



**spacefile**<sup>TM</sup>

Storage Solutions. For Every Space.

[www.spacefile.com](http://www.spacefile.com)



# SDS<sup>TM</sup> MECHANICAL ASSIST



# EFFICIENT, ACCESSIBLE, ERGONOMIC.



LT SHELVING, LAMINATE END PANELS, GROUTED TRACK & CARPET FLOORING - CORPORATE





## **SDS MECHANICAL ASSIST ADVANTAGE**

Spacefile's SDS Mechanical Assist system offers exceptional strength, durability and unrivaled versatility for an extensive range of applications. An innovative gear reduction and drive system enables easy, ergonomic and simultaneous movement of multiple heavy-loaded carriages for highly efficient and accessible storage. Spacefile's SDS Mechanical Assist carriages are built to endure the toughest conditions, no matter what the application.

## **ERGONOMIC & ACCESSIBLE**

Ergonomic 3-spoke hand-wheels with revolving handles contribute to low-effort accessibility, even when moving heavily-loaded carriages. Multiple gear ratio's are available to accommodate different weight-loading and carriage lengths to ensure easy, ergonomic and efficient accessibility for any application.

## **ENGINEERED TO ENDURE, BUILT TO LAST**

Spacefile's SDS Mechanical Assist system is an industry leading product, which has been refined through decades of research, engineering, design and testing. Every component has been individually analyzed in precise detail and undergone the most rigorous testing procedures, contributing to virtually maintenance free operation. The SDS Mechanical Assist system comprises of the highest quality components on the market, setting a new industry benchmark for durability, safety and reliability.

