

Surgical Technique



Acumed® is a global leader of innovative orthopaedic and medical solutions.



We are dedicated to developing products, service methods, and approaches that improve patient care.



Acumed® Arc Wrist Tower

For Wrist Arthroplasty and Fracture Reduction

Designed for the treatment of both soft tissue injuries and fractures of the wrist, the Arc Wrist Tower provides traction as well as versatile access during hand and wrist procedures.

When vertical, the Arc Wrist Tower is designed to provide traction for wrist arthroscopy; it can be rotated horizontally to provide access to the wrist during arthroscopic and fracture-reduction processes.

The adjustable wrist joint allows for flexion and extension. The support arm swivels 180 degrees about the patient's forearm and elbow, facilitating fluoroscopic imaging from any angle.

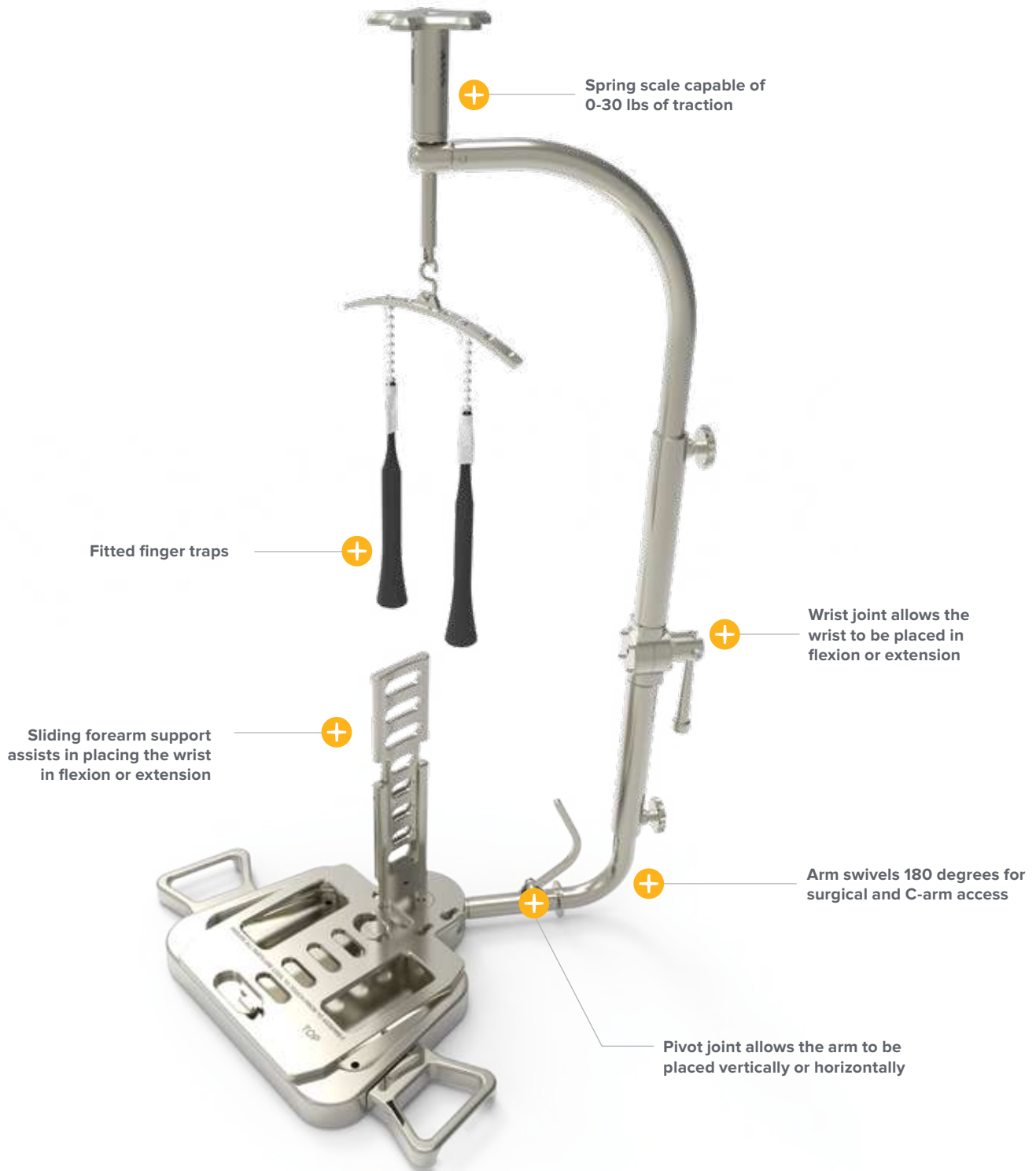
- ▶ Diagnostic Wrist Arthroscopy
- ▶ Arthroscopic Management of Wrist Injuries
- ▶ Distal Radius Fractures (intra-articular)
- ▶ Scaphoid Reduction and Fixation
- ▶ Ulnar Shortening

