

# Tourniquet Systems

A Personal Focus. A Personalized Fit.





# Tourniquet Capital Equipment

## A.T.S.<sup>®</sup> 5000 and A.T.S.<sup>®</sup> 3200 Tourniquet Systems

Zimmer Biomet's **market-leading** Tourniquet Portfolio makes personalization a priority. Designed with efficiency in mind, our inclusive catalog of dual and single-port tourniquet systems, accessories and cuffs provide a comprehensive selection of solutions to help prioritize patient comfort while meeting the unique needs of surgeons and healthcare facilities.



# A.T.S. 5000 Tourniquet System

The A.T.S. 5000 Tourniquet System delivers a personalized experience for both patients and healthcare providers.

Combining customizable surgeon profiles with Personalized Pressure® Technology and multiple ways to measure Limb Occlusion Pressure (LOP), our dual-port tourniquet system equips surgeons with efficient tools that meet their preferences without disrupting workflow. These features help support the goal of delivering the minimum required tourniquet pressure to help minimize post-operative pain, while maintaining a bloodless surgical field.

## EZ Method for Measuring Limb Occlusion Pressure (LOP)

The EZ Method allows surgeons to perform LOP measurements with no additional sensor. The integrated barcode scanner automatically recognizes disposable dual-port cuffs identified as EZ LOP compatible by scanning the cuff's barcode. Without the need to utilize a non-sterile sensor, workflow is simplified.<sup>3</sup> Additionally, EZ Method offers the ability to perform the measurement closer to tourniquet cuff inflation.

## Personalized Pressure Technology

Personalized Pressure Technology determines the minimum amount of tourniquet pressure required based on the patient's particular anatomy and can help OR Staff choose a more individual, often lower, tourniquet pressure.<sup>1</sup> One study demonstrated that applying lower tourniquet pressure resulted in less post-operative pain for patients.<sup>2\*</sup>

\*The A.T.S. 5000 was not used in this study.



## Advanced IV Pole Kit and Roll Stand Kit

Our tourniquet systems can be paired with our durable Roll Stand and IV Pole Kits. Each stand includes an accessory basket and features 360-degree spin, adjustable cord locks to avoid tangling, a convenient handle for easy movement and locks on each wheel to avoid involuntary movement in the OR.





## A.T.S. 5000 Features

**Protocols (1)** - Allows for customization of pressure, time, LOP, safety margins\*\* and deflation preferences.

**Safety Margins\*\* (2)** - The A.T.S. 5000 considers anticipated changes in blood pressure during the procedure by adding an additional safety margin to the LOP value at the end of the LOP determination.

**EZ Method Cuff Barcode Scanner (3)** - Automatically recognizes cuffs identified as “EZ LOP Ready” by scanning the cuff’s barcode. The cuff details are displayed on the screen for review.

**Dual Port Technology (4)** - One port is dedicated to inflating and deflating the cuff and the other is dedicated to monitoring pressure.

**Distal LOP Sensor (5)** - Identifies signal quality in 1-2 seconds and includes an on-sensor quality indicator, plus an option for remote initiation of LOP measurement.

## Customize Your Preferences with Protocols

With just two touches on the home screen, surgeons can access Protocols and create their personalized profile. Pressure, time, LOP, safety margins\*\* and deflation preferences can now be customized beyond the device’s default settings.

### Deflation Protocols offer two pre-programmed sequences of pressure regulation

#### Cyclic Deflation

Cycles between the inflated pressure setpoint and fully deflated setpoint states allowing a brief reperfusion of the limb and control of metabolites prior to the end of the procedure

#### Step Deflation

Decreases the cuff pressure by 50 mmHg until the cuff is fully deflated, which can allow for the surgeon to check for bleeding vessels prior to complete deflation

\*\*The A.T.S. 5000 will take into account anticipated changes in blood pressure during the procedure by adding an additional safety margin to the LOP value at the end of the LOP determination. “Custom” safety margins can be user-selectable in the protocols between 50 mmHg and 100 mmHg.



