



# Tourniquet **Touch.**

The new generation of Tourniquets with touch screen technology

 Premium Quality „Made in Germany“

# touch the future.

With the development of Tourniquet Touch, VBM has set up a new milestone in the manufacturing of modern Tourniquet combining quality, reliability, safety and simplicity.

Optimal precision and high performance of components provide the best possible environment for safe surgical procedures in OR and ambulatory surgery. The large 8" touch screen interface displays clear information regarding pressure and inflation time. User friendly innovations such as Fast Choice Buttons and specific alarm program simplify the use of the device and reinforce patient safety. Longer power failures can be easily overcome by the powerful Lithium-Ion battery to guarantee safe continuation of the procedure.

The very robust housing makes cleaning and disinfection very easy due to the non-sensitive surface of the device.

**The Tourniquet Touch is compatible with all VBM cuffs.**

Tourniquet Touch TT20 with two cuff channels



## Main Specifications

### Touch Screen

- 100% premium glass
- Easy cleaning and disinfection
- Usable with surgical gloves

### Display

- 8" (800 x 480 pixel)
- Wide viewing angle (178°)
- Low reflection, mat, anti-glare

### Battery

- Lithium ion (14.4 V – 93.6Wh)
- Approx. 8 h backup runtime

### Supply Voltage

- 100 – 240VAC

### Weight and Dimensions

- 4.5 kg
- Height 186 mm | Width 263 mm  
Depth 226 mm

Tourniquet Touch TT15 with cuff channel and irrigation channel





# FEATURES TT20



## For use with

- Single Cuff
- Double Cuff for IVRA
- Two Single Cuffs for bilateral surgery



## Housing

- With integrated handle
- Very robust material
- UV-resistant
- Surface allows easy cleaning and disinfection

## USB-Port

- Software Updates
- Saving log file for device analysis

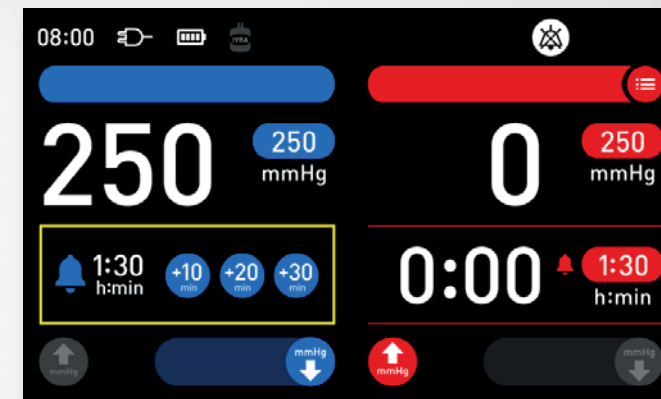
## Pressure | Time Range

- Pressure Range:  
80 – 500 mmHg
- Time Range:  
0:15 – 2:00 h



## Fast Choice Buttons

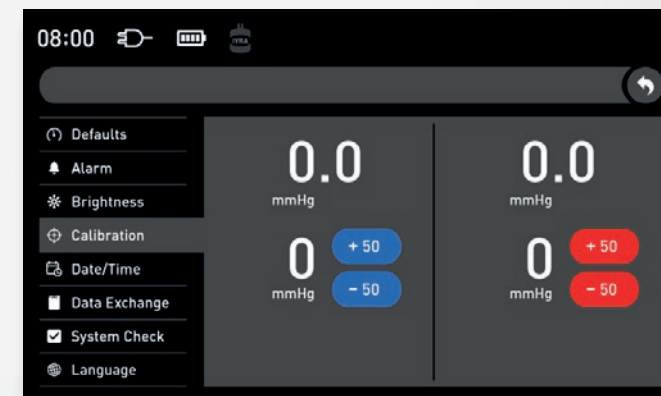
- Allow to change pressure and time to the preset values with only two touches
- No need to tap arrows and confirmation buttons
- For max. patient safety in case that immediate pressure changes are required during the surgical procedure