	Definition
Warning	Indicates critical information about a potential serious outcome to the patient or the user.
Caution	Indicates instructions that must be followed in order to ensure the proper use of the device.
Note	Indicates information requiring special attention.

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Arc Wrist Tower Features



Arc Wrist Tower Features [continued]



Vertical Scoping



Horizontal Scoping



Surgical Access



Versatile Fluoroscopic Imaging



Extra Set of Hands

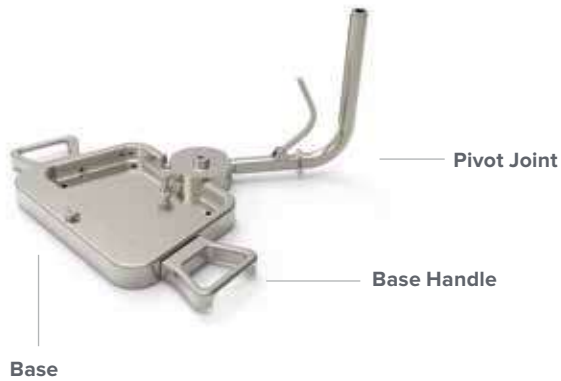


Ulnar Side Access

Arc Wrist Tower Assembly Instructions

Make sure all parts of the Arc Wrist Tower are cool to touch prior to assembly.

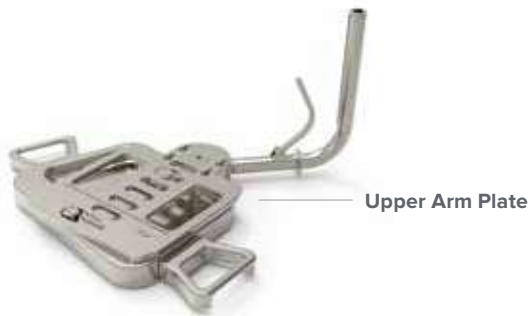
Figure 1



1 Assemble the two Base Handles onto the Base (optional). Place the Base on the hand table. Set the Pivot Joint subassembly onto the hole in the Base as shown.

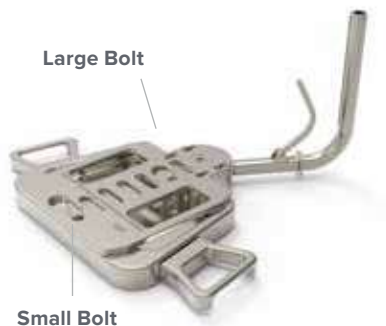
Warning: The Base Plate should be evaluated for residual heat. If it has been recently sterilized, sterile saline solution may also be used to cool the device if needed.

Figure 2



2 Place the Upper Arm Plate on the Base over the extrusion on the Pivot Joint and over the two shoulder bolts on the Base. Shift the Upper Arm Plate counterclockwise on the Base.

Figure 3



3 Rotate the Upper Arm Plate clockwise until the head of the smaller bolt is above the small circular depression in the Upper Arm Plate.

Warning: HAND TIGHTEN both bolts. Do not use mechanical instruments (eg pliers) to tighten bolts.

Arc Wrist Tower Assembly Instructions [continued]

Make sure all parts of the Arc Wrist Tower are cool to touch prior to assembly.

- 4** Place the Wrist Joint over the Pivot Joint tube. Align the pin on the inside of the Wrist Joint tube with the short slot on the Pivot Joint. Slide it down approximately 1/4 inch until it stops.



Figure 4

- 5** Rotate the Wrist Joint subassembly 180 degrees and slide it down the tube. Lock the height with the Rosette Knob.



