



Creping blades

CREPING BLADES

Bonetti's ambition is to contribute to maintaining the tissue paper manufacturing process constant and efficient.

For optimum results in the tissue process the raw material of creping blades must comply with very tight technical requirements and it must also be uniform over time.

Variations in hardness for the same blade cannot be accepted.

To achieve these results the choice and selection of raw materials are key factors.

Our plants for the production of creping blades use the most advanced technologies and the most modern beveling equipment, thus guaranteeing that our clients will receive the highest quality together with prompt deliveries.

Bonetti uses beveling and grinding techniques that are the result of over fifty years of experience in high-precision mechanical operations, thus highlighting the importance of the added value found in Bonetti blades for the production of tissue paper.



HARDENED AND TEMPERED CARBON STEEL WITH CARBON CONTENT 0,75% (AISI 1074)

Hardness: HRC 47 - 50

HARDENED AND TEMPERED CARBON STEEL WITH CARBON CONTENT 1% (AISI 1095)

Hardness: HRC 51 - 54

HARDENED AND TEMPERED MARTENSITIC STAINLESS STEEL WITH 13% CHROME (AISI 420)

Hardness: HRC 42 - 46

MIZAR

Traditional reliability combined with the high level of performance of **ceramic** materials.

- Long blade life
- Maximum machine efficiency
- High resistance to thermal shocks
- Greater sheet softness
- Highest stability of the sheet's quality parameters

SIRIUS

A carbon steel blade with the operating edge coated in **chrome carbide**

- Better resistance to chipping compared with ceramic blades
- Maximum stability over time of paper quality parameters
- Lifetime comparable to ceramic blades
- Maximum machine efficiency



TECHNICAL DATA

STANDARD THICKNESSES AND CORRESPONDING TOLERANCES		
	mm	inches
AISI 1074 - AISI 1095 MIZAR - SIRIUS	0,89 mm	.035" +/-
	+/- 0,030	.0012"
	1,00 mm	.039" +/-
	+/- 0,030	.0012"
	1,20 mm	.050" +/-
	+/- 0,035	.0014"
	1,50 mm	.060" +/-
	+/- 0,050	.0020"
STAINLESS STEEL 13% Cr (AISI 420)	1,27 mm	.050" +/-
	+/- 0,050	.0020"

STANDARD WIDTHS		
	mm	inches
AISI 1074 - AISI 1095 MIZAR - SIRIUS	101 mm	4"
	114 mm	4.5"
	120 mm	4.75"
	127 mm	5"
	130 mm	5.12"
STAINLESS STEEL 13% Cr (AISI 420)	114 mm	4.5"
	127 mm	5"

Other dimensions and combinations upon request

Straightness:

finished blades: max. 0,2 mm on 1000 mm
coils: max. 0,6 mm on 1000 mm

Geometries:

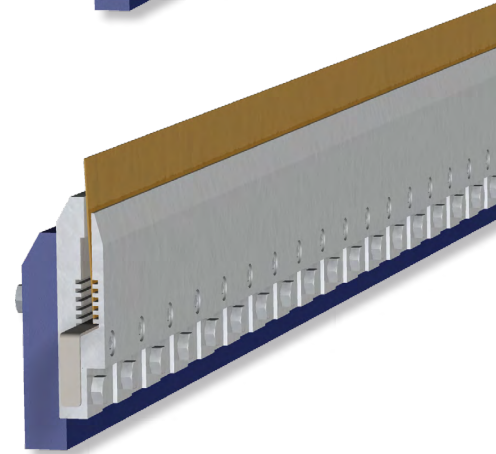
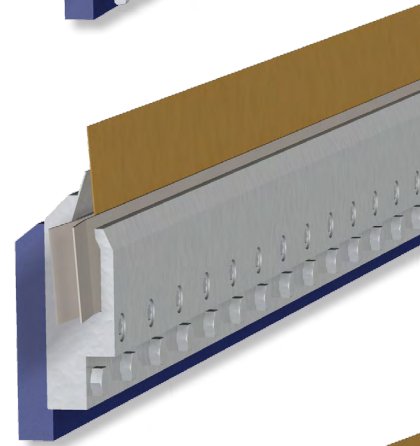
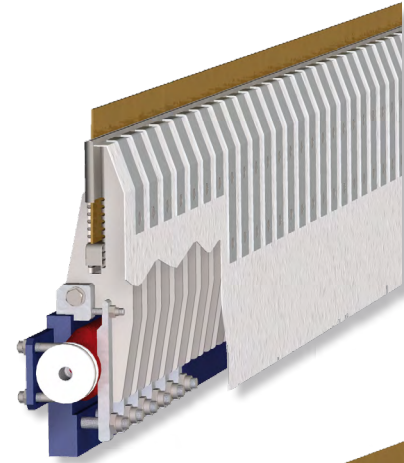
Bevel angle α : $45^\circ < \alpha \leq 90^\circ$
Reverse bevel

Packaging:

Finished blades cut in lenght: long wooden cases
Coils: square carton boxes on pallet

BLADE HOLDERS

For the BONETTI Blade Holders please refer to related brochure



Established in 1923 Bonetti has been successfully supplying the pulp and paper industry since more than 50 years. The renowned reliability and quality of coater blades gave rise to the first requests for doctor and creping steel blades in the late 1960's. Synthetic-material doctor blades became available in the 1980's. Challenged by ever-changing doctoring technology, Bonetti has then successfully developed "hi-tech" materials to meet specific Customer needs. In the mid-1990's Doctoring and Creping Systems were a natural addition to the Bonetti Product lines. High-quality Doctor Holders, Systems and Spare Parts, with innovative design



features have since been manufactured and installed throughout the world. To meet worldwide product demands, four (4) new manufacturing facilities were inaugurated in the 1990's and 2000. Sturtevant, WI USA; Hagen, Germany; Cantalupo, Italy; Trois-Rivieres, QC Canada; now complement world headquarters in Lainate, near Milan in Italy. Bonetti's success has always been based on a timely response to the needs and demands of the markets it serves. For more than 50 years, and now in the third generation of family ownership, Bonetti has been and will continue to be a global partner of paper mills and paper-machine manufacturers worldwide.

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