## Timer Alarm

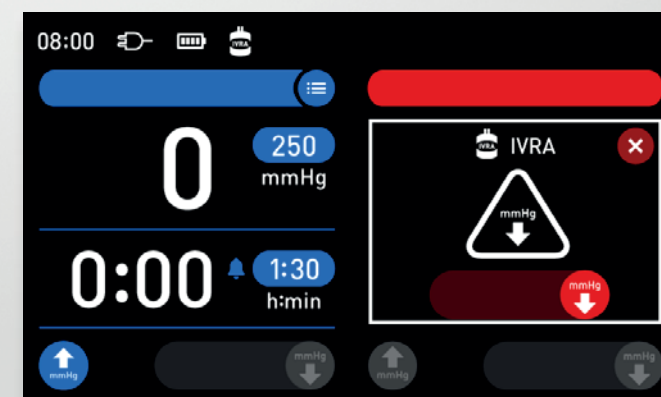
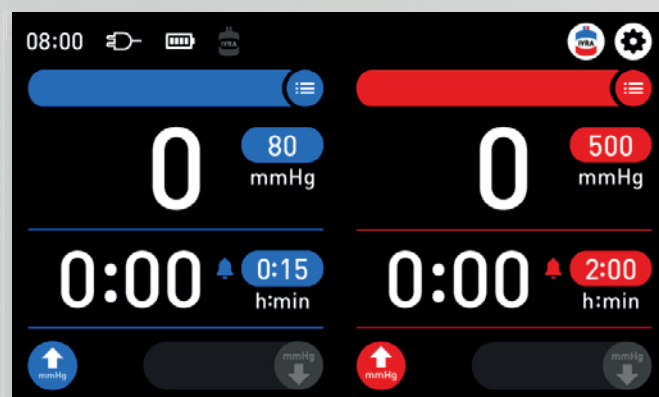
### Precise time monitoring of procedure

- User is warned after reaching the set alarm time
- Add additional time to elapsed inflation time (10, 20 or 30 minutes)



## Settings

- Defaults allow personalized presetting of time and pressure
- Quick access to the display features of the Tourniquet Touch
- Easy maintenance for biomedical engineer (calibration, self test, leak test)
- 14 different languages



## IVRA (Intravenous regional anesthesia)

### Safety Lockout

- To reduce the risk of unintentional cuff deflation
- To prevent the hazard of a sudden loss of IVRA



# FEATURES TT15



## For use with

- Single Cuff
- Pressure Infusion Cuff for irrigation



## Housing

- With integrated handle
- Very robust material
- UV-resistant
- Surface allows easy cleaning and disinfection

## USB-Port

- Software Updates
- Saving log file for device analysis

## Pressure | Time Range

### Cuff Channel

- Pressure Range: 80 – 500 mmHg
- Time Range: 0:15 – 2:00 h

### Irrigation Channel

- Pressure Range: 50 – 300 mmHg



## Fast Choice Buttons

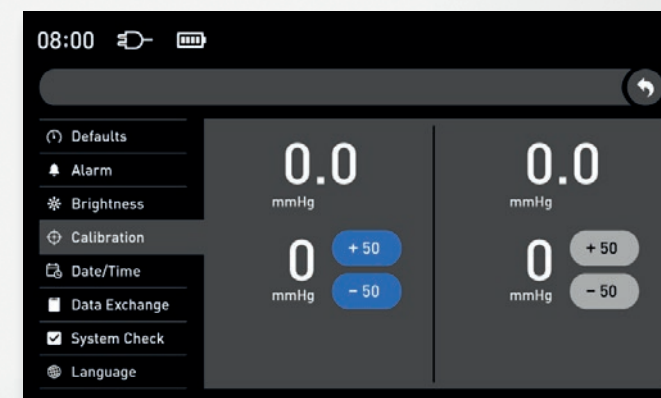
- Allow to change pressure and time to the preset values with only two touches
- No need to tap arrows and confirmation buttons
- For max. patient safety in case that immediate pressure changes are required during the surgical procedure



## Timer Alarm

### Precise time monitoring of Tourniquet Cuff procedure

- User is warned after reaching the set alarm time
- Add additional time to elapsed inflation time (10, 20 or 30 minutes)