A.T.S. 5000 Tourniquet  
w/ Hoses 60500010100



A.T.S. 3200 Tourniquet  
w/ Hoses 60320010100

## System Features and Benefits

	Zimmer A.T.S. 5000	Zimmer A.T.S. 3200
Number of Ports	Dual Port	Single Port
Number of Potential Cuffs	Dual Cuff	Dual Cuff
Mounting Options	Table or Pole Mount	Table or Pole Mount
Battery Type and Life	Lithium Ion 6 hrs	Lithium Ion 6 hrs
User Interface	Touchscreen	Touchscreen
International Alarm Standard 60601-1-8	Compliant	Compliant
Display	10.1" Color	8.0" Color
Minimum/Maximum Pressure	20/600 mmHg	20/600 mmHg
Pressure Accuracy	±3 mmHg (20–600 mmHg)	±4 mmHg (20–600 mmHg)
Limb Occlusion Pressure (LOP) ▼	Yes	No
Allows for patient-specific pressure, which allows for the minimum pressure to be used.		
Line Occlusion Detection (Acoustic Reflectometry) ▼	Yes	Yes
A kinked pneumatic tube can prevent an inflated cuff from deflating, resulting in unintentional tourniquet pressure. This alarm alerts OR staff that there is an occlusion in the line to the cuff.		
Cuff Alert ▼	Yes	Yes
If OR staff tries to turn off the device and there is still pressure in the cuff, OR staff will be alerted. This ensures that an inflated cuff is not unintentionally left on a patient.		
Automatic IVRA Cuff Lock Out ▼	Yes	Yes
If both cuffs are inflated, users are warned before deflating the second cuff. This takes the guess work out of IVRA procedures and potentially deflating both cuffs simultaneously. Additionally, the cuffs will stay inflated in the event of loss of both A/C and back-up battery power to the tourniquet machine.		
Advanced Leak Detection ▼	Yes	Yes
Monitors the cuff and hoses for minor variations intraoperatively with the intention of reporting potential cuff/hose leaks. The machine will automatically maintain the pressure set point.		
Pre-Op Cuff Test ▼	Yes	Yes
Checks for cuff leaks prior to use to avoid putting a new cuff on a patient in the middle of a procedure.		

