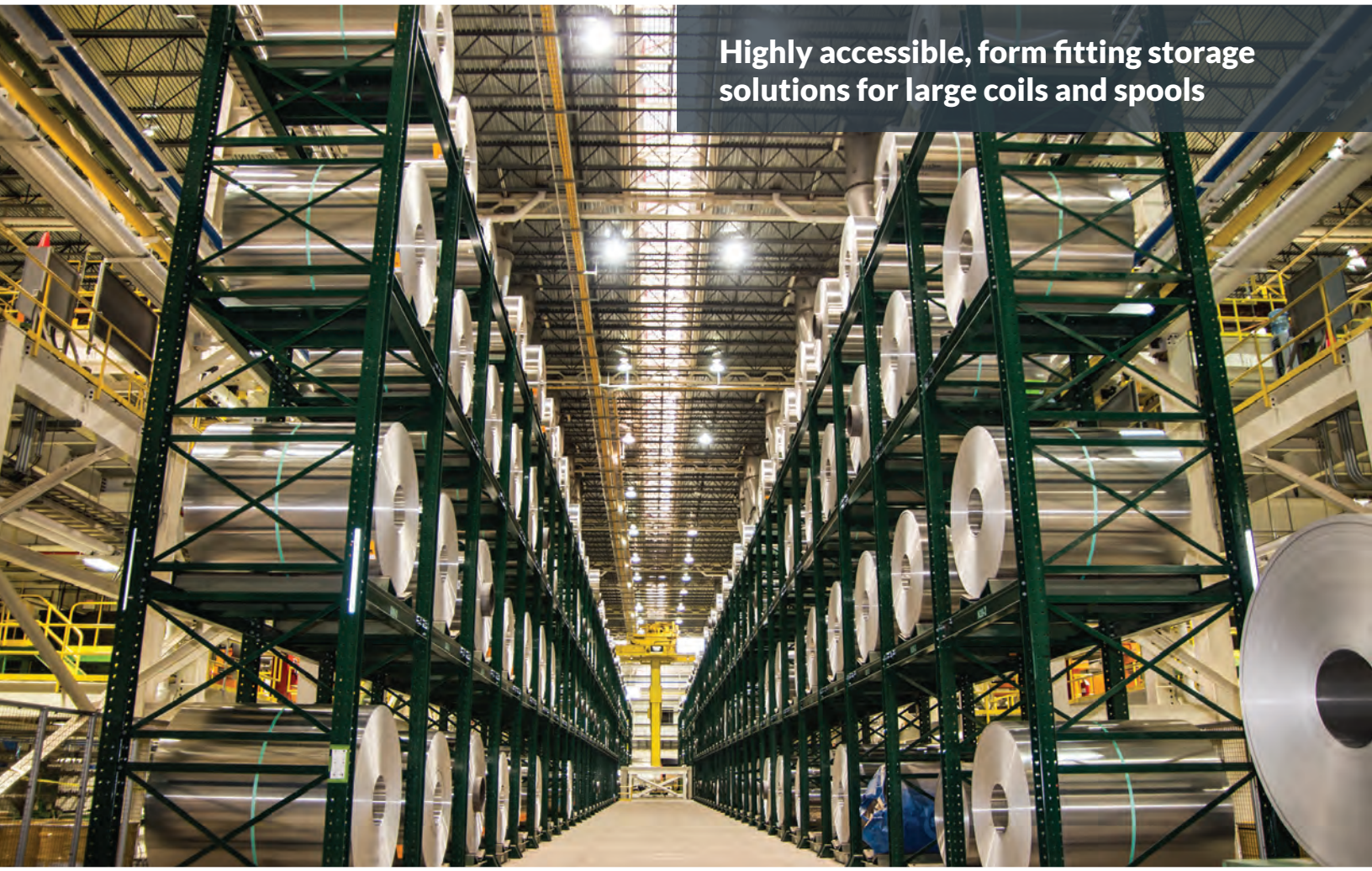
dexco®
STRUCTURAL STEEL
I-BEAM RACKING SYSTEMS

Dexco® Structural I-Beam Coil Racks

Highly accessible, form fitting storage solutions for large coils and spools



Safely storing and accessing metal coils can pose a real challenge. Ross engineers and manufactures giant, structural coil rack systems capable of handling massive loads. And like all of our storage solutions, Dexco Coil Racks are built only with structural steel components for superior quality, strength and durability. So if you've been tasked with sourcing a rack system to store 80,000 pound coils stacked four units high, then look to Ross to engineer a solution that meets your needs.

