

# Disposable Contour Cuffs

Shaping the Future of Tourniquet Care



## Features and Benefits

### Patient Safety

Studies show that wide, contoured cuffs may reduce the risk of tourniquet induced injury to underlying soft tissues by lowering the inflation pressure required to secure a bloodless field.<sup>2</sup>

### Sterile

Disposable contour cuffs are packaged sterile and designed for one time use. No cuff cleaning, no cross contamination.

### Pressure Reduction

Contour Cuffs, together with Limb Occlusion Pressure (LOP), deliver a superior reduction of average pressure compared to traditional practice.<sup>1,2</sup>

### Easier for the OR Staff

The Velcro® Brand application handle and quick release end of the variable Velcro Brand fastener makes applying and removing the cuff simple and easy.



# Enhancing Personalized Pressure<sup>®</sup> Technology

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

For the past 30 years, cylindrical cuffs have been the standard of care. We've challenged this way of thinking and have designed a disposable contour cuff with postoperative tourniquet complications in mind.

Contour cuffs, together with LOP, deliver a superior reduction of average pressure compared to traditional practice.<sup>1,2</sup>

New Contour Cuff  
Thigh



○ Contour shapes matches patient limb, providing a superior fit along both the proximal and distal edges of the cuff, resulting in less chance of post-operative pain.<sup>5</sup>

Cylindrical Cuff  
Thigh



○ Gaps on the Distal edge of the cuff create uneven pressure distribution resulting in greater post-operative pain to the patient.<sup>2,4</sup>

## Disposable Contour Cuffs

### Disposable contour cuffs have been proven to provide a superior fit to tapered limbs over traditional cylindrical cuffs.<sup>1</sup>

Previous studies have shown that wide contoured tourniquet cuffs occlude flow at lower pressures than narrow cuffs.<sup>1,2</sup> For tapered limbs, contouring the cuff to match the conical shape of the limb has been shown to reduce limb occlusion pressure.<sup>2</sup> Contour cuffs, together with LOP, deliver a superior reduction of average pressure compared to traditional practice. Studies have also shown that wide cuffs reduce the risk of tourniquet-induced injury to underlying soft tissues.<sup>1,2</sup>

#### Velcro Brand Application Handle

Easy to use and replaces cumbersome ribbon ties

#### Reduces Skin Wrinkling & Pinching

2-layer contour design replaces traditional 3-layer cylindrical cuff design, allowing for a thinner profile