## Settings

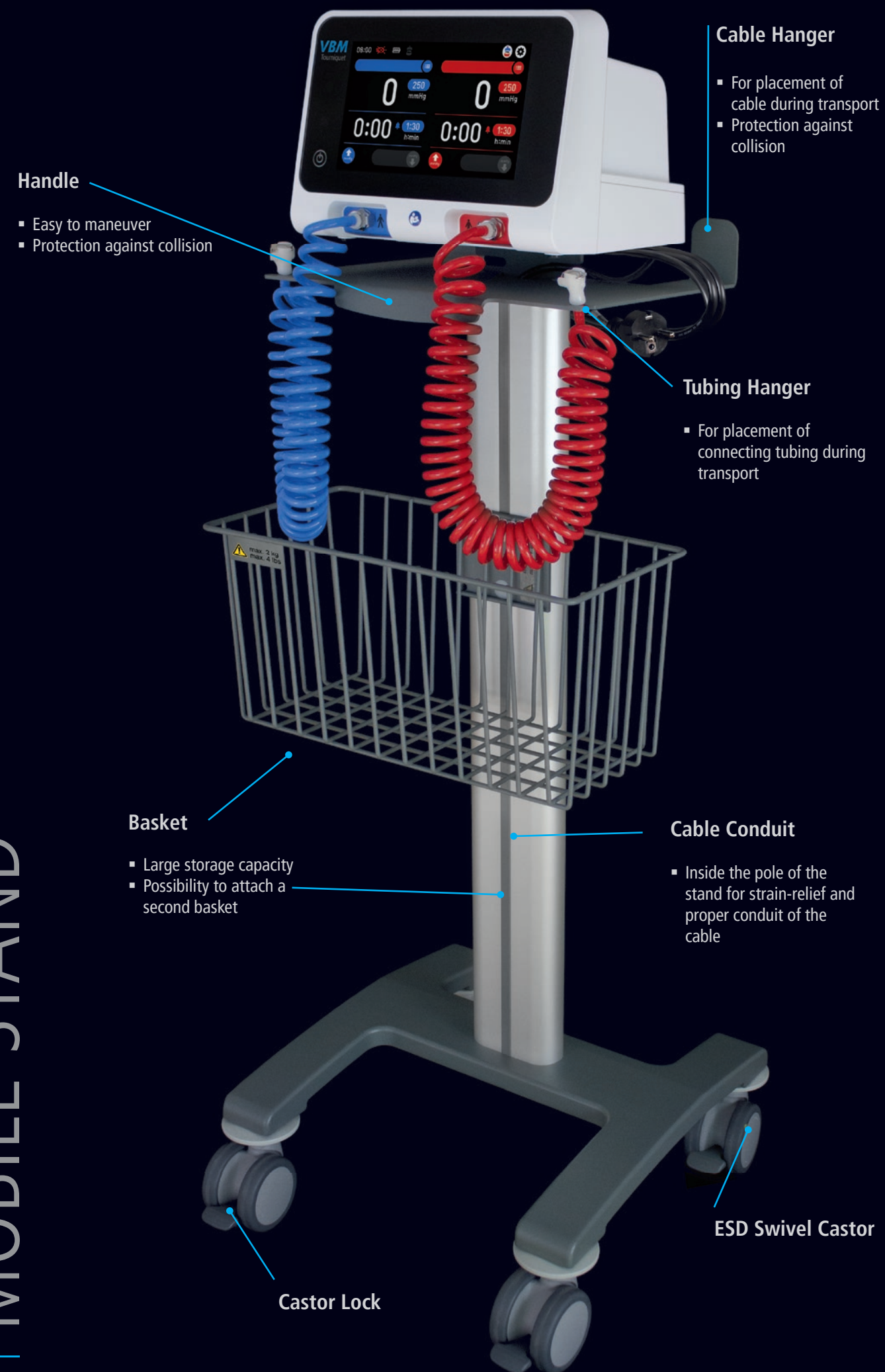
- Defaults allow personalized presetting of time and pressure
- Quick access to the display features of the Tourniquet Touch
- Easy maintenance for biomedical engineer (calibration, self test, leak test)
- 14 different languages