▼ Proprietary Safety Feature

# Disposable Contour Cuffs

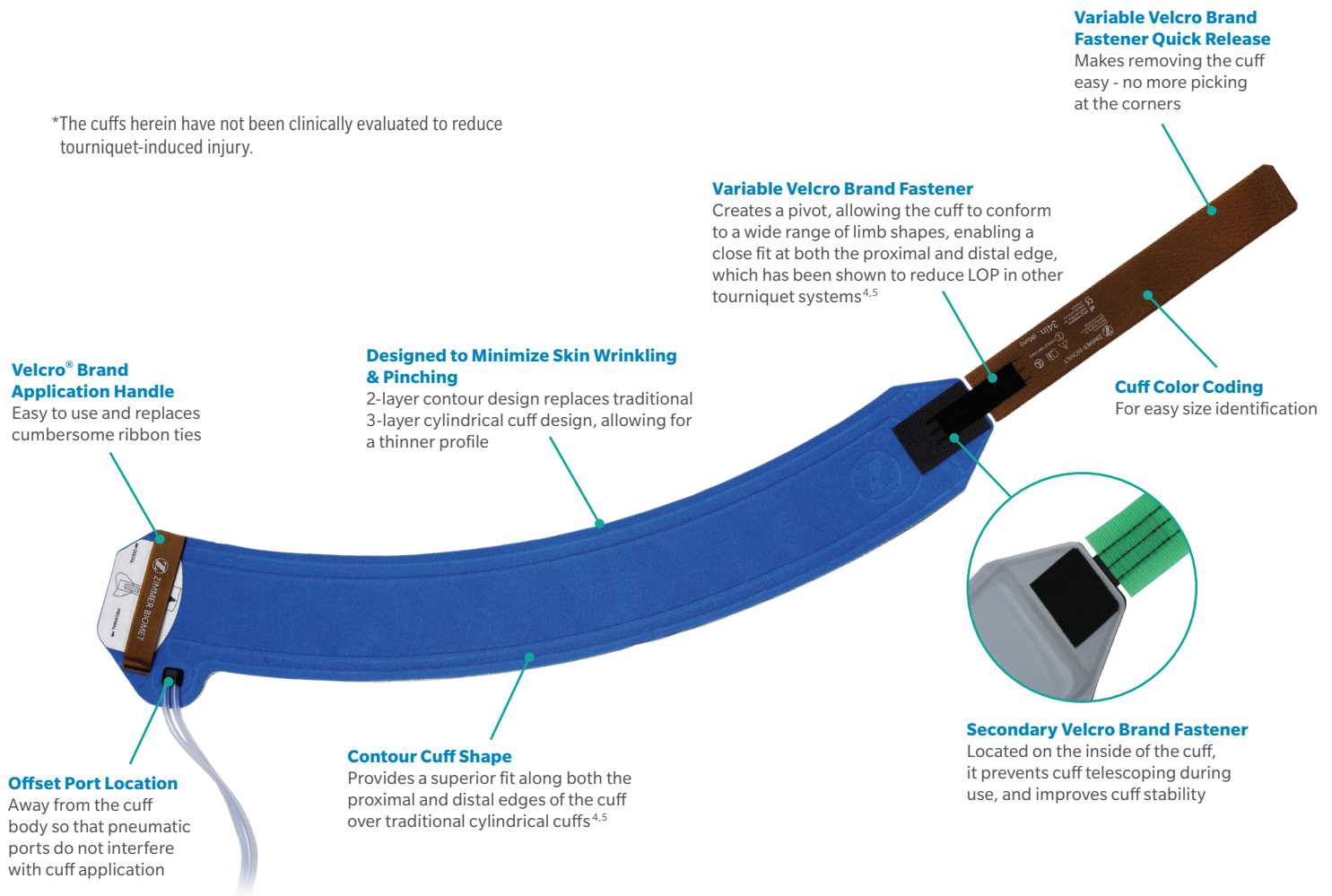
## Shaping the Future of Tourniquet Care

Your patients come in all shapes and sizes, shouldn't your tourniquet cuff?

Disposable contour cuffs have been proven to provide a superior fit to tapered limbs over traditional cylindrical cuffs.<sup>4</sup>

Previous studies have shown that wide contoured tourniquet cuffs occlude flow at lower pressures than narrow cuffs.<sup>1,4</sup> For tapered limbs, contouring the cuff to match the conical shape of the limb has been shown to reduce limb occlusion pressure.<sup>4</sup> Studies have also shown that wide cuffs reduce the risk of tourniquet-induced injury to underlying soft tissues.<sup>1,4\*</sup>

\*The cuffs herein have not been clinically evaluated to reduce tourniquet-induced injury.



Designed for comfortable, repeated use, Zimmer Biomet also offers reusable contour cuffs.

# Cylindrical Cuffs and Cuff Sleeves

## Reusable and Disposable Cylindrical Cuffs

These durable cuffs are designed for performance and patient comfort. The wide variety of color-coded sizes makes it easy to meet even the most demanding procedural needs.

Zimmer Biomet disposable cuffs have been shown to have superior surface control than comparable disposable tourniquet cuffs.<sup>4</sup> Studies have shown that greater surface contact potentially reduces tourniquet inflation pressure.<sup>6,7</sup>

A.T.S. Cylindrical Disposable Cuffs



## Cuff Sleeves

### Specially designed to complement Zimmer Biomet cuffs and protect the patient from skin wrinkling and pinching

Our limb protection sleeves have been found to be more effective at eliminating wrinkles and pinches in the skin surface, as well as reducing the chance of folding or wrinkling of material under the cuff during application when compared to four-layer stockinette and conventional cast padding.<sup>8</sup> All Zimmer Biomet protection sleeves are compatible with both cylindrical and contour cuffs.

