

AnoHard Cr

Providing maximum wear life for critical applications

AnoHard Cr is Anoplate's proprietary industrial, hard chrome deposit. **AnoHard Cr** deposits a micro-cracked, smooth and shiny deposit that is proven to reduce wear, friction, seizing and gall your un-coated components.

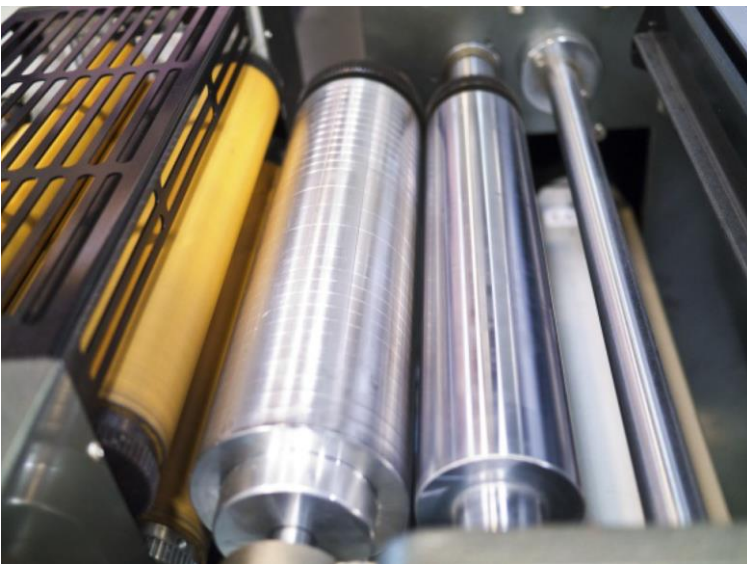
AnoHard Cr is typically specified for thicknesses in the range of 0.0002"-0.0006", but can easily be applied to thicknesses up to 0.100". For extreme wear applications, it is recommended for deposit thickness greater than 0.001" per surface, but may require grinding afterward to get dimensions back to tolerance. It is important to note that hard chrome is not decorative chrome plating.

COEFFICIENT OF FRICTION*

AnoHard Cr has fantastic dry-lubrication properties. The coating shows a marked improvement in static and dynamic friction against dissimilar materials.

Metal Combination	Coefficient of Friction	
	Static	Dynamic
Steel on Steel	0.30	0.20
Chrome on Steel	0.17	0.16

*Ask Anoplate for technical citation



SPECIFICATIONS

- ❖ AMS 2460
- ❖ AMS-QQ-C-320
- ❖ AMS 2406
- ❖ ASTM B177
- ❖ ASTM B254

APPLICATIONS

- ❖ Engraving
- ❖ Forging dies
- ❖ Injection molds
- ❖ Hydraulic cylinders
- ❖ Crankshafts

COMPATIBLE BASE MATERIALS

- ❖ Steels and Stainless Steels
- ❖ Inconel, Monel, Invar, Kovar
- ❖ Aluminum
- ❖ Brass & Copper

RESISTANT TO

- ❖ Ammonia
- ❖ Hydrogen sulfide
- ❖ Beer
- ❖ Molten glass
- ❖ Milk
- ❖ Petroleum products

PHYSICAL PROPERTIES

Hardness	1000-1150 KHN₁₀₀
Micro-cracked structure	>1000 cracks/ inch
Visual	Bright, shiny and smooth
Wettability	Poor