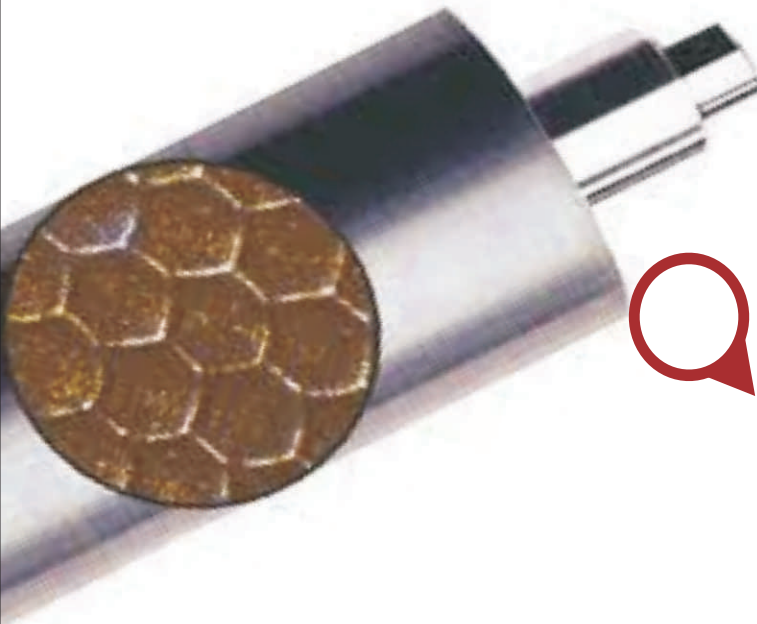


ANILOX CHROME ROLLER



General Anilox Info



The Anilox roller has cells that carry a specific amount of ink to the plates, the number of cells per linear inch vary according to the type of print job. The higher Line Anilox Rollers will correlate with smaller BCM (Billions of Cubic Microns) Anilox Volumes.

Note: The lower the BCM Volume, the stronger (more pigment) your ink must be/have to achieve density. With increased strength comes a decrease in printing properties, resistance properties, etc. Keep this in mind when putting together a job jacket.

When selecting an Anilox Roll, there are three main aspects to keep in mind.

- A.) The shape and angle of the cells (60°, 45°, 30°, etc.)
- B.) The carrying capacity of the cell (or cell volume BCM)
- C.) The number of cells per linear inch (or line screen)

The amount of ink that is transferred from a cell depends upon the carrying capacity of the cell, or the Cells BCM Volume. Remember, you with a wet and fluid film of ink and it is important to keep in mind that you want to print with the thinnest ink film possible for each particular job. Thinner ink films are easier to control, reduce dot gain and increase graphic capabilities.

| Application | Appropriate Anilox Line Screen LPI | Appropriate Anilox Volume |
|-----------------------|------------------------------------|---------------------------|
| Heavy line and solids | 180 - 330 | 9 - 4 BCMs |
| Line and type | 200 - 400 | 8 - 3 BCMs |
| Vignettes | 360 - 500 | 3.6 - 2.8 BCMs |
| Process | 500 - 1200 | 2.8 - 0.9 BCMs |



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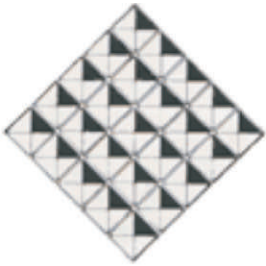
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W H E R E Q U A L I T Y M E E T S E X C E L L E N C E

ANILOX CHROME ROLLER



CELL SHAPE

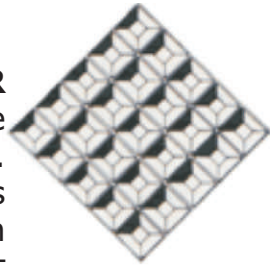


PYRAMID

Widely used on flexographic transfer rollers for the greater majority of printing and coating applications

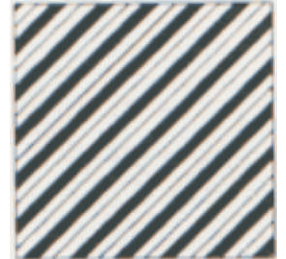
QUADRANGULAR

The cell walls are more vertical with a flat bottom. The ink flow characteristics give greater volume with finer screens for direct gravure coatings.



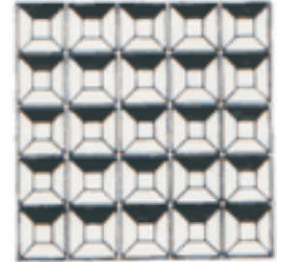
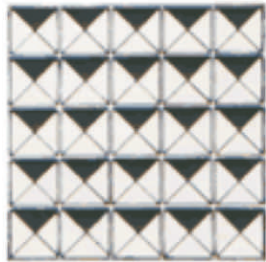
TRI-HELICAL

Varying from the horizontal to the vertical in lines per square inch. For applying uniform heavy viscosity coatings and Shriener bowls for textile finishing.



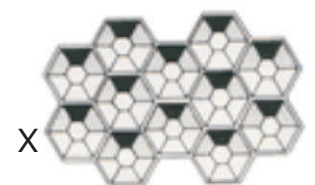
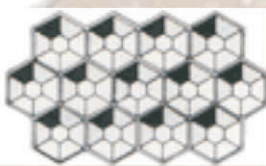
SQUARE

The square formation is used for ink transfer on various stationery substrates and to the embossing of foils, wallpaper and plastics.



HEXAGONAL

X and Y type for coatings.



ANNULAR

Used for dry powder applications and embossing in the plastics, foil and paper industries.



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