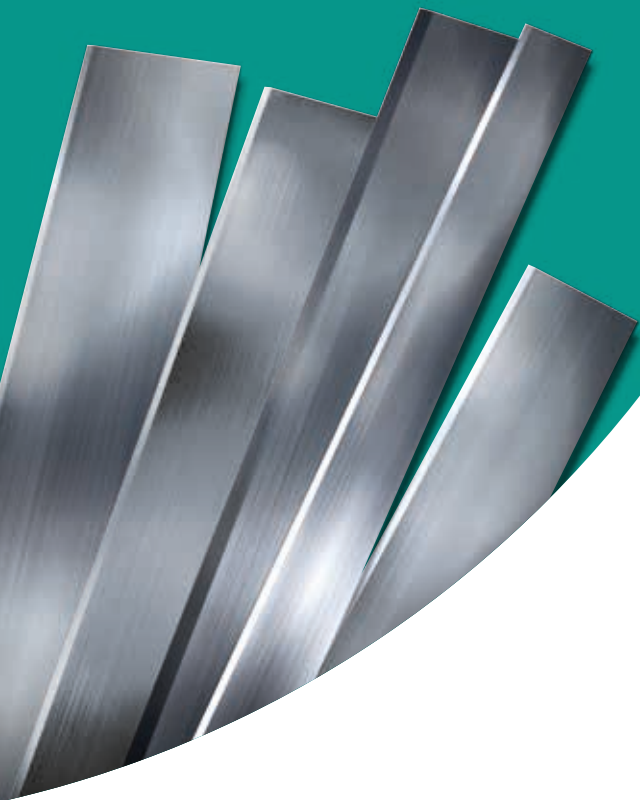


Millblade® 900 Nano I

Carbon steel with Nano treated surface



The microstructure of the **Millblade® 900 Nano I** 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® 900 Nano I is produced using the latest Nano technology, as a substitute to coated blades, without disadvantages like brittleness and environmental issues.

This patented Nano treatment will extend blade life in both flexo and gravure applications.



Technical data

Steel quality:	carbon steel with Nano treated surface
Chromium (Cr):	approx. 1,4%
Carbon (C):	1%
Silicon (Si):	0,30%
Manganese (Mn):	0,40%
Mechanical characteristic:	
Tensile strength:	2030 N/mm ²
Hardness:	850 HV
Elongation:	5%
Straightness tolerance:	1,0 / 3000 mm

Advantages

- High quality genuine Swedish Carbon steel
- Longer blade life
- Higher wear resistance
- Suitable for solvent 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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