ROSS

Dexco® Structural I-Beam Coil Racks

Design Overview

Traditional floor storage of sheet coil takes up space on the manufacturing floor, can lead to costly material damage and can pose a safety hazard to workers. Dexco Coil Racks provide vertical storage capacity on high-strength shelves, where coils rest securely in customized cradles. This type of storage system offers many advantages including:

- **Organized, easy access:** A forklift with boom attachment is used to easily load and unload coils. When coils are needed, they can be quickly located and pulled, then loaded into machinery without having to change their orientation or be removed from pallets
- **Increased floor space:** Coil racks free up valuable space for manufacturing
- **Reduced material damage:** Coils are protected from creasing and flattening
- **Improved worker safety:** There is less risk of falls and injuries

Choose from standard designs or custom engineering. Standard designs offer the best value and shortest lead times.

Applications

- Steel
- Aluminum
- Other materials in coil form

dexco®
STRUCTURAL STEEL
I-BEAM RACKING SYSTEMS

Standard Features

Dexco Rack Systems are engineered using American Institute of Steel Construction (AISC) standards, which were developed to guide the design of large steel structures such as bridges and buildings. The stringent nature of these standards, coupled with Ross's conservative approach to structural rack design, mean you can be confident that your people and products are safe and secure. All vertical and horizontal members are manufactured using wide flange beams with a 50 KSI minimum yield, offering greater strength and durability compared to roll-formed steel. As a result, these racks better resist damage from material handling equipment and provide larger load capacity within a given space.

- Structural I-beam construction
- Full-depth coil cradles handle any coil size and weight
- Adjustable bolted shelf beam construction accommodates changing storage needs
- Shelf beams attach to the columns using A325 structural bolts. Predrilled holes are provided in upright baseplates for anchor bolt connections to the floor
- Shelf beams adjust in 4-inch increments
- Structural bolt-together brace systems offer lateral rigidity
- Modular design makes it easy to add more bays
- Columns and shelf beams are bundled for easy installation and cost-effective shipping
- Load capacities: Ross engineers racking systems to meet virtually any weight requirement. Typical systems support loads ranging from 2,000 pounds per tier up to 80,000 pounds per tier and higher

Optional Features

- Shelf beam adjustment in 3-inch increments
- Back stop beams to prevent stored items from being pushed off the back of the shelf
- Cantilever designs: coils hang on cantilevered arms rather than nesting on shelves. Available in single- or double-sided models
- Floor mount designs: coils are stacked on floor beams or placed in vertical compartments