#### Limb Protection Sleeves

Disposable, Sterile, Box of 10 Size

60800000800 8" (20 cm)  
60800001200 12" (30 cm)  
60800001800 18" (46 cm)  
60800002400 24" (61 cm)  
60800003000 30" (76 cm)  
60800003400 34" (86 cm)  
60800004200 42" (107 cm)

Reusable, Non-Sterile, Box of 10 Size

60791000100 X-SM Adult (8 cm)  
60791000200 SM Adult (9 cm)  
60792000100 Contour Arm Cuff Sleeve  
60792000200 Contour Thigh Cuff Sleeve  
60792000300 Contour Leg Cuff Sleeve





# Ordering Information

## Tourniquet Systems and Accessories

A.T.S. 5000TS with Hoses	60500010100
A.T.S. 5000TS with Cuffs and Hoses*	60500010200
A.T.S. 5000TS with Telescoping IV Pole and Cuffs	60500010300
A.T.S. 5000TS with Telescoping IV Pole Kit	60500010400
A.T.S. 5000TS with Rolling Stand Kit	60500010500
A.T.S. 5000TS with Rolling Stand and Cuffs	60500010600
A.T.S. 3200TS with Hoses	60320010100
A.T.S. 3200TS with Cuffs and Hoses**	60320010200
A.T.S. 3200TS with Telescoping IV Pole and Cuffs	60320010300
A.T.S. 3200TS with Telescoping IV Pole Kit	60320010400
A.T.S. 3200TS with Rolling Stand Kit	60320010500
A.T.S. 3200TS with Rolling Stand and Cuffs	60320010600

## Accessories

Dual Sterile Extension Hose with LUER Lock Connector, Box of 20	60181200100
Dual Sterile Extension Hose with PLC Connector, Box of 20	60181210100
Single Sterile Extension Hose with LUER Lock Connector, Box of 20	60400900100
Single Sterile Extension Hose With PLC Connector, Box of 20	60400910100
A.T.S. 3200 Hose, Red/W, each	60279000100
A.T.S. 3200 Hose, Blue/W, each	60279000200
A.T.S. 1500/2000/3000/4000/5000 Dual Port Hose, Blue/W, Each	60401700100
A.T.S. 1500/2000/3000/4000/5000 Dual Port Hose, Red/W, Each	60401800100
CPC-TO-LUER Adaptors, Box of 4	60730010500
A.T.S. Dual Hose Retrofit Kit, Box of 2	60750010000
A.T.S. 500 Single Hose Retrofit Kit, Each	60760010000
Red Universal Hose Adaptors, Box of 2	60760030000
Blue Universal Hose Adaptors, Box of 2	60760040000
O-Rings For Tourniquet Cuff, Box of 25	61730800000
LOP Sensor Kit	60300010500
Tourniquet Advanced IV Pole Kit	60190900100
Tourniquet Roll Stand Kit	60190900110
Calibration Hose Accessory Kit (dual port)	60400011000
Calibration Hose Accessory Kit (single Port)	60220001455

## Cuff Sleeves – Box of 10

8 in. Cuff Sleeve, Sterile	60800000800
12 in. Cuff Sleeve, Sterile	60800001200
18 in. Cuff Sleeve, Sterile	60800001800
24 in. Cuff Sleeve, Sterile	60800002400
30 in. Cuff Sleeve, Sterile	60800003000
34 in. Cuff Sleeve, Sterile	60800003400
42 in. Cuff Sleeve, Sterile	60800004200
Protective Sleeve/Contour Arm Cuff, Non-Sterile	60792000100
Protective Sleeve/Contour Thigh Cuff, Non-Sterile	60792000200
Protective Sleeve/Contour Leg Cuff, Non-Sterile	60792000300
Protective Sleeve/Extra-Small Adult, Non-sterile	60791000100
Protective Sleeve/ Small Adult, Non-sterile	60791000200