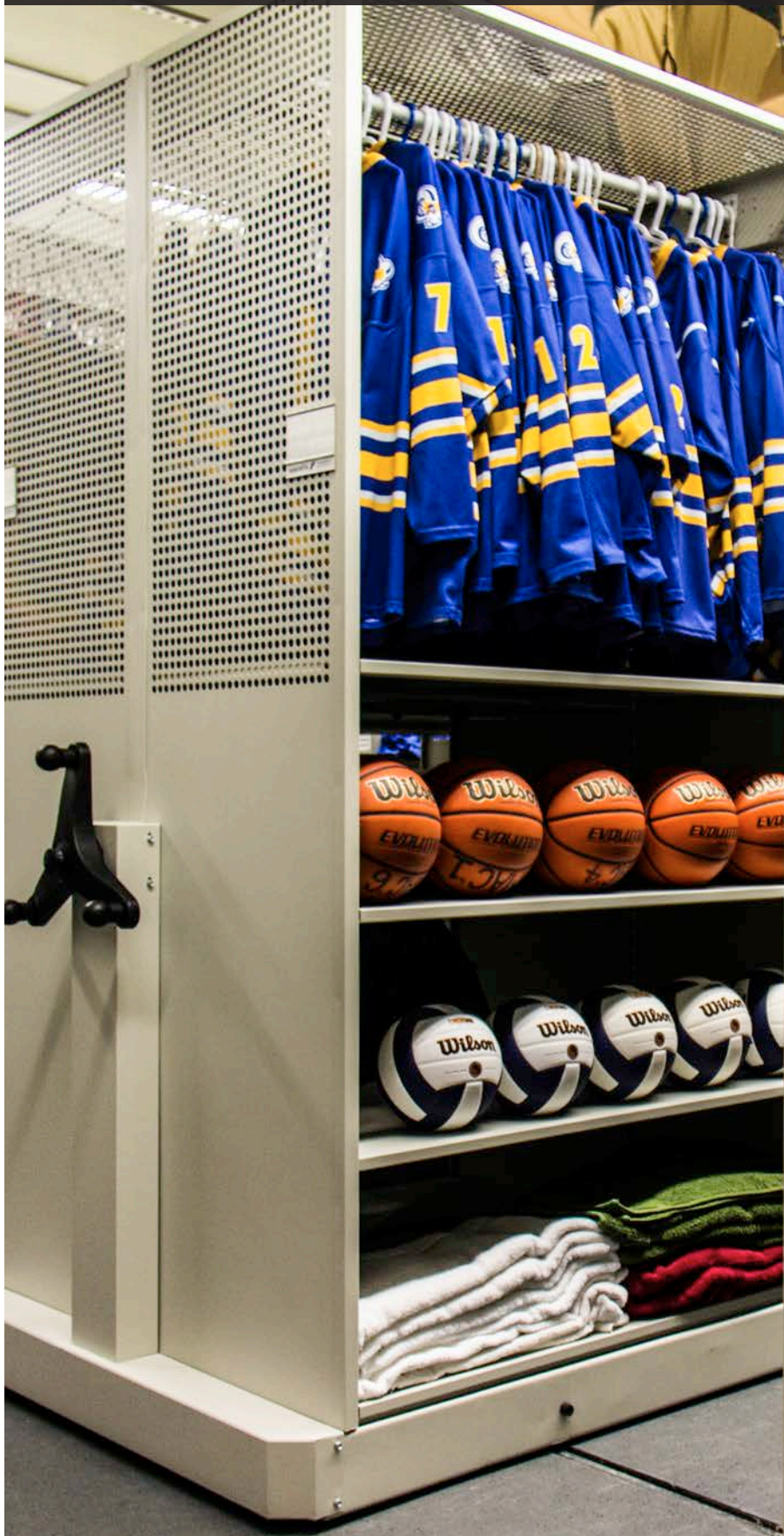
## **SAFETY FOREMOST**

Unlike conventional systems, anti-tip devices are a standard feature on all Spacefile mobile systems. Additional safety options include safety pin locking handles with visible indicators, mechanically assisted safety sweeps, overhead anti-tip devices and other custom safety devices.

## **HIGH DENSITY ADVANTAGE**

- Substantially reduces floor space requirements
- Custom sizes maximize every possible square inch of space
- Improved efficiency with a highly organized system
- Cost-effective lockable configurations

VERSATILE, CUSTOMIZABLE, ADAPTABLE.



LT SHELVING, PERFORATED STEEL SHELVES & UPRIGHTS, INLAID/RECESSED TRACK - ATHLETIC



## VARIETY OF SHELVING OPTIONS

SDS Mechanical Assist systems are designed to accommodate any of Spacefile's shelving products as well as integrate with third party shelving and custom storage solutions. Other unique options include carriages with heavy-gauge steel covers for open, large item storage as well as multi-purpose art/storage racks.

## MULTIPLE TRACK AND DECKING CHOICES

Spacefile's innovative and extensive line of track and decking configurations provide an ideal solution for any application and facilitate installation on virtually any surface. SDS carriages share common tracks and can be installed/relocated without requiring any modifications. ADA complaint ramps and seismic track options are available.

## CUSTOM ENGINEERED SOLUTIONS

Custom engineered carriages are available for unique applications. Our innovative and diverse product line coupled with our custom capabilities ensures complete optimization of any space.

- Precise custom carriage sizes/dimensions

- Custom wheel/rail positioning optimally distributes weight as required in raised access floor and other applications