Figure 5

- 6** The Upper Arc is assembled to the Wrist Joint in the same manner as in Step 4. However, in this step, the Upper Arc will be pointing away from the device.

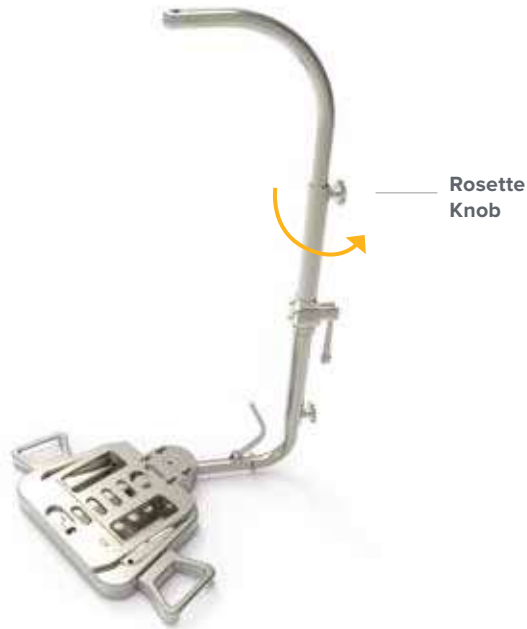


Figure 6

Arc Wrist Tower Assembly Instructions [continued]

Make sure all parts of the Arc Wrist Tower are cool to touch prior to assembly.

Figure 7



7 Like Step 5, rotate the Upper Arc 180 degrees into the correct orientation, slide it down, and lock the height with the Rosette Knob.

Figure 8



8 Screw the Spring Scale through the threaded hole on the Upper Arc until it bottoms out. This will allow a maximum range of distraction. Hook the Finger Trap Bar onto the bottom of the Spring Scale.

Arc Wrist Tower Assembly Instructions [continued]

Make sure all parts of the Arc Wrist Tower are cool to touch prior to assembly.

- 9** The Base Plate should be evaluated for residual heat if it has been recently sterilized.

Prior to positioning the patient's arm in the tower place a towel or pad on the Base. Place the patient's arm on the Wrist Tower. Strap the arm at the elbow to the Upper Arm Plate using the long (36") disposable Arm Strap. The Arm Strap for holding the arm to the Base Plate goes through the base and not around the table. Secure the strap as close to the elbow as possible to minimize lift of the elbow during traction.

Note: If needed, sterile saline may be used to cool the device. The upper arm strap will go over the sterile tourniquet.

Figure 9



- 10** The Sliding Forearm Support is connected to the Base Plate on the ulnar side of the forearm. A towel placed between the Sliding Forearm Support and the patient's forearm helps cushion the skin.

Raise the support to the desired position. Use the small (24") Arm Strap to secure the forearm to the Sliding Forearm Support.

Figure 10



Figure 11

Arc Wrist Tower Assembly Instructions [continued]

Make sure all parts of the Arc Wrist Tower are cool to touch prior to assembly.

Figure 12

11 Position the Wrist Joint to line up with the patient's wrist by adjusting the lower Rosette Knob. Place the desired Finger Traps on the patient and lock the Ball Chains into the Finger Trap Bar.

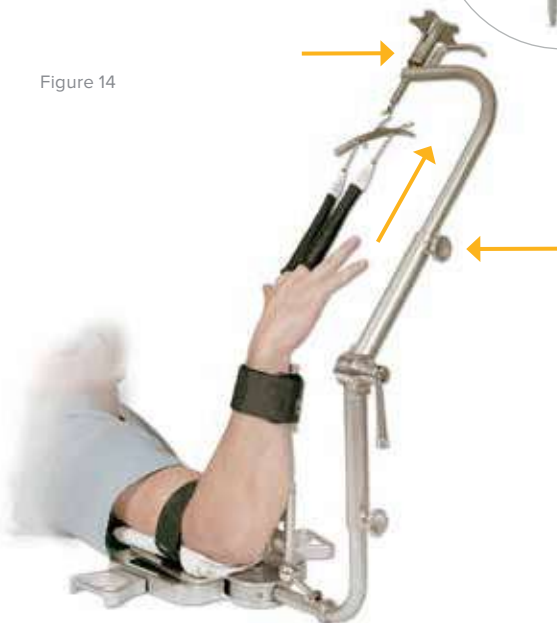


Figure 13

12 Once the wrist joint is lined up and finger traps are on the patient, lengthen the upper arc by adjusting the upper Rosette Knob. Use the Spring Scale to make fine adjustments.

