

WalterLorenz™

Surgical Assist Arm



SAT

 **ZIMMER BIOMET**
Your progress. Our promise.®

MAKING **EVERY MOVE** COUNT

The WalterLorenz™ Surgical Assist Arm is a bionic, electromechanical arm impacting surgical retraction and instrument positioning by reducing fatigue, optimizing site exposure, and improving the overall academic experience and O.R. efficiency in the surgical environment.

Features and Benefits

- ▶ **Strength and Stability**
 - ▶ **Simple and Flexible Operation**
 - ▶ **Maximum Access and Visualization**
 - ▶ **Multidisciplinary Surgical Use**
 - ▶ **Innovative O.R. Optimization**
-



› Strength and Stability

- Fatigue-free retraction over long periods of time – no muscle weakness or tremors
- Position instruments and tissue without obstructing the surgical field of view
- Steady holding force for retraction and anatomical positioning
- Eliminates drift of instrumentation and retractors associated with human assistance



› Simple and Flexible Operation

- 6-Degrees of freedom mimicking the human arm
- Interchangeable distal arm lengths enable wide range of motion
- Simple, single-handed instrument positioning at the push of a button
- Rotating table rail clamp allows for advanced flexibility in cases of O.R. table tilting



Long Distal Arm



Short Distal Arm

› **Maximum Access and Visualization**

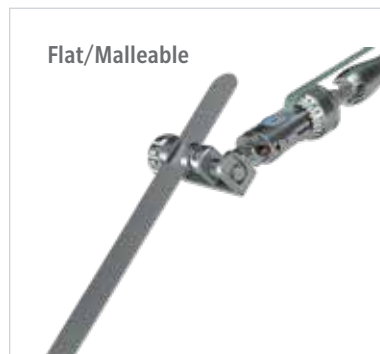
- Position instruments and retract tissue without obstructing the surgical field of view
- Unique, compact design allows for easy integration into the O.R. team
- Minimal shift in field-of-view during unlock/lock cycle
- Steady retraction for up to 8 hours when using the battery



› Multidisciplinary Surgical Use

- Developed in partnership with a group of leading multidisciplinary surgeons
- Ideal for use with semi-dynamic instrumentation in a variety of procedures
- Versatility in height, arm length, position along table, and angulation accommodates different surgical sites
- Use with Walter-specific instrumentation or Universal Instrument Holders

Universal Instrument Holders





› **Optimize O.R. Efficiency**

- Optimize O.R. scheduling
- Make staff available to focus on critical O.R. tasks
- Afford residents opportunity to practice surgical skills through active participation
- Disposable Kit allows for WalterLorenz to be transferred between O.R.'s without downtime at central sterile processing

Anatomy of the WalterLorenz™ Surgical Assist Arm

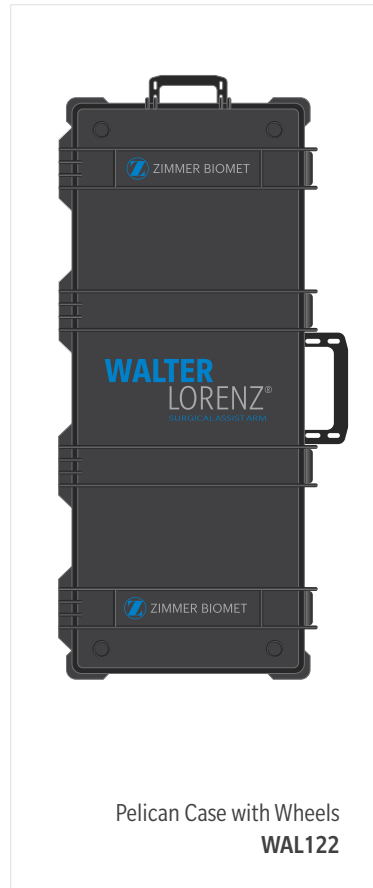
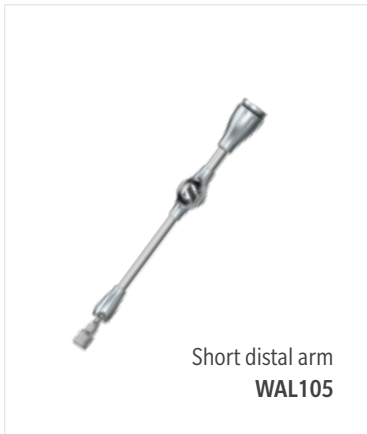
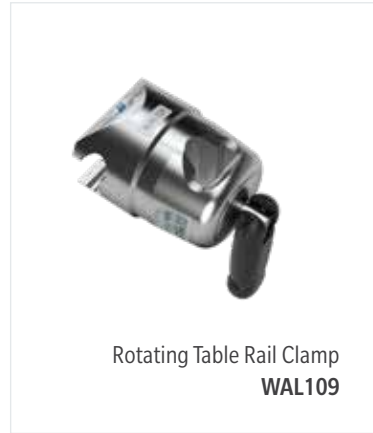
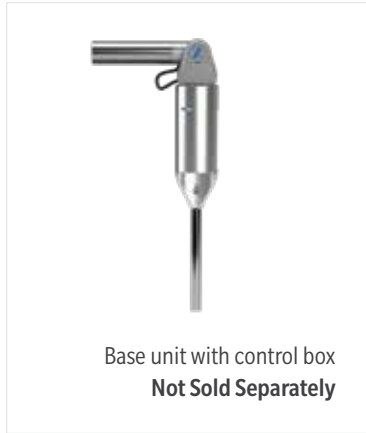
- 1. End Effector
- 2. Distal Arm
- 3. Proximal Arm
- 4. Control Box with User Interface Keypad
- 5. Walter Disposable Kit