- Rustproof galvanized steel carriages for wet/damp applications

- Front-facing quick-access shelving solutions

## MODULAR DESIGN - RECONFIGURE, REUSE & RELOCATE

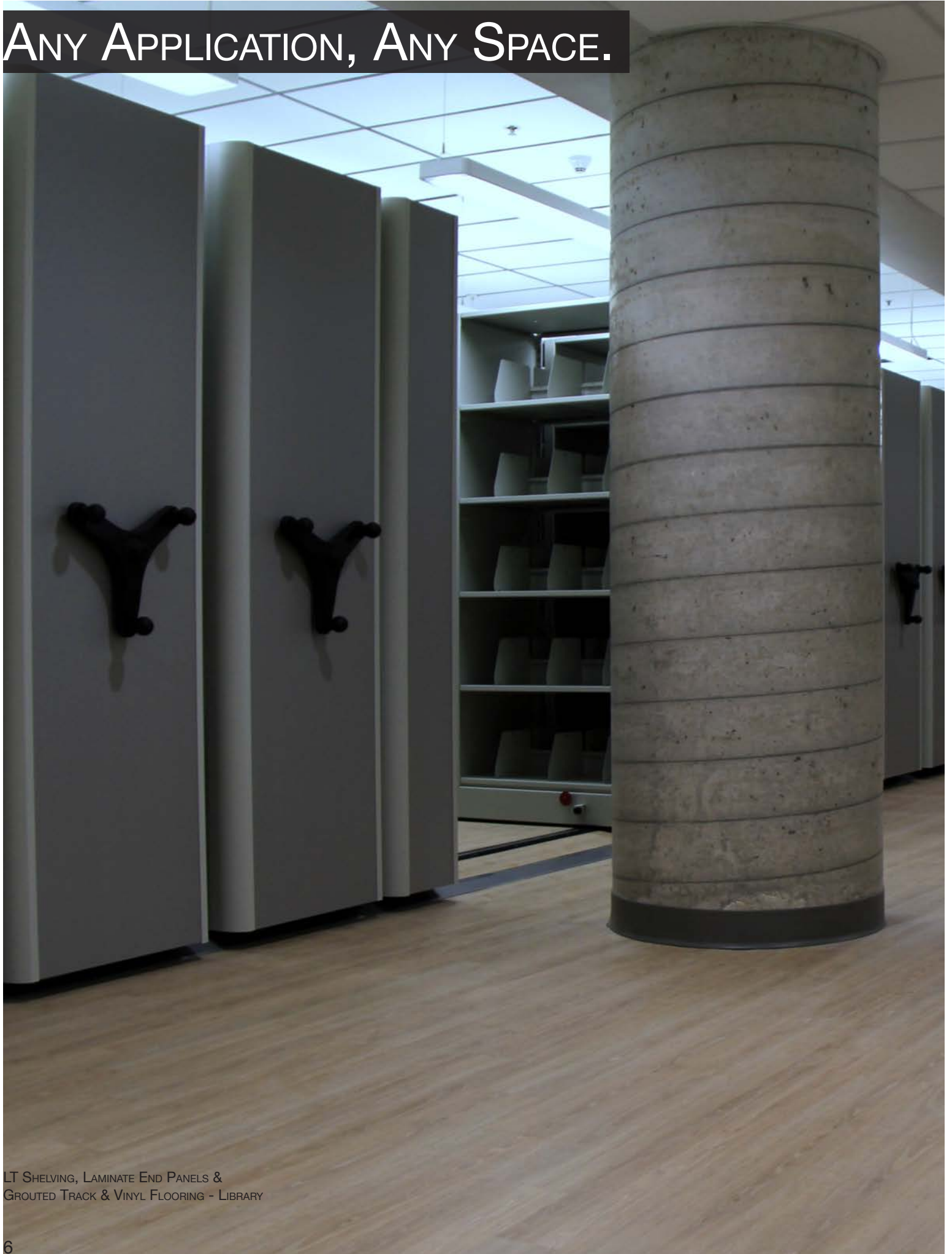
Expand, reconfigure and relocate your system with fully reusable components. SDS systems are designed to adapt to changing storage needs.

\*Refer to Spacefile's track options brochure for additional details on our diverse and unique selection of track and decking solutions

LT SHELVING, PARTICLE BOARD SHELVES,  
3-PIECE ALUMINUM TRACK - RETAIL



ANY APPLICATION, ANY SPACE.



LT SHELVING, LAMINATE END PANELS &  
GROUTED TRACK & VINYL FLOORING - LIBRARY



## **ACCESSORIES & COMPONENTS**

Spacefile manufactures a complete line of accessories and components that can be added or reconfigured to adapt to changing storage needs. Custom accessories are also available.

