

PRESS ROOM

CHEMICALS/CONSUMABLES | MEASURING DEVICES | SPECIAL ENGINEERING | STROBES

OVERVIEW BLADES

Our doctor blades are being used for rotogravure and flexographic printing. Our doctor blades are usable with solvent, UV and water based inks as well as with varnishes. The excellent steel qualities guarantee an unrestricted operation of press-, anilox- or coating rollers for the operator.

Our doctor blades are available in different types and dimensions. Please contact us and we will cooperatively find the perfect solution for you.

Standard Doctor Blade

The standard doctor blade offers an even doctor blade peak which results in a constant doctoring on all printing cylinders. The tonal values remain unchanged within the whole durability of this doctor blade. The specially polished peak moreover guarantees a rapid stripe-free printing start.

Lamella Doctor Blade

It is the superior self-sharpening specialized doctor blade with a rounded lamella. The inner edge of the lamella is edged; the area of contact is rounded, very smooth, highly polished and ready for usage. The parabolic profile of the standard – lamella is successfully in use. It optimizes the resistance towards printing bends, achieves the best doctoring possible on the whole lamella width. Upon request another type of lamella with a different edge and modified contact angles can be supplied.

Stainless Steel Blade

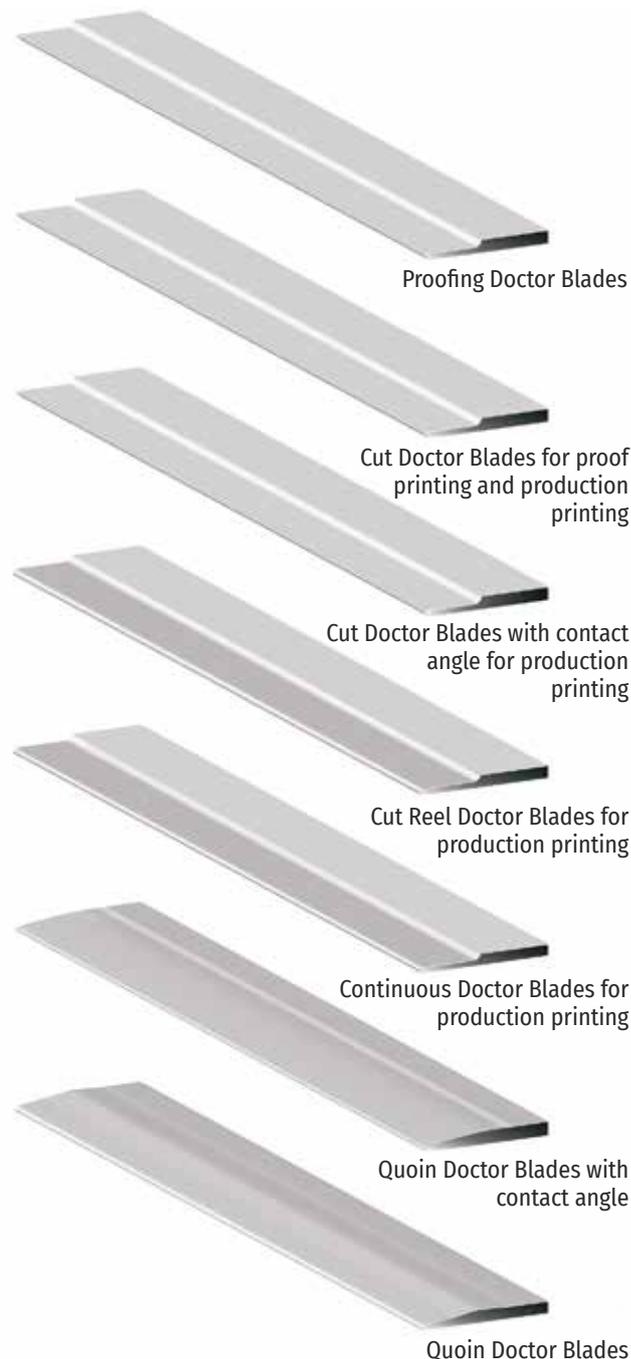
These doctor blades are the perfect solution for corrosive water based inks, coatings and varnishes. They are being used for printing applications with water based inks and coatings with high pH-values. Thanks to the longer durability less blade changes are necessary.

