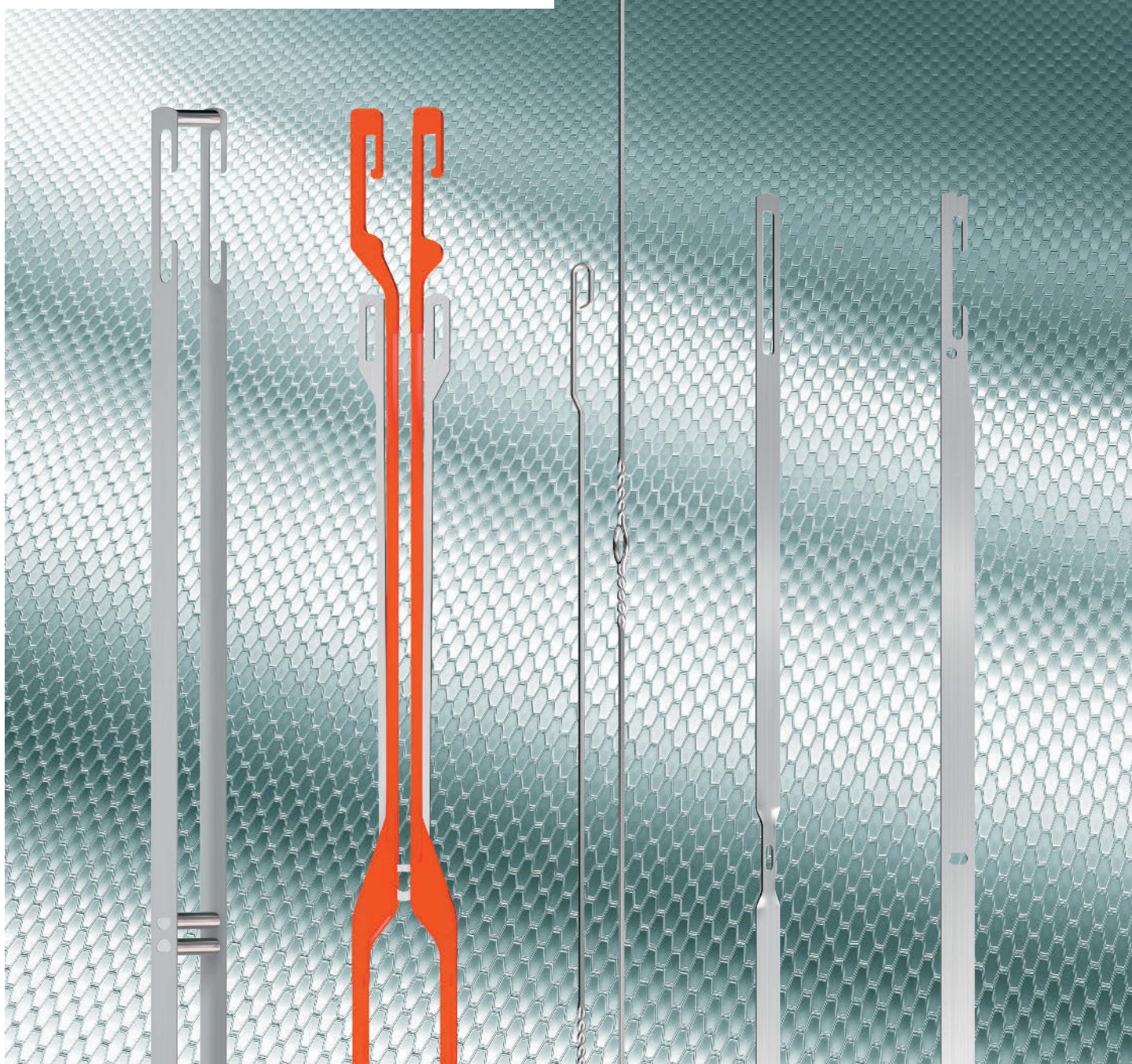


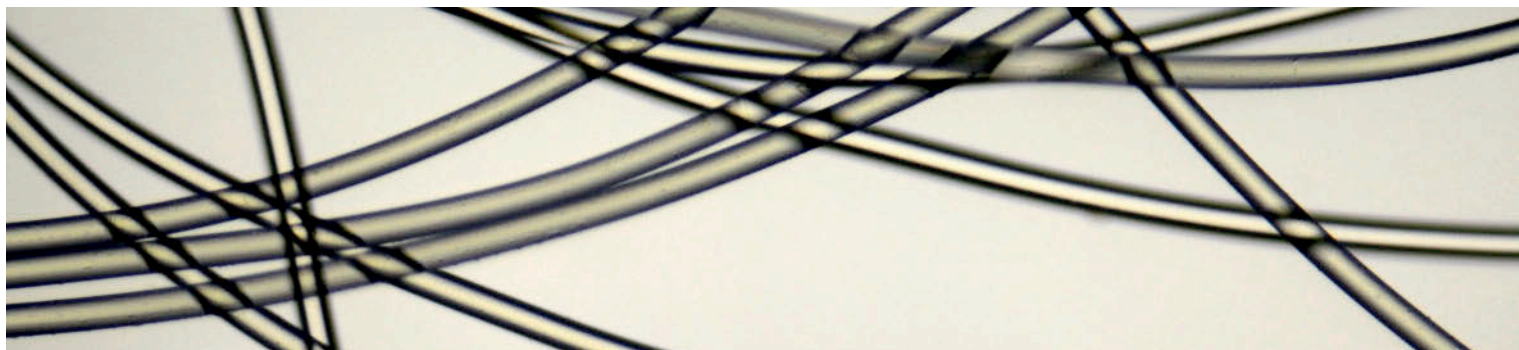


TECHNICAL WEAVING OPENING UP NEW POTENTIAL



Technical weaving represents an important future market for the worldwide weaving industry. Choosing a partner with a global presence, excellent credentials and the capacity to see the bigger picture can make the decisive difference to the way you approach this vital new market. Backed by Groz-Beckert, machine manufacturers and users can be sure of making wise, informed choices.

PRODUCTS FOR THE MANUFACTURE OF TECHNICAL FABRICS



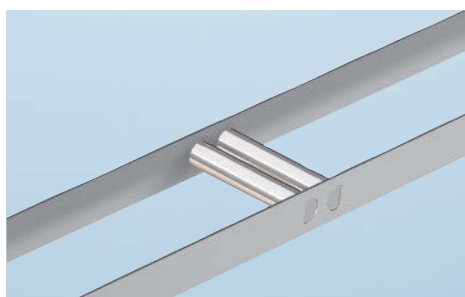