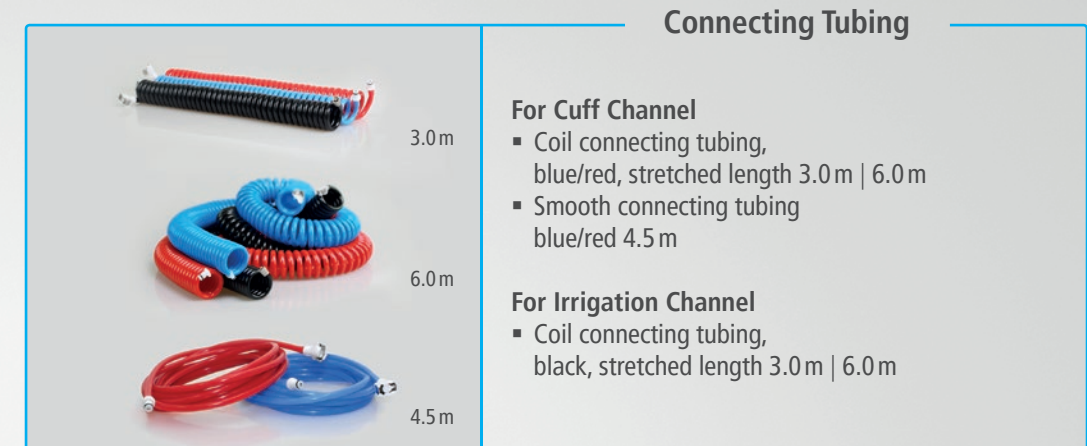
## Connection Irrigation Channel

- Irrigation port with dedicated connector for Pressure Infusion Cuff avoids misconnection
- Pressure is monitored and adjusted constantly to compensate loss of volume





## ACCESSORIES TT15 & TT20





# TOURNIQUET CUFFS – REUSABLE

## The Economical Solution Reusable Range



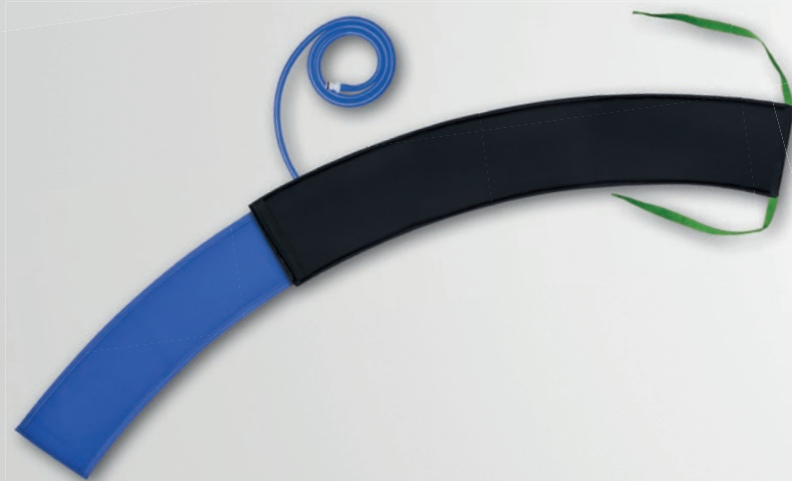
Fabric Cuff



Slim Cuff



Silicone Velcro Cuff



- Single and double cuff
- Straight shape and contour shape
- Colour coded for optimal cuff selection
- Heavy duty silicone bladder
- Low profile design (welded bladder)
- Manufactured without the use of natural rubber latex and PVC-free

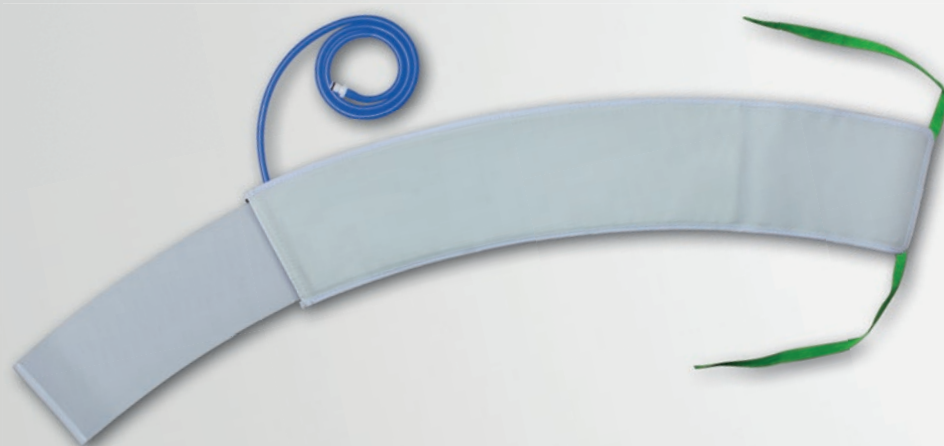
	Fabric Cuff	Slim Cuff	Silicone Velcro Cuff
Single and double cuff	✓		✓
Straight shape and contour shape	✓	✓	✓
Colour coded for optimal cuff selection	✓	✓	✓
Heavy duty silicone bladder	✓		✓
Low profile design (welded bladder)		✓	
Manufactured without the use of natural rubber latex and PVC-free	✓	✓	✓