Coated Doctor Blades

Coated doctor blades are the best choice for coping with printing issues. The coated doctor blade offers an even doctoring and a perfect ink application, reduces dryouts and increases the durability of the cylinders. With the hardened coating which increases the durability of the doctor blade considerably, down times of the printing press and the misprints are being reduced. This doctor blade also is specifically suitable for the usage of abrasive and corrosive inks and coatings.

Ultra Doctor Blade

This premium doctor blade has a specific coating which was designed for the elimination of scumming and streaking. Ideally this doctor blade is used for printing volumes of short up to medium-length. Because of the fine surface and the even wear and tear characteristics of the doctor blade's peak the durability of the printing cylinder will be increased.



Wedge Doctor Blade

The specially sharpened doctor blade's peak eventuates in an increased thickness and stability of the doctor blade and reduces the misalignments of the area of contact at the same time that are caused by a too high printing pressure und too high press speeds. The sharp edge of the doctor blade and the stiff peak of the doctor blade yield a clean doctoring with reduced break offs of the peak. This doctor blade is furnished with a standard wedge sharpening of 15°.

Soft Doctor Blade

This carbon steel doctor blade is coated with a material based on nickel, which shows a good resistance against corrosive inks, coatings and varnishes. The soft doctor blade is especially suitable for water based inks as it shows anticorrosive characteristics. The soft self-curing coating significantly reduces the occurrence of score line formation. Soft doctor blades have a very soft and flexible area of contact.

Doctor Blade with rounded edge

This doctor blade with a flat 30° sharpening is equipped with an enhanced rigidity and a reduced bend, which is evoked by a high printing pressure and fast printing Press Rooms. The thin peak of the doctor blade eventuates in a clean ink application and helps with reducing the occurrence of scumming, as well as a long durability. The peak enlarges proportionally to a 3° sharpening. On request other sharpening are possible as well.

Synthetic doctor blades

The main operational fields of the synthetic doctor blades are the packaging industry, the fold package manufacture, the label industry, the production of envelopes and many coating applications. This reasonable doctor blade enables the operation of virtually all flexographic printing applications with its high resistivity to chemical substances and solvents. It has a lithely doctoring and thus supports the longevity of the ceramic anilox roller. This lock-up doctor blade is often used in combination with a metallic working doctor blade, whereby the costs and the cutting risks can be reduced. Particularly mentionable is its exceedingly hydrophobic feature by what it is predestinated for water based applications.

Blade (Blade support)

A blade is used when the pressure on the doctor blade is too high or the proportion of the clamp is not optimal. The deflection of the doctor blade has to be prevented to guarantee a evenly sharp and constant area of contact. The backing blade caters for a perfect flatness and rigidity and guarantees a reliable support for the doctor blades. With a material intensity twice as much as the doctor blade, the function of the blade is used perfectly.

Our doctor blades are available in different dimensions and designs

Intensity of material mm	0.15–0.40
Width of material mm	15–90
Angle °	3–60
Thickness of lamellas mm	0.055–0.300
Width of lamellas mm	0.8–1.7

DOCTOR BLADES

Order No.: D02-0008 ff.

BACKING BLADE

Order No.: D02-4103 ff.



For proofing and production printing; available in different types (normal steel, stainless steel and coated) sizes; without or with lamella.

SETTING GAUGE FOR DOCTOR BLADE ANGLE

Order No.: D02-0008 ff.



Setting gauge for doctor blade angle

Advantages: Print without stripes, maximum blade life
Available for cylinder circumference sizes 200–700 mm
and 700–1400 mm