



Ritter®

MEDICAL

228 + 229 Barrier-Free® Examination Chairs

228 + 229 Barrier-Free[®] Exam Chairs

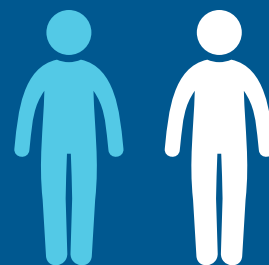
Your patients are changing.

The number of elderly and patients of size in the US is steadily growing, and nearly 44% of adults in America aged 65+ have a disability.¹ Assisting patients with mobility limitations onto exam chairs has become a frequently performed task. As a result, more than 50% of nursing assistants' illnesses and injuries relate to musculoskeletal disorders.²

Exam tables in ambulatory settings typically have a fixed height of 33 inches, requiring caregivers to assist or lift patients with mobility limitations. In some cases, patients are unable to get onto the exam table, which inhibits the exam process, lowers the quality of care received and diminishes desired outcomes. Accessible exam chairs are designed to support safer transfers and lift-assisted mobility.

82
million

US adults projected to be age 65+ in 2050—a 42% increase from the 58 million older adults in the US in 2022.³



Nearly 1 in 2 adults in the US aged 65+ have some form of disability.¹

5x

likelihood of patient-handling injuries when proper transfer equipment isn't used.⁴

Accessibility Standards

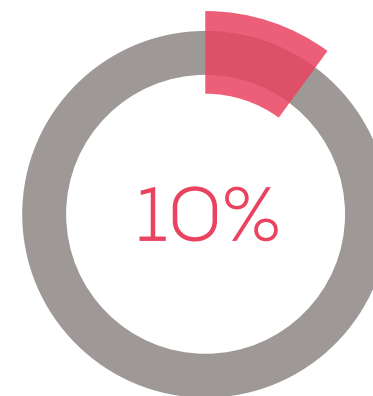
Healthcare is shifting—obesity, the aging population and disabilities are on the rise, creating a growing demand for accessibility. The US Access Board (USAB) is responding, and federal agencies are enforcing. Does your current equipment meet shifting accessibility standards? Here's what you need to know.

ARE YOUR EXAM CHAIRS COMPLIANT?

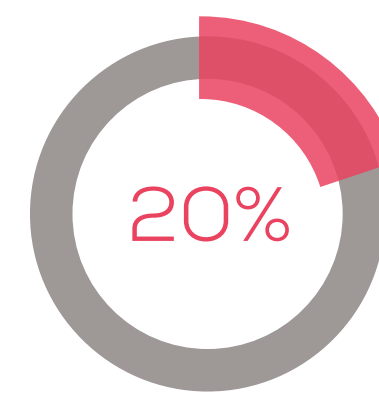
The Department of Justice (DOJ) and the Department of Health and Human Services (HHS) are actively enforcing the 2017 USAB medical diagnostic equipment (MDE) standards requiring a low seat height between 17-19 inches.⁵ In 2024 the USAB issued new MDE design standards, recommending a low seat height of 17 inches or less,⁶ which the DOJ and HHS have signaled their intent to adopt in the future.

IN 2026, EVERY FACILITY MUST HAVE AT LEAST

- 1 exam or procedure chair and weight scale that meet the 2017 USAB Standards.
- 10-20% compliant MDE when purchasing new equipment.



MDE at general healthcare facilities must be accessible.



MDE at rehabilitation facilities must be accessible.

INACCESSIBLE EQUIPMENT IS COSTING YOU

More than 30 years after the Americans with Disabilities Act was passed, most patients with disabilities are not receiving care on accessible medical equipment.⁷ This gap compromises the quality of care, leading to unmet healthcare needs, missed diagnoses, treatment delays, worsening disability and increased secondary health complications.⁸

We can help.