Note: The amount of traction applied is indicated by the bottom edge of the disk within the Spring Scale (Figure 14).

Figure 14

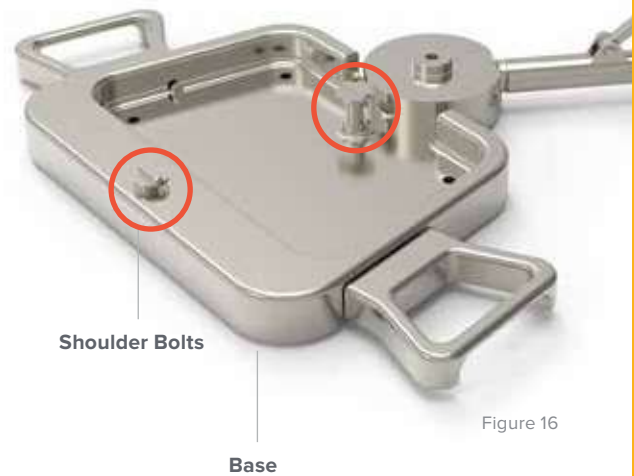
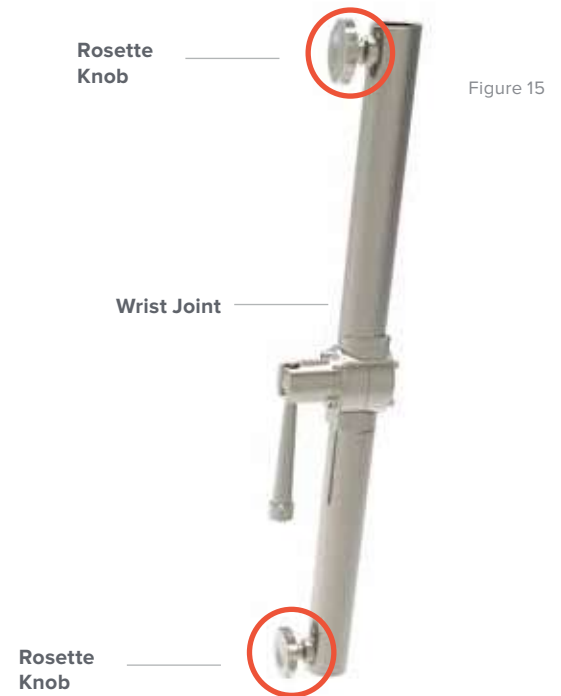


Arc Wrist Tower Disassembly Instructions

Some components on the Arc Wrist Traction Tower are not intended to be taken apart at the end of a case. These small subcomponents can become lost during sterile processing.

Caution: Do not remove either of the Rosette Knobs (Figure 15) on the Wrist Joint section, as they are retained from the inside by "E-clips." The two Shoulder Bolts (Figure 16) on the base are also not intended to be removed.

Note: Per the Instructions For Use, once finger traps and arm straps have come in contact with a patient, they must be discarded.