## Disposable Cuffs – Box of 10

### Contour Cuffs with Sleeves – Sterile (Dual Port, Single Bladder, PLC)

18 x 4.5 in. DPSB Disposable Contour Cuff ***	60797015300
24 x 4.5 in. DPSB Disposable Contour Cuff ***	60797015400
30 x 4.5 in. DPSB Disposable Contour Cuff ***	60797015500
34 x 4.5 in. DPSB Disposable Contour Cuff ***	60797015600
44 x 4.5 in. DPSB Disposable Contour Cuff ***	60797015700

\*Includes Dual Port, Single Bladder Reusable Cylindrical Cuffs; Qty 1 of 8", 12", 18", 24", 30", 34", 42"

\*\*Includes Single Port, Single Bladder Reusable Cylindrical Cuffs; Qty 1 of 8", 12", 18", 24", 30", 34", 42"

\*\*\*Compatible with EZ LOP Method

## Disposable Cuffs – Box of 10 (cont.)

### Contour Cuffs with Sleeves – Sterile (Single Port, Single Bladder, PLC)

18 x 4.5 in. SPSB Disposable Contour Cuff	60797515300
24 x 4.5 in. SPSB Disposable Contour Cuff	60797515400
30 x 4.5 in. SPSB Disposable Contour Cuff	60797515500
34 x 4.5 in. SPSB Disposable Contour Cuff	60797515600
44 x 4.5 in. SPSB Disposable Contour Cuff	60797515700

### Contour Cuffs – Sterile (Dual Port, Single Bladder, PLC)

18 x 4.5 in. DPSB Disposable Contour Cuff ***	60797010300
24 x 4.5 in. DPSB Disposable Contour Cuff ***	60797010400
30 x 4.5 in. DPSB Disposable Contour Cuff ***	60797010500
34 x 4.5 in. DPSB Disposable Contour Cuff ***	60797010600
44 x 4.5 in. DPSB Disposable Contour Cuff ***	60797010700

### Contour Cuffs – Sterile (Single Port, Single Bladder, PLC)

18 x 4.5 in. SPSB Disposable Contour Cuff	60797510300
24 x 4.5 in. SPSB Disposable Contour Cuff	60797510400
30 x 4.5 in. SPSB Disposable Contour Cuff	60797510500
34 x 4.5 in. SPSB Disposable Contour Cuff	60797510600
44 x 4.5 in. SPSB Disposable Contour Cuff	60797510700

### Cylindrical Cuffs with Sleeves – Sterile (Dual Port, Single Bladder, PLC)

8 x 2.75 in. DPSB Sterile Disposable Cuff PLC	60707015100
12 x 4.125 in. DPSB Sterile Disposable Cuff PLC	60707015200
18 x 4.125 in. DPSB Sterile Disposable Cuff PLC ***	60707015300
24 x 4.125 in. DPSB Sterile Disposable Cuff PLC ***	60707015400
30 x 4.125 in. DPSB Sterile Disposable Cuff PLC ***	60707015500
34 x 4.125 in. DPSB Sterile Disposable Cuff PLC ***	60707015600
42 x 4.125 in. DPSB Sterile Disposable Cuff PLC ***	60707015700

### Cylindrical Cuffs with Sleeves – Sterile (Single Port, Single Bladder, PLC)

12 x 4.125 in. SPSB Sterile Disposable Cuff PLC	60707515200
18 x 4.125 in. SPSB Sterile Disposable Cuff PLC	60707515300
24 x 4.125 in. SPSB Sterile Disposable Cuff PLC	60707515400
30 x 4.125 in. SPSB Sterile Disposable Cuff PLC	60707515500
34 x 4.125 in. SPSB Sterile Disposable Cuff PLC	60707515600
42 x 4.125 in. SPSB Sterile Disposable Cuff PLC	60707515700