## **DURABLE POWDER COAT PAINT FINISH**

Spacefile's steel products are finished with powder coat paint, providing a durable, hard surface with superior performance qualities. Powder coating provides excellent abrasion, impact, corrosion, stain, and chemical resistance, exceeding industry standard scuff, scratch and chip requirements. Spacefile has 12 standard colors, along with an eco-friendly and anti-bacterial paint option. Custom powder coat paint colors are also available.

## **DECORATIVE & FUNCTIONAL ENHANCEMENTS**

Spacefile has a diverse selection of end panels that may be integrated with any of our systems. Laminate end panels are available in over 20 standard finishes as well as custom options. Additional choices include Spacefile's unique steel pegboards, dry-erase boards, glass, acrylic, steel and custom materials.

## **ENVIRONMENTALLY FRIENDLY**

Spacefile is committed to designing and manufacturing long-lasting, environmentally friendly products. SDS Mechanical Assist carriages are constructed primarily from sheet metal with an average of over 40% recycled content. Spacefile products may contribute to LEED accreditation. Powder coat paint emits negligible VOC's (volatile organic compounds) for a cleaner, healthier indoor environment.



ENGINEERED FOR ENDURANCE.



LT SHELVING, LAMINATE END  
PANELS, GROUTED TRACK & TILE  
FLOORING - CORPORATE



## **WELDED STEEL CARRIAGES**

Advanced welded frame construction provides the highest degree of structural integrity, rigidity and durability compared to any other design. SDS carriages are capable of withstanding immense loading of over 1,000 lbs per linear carriage foot. The welding process joins material at the atomic level for the strongest possible connection, ensuring maximum rigidity with absolutely no play or looseness over the entire carriage assembly.

## **DUAL-FLANGED 5" DIAMETER SOLID STEEL WHEELS**

5" forged and precision-machined solid steel wheels deliver maximum load capacity, impact strength and abrasion resistance. The unique manufacturing process achieves superior metallurgic and mechanical properties, offering the highest degree of structural integrity when compared to any other metalworking process. Dual-flanged wheels mesh with tracks to achieve maximum tracking ability and evenly dispersed loading for precise carriage alignment.

## **SOLID STEEL FULL-LENGTH DRIVESHAFTS**

A common straight-line solid steel driveshaft runs along the entire length of the carriage to direct-drive all wheels on one side. The solid steel shaft construction delivers significantly higher torque-limit and product life-span when compared to conventional hollow shaft designs. Solid steel driveshafts are connected through positive D-shaped interlocking shaft ends secured with tubular couplings, ensuring that there is absolutely no play or looseness over the entire length of the assembly. Fully-synchronized drive systems are available as an option for enhanced system stability and performance.

