

**PB50**

**Information**

PB50 is a premium quality Doctor Blade offering the highest level of wear resistance and durability.

PB50 is manufactured from a superior grade of micro-alloyed tool steel with 1% chromium and 1.15% tungsten. This delivers exceptional blade lifespan, as well as precise, clean doctoring.

Our highest performance tool steel blade, PB50 is available in a range of widths and thicknesses, with the choice of three industry standard edge profiles.

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



**Chemical Analysis**

Carbon	1.05%
Silicon	0.25%
Manganese	0.30%
Chromium	1.50%

**Details**

Tensile Strength	1900-2100 N/mm <sup>2</sup>
Straightness	0.6mm / 3m
Thicknesses	0.1, 0.15, 0.2mm
Width Range	20mm - 60mm

**Benefits**

- Superior grade steel for optimum performance.
- Added Chromium and Tungsten for the highest levels of durability and wear resistance.
- Precision ground edges with exceptional straightness for clean and precise ink metering.
- Supplied cut to required length.
- Suitable for Rotogravure and Flexographic printing processes.
- Reliable supply from an ISO9001 certified UK manufacturer.

**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.

**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.