



Precision-Crafted Extrusion Billet & Cast Forging Stock

Service Center Metals produces SCM LaserLog®, the standard for consistency and quality in aluminum billet. Proudly made in the USA in our state-of-the-art facility, LaserLog® is available in the following basic specifications:

Alloys:	6061 and 6063 - other 6xxx Alloys are Subject to Inquiry
Diameters:	7", 8", 9", 10", 11", 12", 14" (-/+½%) - Other Diameters are Subject to Inquiry
Lengths:	144" to 300" (-/+½") with Custom Lengths Available in Less-Than-Truckload Quantities
Straightness:	Bow Tolerance of 0.040" per 3' or 3/8" Over the Entire Log Length

SCM LaserLog® is produced using the most-stringent process control, cutting edge metallurgical practices and renowned quality standards:

Quality Standards:	ISO 9001:2015, PED 97/23/EC and LEED Certified; RoHS-2, DFARS and REACH Compliant
Chemistry:	Optical Emission Spectrometry Sampling Every 30 Minutes per ASTM E716 and E1251
Grain Size:	150 Microns Maximum per ASTM E112
Filtration:	Enhanced Dual Filtration Using 30-40 ppi Filters
Degassing:	Rotary Degassing to Hydrogen Levels Less Than 0.19cc/100g
Outer Shell:	SCM Proprietary Process to Produce Outer Shell Zone Thicknesses Similar to Vertically-Cast Billet
Bow:	Bow Tolerance of 0.040" per 3' or 3/8" Over the Entire Log Length
Surface:	Blemish Depth - 5/64" Maximum
UT Testing:	Continuous Ultrasonic Testing for Cracks
Homogenization:	Continuous Homogenization for Consistent Microstructure and Product Performance, Dissolution and Precipitation of Fine Mg ₂ Si Constituent Phase using Rapid Cooling Greater 600F/hr Targeted β to α AlFeSi Phase Transformation for Specific Product Requirements

Superior product quality, higher productivity rates and enhanced downstream machinability and formability.

SERVICE CENTER METALS

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