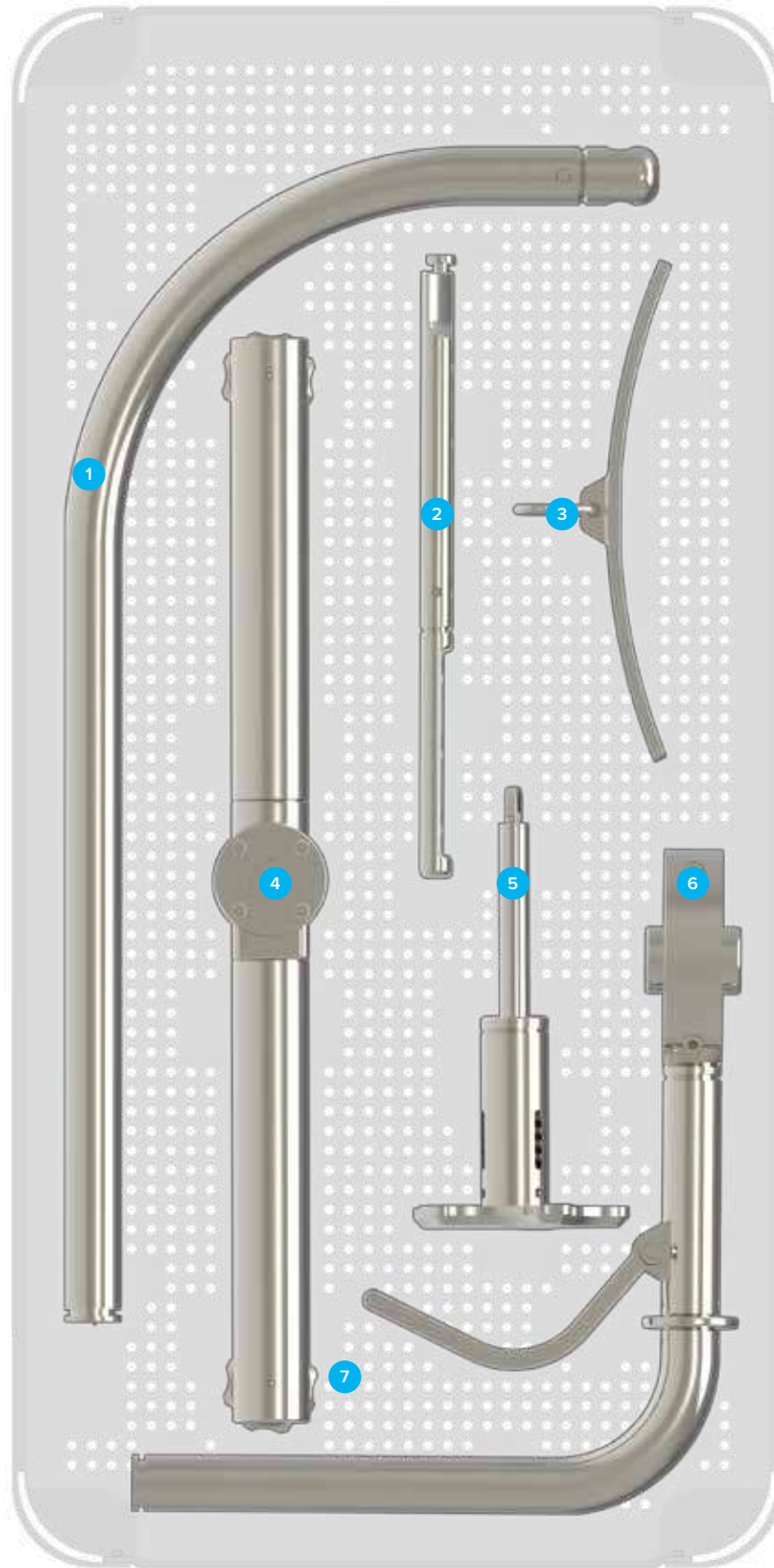


Ordering Information

Tray Components

Arc Wrist Tower Component Pieces

1	Upper Arc	10100015	5	Spring Scale	10100016
2	Sliding Forearm Support	10100019	6	Pivot Joint Subassembly	10100013
3	Finger Trap Bar and S-Hook	10100017	7	Rosette Knob	10150143
4	Wrist Joint Subassembly	10100014			