- Cost-effective by validated reprocessing program
- Safe in use after proper cleaning and inspection
- Waste reduction due to reuse
- Wipe disinfection
- Easy to clean and dry quickly
- Autoclavable 134 °C (273 °F)

	Fabric Cuff	Slim Cuff	Silicone Velcro Cuff
Cost-effective by validated reprocessing program	✓	✓	✓
Safe in use after proper cleaning and inspection	✓	✓	✓
Waste reduction due to reuse	✓	✓	✓
Wipe disinfection	✓	✓	✓
Easy to clean and dry quickly		✓	✓
Autoclavable 134 °C (273 °F)			✓



## Safety First Disposable Range



### Dispo Cuff

- Prevention against HAI (Hospital-acquired infection)
- For contaminated procedures
- Straight shape and contour shape
- Full range of single and double Cuff
- Colour coded for optimal cuff selection
- Low profile design
- Sterile packed
- For single use
- Manufactured without the use of natural rubber latex and PVC-free

### Dispenser Box

- Colour coding makes size selection and ordering easier
- Easy storage
- Low profile packaging saves space

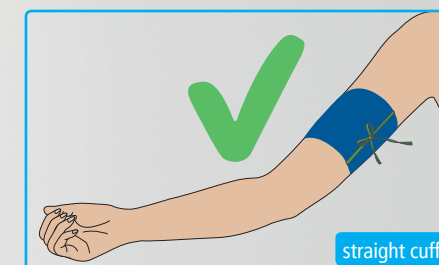
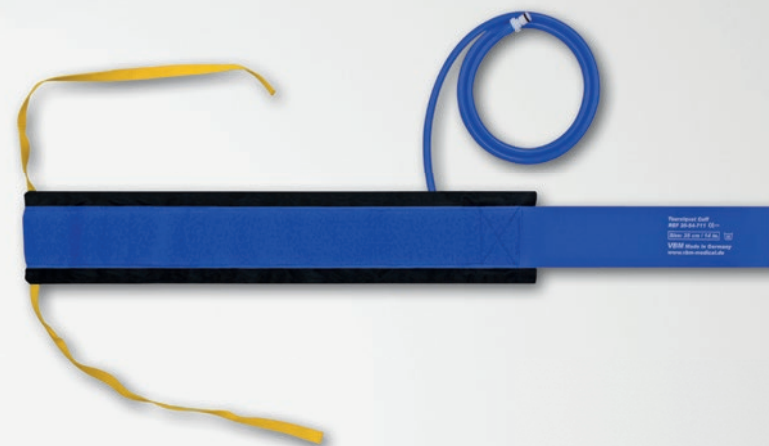


## CUFF DESIGN

The VBM range covers Single- and Double Cuffs in all sizes, for both straight and contour shapes and in reusable and single use versions

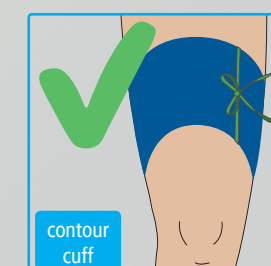
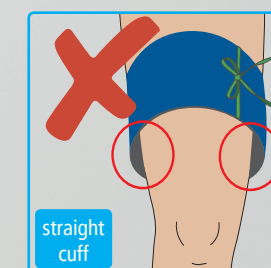
### Straight Shape

- Cylindrical design
- Does not show any difference in diameter between proximal and distal part
- Large hook and loop fastener for reliable cuff fixation
- For small or midsize upper extremity