The variety of technical fabric types and applications has increased enormously over recent years. Groz-Beckert offers an ideally coordinated selection of healds and matching heald frames for processing every conceivable type of warp yarn.

Weaving of carbon fibre, aramid and glass fibre, PP and PVC

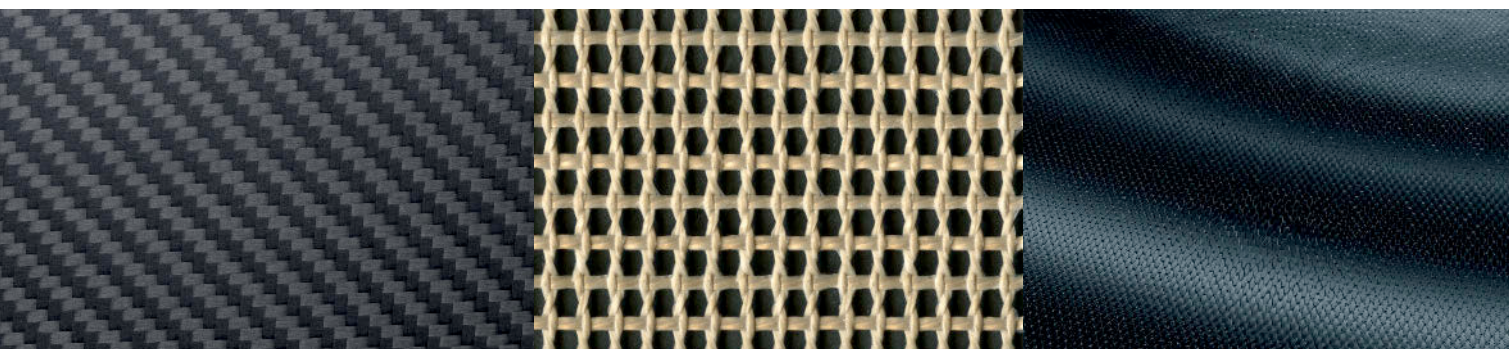


The twin flat steel heald TWINtec was designed specifically for processing bands and tapes (patent pending). This new development takes advantage of the fact that roving threads are increasingly woven not as a fibre bundle but in band or tape form. This allows the reinforcing properties of the fibres to be far more efficiently utilized.