Ritter Barrier-Free® Examination Chairs by Midmark adjust in height from 17 to 37 inches, improving accessibility to the exam chair and reducing the likelihood of staff injury. One study found that using a height-adjustable exam chair instead of a fixed-height table can reduce caregivers' perceived physical exertion by as much as 95% to 98%.⁹



BUILT FOR CLINICAL RELIABILITY

Built on the trusted foundation of Midmark quality, the Ritter 228 and 229 Barrier-Free® Examination Chairs are designed for dependable performance in today's demanding clinical environments.

Using lifecycle testing informed by real-world usage patterns, the 228 and 229 demonstrated reliable performance under conditions more aggressive than observed field use, helping provide dependable operation, reduced downtime and confidence in high-volume patient care settings.

Ritter 228 + 229: Compliance without compromise

The Ritter 228 and 229 Barrier-Free® Examination Chairs offer compliance with the 2024 USAB accessibility standards⁶ without compromising patient comfort or provider ergonomics. These accessible exam chairs feature a 17-inch low seat height for easier patient access while maintaining a 37-inch working height to support ergonomic care.



- 01 The USAB-compliant Patient Support Rails assist patients in accessing the examination chair and provide a stable gripping surface while repositioning on the chair.
- 02 The Ritter 228 + 229 have USAB compliant 17-inch low seat heights (while maintaining 37-inch high seat heights).
- 03 The 28-inch-wide compliant transfer surface supports patient transfers
- 04 The chair is compatible with patient lifts and helps ensure safe patient transfers with no interference.
- 05 USAB compliant Articulating Knee Crutches support the patient's thigh, knee and calf during lower body exams and procedures.





Accessories
broaden
accessibility
and help
keep you in
compliance

STANDARD FEATURES



STIRRUPS + PELVIC TILT*
Help position patients properly and comfortably for lower-body examinations.



FOOT CONTROL
Standard foot control designed to make patient positioning quick, effective and always within reach.



TAMPER-RESISTANT RECEPTACLES*
Receptacles on both sides of the chair provide a power connection for devices.



SPLINE
The spline allows accessories to be integrated without tools.

OPTIONAL FEATURE



CLEAN ASSIST ROLLER SYSTEM
The retractable roller base allows you to safely move the chair for cleaning.



*Not available on 228-001 model

COMPLIANT ACCESSORIES

Your exam chairs must have these accessories to be USAB compliant.



PATIENT SUPPORT RAILS+
Help patients achieve proper and compliant arm positioning for phlebotomy procedures and blood pressure captures.



PATIENT SUPPORT RAILS
Provide patients with a USAB-compliant 1¼-inch-diameter continuous gripping surface for entering, exiting or repositioning on the procedure chair.



ARTICULATING KNEE CRUTCHES
Enhance patients' leg support and comfort while remaining compliant during lower body exams.

OPTIONAL ACCESSORIES



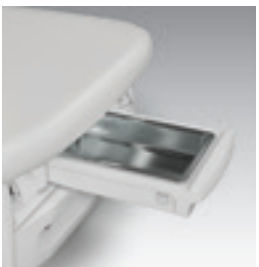
RITTER® 253 LED EXAM LIGHT
Designed with easy access controls, high-intensity light and an adjustable focal spot. Available in chair mount, wall mount and mobile options.



ASSIST ARMS
Provide patients with a stable gripping surface for entering, exiting or repositioning on the exam chair.



THICK FOOTREST PAD
Enhance patient comfort during medical examinations with the thick footrest pad accessory.



STAINLESS STEEL DEBRIS TRAY
Ideal for lower-body exams or other situations in which removal of fluid and debris is necessary.