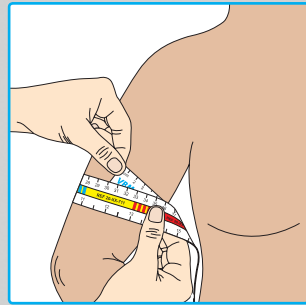
### Contour Shape

- Arced design with a smaller diameter distally than proximally when applied
- Occludes the blood flow at lower pressures due to an improved fit to the extremity
- Recommended when the extremity is particularly muscular and for use on obese patients to avoid the risk of mechanical shearing
- For lower conical shaped extremity „mostly“
- Large hook and loop fastener for reliable cuff fixation



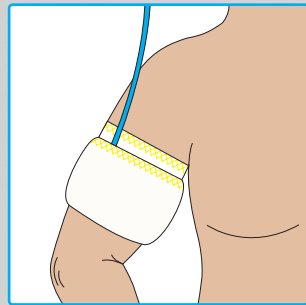


# ACCESSORIES TOURNIQUET CUFFS



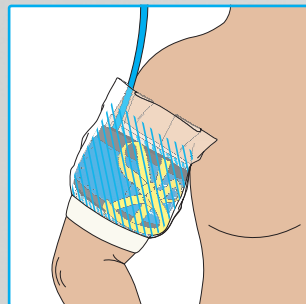
## Measuring Tape

- Colour coded, for easy identification of patient extremity and optimal cuff selection
- For single use



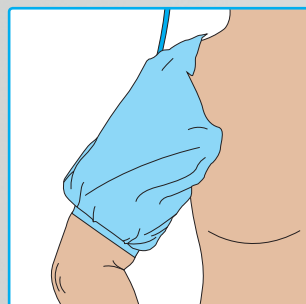
## Tourniquet Sleeve

- Protects soft tissues underneath the cuff
- Reduces wrinkling, pinching and shearing of soft tissues
- Sterile and non-sterile version
- For single use



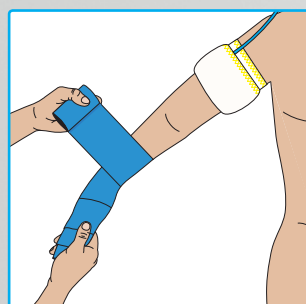
## Cuff Cover

- Keeps the cuff free from soiling
- Sterile and non-sterile version
- For single use



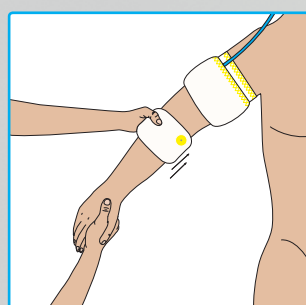
## Tourniquet Drape

- Isolates the cuff from the sterile field
- Seals against fluid accumulation underneath the cuff to protect the patient from burns associated with skin preparation
- Sterile and non-sterile version
- For single use



## Esmarch Bandage

- Allows safe exsanguination of any extremity
- Large range of sizes available in 5 different widths
- Reusable version
- Single use version, sterile



## Roll-On Cuff

- Unique and exclusive inflatable exsanguination system
- 100 % silicone medical grade
- Quick and efficient procedure
- Full range of sizes available
- Reusable

## Exsanguination

Esmarch Bandage  
Roll-On Cuff

## Patient protection

Sleeve  
Drape

## Cuff selection and protection

Cuff Cover  
Measuring Tape





# ORDER INFORMATION

## Tourniquet Touch



### Tourniquet TT20

- With two cuff channels
- 3.0 m coil connecting tubing (blue and red)

REF 01-20-000

### Tourniquet TT15

- With cuff channel and irrigation channel
- 3.0 m coil connecting tubing (blue and black)

REF 01-15-000

## Mobile Stand



- With basket

REF 01-00-100

## Basket



- Separately

REF 01-00-110

## Connecting Tubing



TT20

TT20 + TT15

TT15

	Red	Blue	Black
	<ul style="list-style-type: none"><li>▪ For Tourniquet Cuff</li><li>▪ Positive Locking Connector male and female</li></ul>	<ul style="list-style-type: none"><li>▪ For Tourniquet Cuff</li><li>▪ Positive Locking Connector male and female</li></ul>	<ul style="list-style-type: none"><li>▪ For Pressure Infusion Cuff</li><li>▪ Positiv Locking Connector female and Luer Lock male</li></ul>
3.0 m coil	REF 20-20-742	REF 20-20-744	REF 20-20-740
6.0 m coil	REF 01-00-520	REF 01-00-510	REF 01-00-530
4.5 m smooth	REF 20-20-942	REF 20-20-944	—