### Cylindrical Cuffs with Sleeves – Sterile (Dual Port, Dual Bladder, PLC)

18 x 5.5 in. DPDB Sterile Disposable Cuff PLC ***	60708015200
24 x 5.5 in. DPDB Sterile Disposable Cuff PLC ***	60708015300

### Cylindrical Cuffs – Sterile (Dual Port, Single Bladder, PLC)

8 x 2.75 in. DPSB Sterile Disposable Cuff PLC	60707010100
12 x 4.125 in. DPSB Sterile Disposable Cuff PLC	60707010200
18 x 4.125 in. DPSB Sterile Disposable Cuff PLC ***	60707010300
24 x 4.125 in. DPSB Sterile Disposable Cuff PLC ***	60707010400
30 x 4.125 in. DPSB Sterile Disposable Cuff PLC ***	60707010500
34 x 4.125 in. DPSB Sterile Disposable Cuff PLC ***	60707010600
42 x 4.125 in. DPSB Sterile Disposable Cuff PLC ***	60707010700

### Cylindrical Cuffs – Sterile (Single Port, Single Bladder, PLC)

8 x 2.75 in. SPSB Sterile Disposable Cuff PLC	60707510100
12 x 4.125 in. SPSB Sterile Disposable Cuff PLC	60707510200
18 x 4.125 in. SPSB Sterile Disposable Cuff PLC	60707510300
24 x 4.125 in. SPSB Sterile Disposable Cuff PLC	60707510400
30 x 4.125 in. SPSB Sterile Disposable Cuff PLC	60707510500
34 x 4.125 in. SPSB Sterile Disposable Cuff PLC	60707510600
42 x 4.125 in. SPSB Sterile Disposable Cuff PLC	60707510700

# Ordering Information (cont.)

## Disposable Cuffs – Box of 10 (cont.)

### Cylindrical Cuffs – Sterile (Dual Port, Dual Bladder, PLC)

12 x 5.5 in. DPDB Sterile Disposable Cuff PLC	60708010100
18 x 5.5 in. DPDB Sterile Disposable Cuff PLC ***	60708010200
24 x 5.5 in. DPDB Sterile Disposable Cuff PLC ***	60708010300

### Cylindrical Cuffs – Sterile (Single Port, Dual Bladder, PLC)

12 x 5.5 in. SPDB Sterile Disposable Cuff PLC	60708510100
18 x 5.5 in. SPDB Sterile Disposable Cuff PLC	60708510200
24 x 5.5 in. SPDB Sterile Disposable Cuff PLC	60708510300

### Cylindrical Cuffs with Sleeves – Sterile (Dual Port, Single Bladder, Luer Lock)

18 x 4.125 in. DPSB Sterile Disposable Cuff Luer Lock ***	60707005300
34 x 4.125 in. DPSB Sterile Disposable Cuff Luer Lock ***	60707005600

### Cylindrical Cuffs with Sleeves – Sterile (Single Port, Single Bladder, Luer Lock)

8 x 2.75 in. SPSB Sterile Disposable Cuff Luer Lock	60707505100
12 x 4.125 in. SPSB Sterile Disposable Cuff Luer Lock	60707505200
18 x 4.125 in. SPSB Sterile Disposable Cuff Luer Lock	60707505300
24 x 4.125 in. SPSB Sterile Disposable Cuff Luer Lock	60707505400
30 x 4.125 in. SPSB Sterile Disposable Cuff Luer Lock	60707505500
34 x 4.125 in. SPSB Sterile Disposable Cuff Luer Lock	60707505600

