



SUMINTEC LTDA
NIT 900.037.544-1
Carrera 1 No 61 A 30
Telefono 6831661
Cali, Colombia

SUREPRINT

Doctor Blades are manufactured from highly refined strip steel specially selected for Doctor Blades.

The final finished product is finished with a extra-smooth edge ensuring that the blades perform a clean wiping action on the gravure cylinder/anilox roller immediately on start-up.

"Every metre of Doctor Blade manufactured by Converttech is physically inspected to ensure that the customer receives a totally defect free product every time thereby eliminating expensive press downtime."

SUREPRINT Doctor blades can be used for Rotogravure and Flexographic printing as well as for coating applications.



These doctor blades are available in several varieties and edge configurations based on customer application and process requirements. These are enumerated below:

HIGH CARBON STEEL BLADES

1. **SUREPRINT-STANDARD:** High density carbon steel blades having a refined microstructure suitable for Standard Rotogravure & Flexographic printing and coating applications with solvent and water based inks.
2. **SUREPRINT-PLUS:** High density carbon steel doctor blades having an Ultra-refined microstructure which allows for low friction doctoring with minimum wear ensuring LONG RUNNING LIFE. This blades is useful for long run jobs and/or when working with abrasive inks to ensure efficient printing press performance with minimum downtime.
3. **SUREPRINT- ULTRA PLUS :** Premium High Quality doctor blade manufactured from a specially formulated steel suitable for low pressure doctoring at high line speeds with even longer running life. Suitable for both Gravure and Flexo printing.

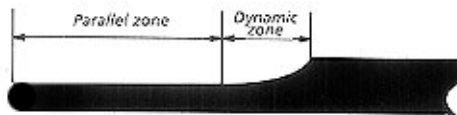
BLADE EDGE CONFIGURATIONS:

SUREPRINT Doctor Blades are available in several edge configurations:

1. LAMELLA EDGE : also commonly called STEP Edge is the most commonly used edge configuration preferred by customers.

Incorporating the latest technology, SUREPRINT Doctor blades increase productivity, improve quality and reduce wastage or rejections. The unique shape of the lamella ensures that a constant contact area with the cylinder is maintained throughout the life of the blade. Resulting in uniform printing throughout the print run. Thus no resharping is required.

The novel shaping process of the lamella ensures that there are no longitudinal grinding scratches or shed marks. Also, The parallel zone of the lamella ends in a smooth taper called dynamic zone which reduces vibrations and fatigue.



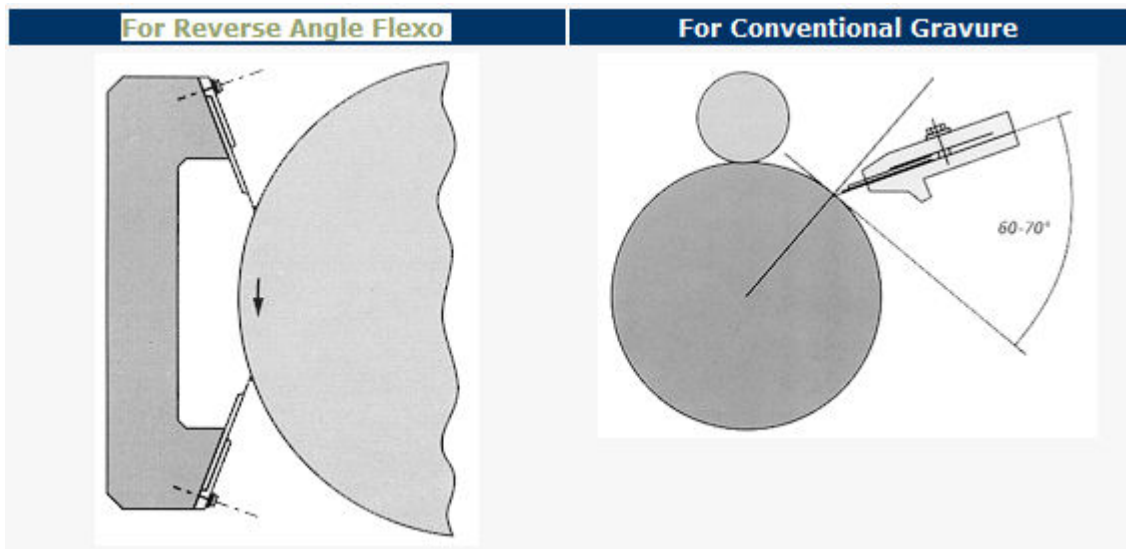
2. STRONG LAMELLA: This is basically a lamella type blade where instead of the edge being absolutely parallel to the main blade body it is tapered between 5 to 30 microns depending on customer requirements. This doctor blade edge helps to minimize print errors with poor doctor blade settings and to make it a little more "forgiving". The blade has a gradual contact edge and has increased strength to better support the lamella.



3. Other edge configurations, such as Round Edge blades are also available on request.



Sureprint doctor blades are available in different widths and thickness to suit your specific requirement. This section helps you choose the right one for your machine.



Product Specification

Sureprint Doctor blade type	Standard /Plus/ Stainless
Application	Rotogravure and Flexographic printing with solvent based inks and coatings
Steel	High quality precision carbon & stainless strip steel
Packing	- Rolls in dispenser boxes - Pre-cut to size (price addition)
Blade width	10 - 80mm
Blade thickness	0.15mm / 0.20mm / 0.25mm and 0.30mm - other thicknesses on demand
Lamella thickness range	50-125 μm +/- 5 μm On request specified lamella can be provided

TECHNICAL SPECIFICATION OF SUREPRINT DOCTOR BLADE

BRAND: SUREPRINT

TYPE: PLUS

PHYSICAL AND CHEMICAL PROPERTIES: HIGH QUALITY CARBON STEEL WITH ULTRA-REFINED MICROSTRUCTURE.

1. CHEMICAL COMPOSITION(NOMINAL)%

C – 1.00
Si – 0.25
Mn – 0.45
Cr – 1.40

2. TENSILE STRENGTH: 2050 +/- 100 N/MM2

APPLICATION: USED IN ROTOGRAVURE & FLEXOGRAPHIC PRINTING MACHINES FOR DOCTORING INK FROM THE GRAVURE PRINTING CYLINDER/ FLEXO ANILOX ROLLER

PACKING: IN COILS OF 100 METRES LENGTH PACKED IN RECYCLABLE CORRUGATED PAPER BOXES

Medidas disponibles:

	ANCHO	ESPESOR	LAMELLA	METROS
Cuchillas Doctor Blade	25mm	0.15	1.2 / 0.070 mm (plus)	100mts
Cuchillas Doctor Blade	30mm	0.15	1.4 / 0.070 mm (plus)	100mts
Cuchillas Doctor Blade	40mm	0.20	1.7 / 0.120 mm (plus)	100mts
Cuchillas Doctor Blade	50mm	0.15	1.3 / 0.075 mm (plus)	100mts
Cuchillas Doctor Blade	60mm	0.20	1.3 / 0.070 mm (plus)	100mts