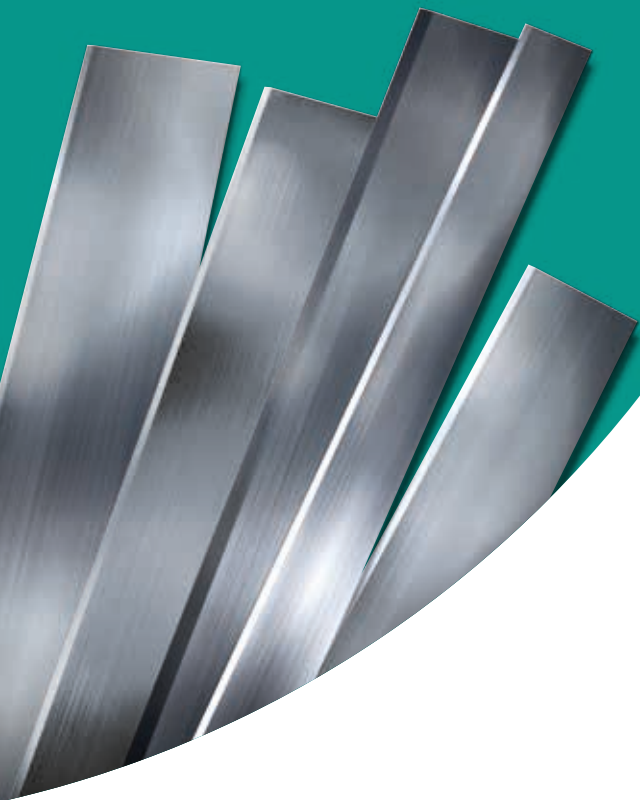


Millblade® 1000 Nano II

Stainless steel with Nano treated surface



The microstructure of the **Millblade® 1000 Nano II** steel consists of evenly distributed carbides, which gives a smooth surface and thus very high wear resistance, reduced friction against the anilox roll and higher printing performance.

Millblade® 1000 Nano II is produced using the latest Nano technology, as a substitute to coated blades, without disadvantages like brittleness and environmental issues. This Nano treatment will extend blade life in both flexo and gravure applications.



Technical data

Steel quality: stainless steel with Nano treated surface

Chromium (Cr): approx. 13%

Carbon (C): 0,65 %

Silicon (Si): 0,30 %

Manganese (Mn): 0,55 %

Mechanical characteristic:

Tensile strength: 1900 N/mm²

Hardness: 850 HV

Elongation: 3-4 %

Straightness tolerance: 1,0 / 3000 mm

Advantages

- High quality genuine Swedish Stainless steel
- Longer blade life
- Higher wear resistance
- Suitable for solvent based inks as well as water based inks
- Less adjustment of the doctor blade chamber
- Friction towards cylinder or anilox roll reduced by 40-60%
- High print quality
- Cleaner wipe
- Less particles sticking to the blade

Edge profiles

Profile 10

Beveled edge 2-15 degrees
Flexo & Gravure

Profile 25

Radius (polished round) edge
Flexo & Gravure

Profile 50

Lamella edge

Thickness: 0,076-0,38 mm

Width: 1,0-1,5 mm

Standard: for gravure: 1,3-0,07 mm

for flexo: 1,3-0,10 mm



For more information please contact your local Miller Graphics, check www.millergraphics.com for contact details.

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