

## COMPOSITION:

While traditional fountain pan rollers are constructed with an aluminum base or are chrome plated, Empire Rollers and Coatings has developed a specialized Glassteel-coated roller for use in offset lithography printing. The Glassteel Printing Roller is designed to withstand the corrosive effects of the dampening system while achieving excellent roller life and product quality.

## PERFORMANCE BENEFITS:

Glassteel is applied to many surfaces where corrosion resistance, wear resistance, low friction and good release are important. Unlike chrome or aluminum, Glassteel is inorganic and non-reactive and since Glassteel is fused to the underlying roller substrate, the finished coating is very dense and will not peel or crack, even in the harshest environments or at high temperatures or line speeds.

The Glassteel coating can be applied "over the edge" of the roller, helping to protect the roll journals and headers from the corrosive effects of the fountain concentrate. Glassteel coatings can also be ground and polished to your desired surface finish.

## SPECIFICATIONS:

Corrosion Resistance	Excellent
Surface Finish	8 – 16 Ra
Diameters	2.0" – 24.0"
Face Length	Up to 140.0"
Abrasion Resistance	Excellent
Durability/Wear Resistance	Excellent

FOR USE IN

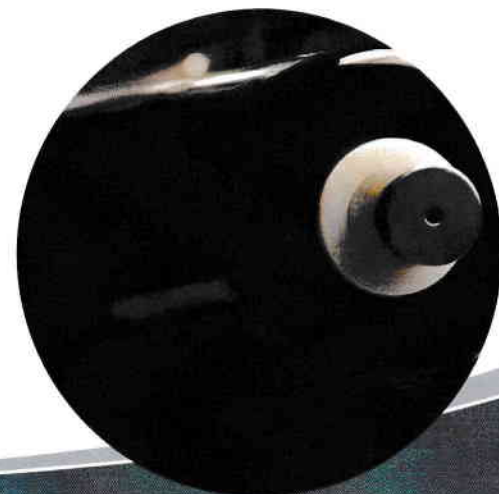
**Printing  
Offset Lithography**

**Applications where a  
roller is submerged or  
partially submerged**

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