## Single Cuff



Patient	Length	Colour	Dispo Cuff	Fabric Cuff	Slim Cuff	Silicone Velcro Cuff
			<ul style="list-style-type: none"><li>▪ For single use</li><li>▪ Box of 10</li></ul>	<ul style="list-style-type: none"><li>▪ Washable</li><li>▪ Box of 1</li></ul>	<ul style="list-style-type: none"><li>▪ Washable</li><li>▪ Box of 1</li></ul>	<ul style="list-style-type: none"><li>▪ Autoclavable</li><li>▪ Box of 1</li></ul>
Infant	20 cm	—	REF 20-34-700SLZ-1	REF 20-54-700	REF 20-74-700	REF 20-64-700
Child	30 cm	●	REF 20-34-710SLZ-1	REF 20-54-710	REF 20-74-710	REF 20-64-710
Arm	35 cm	●	REF 20-34-711SLZ-1	REF 20-54-711	REF 20-74-711	REF 20-64-611
Arm	46 cm	●	REF 20-34-712SLZ-1	REF 20-54-712	REF 20-74-712	REF 20-64-612
Arm/Lower Leg	46 cm	●	REF 20-34-715SLZ-1*	REF 20-54-512*	REF 20-74-715*	REF 20-64-512*
Leg	61 cm	●	REF 20-34-722SLZ-1*	REF 20-54-522*	REF 20-74-722*	REF 20-64-522*
Leg	76 cm	●	REF 20-34-727SLZ-1*	REF 20-54-527*	REF 20-74-727*	REF 20-64-527*
Leg	86 cm	●	REF 20-34-728SLZ-1*	REF 20-54-528*	REF 20-74-728*	REF 20-64-528*
Leg	107 cm	●	REF 20-34-729SLZ-1*	REF 20-54-729	REF 20-74-729*	—

## Double Cuff for IVRA (Intravenous Regional Anesthesia)

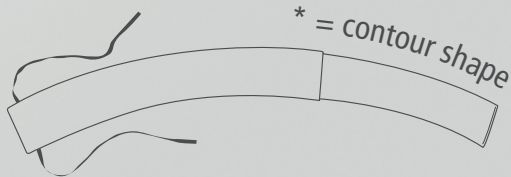


Patient	Length	Colour	Dispo Cuff	Fabric Cuff	Silicone Velcro Cuff
			<ul style="list-style-type: none"><li>▪ For single use</li><li>▪ Box of 10</li></ul>	<ul style="list-style-type: none"><li>▪ Washable</li><li>▪ Box of 1</li></ul>	<ul style="list-style-type: none"><li>▪ Autoclavable</li><li>▪ Box of 1</li></ul>
Infant	20 cm	—	—	REF 20-50-700	—
Child	30 cm	●	REF 20-30-710SLZ-1	REF 20-50-710	—
Arm	35 cm	●	—	REF 20-50-711	REF 20-60-711
Arm	46 cm	●	REF 20-30-712SLZ-1	REF 20-50-712	REF 20-60-712
Leg	61 cm	●	REF 20-30-722SLZ-1	REF 20-50-722	REF 20-60-722
Leg	76 cm	●	—	REF 20-50-727	—
Leg	86 cm	●	—	REF 20-50-728	—
Leg	107 cm	●	—	REF 20-50-729	—

## Measuring Tape

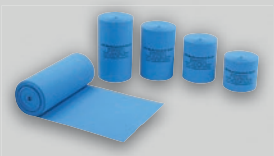


For single use	Box
REF 20-95-222	50





Esmarch Bandage



Width	Length	Reusable	Box	Width	Length	For single use, sterile packed	Box
6 cm	5 m	REF 20-20-060	5	6 cm	4 m	REF 20-21-060-1	10
8 cm	5 m	REF 20-20-080	5	8 cm	3 m	REF 20-23-080-1	10
—	—	—	—	8 cm	4 m	REF 20-21-080-1	10
10 cm	5 m	REF 20-20-100	5	10 cm	4 m	REF 20-21-100-1	10
12 cm	5 m	REF 20-20-120	5	—	—	—	—
15 cm	5 m	REF 20-20-150	5	15 cm	4 m	REF 20-21-150-1	10

