



## Information

PBSS is a high strength stainless steel Doctor Blade offering enhanced resistance against corrosion and wear.

The blade is suitable with all types of ink, and it is particularly suited for use with water-based inks and high pH materials.

PBSS is manufactured from high quality European stainless steel with a 14% chromium content. This delivers effective corrosion and wear resistance, combined with exceptional straightness for precise ink metering.

PBSS is available in a range of widths and thicknesses, with the choice of three industry standard edge profiles - lamella (stepped), bevel and round edge.

Manufactured in the United Kingdom at our ISO9001 certified factory, all PrintBlade Doctor Blades are precision-ground using the latest advanced technology.



## Benefits

- Superior grade of stainless steel for high performance and long life.
- 14% Chromium for rust and corrosion resistance, making PBSS ideal for use with water-based and high pH inks.
- Reliable supply from an ISO9001 certified UK manufacturer.
- Precision ground edges with exceptional straightness for clean and precise ink metering.
- Supplied cut to required length.
- Suitable for Rotogravure and Flexographic printing processes.

## Edge Profiles



### Bevel Edge

Provides a constant edge for clean doctoring and reduced wear.

Bevel angles precision ground to your exact requirements.

Typically, bevel angles are ground to a range between 2° - 30°.



### Lamella Edge

Most commonly used edge profile in the Flexographic, Gravure and Offset industries.

Provides a constant contact area with low friction and reduced wear.

Precision ground profile manufactured to your requirements to enable an



### Round Edge

Double sided radius edge for smooth contact at high speeds.

Provides a high quality blade seal against the roller.

Used in the Flexographic and Rotogravure industries.

## Chemical Analysis

Carbon	0.38%
Silicon	1.00%
Manganese	1.00%
Chromium	14.00%

## Details

**Tensile Strength** 1900-2100 N/mm<sup>2</sup>

**Straightness** 0.6mm / 3m

**Thicknesses** 0.1, 0.15, 0.2, 0.25, 0.3mm

**Width Range** 10mm - 45mm

## Quality Assurance

Every PrintBlade Doctor Blade is manufactured in Sheffield, UK, at our ISO9001:2015 certified factory.



All steel used in Doctor Blade manufacturing is fully traceable and sourced from Europe.