



# ***SUPERIOR CORROSION RESISTANT CHROME ROD***



***CONFIDENCE YOU CAN DEPEND ON!  
WITH LION1000 CHROME ON YOUR EQUIPMENT,  
CYLINDER ROD CORROSION IS BEHIND YOU!***



**VALUE ENGINEERED**  
*Hydraulic Solutions*





**LION1000 raises the bar on corrosion resistance with a consistent quality process that provides industry leading coating performance.**

# TAILORED TO YOUR APPLICATIONS!

**Excellent adhesion and anti flaking characteristics!**

**Cost effective alternative over expensive nickel/chrome!**

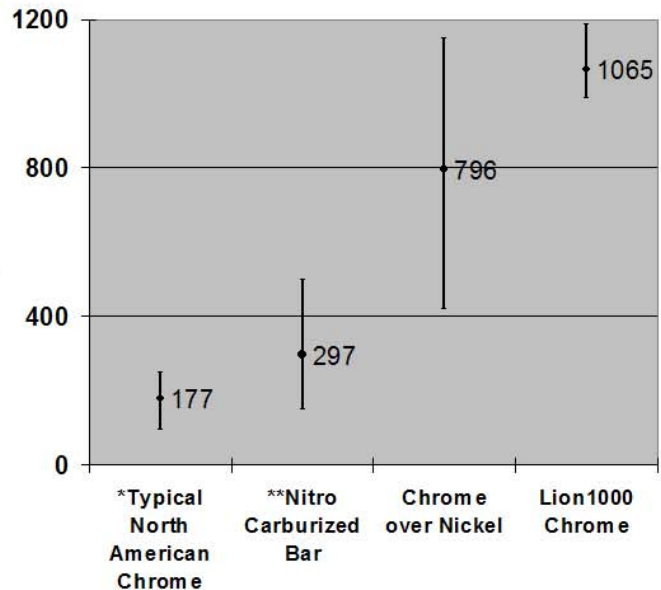
**Available in either regular rod or Induction Hardened versions!**

**LION1000 chrome consistently tests above 1000 hours of corrosion resistance!**

**That's over 5 times the typical North American standard chrome performance and superior to expensive nickel - chrome solutions!**

**With that level of performance, you will never have to worry about corrosion issues with your hydraulic cylinders again!!!**

## LION1000 CHROME COMPARISON ASTM B117 SALT SPRAY



\* Typical North American Chrome published min is 96 hours

\*\* Nitro carburized bar published min is 150 hours

NICKEL / CHROME PLATE	LION1000 CHROME ROD
<b>Corrosion Resistance</b>	
NEUTRAL SALT SPRAY TESTING (ASTM B117) Test data ranges from approx. 400 to 1,150 hours corrosion-free, with an average of <u>only</u> 796 hours corrosion-free.	NEUTRAL SALT SPRAY TESTING (ASTM B117) 95% statistical confidence that the mean of tested product will fall between 1,000 to 1,200 hours corrosion-free; statistical mean of 1,065 hours corrosion-free
COPPER ACCELERATED ACETIC ACID SALT SPRAY (CASS) TESTING (ASTM B368 – 22 hours) Test data ranges from a low rating of 6 up to a high of 10, with an average rating of 9.5.	COPPER ACCELERATED ACETIC ACID SALT SPRAY (CASS) TESTING (ASTM B368 – 22 hours) 95% statistical confidence that the mean of tested product will fall between a rating of 8.1 to 8.7 out of a possible rating of 10; statistical mean rating of 8.4
<b>Processing Characteristics</b>	
Difficult to ensure adequate adhesion between the nickel and hard chrome plating.	Adhesion = Excellent
Standard hard chrome micro-cracked plating layer over a crack-free nickel plated base layer.	Proprietary mechanical/chemical process that makes expensive NiChr. plating unnecessary
<b>Surface / Seal Interface Characteristics</b>	
Hardness = 700 – 1000 Vickers (approx. 60 – 69 Rockwell “C”)	Hardness = 700 – 1000 Vickers (approx. 60 – 69 Rockwell “C”)
Sliver-blue mirror finish	Sliver-blue mirror finish

**LION1000 is tough enough to perform in harsh conditions including 20-0-0 Amonium Nitrate fertilizer.**

**LION1000's endurance provides the opportunity for less downtime, less maintenance and lower overall cost of operation!**

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**The Continuous Pursuit of Excellence through Quality and Service.**

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