Powder Coat Color Options

Traffic Yellow RAL 1023

Traffic Orange RAL 2009

Signal Red RAL 3001

Cobalt Blue RAL 5013

Moss Green RAL 6005

Terra Brown RAL 8028

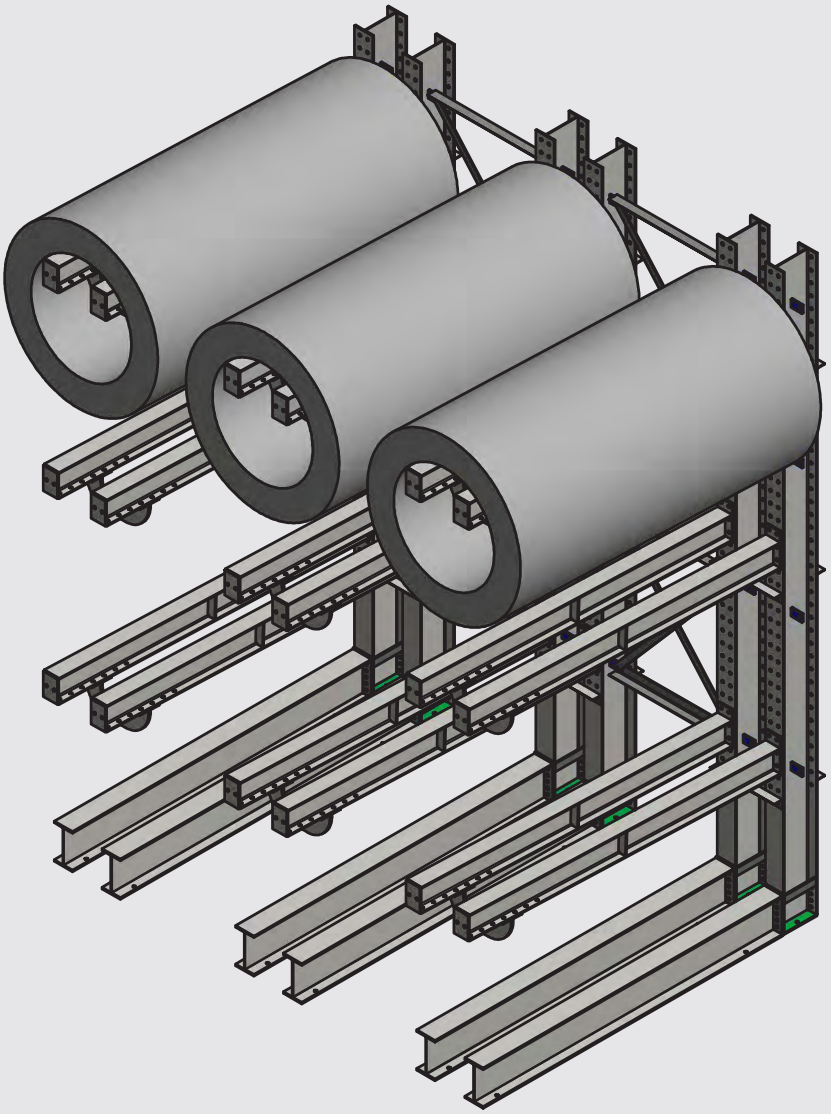
Ross Gray

Standard Finish

- Factory-applied powder-coated finish

Optional Finish

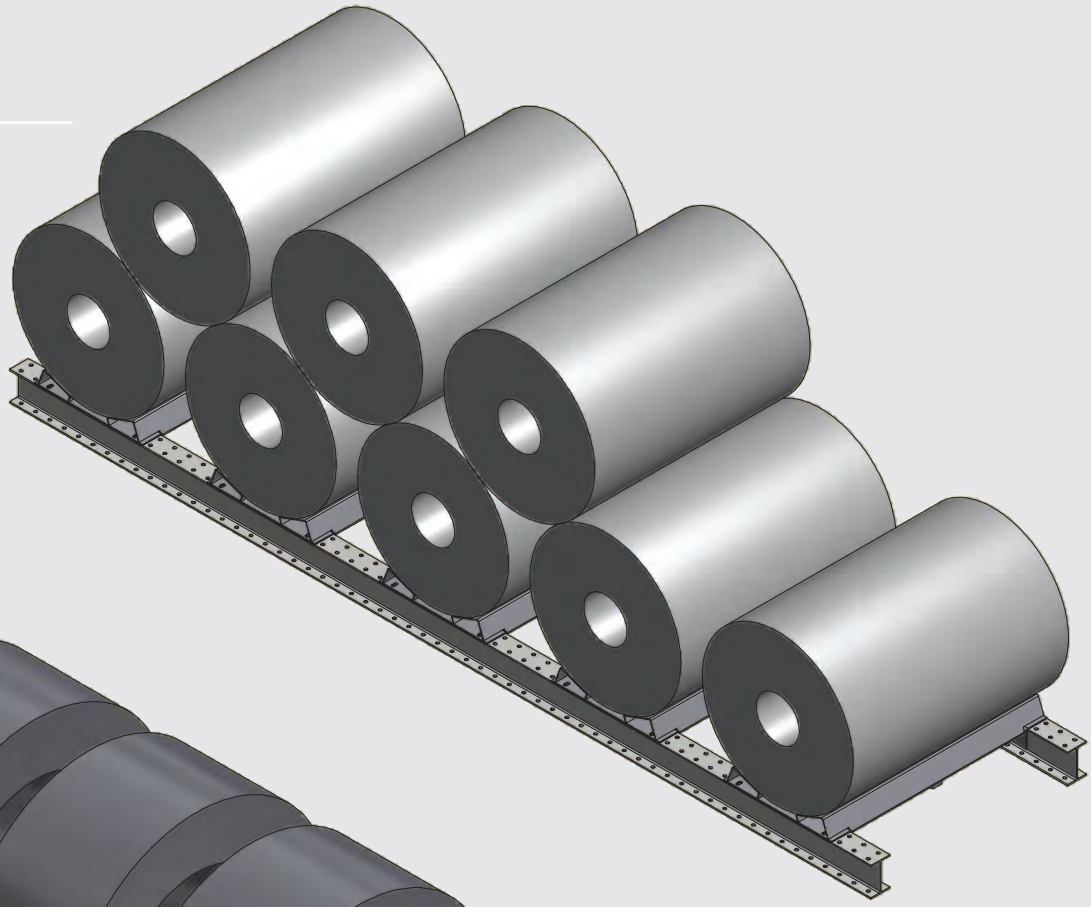
- Hot-dip galvanized coating

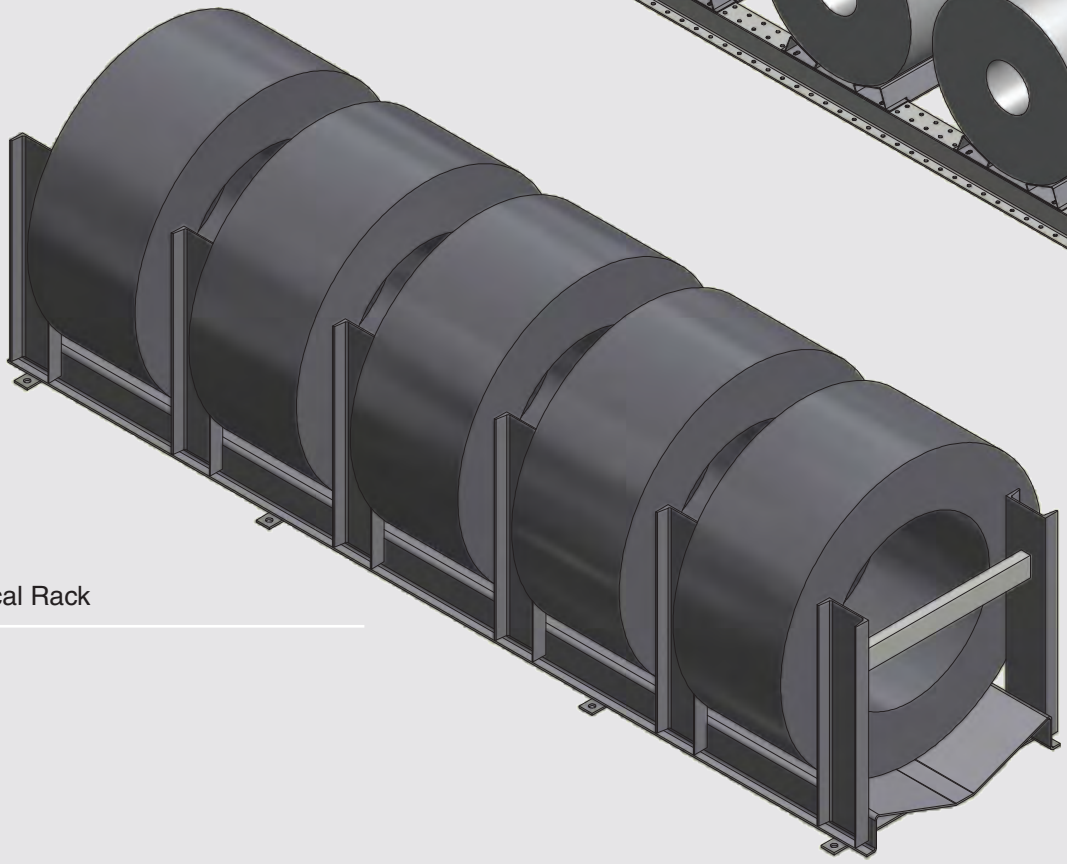


Dual Arm Rack

Optional Features

Floor Beam Rack

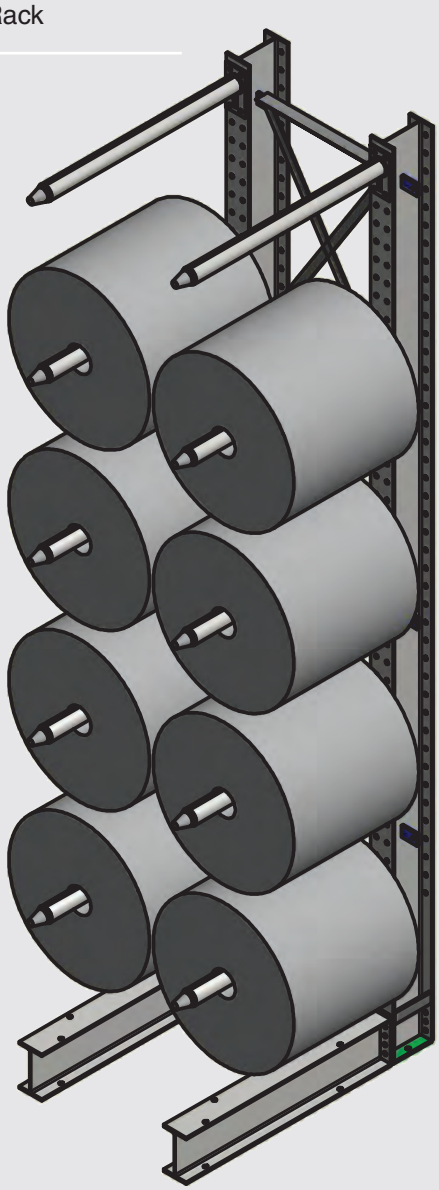


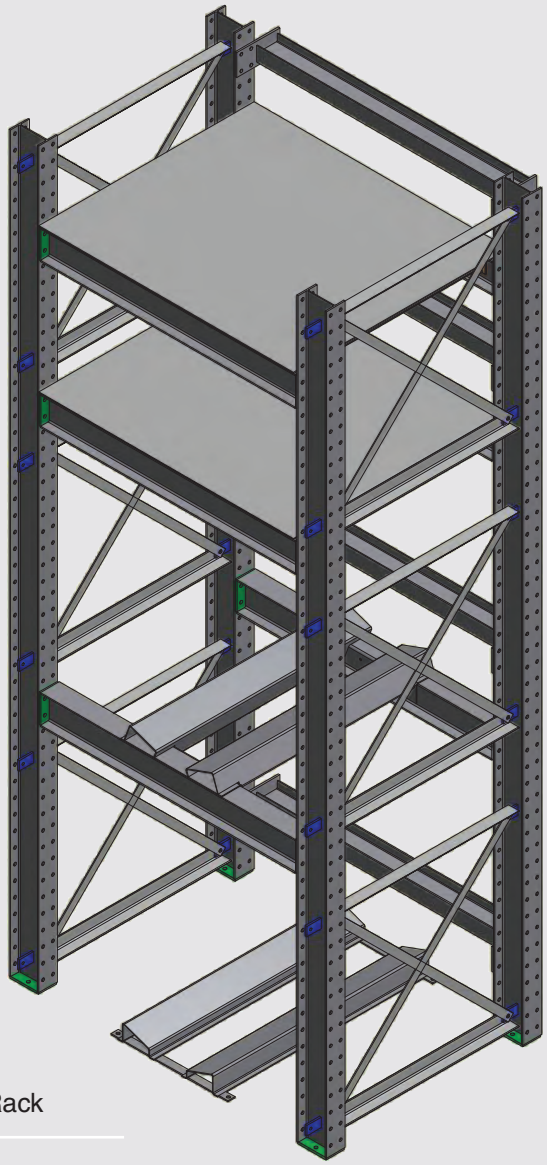


Vertical Rack

Optional Features

Pinarm Rack





Combination
Cradle-Plate Rack

dexco®
STRUCTURAL STEEL
I-BEAM RACKING SYSTEMS

Technical Information

Applicable Standards, Testing & Certifications

- ANSI/AISC 360, Specification for Structural Steel Buildings
- AWS D1.1/D1.1M, Structural Welding Code – Steel
- ASTM A572, Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel
- ASTM A36, Standard Specification for Carbon Structural Steel
- ASTM A325, Standard Specification for Structural Bolts, Steel
- ASTM A992, Standard Specification for Structural Steel Shapes

Quality Control

ISO 9001:2015

Installation Considerations

All components are bundled to make installation simple and shipping cost-effective. Detailed installation manuals are provided for your installation crew.

Availability & Cost

Ross offers both standard and custom engineered coil rack designs for a wide range of weight and capacity requirements. Standard designs offer the best value and shortest lead times.

Warranty

Ross warrants that all of its manufactured products shall remain free of defects in material and workmanship under normal use for a period of one year from the date of delivery.