User Interface Keypad

- Unlock button
- Battery indicator
- Power button

WAL100 - All Inclusive System*

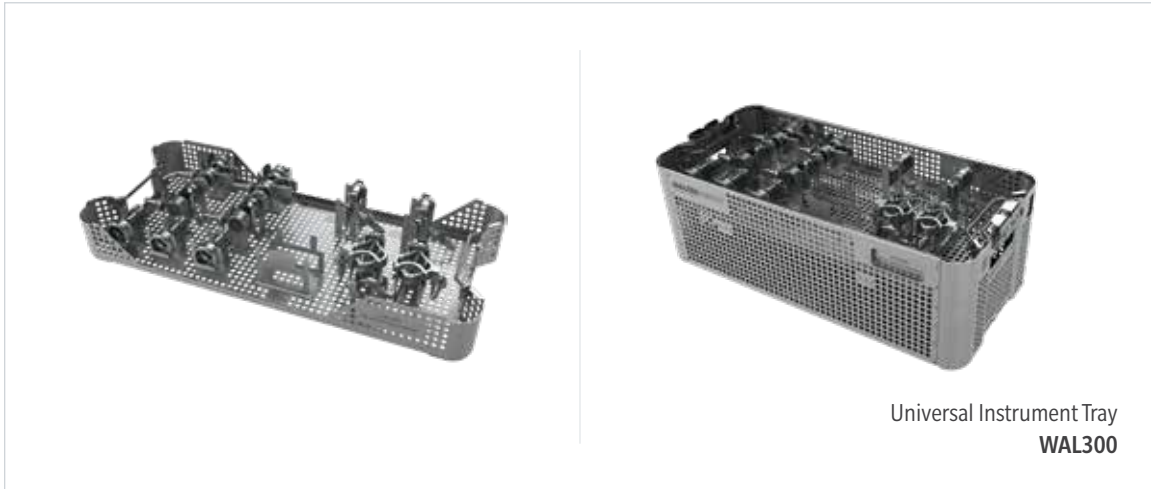


*WAL100 - All Inclusive System - Includes only items shown on this page

Items not to scale

Instrument Trays

A completely customizable solution for system attachments and instrumentation



Universal Instrument Tray
WAL300



*Tray sold separately

Finger Mat (only**)
WAL321



Tray Lid (only**)
WAL322

***WAL300** - Includes all items shown on this page. ** Additional parts can be purchased separately

Items not to scale

Attachments, Disposables, and Universal Instrument Holders



End Effector
WAL119



Walter Disposable Kit
WAL121



Flat/Malleable Universal
Instrument Holder - WAL301



Small Universal
Instrument Holder - WAL302



Forceps Universal
Instrument Holder - WAL304



Large Inline Universal
Instrument Holder - WAL317



Large 90° Universal Instrument
Holder - WAL316



Torque Relief Tool
WAL318

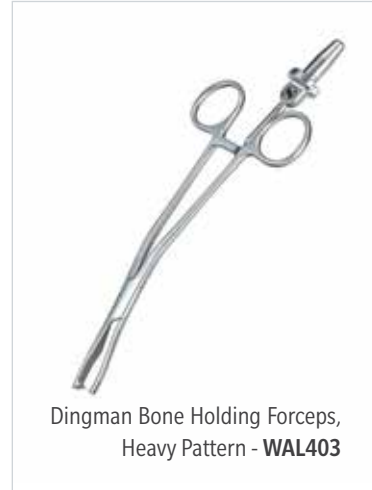
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General and Multi-Specialty Instruments



Items not to scale

CMF Instruments



Items not to scale

Spine Instruments



Items not to scale



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For more information on WalterLorenz™ Surgical Assist Arm and other Surgery Assisting Technology solutions, please contact us at:

BIOMET MICROFIXATION GLOBAL HEADQUARTERS

1520 Tradeport Drive • Jacksonville, FL 32218-2480

Tel 904.741.4400 • Toll-Free 800.874.7711 • Fax 904.741.4500 • Order Fax 904.741.3059

www.zimmerbiomet.com

EUROPE

Toermalijnring 600 • 3316 LC Dordrecht • The Netherlands

Tel +31 78 629 29 10 • Fax +31 78 629 29 12

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