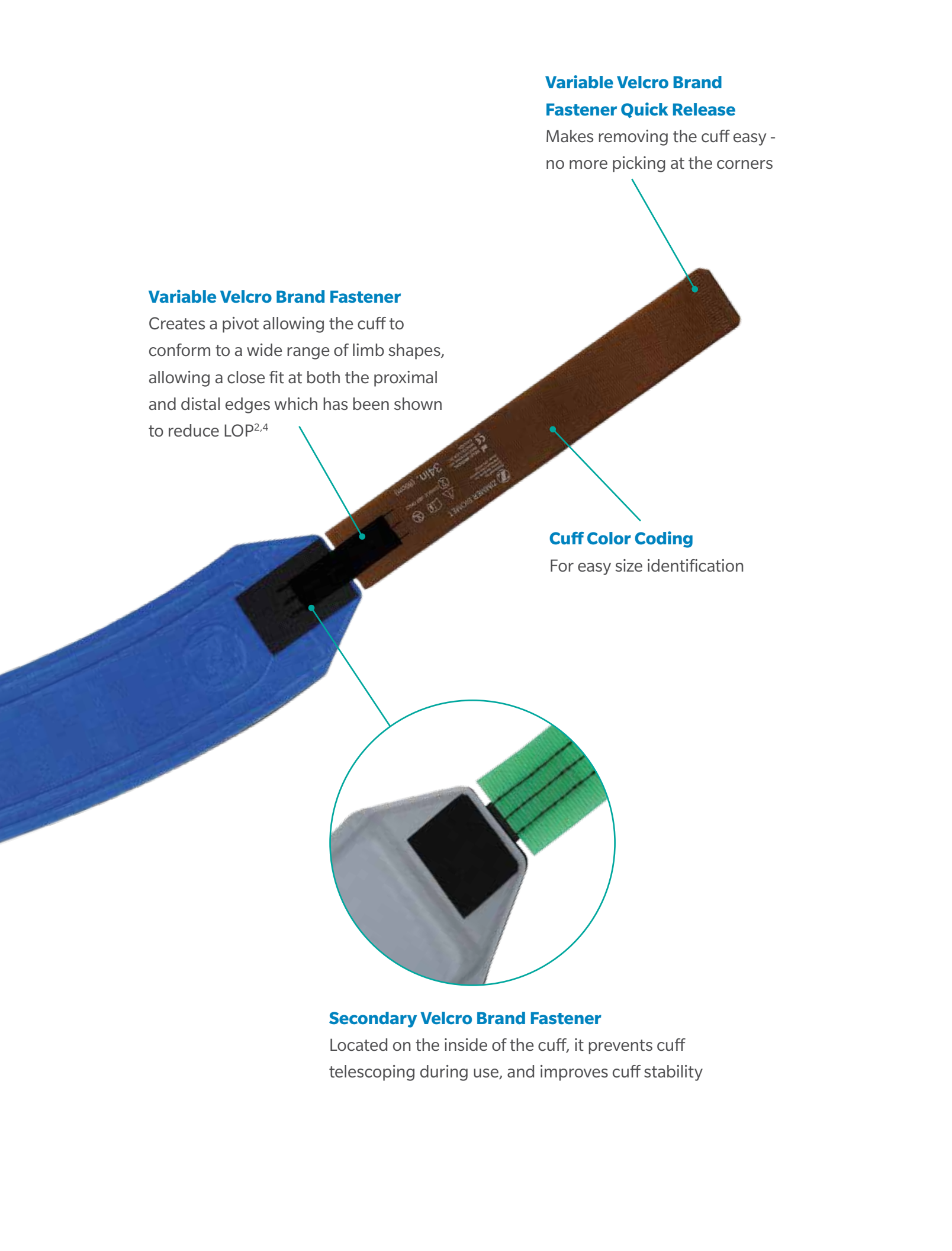
#### Offset Port Location

Away from the cuff body so that pneumatic ports do not interfere with cuff application

#### Contour Cuff Shape

Provides a superior fit along both the proximal and distal edges of the cuff over traditional cylindrical cuffs<sup>2,4</sup>





**Variable Velcro Brand Fastener Quick Release**

Makes removing the cuff easy - no more picking at the corners

**Variable Velcro Brand Fastener**

Creates a pivot allowing the cuff to conform to a wide range of limb shapes, allowing a close fit at both the proximal and distal edges which has been shown to reduce LOP<sup>2,4</sup>

**Cuff Color Coding**

For easy size identification

**Secondary Velcro Brand Fastener**

Located on the inside of the cuff, it prevents cuff telescoping during use, and improves cuff stability

# Ordering Information

## Disposable Contour 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

### 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
42 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

## References

1. Noordin S, McEwen JA, Kragh JF Jr, Eisen A, Masri BA. Surgical tourniquets in orthopaedics. *J Bone Joint Surg Am.* 2009 Dec;91(12):2958-67.
2. 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
3. "New Limb Protection Sleeves: For Zimmer A.T.S. Automatic Tourniquet Systems." Zimmer Surgical, Dover, OH. Report on file, Zimmer Surgical, Inc., Dover, OH. 2004
4. Pedowitz. The use of lower tourniquet inflation pressures in extremity surgery facilitated by curved and wide tourniquets and an integrated cuff inflation system. 1993
5. Estebe et. al. Tourniquet pain in a volunteer study: effects of changes in cuff width and pressure. 2000

## 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 [SurgicalSales-ClinicalExcellence@zimmerbiomet.com](mailto:SurgicalSales-ClinicalExcellence@zimmerbiomet.com)

Contact your Zimmer Biomet representative or visit us at [www.zimmerbiomet.com/surgical](http://www.zimmerbiomet.com/surgical).



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