### Cylindrical Cuffs – Sterile (Dual Port, Single Bladder, Luer Lock)

8 x 2.75 in. DPSB Sterile Disposable Cuff Luer Lock	60707000100
12 x 4.125 in. DPSB Sterile Disposable Cuff Luer Lock	60707000200
18 x 4.125 in. DPSB Sterile Disposable Cuff Luer Lock ***	60707000300
24 x 4.125 in. DPSB Sterile Disposable Cuff Luer Lock ***	60707000400
30 x 4.125 in. DPSB Sterile Disposable Cuff Luer Lock ***	60707000500
34 x 4.125 in. DPSB Sterile Disposable Cuff Luer Lock ***	60707000600
42 x 4.125 in. DPSB Sterile Disposable Cuff Luer Lock ***	60707000700

### Cylindrical Cuffs – Sterile (Single Port, Single Bladder, Luer Lock)

8 x 2.75 in. SPSB Sterile Disposable Cuff Luer Lock	60707500100
12 x 4.125 in. SPSB Sterile Disposable Cuff Luer Lock	60707500200
18 x 4.125 in. SPSB Sterile Disposable Cuff Luer Lock	60707500300
24 x 4.125 in. SPSB Sterile Disposable Cuff Luer Lock	60707500400
30 x 4.125 in. SPSB Sterile Disposable Cuff Luer Lock	60707500500
34 x 4.125 in. SPSB Sterile Disposable Cuff Luer Lock	60707500600
42 x 4.125 in. SPSB Sterile Disposable Cuff Luer Lock	60707500700

### Cylindrical Cuffs – Sterile (Dual Port, Dual Bladder, Luer Lock)

12 x 5.5 in. DPDB Sterile Disposable Cuff Luer Lock	60708000100
18 x 5.5 in. DPDB Sterile Disposable Cuff Luer Lock ***	60708000200
24 x 5.5 in. DPDB Sterile Disposable Cuff Luer Lock ***	60708000300

### Cylindrical Cuffs – Sterile (Single Port, Dual Bladder, Luer Lock)

12 x 5.5 in. SPDB Sterile Disposable Cuff Luer Lock	60708500100
18 x 5.5 in. SPDB Sterile Disposable Cuff Luer Lock	60708500200
24 x 5.5 in. SPDB Sterile Disposable Cuff Luer Lock	60708500300

## Reusable Cuffs – Box of 1

### Contour Cuffs with Sleeves – Non-Sterile (Dual Port, Single Bladder, PLC)

9 in. - 21 in. DPSB Reusable Contour Upper Limb Cuff	60745000200
12 in. - 30 in. DPSB Reusable Contour Thigh Cuff	60745000300
9 in. - 17 in. DPSB Reusable Contour Lower Leg Cuff	60745000400
30 in. - 39 in. DPSB Reusable Contour Cuff - XL	60750000800

### Contour Cuffs with Sleeves – Non-Sterile (Single Port, Single Bladder, PLC)

9 in. - 21 in. SPSB Reusable Contour Upper Limb Cuff	60735000200
12 in. - 30 in. SPSB Reusable Contour Thigh Cuff	60735000300
9 in. - 17 in. SPSB Reusable Contour Lower Leg Cuff	60735000400
30 in. - 39 in. SPSB Reusable Contour Cuff - XL	60760000800

### Contour Cuffs with Sleeves – Non-Sterile (Single Port, Dual Bladder, PLC)

9 in. - 21 in. SPDB Reusable Contour Upper Limb IVRA Cuff	60735001100
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### Contour Cuffs With Sleeves – Non-Sterile (Dual Port, Dual Bladder, PLC)

9 in. - 21 in. DPDB Reusable Contour Upper Limb IVRA Cuff	60745001100
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### Cylindrical Cuffs – Non-Sterile (Dual Port, Single Bladder, PLC)

