



Can Do.

RAISING THE BAR FOR STRENGTH AND STRAIGHTNESS

LIGHTNING ⚡ ROD TITE



THE HIGHEST STRENGTH PRECISION ROD

48 KSI
UTS
MIN

44 KSI
YS
MIN

servicecentermetals.com

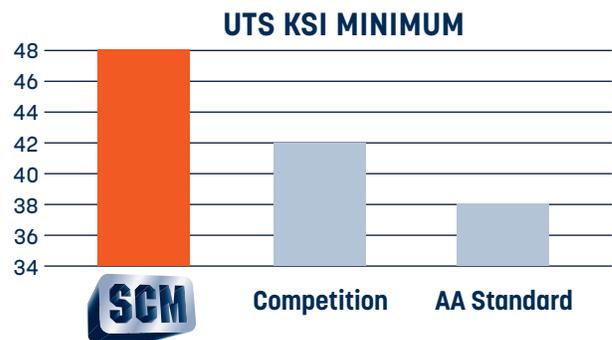


LIGHTNING ROD TITE THE HIGHEST STRENGTH PRECISION ROD

Mechanical Properties 6061-T6511

- Superior Ultimate Tensile Strength and Yield Strength.
- Material consistency to maximize machinability and anodizing quality.
- Enhanced production and quality control standards ensure peak performance.
- Laser straight for high speed CNCs and precision saws.
- Pristine surface that is carbon free.

| | UTS KSI Min | YS KSI Min | Elongation % Min |
|--|----------------|---------------|---------------------|
|  | 48 | 44 | 10 |
| Competition | 42 | 38 | 10 |
| AA Standard | 38 | 35 | 10 |



Material Tolerances 6061-T6511

Precision Rod Tolerances

| |  | Competition | Aluminum Association Standard |
|----------------------------|---|--|---------------------------------|
| Straightness | .0055" max/ft .066" max/12ft | .006" max/ft .075" max/12ft 1/2 | .0125" max/ft .150" max/12ft |
| Surface Finish | Typical 85 Ra | AA Standard | AA Standard |
| Diameter Tolerances | Meets or exceeds Cold Finish Rod on select sizes | Does not meet or exceed Cold Finish Rod tolerances | AA Standard |



Can Do.

Melt > Billet > Rod > Machinability

Our Unique Production Process

- Stringent control of temperature, chemistry and melt cleanliness to the highest standards.
- Our cast and *continuously homogenized* log ensures a more consistent microstructure for improved machinability.
- Continuously ultrasonic test every cast log from end-to-end before cutting it into billet.
- Upgraded press line providing consistent grain structure for better machining and anodizing quality.
- Lightning Rod Tite provides improved chipping, better machined surface and minimal burr by having the highest minimum UTS (48 KSI) and tightest precision rod tolerances in the industry.

Lightning Rod Tite Applications

- Automotive
- Hardware
- Fittings
- Fasteners
- Connectors
- General Machining

SCM "Can Do" - Improving Your Production

- Custom diameters & lengths for better yield.
- Short lead times help maximize production.
- Immediate delivery from our Orange Crush floor stock improves inventory turn.
- Creative solutions > Improved product > Better performance > Lower costs



LIGHTNING ROD
TITE

PUT IT TO THE TEST!
Samples are available upon request.





Ask your local metals distributor for

LIGHTNING ROD TITE

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