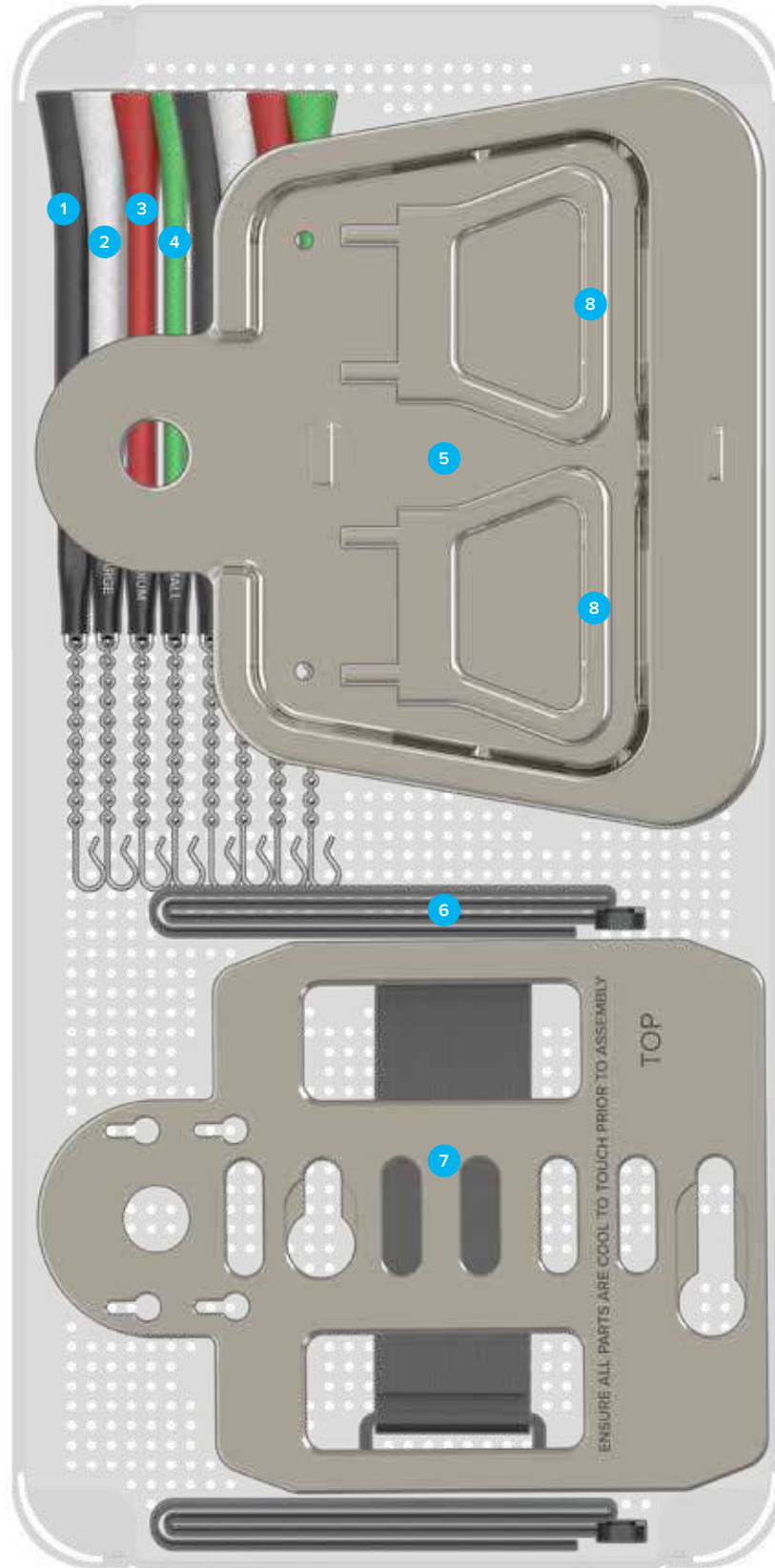
Ordering Information [continued]

Tray Components

Arc Wrist Tower Component Pieces			
1	X-Large Finger Trap (2 ea.)	10170054	
2	Large Finger Trap (2 ea.)	10170053	
3	Medium Finger Trap (2 ea.)	10170052	
4	Small Finger Trap (2 ea.)	10170051	
5	Base	10100010	
6	Arm Strap Set (Includes 1 Forearm & 1 Upper Arm Strap)	10170060	
7	Upper Arm Plate		10150102
Optional Pieces			
8	Base Handle		10100018

Arc Wrist Tower Components

Arc Wrist Tower	
Trays (both are included)	10100002/3
(Includes Arc Wrist Tower, Trays, 1 set of Arm Straps, and 1 set of Sm, Med, Lg, and XL Finger Traps)	10100000
Rental Pieces	
Tower Rental - Single Case	
(Includes usage of Tower, 1 set of Finger Traps (all sizes) and 1 set of Arm Straps)	Rental Fee - S
Tower Rental - One Week	
(Includes usage of Tower, 1 set of Finger Traps (all sizes) and 1 set of Arm Straps)	Rental Fee - W





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