8 x 2.75 in. DPSB A.T.S. Cylindrical Cuff	60750000100
12 x 4.125 in. DPSB A.T.S. Cylindrical Cuff	60750000200
18 x 4.125 in. DPSB A.T.S. Cylindrical Cuff	60750000300
24 x 4.125 in. DPSB A.T.S. Cylindrical Cuff	60750000400
30 x 4.125 in. DPSB A.T.S. Cylindrical Cuff	60750000500
34 x 4.125 in. DPSB A.T.S. Cylindrical Cuff	60750000600
42 x 4.125 in. DPSB A.T.S. Cylindrical Cuff	60750000700
14.9 x 3 in. DPSB Reusable Extra Small Adult Cuff	60810000100
17.7 x 3.5 in. DPSB Reusable Small Adult Cuff	60810000200

### Cylindrical Cuffs – Non-Sterile (Single Port, Single Bladder, PLC)

8 x 2.75 in. SPSB A.T.S. Cylindrical Cuff	60760000100
12 x 4.125 in. SPSB A.T.S. Cylindrical Cuff	60760000200
18 x 4.125 in. SPSB A.T.S. Cylindrical Cuff	60760000300
24 x 4.125 in. SPSB A.T.S. Cylindrical Cuff	60760000400
30 x 4.125 in. SPSB A.T.S. Cylindrical Cuff	60760000500
34 x 4.125 in. SPSB A.T.S. Cylindrical Cuff	60760000600
42 x 4.125 in. SPSB A.T.S. Cylindrical Cuff	60760000700
14.9 x 3 in. SPSB Extra Small Adult Cuff	60800000100
17.7 x 3.5 in. SPSB Small Adult Cuff	60800000200

### Cylindrical Cuffs – Non-Sterile (Single Port, Dual Bladder, PLC)

12 x 5.5 in. SPDB A.T.S. Cylindrical Cuff	60766600100
18 x 5.5 in. SPDB A.T.S. Cylindrical Cuff	60766600200
24 x 5.5 in. SPDB A.T.S. Cylindrical Cuff	60766600300

### Cylindrical Cuffs – Non-Sterile (Dual Port, Dual Bladder, PLC)

12 x 5.5 in. DPDB A.T.S. Cylindrical Cuff	60755500100
18 x 5.5 in. DPDB A.T.S. Cylindrical Cuff	60755500200
24 x 5.5 in. DPDB A.T.S. Cylindrical Cuff	60755500300

\*\*\*Compatible with EZ LOP Method



## References

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2. Worland, RL; Arredondo, J; Angles, F; Lopez-Jimenez, F; Jessup, DE: Thigh pain following tourniquet application in simultaneous bilateral total knee replacement arthroplasty. *J Arthroplasty.* 12(8):848 – 52,1997.
3. Internal TR-1774, ATS 5000 EZ LOP Verification r1.0, 2021.
4. Younger ASE, McEwen JA, Inkpen K. Wide contoured thigh cuffs and automated limb occlusion measurement allow lower tourniquet pressures. *Clin Orthop.* November 2004; (428):286-293
5. Worland, RL; Arredondo, J; Angles, F; Lopez-Jimenez, F; Jessup, DE: Thigh pain following tourniquet application in simultaneous bilateral total knee replacement arthroplasty. *J Arthroplasty.* 12(8):848 – 52,1997.
6. Heston B. Tourniquet Pressure Mapping: Visually Analyzing Tourniquet Cuff Efficiency Using Tekscan Pressure Measuring. Report on file, Zimmer Surgical, Inc., Dover, OH 2010
7. AORN, recommended practices for use of the pneumatic tourniquet. In: Perioperative standards and recommended practices. 2014 ed. Denver, CO: AORN, Inc.; 2014. p 183-208
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Laboratory reports are not necessarily indicative of clinical performance.

## Service and Warranty Programs

Do you have coverage on your Tourniquet capital equipment? Reach out to your Zimmer Biomet representative for more information.

## Clinical Support

The Zimmer Biomet Clinical Excellence Team consists of Perioperative Nurses who provide product education, training and support for Tourniquet products. For more information about the Clinical Excellence Team please contact your Zimmer Biomet representative.



**For more information,  
please contact your  
Zimmer Biomet sales  
representative or scan  
the QR code.**



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