

ALUMINUM ALLOY TECHNICAL SPECIFICATION SHEET

GENERAL: Over the past 40 years, engineers at Beneke have developed a number of finishes to enhance the appearance and function of our aluminum wire and rod. Many customers are saving production costs that are much greater than the increase in purchase price for the finish. Check out our finishes and decide for yourself!

- Add luster and improve the corrosion resistance to your manufactured part by receiving your wire with an oxide free surface. If you are color anodizing or bright dipping; there may be cost advantages in finishing by allowing Beneke to provide the wire with an **"Anodizing Finish"**.
- "I would like the aluminum to look brighter". Order Beneke's **"Bright Finish"** and receive wire that is bright, clean, and chromelike. Can you eliminate expensive finishing if the final part already looks bright dipped?
- Improve tool life and heading consistency with Beneke's **"#4 Finish"**. Make larger heads without shear failures; increase tool life to unbelievable levels; and also receive a more enhance, shiny appearance that will anodize well.
- Does your heat treated wire or rod appear especially dull? Do you heat treat after forming parts? You may be a candidate for our **"DOX Finish" or "Micro Finish"**. The DOX finish is a satiny white finish which improves metal flow and in many cases makes it possible to cold head pre-heat treated wire or rod. The Micro Finish provides a bright, lustrous finish that allows closer diameter tolerances and in many cases improves machinability. Both finishes are oxide free and apply only to heat treated wire and rod.
- Do you need an oil free finish. In many cases, the wire drawing lubricant contaminates the environment or can make clean assembly virtually impossible. Our **"Type S Finish"** may be just what you are looking for.
- Do surface defects prevent you from shipping on time? Post manufacturing inspection can be very expensive. Talk to a Beneke Representative to determine if our **"D Finish" or "DNR Finish"** can save you time and effort. Both finishes will greatly improve both the number and depth of those isolated defects that give us all problems.