



THE CHARTER STEEL SBQ STORY

WHY CHOOSE CHARTER STEEL?

Charter Steel is a leading supplier of carbon and alloy bar, rod and wire products, with manufacturing facilities in Wisconsin and Ohio. Our commitment to quality and partner-centric service is evident with our average customer relationship lasting over 15 years.

As a family-owned company spanning four generations, we prioritize being excellent partners to our customers, contributing positively to our communities and supporting our employees so they can thrive. Customers trust our dedicated teams to deliver industry-leading steel solutions and comprehensive in-house, value-added processing, ensuring their needs are consistently met.

OUR SBQ JOURNEY: A FOCUS ON CONTINUOUS IMPROVEMENT

Continuous improvement is a part of our DNA. Every day, we approach our work by asking, "How can we do it better?" Whether it's improving quality, enhancing safety or raising customer satisfaction, our commitment to excellence drives us forward.

Our journey into SBQ isn't just about adding a new product line; it's about being an ally and enhancing value for our customers. Since producing our first bar in 2019, we've refined our manufacturing processes, invested in cutting-edge equipment for non-destructive testing (NDT) and strategically assembled a team of seasoned SBQ experts. All of this was done with the goal of elevating our services and now we proudly offer SBQ bar, rod and wire as part of our product portfolio.

YOUR TRUSTED SBQ PARTNER

As a leading supplier of cold heading quality steels with 45 years of experience in the wire rod and bar business, our commitment to partnership and exceeding quality standards has been the cornerstone of our success. This dedication has fueled the expansion of our product range and technical expertise within the SBQ category. Our approach to our SBQ journey remains consistent with the high standards we uphold across all our products.

THE CHARTER STEEL DIFFERENCE



CUSTOMER-CENTRIC APPROACH

We offer hands-on assistance from a team of experts who are committed to being your trusted allies from day one.



DEPENDABLE

As your partner, Charter Steel provides consistent, high-quality steel, delivered on time to increase customer productivity.



CONTINUOUS IMPROVEMENT DNA

We maintain a growth mindset and constantly hone our service, operations and technical expertise to deliver creative solutions focused on helping you meet your goals.



ONE-STOP SHOP

We are a comprehensive steel coil and bar provider from green rod to fully processed steel.



UNMATCHED QUALITY: OUR COMMITMENT TO CLEAN STEEL

HIGH-QUALITY, SUSTAINABLE STEEL

Our commitment to high-quality steel solutions involves rigorous processes to eliminate and prevent detrimental nonmetallic inclusions, ensuring clean, sustainable steel that offers superior performance and reliability.

Decades ago, we sought to improve our steelmaking by investing in Electric Arc Furnaces (EAFs) at our Saukville and Cleveland mills. Since then, we've continued advancing our steelmaking approach to produce the cleanest, highest-quality steel possible from our EAFs. This includes ideal scrap procurement, melt enhancements, optimized slag practices, proper rinsing times in our Ladle Refining Furnaces and advanced technology for process monitoring. Additionally, we leverage downstream processes like vacuum degassing to enhance the quality of our steel.

EAF: SPOTLIGHT ON SUSTAINABILITY

Using electrical currents to melt scrap steel and other recycled materials, EAF is more energy efficient while allowing for more flexibility in the steelmaking process.

By using recycled steel, we contribute to a circular economy—producing less landfill waste, using less energy and generating fewer emissions from production, transportation and shipping.

We continue to make enhancements to our steelmaking by investing in technologies and processes that meet our customers' need for a high-quality product, produced through a clean process, and maintain the goal of reducing our carbon footprint each step of the way.



SBQ BAR CAPABILITIES

We have made significant investments in leading-edge equipment to add SBQ to our production line at our Cleveland Mill, ensuring exceptional product quality and customer satisfaction. Our advanced setup includes back-to-back KOCKS blocks, which are remotely monitored from our operations pulpit to ensure precise sizing and consistent quality.

PRODUCT CAPABILITIES		
Diameters	Lengths	Bundles
1.00 to 3.25 inches (25.4 to 82.6 millimeters)	12 to 50 feet (3.7 to 15.3 meters)	4,000 to 10,000 pounds (1,814 to 4,535 kilograms)

TECHNICAL CAPABILITIES
BQ, AQ and standard SBQ available
microalloy steel – Boron, Vanadium, Columbium
A2LA certified to ASTM testing standards, JIS, DIN and ISO standards reviewed by request
Nonstandard requests welcome for capability assessments





NON-DESTRUCTIVE TESTING (NDT)

The newest addition to Charter Steel is our state-of-the-art, NDT facility. Opened in 2023 at the SBQ Cleveland mill, the testing capabilities in this investment include bar straightening, Ultrasonic Testing (UT) for internal quality and surface inspection using Magnetic Flux Leakage Testing (MFLT)—ensuring the product you receive is of superior quality.

As a one-stop shop for all your bar finishing needs, we partner with long-time processors and coordinate other processing such as quench and temper, heat treat, turn and polish and more.

Our facility's capabilities include straightening, inspection, cutting, chamfering, finishing, and packaging. We begin with precise straightening using a MultiRoll straightening machine, followed by comprehensive inspections, custom length adjustments and chamfering. The final step is packaging, where we create hexagon-shaped bundles tailored to the customer's weight and specification needs.



INDUSTRIES AND CUSTOMERS WE SERVE

- AUTOMOTIVE
- BEARING
- FORGING
- COLD FINISH
- HEAVY TRUCK
- SERVICE CENTERS
- AGRICULTURE
- OFF-HIGHWAY
- OIL AND GAS



FORGING STRONG AUTOMOTIVE PARTNERSHIPS



With extensive experience in the automotive industry, Charter Steel is positioned with a deep technical bench and a world-class lab for development work and engineering support.

We uniquely speak the automotive language with Statistical Process Control (SPC) methodologies through IATF and ISO certifications and consistent, high-quality output. Our engineers and automotive experts forge strong partnerships with our automotive customers to assist in lightweighting components through cleaner, higher-strength steels.

Charter Steel was the first steel mill in the country to be awarded ISO 50001 Energy Management System and Implementation Certification.



PARTNER WITH US

If you're looking for an ally in all things steel, would like to request a product trial or have questions for us, get in touch:

Commercial@chartersteel.com

SBQ.CHARTERSTEEL.COM