COLOR OPTIONS

PREMIUM UPHOLSTERY COLORS

Mist 813

Stone 814

Restful Path 858

Iron Ore 851

Lunar Gray 845

Obsidian 857

Oasis 843

Soothing Blue 855

Dream 847

Mineral 844

Healing Waters 848

Shaded Garden 853

Citrus 849

Sandy Retreat 850

Curative Copper 846

Cranberry 859

Dark Linen 856

Latte 860

Robust Brown 852

Deep Earth 854

ULTRAFREE UPHOLSTERY COLORS

UltraFree Stone 865

UltraFree Restful Path 868

UltraFree Obsidian 867

UltraFree Harbor 861

UltraFree Wheatgrass 862

UltraFree Spice 863

UltraFree Cranberry 869

UltraFree Dark Linen 866

UltraFree Latte 870

UltraFree Branch 864

RITTER 228/229/626 COMPARISON CHART

	15.5" Seat Height (Uncompressed)	17" Seat Height (Uncompressed)	Powered Back	Clean Assist Roller System	Active Sensing Technology*	Lockout Hand + Foot Controls	Heated Upholstery	Integrated Digital Scale	650 lb Weight Capacity	500 lb Weight Capacity	Standard Rail Accessory Receivers	Tamper-Resistant Electrical Receptacles	Drawer Heater + Pelvic Tilt
626-001	•		•	•	•	•			•		•	•	•
626-002	•		•	•	•	•	•		•		•	•	•
626-003	•		•	•	•	•		•	•		•	•	•
626-004	•		•	•	•	•	•	•	•		•	•	•
626-005	•		•	•	•	•		•	•		•	•	•
626-006	•		•	•	•	•	•	•	•		•	•	•
229-002		•	•		•					•	•	•	•
229-003		•	•	•	•					•	•	•	•
228-001		•								•	•		•
228-002		•			•					•	•	•	•
228-003		•		•	•					•	•	•	•

SERVICES + SUPPORT

TECHNICAL SPECIFICATIONS

View technical specifications for the Midmark® 228 + 229 Examination Chairs.



SCAN TO
VIEW SPECS.

MIDMARK LIVE DESIGN

Our in-house design experts are ready to help you every step of the way.



SCAN TO
VIEW VIDEO.

MIDMARK DELIVERY SERVICES

Coordination, delivery and setup right on time, every time.



SCAN TO
VIEW YOUR
OPTIONS.

REPAIR + SERVICE

Explore available support and service plans so you can obtain the level of coverage you need to keep your medical equipment and devices operational. This includes periodic maintenance and periodic inspection plans, as well as extended warranty plans.



SCAN FOR
SUPPORT.

PROTECT YOUR INVESTMENT

Register your warranty today to receive prompt support when you need it.



SCAN TO VIEW.

SOURCES

- <https://www.cdc.gov/disability-and-health/articles-documents/disability-and-health-data-now.html>
- <https://www.osha.gov/hospitals/patient-handling>
- <https://www.prb.org/resource/fact-sheet-aging-in-the-united-states/>
- <https://www.mdpi.com/1660-4601/21/12/1659>
- <https://www.federalregister.gov/documents/2017/01/09/2016-31186/standards-for-accessible-medical-diagnostic-equipment>
- <https://www.federalregister.gov/documents/2024/07/25/2024-16266/standards-for-accessible-medical-diagnostic-equipment>
- <https://pmc.ncbi.nlm.nih.gov/articles/PMC8464497/>
- https://www.ncd.gov/assets/uploads/reports/ncd_medical_equipment_report_508.pdf
- https://www.researchgate.net/publication/303030501_Reducing_Occupational_Risk_to_Ambulatory_Caregivers

CARB 93120.2 Phase 2 Compliant and TSCA Title VI Compliant

The color examples shown are the best representation of the original material. Actual color may vary slightly. We strongly recommend that you contact Midmark Customer Experience at 1.800.MIDMARK to request a sample before placing your order.

Midmark is an ISO 13485 and ISO 9001 Certified Company. Certain products are not included. See the complete list at: midmark.com/ISO

For more information, contact your Midmark dealer
or call: 1.800.MIDMARK
Outside the USA call: 1.937.526.3662
or visit our website: midmark.com

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Ritter®