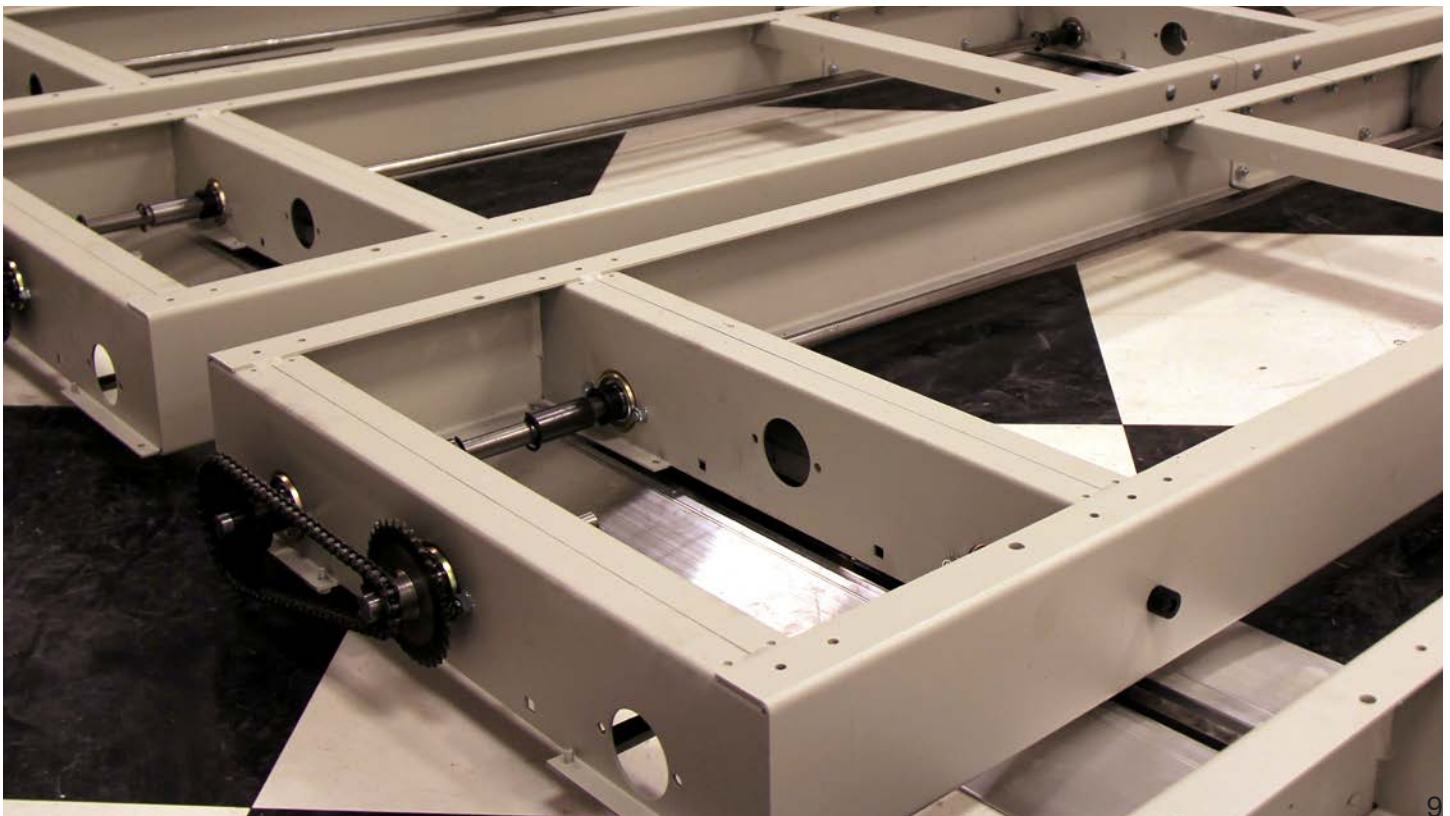
## **SELF-ALIGNING, PERMANENTLY SEALED & LUBRICATED BALL-BEARINGS**

Precision self-aligning ball-bearings ensure perfect shaft fit and alignment. Dual-bearing design utilizes two bearings per wheel for increased load capacity and lifespan. Ball-bearings are permanently sealed and lubricated to ensure smooth long-lasting operation.

