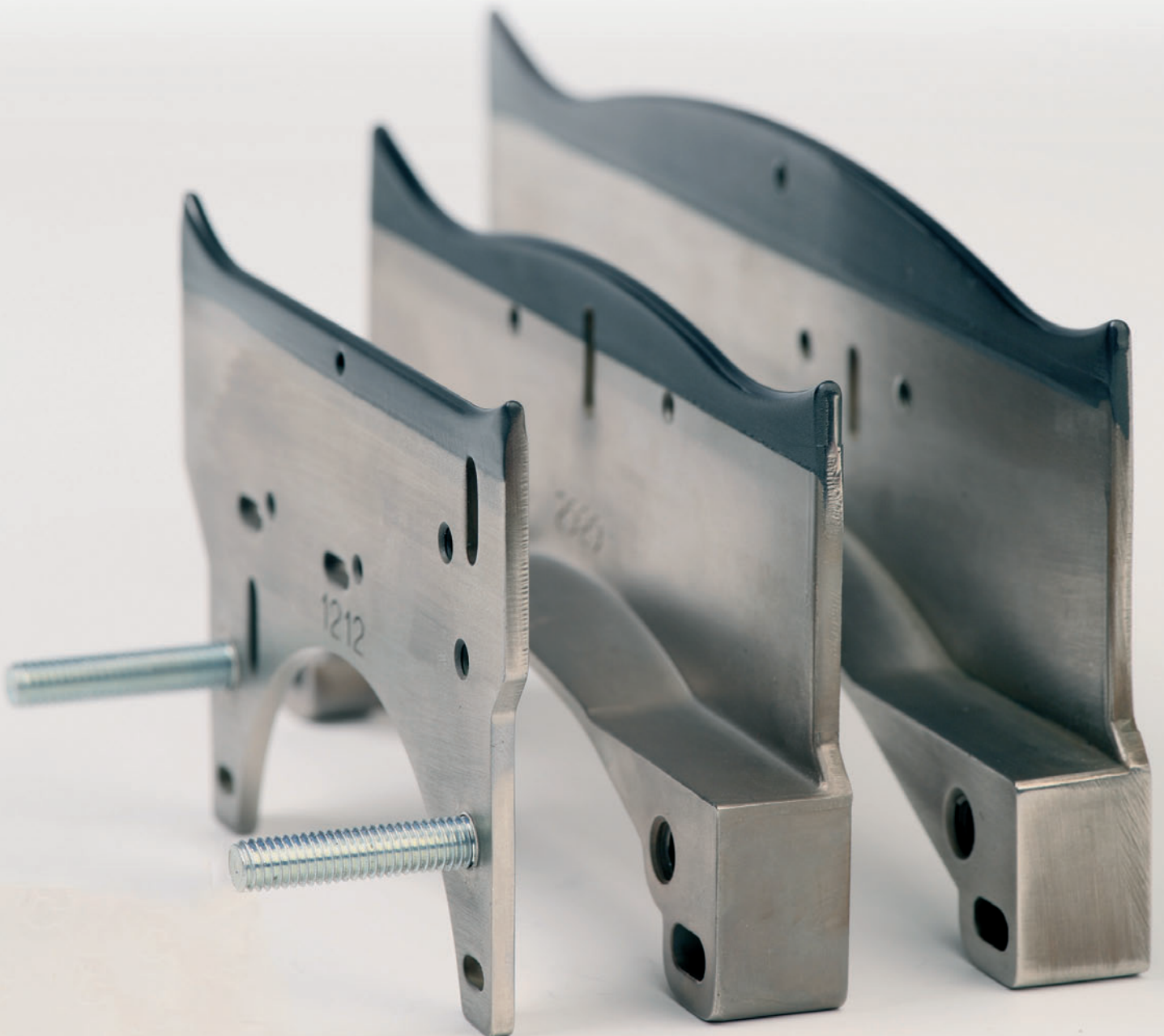


œrlikon
barmag

Wave plate thread guide

Upgrade your yarn quality



Improved yarn characteristics with optimized thread guide surface according to process