With the TWINtec heald, the width of the thread eye is adjusted to the width of the fibre band or tape. This allows the band or tape to be woven flat as required in its extended form – without additional friction. If required, the guiding elements of the heald can be further optimized with a special coating.



FOR GUIDANCE OF BAND-SHAPED WARP
YARNS – LOWERING FRICTION AND AVOIDING
TWISTING. MINIMAL DISTANCES BETWEEN
THE FIBRE STRIPS ARE POSSIBLE.



FLEXIBILITY

THE PRODUCT PORTFOLIO AFFORDS THE RIGHT SOLUTION FOR EVERY CONCEIVABLE APPLICATION IN TECHNICAL WEAVING.

Accessories for the manufacture of leno fabrics



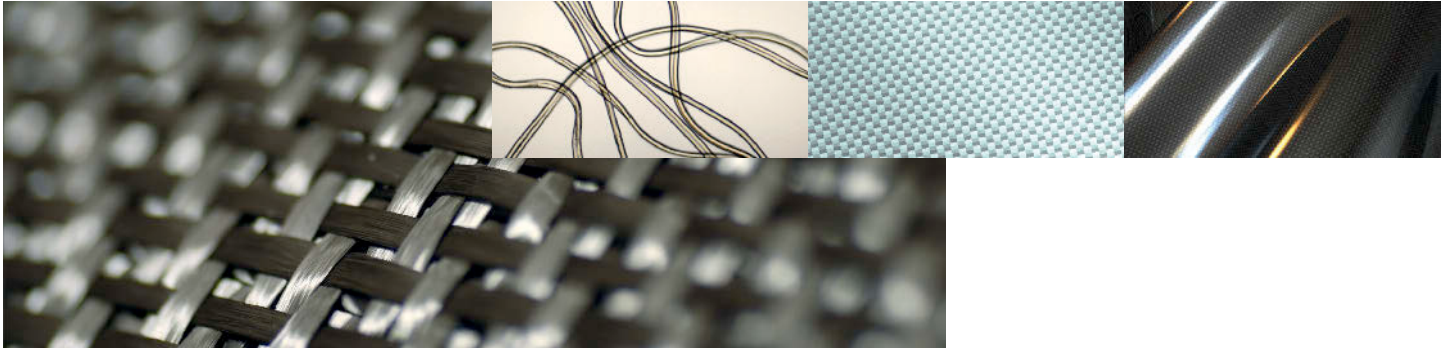
Leno weaving accessories from Groz-Beckert offer unbeatable flexibility as regards the versatility of binding alternatives, patterning and the use of a wide range of warp yarns. This versatile range offers practically unlimited scope for creativity in the production of leno fabrics. Short resetting times on existing weaving machines at affordable and calculable cost mean a fast payback on investment.

RONDOFIL® twin wire healds for coarse warp yarns



Groz-Beckert offers a wide range of round steel healds for weaving warp yarns of 250 tex and coarser which is coordinated in line with wide-ranging customer requirements. These are all available with J or C-shaped end loops, and steel mails adjusted in shape and hardness are used to control the yarn.

SPECIAL APPLICATIONS – NON-STANDARD SOLUTIONS



Healds for narrow fabric looms



Machines for the manufacture of woven tapes produce at high speeds and call for a very special heald design. Flat steel healds from Groz-Beckert made of tempered and non-tempered steel manufactured in close cooperation with machine manufacturers and in a wide range of different versions have proven highly successful over decades of application. As narrow fabric looms are only fitted with a minimal number of healds, these products are generally sold through the loom manufacturer.

Healds for metal, glass, filter and ultra heavy-duty fabrics



Groz-Beckert offers scope for a wide selection of flat steel healds suitable for processing highly challenging warps. These can differ considerably in terms of their material, their shape and their surface processing. The raw material used for the production of all-round perfect healds is steel strip with a thickness ranging from 0.06 mm to 0.80 mm.