



Artificial Lift Services

www.Q2als.com

Q2-Nickel Carbide Plated Barrels (NiCarb)

Q2 Artificial Lift Services Nickel Carbide (NiCarb) barrels come in three choices of base material. Carbon steel, 501 chrome steel or 443 admiralty brass. The three choices offer a balance between cost, strength and corrosion resistance.

Features & Advantages

Our Nickel Carbide plating is a composite of electrodeless applied nickel with fine tungsten carbide particles evenly dispersed throughout. The thickness is controlled to between .0015" AND .0017" per side for a hard, wear-resistant coating on all surfaces, inside and outside diameters and threads. It is available in all configurations of API 11AX sucker rod pump barrels.

Specifications

These barrels meet API 11AX standards for raw material, dimensions, and coating characteristics. Our engineering department approves each raw material test report, and our inspection department ensures that barrel dimensions are upheld and exceeded for every barrel.

Which barrel material is best for your application? In terms of strength 501 chrome steel is the strongest (70ksi yield strength), followed by carbon steel (65ksi yield strength) and 443 admiralty brass (50ksi yield strength.) For corrosion resistance, admiralty brass is first, then 501 chrome steel and carbon steel.



Plating

Base Material

"100X magnification of Nickel Carbide plating
Provided by DuraTech Processes, Inc."