Your benefits

- Improved yarn characteristics
- Higher yarn elongation
- Higher yarn tenacity
- Consistent yarn quality between different packages in winder and even between different lines
- Optimized for POY and FDY yarns, including high-count or micro-filament yarns
- Longer life with improved wear-resistance
- Filament-friendly surface with lower friction between surface and filament
- Wear- and corrosion-resistant, spin-finish oil-resistant

Developed with a focus on improving yarn characteristics while providing longer life of thread guide.

Uniform yarn quality with Original Parts

With standard thread guides, there is a reduction in yarn quality due to filament abrasion wearing down the thread guide surface. High abrasion resistance is critical to maintain yarn quality over the lifetime of the thread guide. Test results show that Oerlikon Barmag chrome-oxide F3 thread guides have higher abrasion resistance than the competition and also compared to our previous technology.

Using Original Parts, you can be sure that the yarn properties remain the same throughout the lifetime of the thread guide.

Better quality control

An additional benefit is that the yarn properties are consistent between each package on the winder, and even between each position on the line. For this reason it is also recommended that all thread guides are changed together. This gives you the possibility to produce yarn continuously with the same quality characteristics, and the lower deviation in quality means less B-quality packages and the possibility of commanding higher market prices.

Upgrade your yarn!

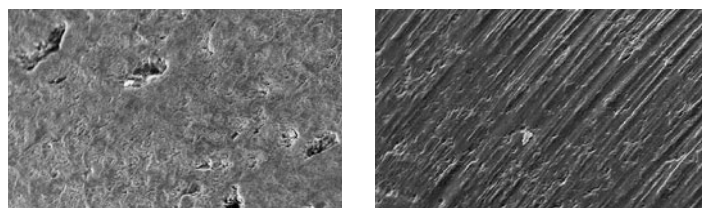
Retrofits and upgrades are available for existing lines. No modifications are required. The changeover can be carried out as part of the scheduled replacement of the previous thread guides.

Oerlikon Barmag

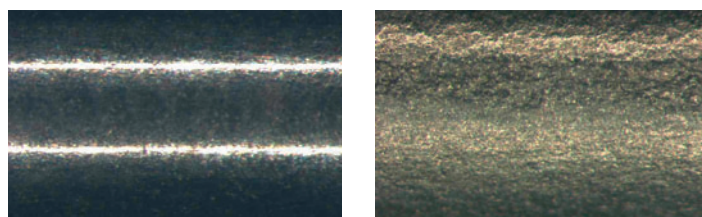
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Exceeds the performance limitations of competitors and performs even better than ceramic yarn guides.

The results speak for themselves!



Chrome-oxide F3 (left) and competition (right): abrasion result on 255 f24 dtex PET POY (3220 m/min, 0.1 cN/dtex) after ten million meters show the higher wear resistance of the chrome-oxide F3 yarn guide surface.



Chrome-oxide F3 technology (left) is visibly superior to the previous generation (right) in terms of surface characteristics.

Improved tenacity and elongation

	Chrome-oxide F1	Zirconia Ceramic	Chrome-oxide F3
Tenacity [cN/dtex]	2.38 - 2.42	2.39 - 2.40	2.45 - 2.48
Elongation [%]	128-130%	133-134%	134-135%

Test results on 350 f72 dtex PET POY (3200 m/min, 0.1 cN/dtex) show an improvement in yarn characteristics with the new technology, even when compared to ceramic thread guides.

Special version for industrial yarns

We have developed a metal carbide coating with higher fracture resistance for yarns with metal carbide technical requirements. This high ductility coating is required for high tenacity yarns since these have greater specific yarn tension compared to normal textile yarns.

Please contact us for a personal consultation for the right yarn guide for your application.

The information supplied in this brochure is for guidance only. We reserve the right to modify it at any time.

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Subject to changes