

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.

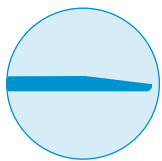
Manufactured in the United Kingdom at an ISO9001 certified factory, PrintBlade products are precision-ground using the latest advanced technology.



Benefits

- Superior grade of 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.

Edge Profiles

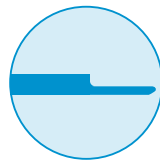


Bevel Edge

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°.

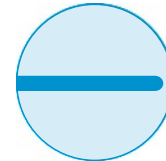


Lamella Edge

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 excellent printing finish.



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	1.05%
Silicon	0.25%
Manganese	0.95%
Chromium	1.00%
Tungsten	1.15%

Details

Tensile Strength	1900-2100 N/mm ²
Straightness	0.6mm / 3m
Thicknesses	0.1, 0.15, 0.2, 0.25, and 0.3mm
Width Range	20mm - 60mm

Quality Assurance

Every PrintBlade product is manufactured in Sheffield UK, at an ISO9001:2015 certified factory.



All steel used in doctor blade manufacturing is fully traceable and sourced from Europe.