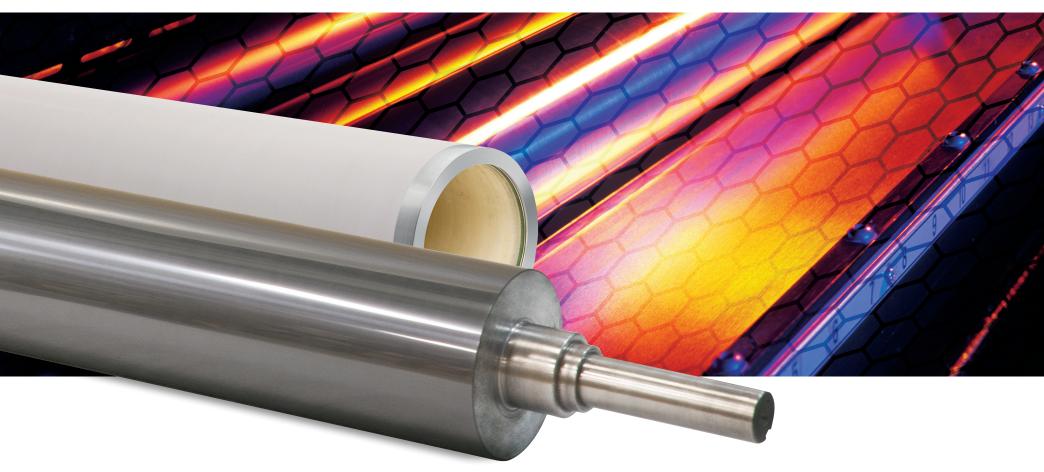
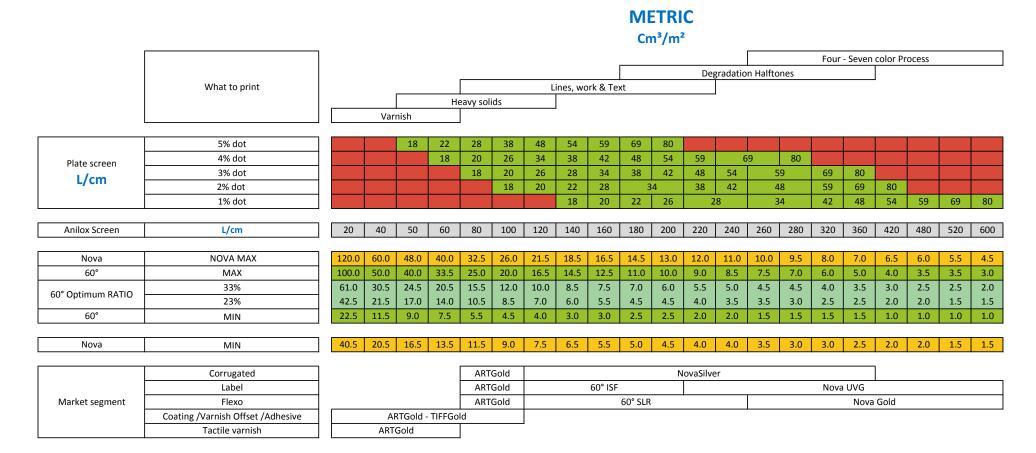
# Laser-Engraving Anilox Rolls and Sleeves | Selection Guide





