



316 Stainless Steel Solutions

Shelving • Carts • Premium Work Tables





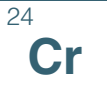
What is 316 Stainless Steel?

316 stainless steel is an alloy of **iron**, **chromium**, and **nickel** with **2–3% molybdenum**, giving it superior resistance to corrosion, chemicals, saltwater, and elevated temperatures.

Known as “marine-grade stainless steel,” it withstands the corrosive effects of seawater better than other alloys. Its strength, machinability, and clean surface finish make it a reliable choice for healthcare, chemical and petrochemical, food processing, laboratory, and other harsh or sterile environments.

The Recipe

16-18%



Chromium

makes steel “stainless” by forming that protective film.

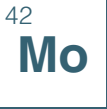
10-14%



Nickel

gives steel toughness and helps stabilize its structure

2-3%



Molybdenum

adds the ability to withstand chlorides and harsh cleaning agents like bleach and hydrogen peroxide.

	 304 Stainless Steel	 316 Stainless Steel
Feature		
Chromium%	18%	16-18%
Nickel%	8-10%	10-14%
Molybdenum%	0%	2-3%
Chloride Resistance	Moderate	Excellent
Common Use	General Purpose	Harsh/sterile Environments

So, why 316 Stainless Steel?

316 stainless steel is valued for its ability to withstand the harshest conditions, especially where frequent cleaning and exposure to aggressive chemicals occur. Where other alloys and metals might show pitting or corrosion under that kind of pressure, 316 stays smooth, easy to disinfect, and free of weak spots where contaminants can hide.

While 304 and 316 stainless steels both offer excellent corrosion resistance and durability, 316 provides an advantage in enhanced resistance to chlorides and other corrosive substances. The addition of molybdenum and higher nickel content enhances its resistance to chlorides, acids, and caustic agents, including bleach, hydrogen peroxide, ammonia-based cleaners, CaviWipes, and Sporeklenz. This makes it exceptionally reliable in sterile processing departments, laboratories, compounding pharmacies, biotech facilities, and other applications where surfaces undergo disinfection protocols multiple times a day and must meet standards like USP <797>/<800> in the U.S. or EU GMP Annex 1 internationally. Metro’s 316 stainless steel shelves, carts, and tables deliver long-term durability and compliance in the most demanding environments.

The Benefits



Stronger Against Corrosion

Resists damage from chlorides (like salt, bleach, and cleaning agents).



Marine-Grade

Holds up in salty, humid, or wet environments.



Long Lasting

Shelves, carts, and equipment stay smooth and intact for years of heavy use.



Cleaner & Safer

Naturally smooth surface prevents bacteria from hiding and makes sterilization easier.

316 Solid Stainless Shelving

Superior Shelving Top to Bottom

Metro's 316 Solid Stainless Shelves are designed to meet the highest standards for cleanroom and sterile storage environments.



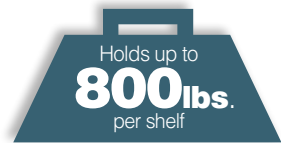
Featuring a marine edge with a raised 1/8" lip, these shelves help contain spills and prevent runoff, making them ideal for operating rooms, laboratories, and other critical spaces.



The polished finish allows for quick and effective wipe-downs, supporting contamination control and compliance with stringent cleaning protocols.



Built from Type 316 stainless steel, including the corners, these shelves deliver superior corrosion resistance and long-term durability.



With a weight capacity of up to 800 lbs per shelf and availability in multiple sizes and configurations, they offer both strength and versatility. Whether used in a cleanroom or as part of a cart-washable storage system, these shelves are built for sterile, dependable performance.



Download
The Specs



316 Solid Stainless Carts

Strength in Mobility

Metro's Mobile 316 Stainless Steel Carts are engineered for strength, mobility, and sterile performance.



Each unit combines durable Type 316 solid stainless shelves with 304 stainless posts and casters, providing a balance of superior corrosion resistance and cost efficiency.



Designed with smooth welds and rust-resistant hardware, these carts stand up to rigorous cleaning and frequent use.



Premium polyurethane casters ensure smooth, quiet operation, ideal for noise-sensitive and sterile environments.



Easy to maneuver in tight sterile areas, cleanrooms, and compounding rooms, they deliver reliable mobility without compromising on cleanliness or durability.



Download
The Specs



316 Premium Work Tables

Surfaces That Work Harder

Metro's 316 TableWorx™ Work tables are built to deliver strength, versatility, and cleanability in demanding environments.

Each unit features a heavy-duty Type 316 stainless steel top, with an optional backsplash to help contain spills and maintain a sterile workspace. The Type 304 stainless steel legs and frame provide reliable support and durability, while a variety of configurations, including cantilevered shelves, undershelves, and leveling feet, allow you to customize the table to your workflow.

For added comfort and efficiency, the workstation offers ergonomic height adjustability from **34"** to **39"**, ensuring an ideal fit for a range of users and applications.



Better from the start.

Premium quality at its core, TableWorx™ is designed to be super strong and rigid with features a traditional work table can't touch.



Limitless Performance.

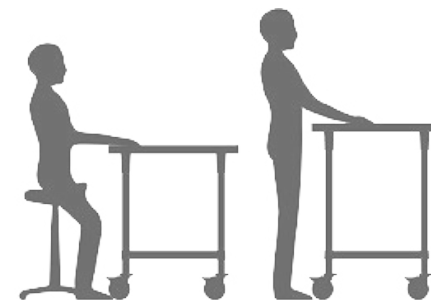
Augment your workflow with a full array of options that can be added initially or as your process evolves.



Available in Stationary or Mobile.



Learn more about TableWorx™



6 ADJUSTABLE

Working Heights

34" — 39"

(864mm – 991mm)



Applications Across Markets

Trusted in Critical Spaces

In commercial markets, biotech and pharmaceutical labs depend on materials that can survive constant sterilization without breaking down. **Cleanrooms** in particular require corrosion-free equipment that won't compromise sensitive research or production. 316 delivers the chemical resistance needed to handle solvents, acids, and saline solutions common in these environments.

Biotech facilities go a step further, producing vaccines, biologics, and therapies under strict GMP regulations. Here, carts and shelves must endure repeated cleaning and disinfection while maintaining smooth, intact surfaces to protect both product integrity and compliance.

On the healthcare side, **Sterile Processing Departments** are at the center of hospital infection control. Every surgical instrument cycles through SPD, where high-level disinfectants, steam, and cart washers are used daily. 316 shelves and carts ensure sterile workflows aren't interrupted.

Compounding pharmacies face similar pressures under USP <797> and <800>. These facilities prepare customized medications and must meet the same cleanability standards as drug manufacturing. Smooth, corrosion-free 316 surfaces help pharmacies stay compliant and prevent contamination risks.



Laboratories & Cleanrooms

Handles aggressive cleaning agents and maintains sterility.



Healthcare

Perfect for operating rooms and sterile pharmacies.



Pharmaceuticals

Built for demanding, high-sanitization environments.



Ready to Specify 316 Stainless Steel?

Visit [metro.com](https://www.metro.com) for everything 316.

- ✓ Unmatched Corrosion Resistance
- ✓ **Sterile By Design**
- ✓ Long-Term Durability
- ✓ **Versatile Configurations**
- ✓ Trusted Performance



We put space to work.

Visit www.metro.com or call 1-800-992-1776.

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