

# Ritter®

MEDICAL

## 224 + 225 Barrier-Free® Examination Chairs



# 224 + 225 Barrier-Free<sup>®</sup> Exam Chairs

Your patients are changing. The number of elderly and obese in the US is steadily growing, and one fourth of adults in America are disabled.<sup>1</sup> Assisting patients with mobility limitations onto exam chairs has become a frequently performed task. Although caregivers working in healthcare facilities are one of the most at-risk professions for musculoskeletal disorders,<sup>2</sup> little has been done to evaluate and reduce risk.

Exam tables in ambulatory settings typically have a fixed height of about 33 inches, requiring caregivers to assist or lift patients with mobility limitations. In some cases, patients are unable to get onto the exam table—this inhibits the exam process, lowers the quality of care received and diminishes desired outcomes.



**1 in 5**

Adults will be retired by 2030, for the first time in US history. Older adults are projected to outnumber children by 2035.<sup>3</sup>



**1 in 4**

Of the US population 65 years and older have some form of disability.<sup>1</sup>



How much greater the risk of musculoskeletal disorders for nursing assistants than other workers.<sup>4</sup>

## We can help.

Ritter Barrier-Free Examination Chairs by Midmark adjust in height from 18-37 inches, improving accessibility to the exam chair and reducing the likelihood of staff injury. In a recent study, caregivers reported dramatically less perceived physical exertion when using a height-adjustable exam chair versus a fixed-height table. In fact, results showed an actual 95% to 98% reduction in perceived physical exertion.<sup>4</sup>



### BETTER ACCESSIBILITY

Ritter 224 and 225 Barrier-Free exam chairs are designed to offer low and high positioning heights so you can provide better care to patients regardless of disability or other limitations.



# The path to better care begins with a better vital signs process.

Vital signs are the beginning of the patient-caregiver interaction, providing critical information related to changes in patient health and playing an important role in a physician's treatment decisions. The integration of EMRs, new technologies and automated devices can have a significant impact on the overall efficiency of the process. In fact, by bringing all vital signs capture (including weight) to the point of care using an automated device, you can save over a minute per patient.

Using a Ritter® Barrier-Free exam chair with an automated vital signs device like Midmark® Digital Vital Signs Device allows you to automate vital signs capture at the point of care, saving time and reducing transcription errors. Once vital signs data is captured, it can be imported directly into the EMR.



Midmark Digital Vital Signs Device with Masimo® optional SpO<sub>2</sub>





Accessories  
help add  
versatility +  
function to  
your exam  
chair

## 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.



**Accessory Receivers**  
Standard receivers allow for the integration of accessories without the use of tools.

## OPTIONAL FEATURE



**Clean Assist Roller System**  
The retractable roller base allows you to safely move the chair for cleaning.



## OPTIONAL ACCESSORIES



**Patient Support Rails+**  
Helps achieve proper positioning of the patient's arm for blood pressure capture.



**Patient Support Rails**  
Provides patients with a 1¼ inch diameter continuous gripping surface for entering, exiting or repositioning on the exam chair.



**Assist Arms**  
Designed to offer patients a stable gripping surface for accessing the chair and a sense of security during positioning.



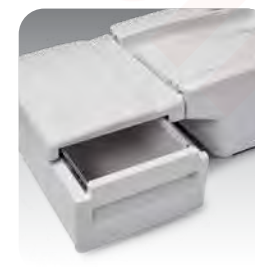
**Ritter® 253 LED Exam Light**  
Designed with easy access controls, high intensity light and an adjustable focal spot. Available in chair mount, wall mount and mobile options.



**Articulating Knee Crutches**  
The unique ball-socket design allows for a maximum range of adjustment, designed to ensure optimum knee and leg support.



**Stainless Steel Treatment Pan**  
Ideal for lower-body procedures or other situations in which removal of fluid and debris is necessary.



**Supply Assistant**  
Provides extra storage for bulky exam supplies. Keeps drapes, gowns and similar items within easy reach.

\*Pelvic tilt not available on 224-001 model.

# SPECIFICATIONS

## FEATURES

The Ritter® 224 has a gas-spring assisted back section with an easy access backrest mechanism while the Ritter 225 has a power back system. Both have adjustable low and high heights, built-in pillows, hideaway stirrups that lock in one of four lateral positions, foot extension shelves to expand the chair length, paper roll holders hidden under the headrest, storage for one 24" x 3.56" diameter paper roll, polystyrene treatment pans\*, foot control and leveling feet.

\*No debris tray available for model 224-001.

## Patient Weight Capacity:

500 lb (227 kg)

## Height:

Uncompressed Height:

18" Low/37" High  
(46 cm/94 cm)

## Seamless Upholstery Dimensions:

28" W x 60" L

(71 cm/152 cm)

## Length with Footrest Extended:

76" (193 cm)

Pelvic Tilt: 5 1/5°

Heated Drawer: 24.6 W

Heated Drawer Temperature:

92°F to 112°F at 115 VAC input voltage, 70°F ambient

Paper Roll Holder: Holds 24" x 3.56" dia. paper roll (61 cm x 9 cm)

Receptacle Electrical Draw: 4 A

Hospital-grade, electrical receptacles on left and right sides

Chair Weight: 409 lb (185 kg)

Shipping Weight: 465 lb (211 kg)

## Electrical Ratings

224-001: 115 VAC, 50/60 Hz, 9 A

224-002: 115 VAC, 50/60 Hz, 11.5 A

224-003: 115 VAC, 50/60 Hz, 11.5 A

225-002: 115 VAC, 50/60 Hz, 11.5 A

225-003: 115 VAC, 50/60 Hz, 11.5 A

## ACCESSORIES

Patient Support Rails+

Patient Support Rails

Assist Arms

Supply Assistant

Articulating Knee Crutches

Stainless Steel Treatment Pan

## STANDARD 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

-  Stone 865
-  Restful Path 868
-  Obsidian 867
-  Harbor 861
-  Wheatgrass 862
-  Spice 863
-  Cranberry 869
-  Dark Linen 866
-  Latte 870
-  Branch 864

\*ULTRALEATHER® by Ultrafabrics

## RITTER 224/225 COMPARISON CHART

	18" Seat Height (Uncompressed)	500 lb Weight Capacity	Power Base	Standard Rail Accessory Receivers	Power Back	Clean Assist Roller System	Active Sensing Technology*	Drawer Heater + Pelvic Tilt	Tamper-Resistant Electrical Receptacles	Debris Tray
225-002	•	•	•	•	•		•	•	•	•
225-003	•	•	•	•	•	•	•	•	•	•
224-001	•	•	•	•						
224-002	•	•	•	•			•	•	•	•
224-003	•	•	•	•		•	•	•	•	•

## SOURCES

01 <https://www.cdc.gov/ncbddd/disabilityandhealth/infographic-disability-impacts-all.html#:~:text=61%20million%20adults%20in%20the,Graphic%20of%20the%20United%20States.>

02 Bureau of Labor Statistics. <https://www.bls.gov/iif/>

03 <https://www.census.gov/newsroom/press-releases/2018/cb18-41-population-projections.html>

04 <https://www.bls.gov/iif/osch0060.pdf>



**USGBC**  
MEMBER

CARB 93129.2 Phase 2 Compliant and TSCA Title VI Compliant  
(applicable products)

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.

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007-10154-00 Rev. B1 (1/23)

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