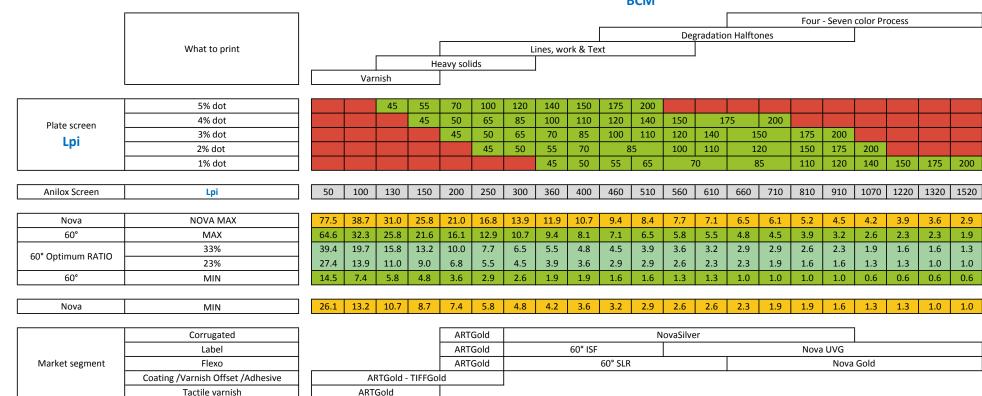


### Screen Selection Guide | Metric



### Screen Selection Guide | Imperial





#### **Correct Handling**

- Care should be taken when handling anilox rolls.
- Never rest the roll or sleeve on its surface, this can damage the engraved surface and cause defects in print.
- Always support the roll/sleeve from the journals.
- A sleeve should be loaded in a straight horizontal line, without forcing the sleeve up and down. Only twisting or spinning the sleeve on the mandrel is allowed.
- Avoid hard impact on the back stop to prevent chipping of the ceramic.
- Cover the Anilox roll body with a roll wrap, foam covering, or fluted card board to protect the engraved surface from being damaged by impact against a hard surface such as the machine frame. Chipped ceramic on the dead band areas of the roll can eventually lead to inks and solvent leaching under the ceramic.
- Store rollers safely in crate or rack.

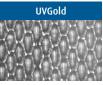
- Keep rollers covered with protective covers, foam or fluted cardboard to avoid damage and dust.
- Do not use a protective cover on a wet Anilox Roller.
- Sleeves are a highly technical, advanced and delicate product that need to be handled very carefully. All sudden impact and high local pressure can cause problems with TIR or fitting.
- Do not use chlorine, ammonia or 100% acidic as cleaning liquids. These chemicals will attack the ceramic layer and cause corrosion.



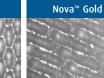


## Print with Confidence | Engraving Solutions

Long-life Precision with Praxair Laser-engraved Anilox Rolls.



- Ideal for UV ink use, including aluminum, film and paper packaging
- Delivers high-quality, highresolution printing with minimized ink spitting
- Achieves density with a 20% to 30% shallower engraving depth for improved ink release



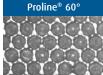
- Ideal for High-definition flexible, paper and corrugated packaging, processing printing
- Provides greater transfer rate and higher achievable volumes for screen counts
- Improves ink transfer and cleaning with a 20% shallower engraving depth



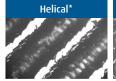
- For solid, screens and text high-density printing
- Ideal for flexo printing of flexible, paper and high-quality corrugated packaging
- Reaches higher densities with minimal dot penalty gain



- For demanding coatings, specialty materials and varnish applications
- Smooth solids coverage, improves gloss and produces less pinholing
- Lays down adnesives, metallic, water-based and UV coatings, and white and heavy ink coverage



- Most popluar pattern in use today
- Transfer ink to the plate easily and produces uniform cell structure
- Suppresses moiré effects in screen and process work (angle doesn't interfere with the plate angle)



- Open cell structure offers better ink release for gravure and coater applications
- Optimizes high viscosity materials
  Achieves high volume capacity-50+ BCMs



 Minimizes spitting of UV or high viscosity inks

#### **Applications**

Applicators (Coating, Laminating)	+			+++	+	+++	++
Corrugated (Post-print)		+	+++		++		
Corrugated (Pre-print)		++	+++	++/+ Varnish	+++		
Envelope		++	+++	+/+ Lint	+++		
Flexible Packaging	+++	+++	+	+	+++		
Folding Carton	++	+++	++	++			++
Liquid Carton/Aseptic Packaging	++	+++		++	+++		
Metal Decorating	++			+++	+	+	++
Newspaper			+		+++		
Printed electronics	++/+++			+++		+	+
Publications				+++/+++ Varnish	+	+	+
Single Use (Tissue, Towel, Cups)			++		+++		
Tag and Label	+++		+	+/++ Coating	+++		+++
Wallcoverings		++			++	+	
+ = Good ++ = Better +++ = Best	¹Anilox Reverse Technology	<sup>2</sup> Ink Spitting Free	*Not available in the U.S.	A Linde company			





Making our world more productive

Praxair Surface Technologies, a Linde company

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