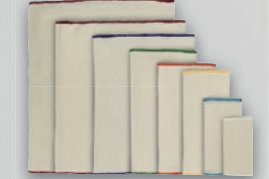


Roll-On Cuff



Size	Extremity	Colour	Reusable	Box
1	20–28 cm	○	REF 21-95-711	1
2	26–33 cm	●	REF 21-95-712	1
3	31–40 cm	●	REF 21-95-719	1
4	38–49 cm	●	REF 21-95-722	1
5	47–60 cm	●	REF 21-95-727	1
6	58–70 cm	●	REF 21-95-729	1

Tourniquet Sleeve



Patient	Size	Colour	Clean packed	Sterile packed	Box
Infant	≤ 20 cm	○	REF 23-00-700	REF 23-00-700-1	10
Child	≤ 30 cm	●	REF 23-00-710	REF 23-00-710-1	10
Arm	≤ 35 cm	●	REF 23-00-711	REF 23-00-711-1	10
Arm	≤ 46 cm	●	REF 23-00-712	REF 23-00-712-1	10
Leg	≤ 61 cm	●	REF 23-00-722	REF 23-00-722-1	10
Leg	≤ 76 cm	●	REF 23-00-727	REF 23-00-727-1	10
Leg	≤ 86 cm	●	REF 23-00-728	REF 23-00-728-1	10
Leg	≤ 107 cm	●	REF 23-00-729	REF 23-00-729-1	10

Accessories Roll-On Cuff



Hand Pump  
with manometer

- 200 mmHg
- Box of 1

REF 21-95-350



Hand Inflator  
with manometer

- 200 mmHg
- Box of 1

REF 21-95-300

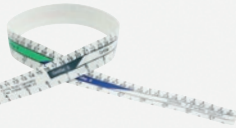


Brake-Block

- Reusable
- Box of 1

Smal REF 21-95-200

Large REF 21-95-201



Measuring  
Tape

- Color coded
- Box of 10

REF 21-95-111

Cuff Cover



Size	Clean packed	Box	Sterile packed	Box
Small	REF 20-11-111	50	REF 20-11-111-1	50
Medium	REF 20-11-333	50	REF 20-11-333-1	50
Large	REF 20-11-222	50	REF 20-11-222-1	50

Tourniquet Drape



Size	Clean packed	Box	Sterile packed	Box
Arm	REF 24-00-100	40	REF 24-00-100-1	10
Leg	REF 24-00-200	40	REF 24-00-200-1	10
Leg, extra large	REF 24-00-300	40	REF 24-00-300-1	10

Pressure Infusion Cuff for irrigation – for use with TT15 only

Dispo Infusor



- 3000 ml
- Pocket design with hook
- For single use
- With female Luer Lock

REF 56-01-300

Infusor 3000



- 3000 ml
- Transparent wrap-around design with hook
- Reusable
- With female Luer Lock

REF 57-01-300

Pressure Infusion Cuff



- 1500 ml
- Pocket design with hook
- Reusable
- With female Luer Lock

REF 53-01-150



- 3000 ml / 5000 ml
- Pocket design with zip
- Reusable
- With female Luer Lock

REF 52-01-300

ADDITIONAL INFO

Website



Application video



Media Center



The medical devices in this advertising material are manufactured without the use of natural rubber latex.  
The medical devices in this advertising material do not contain phthalates which require labelling according to GLP Regulation (EC) 1272/2008.





**SourceMark™**

302 Innovation Drive  
Suite 410  
Franklin, TN 37067  
Tel: 866.528.7001  
Fax: 866.528.6008  
Email: [customerservice@sourcemarkusa.com](mailto:customerservice@sourcemarkusa.com)  
[www.sourcemarkusa.com](http://www.sourcemarkusa.com)

CE/CE0123

PRO002\_3.0\_EN\_06.19