



SWED/CUT® M-Flex® II

Series 600 Carbon Steel

SWED/CUT® M-Flex® I is already known as a reliable and safe printing doctor blade. One of our intentions when developing the SWED/CUT® M-Flex® II doctor blade was to manufacture a blade with a more refined microstructure compared to existing doctor blades.

For SWED/CUT® M-Flex® II we have modified the steel grade parameters and heat treatment procedure. That has given us an increased refinement of the microstructure. The result is that SWED/CUT® M-Flex® II has more than twice as many carbides/ μm^2 compared to M-Flex® I.

The advantages of SWED/CUT® M-Flex® II Doctor Blade

- The hardness is at the same safe and well-proven level as SWED/CUT® M-Flex® I, however, the toughness is improved
- Better chipping resistance (finer structure)
- Increased lifetime
- Improved print quality
- The excellent refined microstructure of the blade reduces cylinder wear

Nominal Technical Data

Tensile strength thickness 0.15mm:	~2050 N/mm ²
Hardness:	~570 HV
Edge:	Radius (type 25), Bevel (type 10), Lamella (type 50)

C:	1.0 %
Si:	0.25 %
Mn:	0.30 %
Cr:	1.4 %