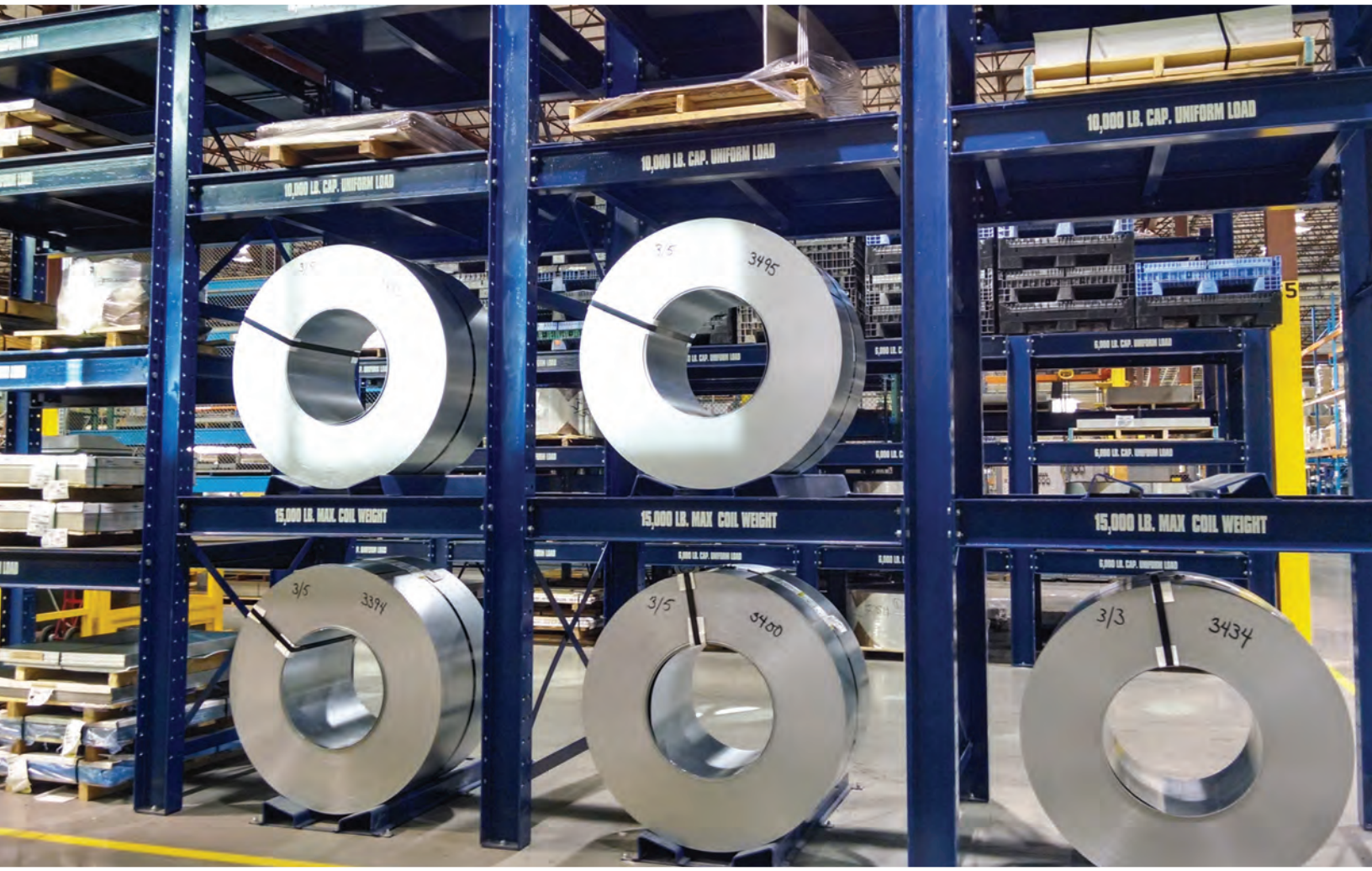
Maintenance

Semi-annual maintenance is recommended to 1) inspect structural components and welds for damage caused by overloading or forklift equipment; 2) tighten or replace missing bolts and anchors and; 3) confirm racks are plumb.

Technical Services

- Custom engineering and rack design
- Site specific drawings (available upon request with upcharge)

Product specifications and drawings may be downloaded at RossTechnology.com



Ross offers a complete line of structural steel racks

- Dexco Cantilever Racks
- Dexco Coil Racks
- Dexco Tool & Die Racks
- Dexco Salvage Yard Racks
- Dexco Specialized Racks
- Dexco Shed Racks

dexco®
STRUCTURAL STEEL
I-BEAM RACKING SYSTEMS

Ross
104 North Maple Avenue
Leola, PA 17540-0646
US: 800-345-8170
International: +01(717)656-2200
Fax: 717-656-3281
Email: sales@rosstechnology.com
RossTechnology.com