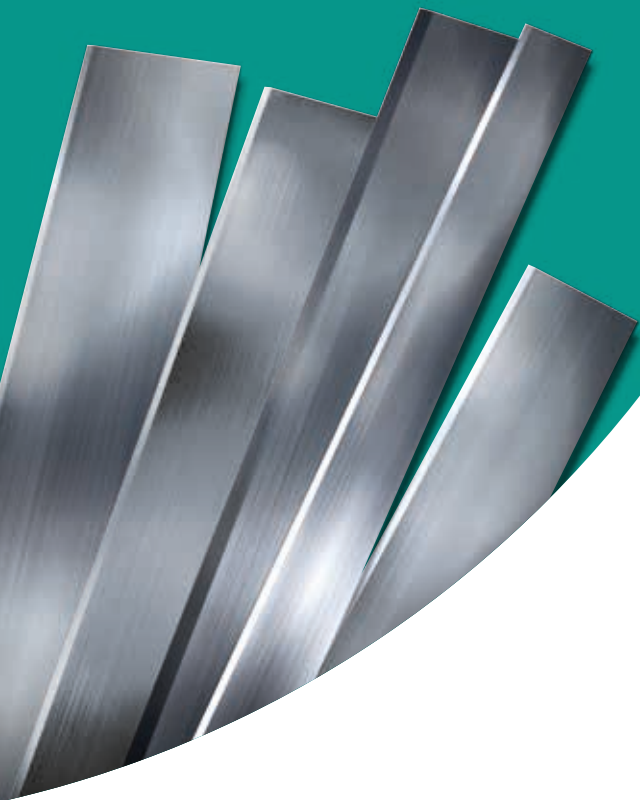


# Millblade® 600

Refined carbon steel



**Millblade® 600** series is a further development of the 300 series and is, compared to other carbon steel blades, a high quality type carbon steel. It has a highly refined microstructure with a modified steel grade and a heat treatment.

As **Millblade® 600** doctor blade consists of twice as many carbides/ $\mu\text{m}^2$  compared to the already improved Millblade® 300 it wears down into much finer particles and cause less print issues when used.



## Technical data

<b>Steel quality:</b>	refined carbon steel
<b>Chromium (Cr):</b>	approx. 1,4 %
<b>Carbon (C):</b>	1 %
<b>Silicon (Si):</b>	0,25 %
<b>Manganese (Mn):</b>	0,30 %
<b>Mechanical characteristic:</b>	
Tensile strength:	2030 N/mm <sup>2</sup>
Hardness:	595 HV
Elongation:	5 %
<b>Straightness tolerance:</b>	1,4 / 3000 mm

## Advantages

- Increased print quality and lifetime
- Highly improved microstructure releases smaller particles into inking system
- Less risk of metal hair formation and burr
- Hardness is in same range as Millblade Type 300 to reduce anilox and gravure cylinder wear
- Better wear resistance

## Edge profiles

### Profile 10

Beveled edge 2-15 degrees  
Flexo & Gravure  
30° on request (min. 200 m)

### Profile 25

Radius (polished round) edge  
Flexo & Gravure

### Profile 50

Lamella edge  
Thickness: 0,076-0,30 mm  
Width: 1,0-2,5 mm  
Standard: for gravure: 1,3-0,07 mm  
for flexo: 1,3-0,10 mm



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