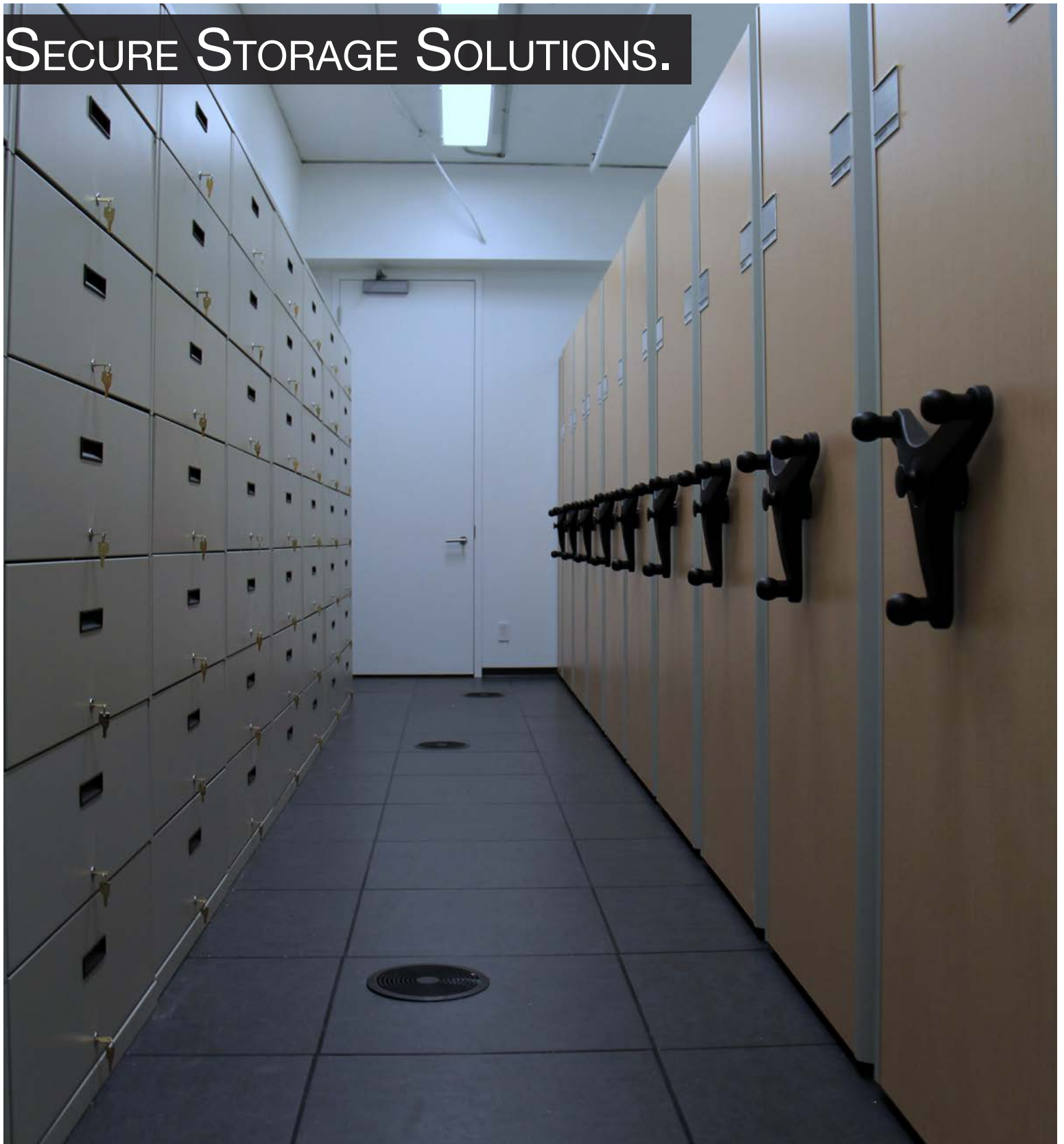
## **SELF-ADJUSTING CHAIN TENSIONER**

A floating chain tensioning device ensures proper chain tension for smooth system operation. The integrated chain tensioner is self-adjusting, requiring no user intervention.

SDS WELDED STEEL CARRIAGES,  
3-PIECE LOW-PROFILE TRACK



# SECURE STORAGE SOLUTIONS.



LOCKABLE PULL-OUT DRAWERS, THINLINE SHELVING, 3-PIECE TRACK,  
RAISED ACCESS FLOOR APPLICATION - CORPORATE

## **MULTIPLE COST-EFFECTIVE LOCKABLE CONFIGURATIONS**

A diverse selection of lockable configurations are available to meet virtually any security criteria. Locking devices include hub/handle locks, waist high plunger locks, tambour doors, hinged doors, flip down doors, padlocks and various other accessories (HIPPA & PIPEDA compliant configurations are available).





LOCKABLE HINGED DOORS, LT SHELVING, GROUDED TRACK & VCT FLOOR FINISH - PHARMACEUTICAL

HANDLE/HUB LOCK, LT SHELVING, STEEL BACK PANELS, GROUDED TRACK & CARPET FLOORING - CORPORATE





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