ulrich medical® Tourniquets

Ease of use and safety

Secure application with 2 clicks

Over a century of innovation

ulrich medical

Secure application with 2 clicks

The new touch screen tourniquets

Three models of the new generation of ulrich medical® tourniquets are available: With elsa™, heidi™ and sophie™, we offer the ideal device to meet every requirement.

+ Simple and intuitive
+ Innovative design
+ Multi-compatible

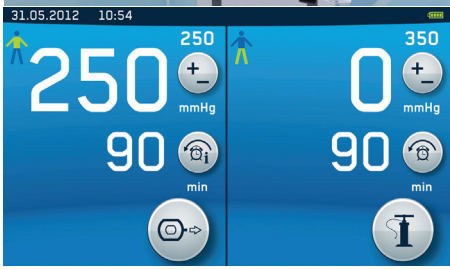
elsa™ mein Tourniquet | heidi™ mein Tourniquet | sophie™ mein Tourniquet

Intelligent	Well-thought-out functions, for example, the automatic start of the timer and protocol printer guarantee ease of use and maximum user-friendliness.
Simple	The tourniquet is operated using simple, easy-to-understand symbols on a language-neutral touch screen.
Safe	The unique ulrich medical® safety design contains comprehensive safety functions: ■ Self-test at device start-up ■ Automatic leak handling ■ Maintenance of cuff pressure in the event of loss of power. ■ Individual pressure presetting with automatic pressure adjustment in the event of over- and underpressure.

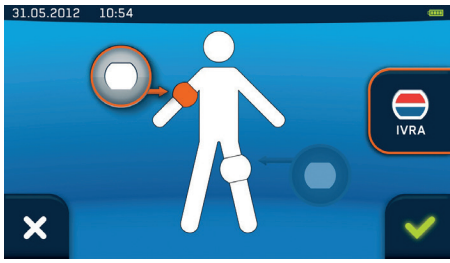
elsa™ mein Tourniquet | heidi™ mein Tourniquet

Reliable	An acoustic and visual display provides a warning in the event of a low battery status.
Adjustable	In addition to use with mains power, the device can also be operated up to 4 hours using the back-up battery. The automatic switching is performed without pressure fluctuations.

heidi™ mein Tourniquet | sophie™ mein Tourniquet



Bilateral	With heidi™ and sophie™, simultaneous surgery on both arms or legs or on one arm and one leg can be performed.
IVRA applications	Two color-coded connections as well as color-coordinated matching on the touch screen; the hoses and cuffs allow simple and uncomplicated IVRA applications.



Overview of the devices

elsa™, heidi™ and sophie™

	elsa™	heidi™	sophie™
Item number	UT 1380-E	UT 1380-H	UT 1380-S
Number of connections	1	2	2
Mounting on mobile stand UT 1382	✓	✓	✓
Optional protocol printer UT 1381	✓	✓	✓
Integrated rechargeable battery for surgical use without power supply for up to 4 hours	✓	✓	
Integrated cable and hose holders	✓	✓	✓
Integrated compressor	✓	✓	
Connection for central gas supply			✓
Optional fixation element for standard rail with adjustable angle of inclination for ergonomic work	✓	✓	✓
User-configurable countdown	✓	✓	✓
User-configurable duration of blood arrest	✓	✓	✓
ulrich medical® safety design ■ Maintenance of cuff pressure in the event of complete loss of power ■ Automatic leak handling for maximum safety during use ■ Individual pressure presetting with automatic pressure regulation in the event of overpressure and underpressure ■ Pressure calibration each time the device is started up	✓	✓	✓

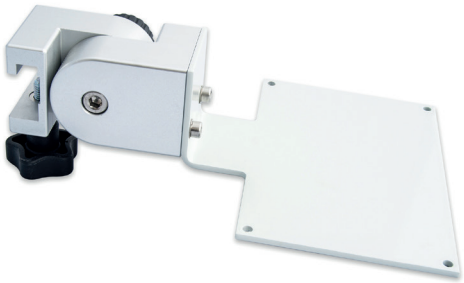
Technical data	elsa™	heidi™	sophie™
Power connection	100-240 VAC 50/60 Hz	100-240 VAC 50/60 Hz	100-240 VAC 50/60 Hz
Power output	40 W	40 W	40 W
MPG class	IIa	IIa	IIa
Supply of compressed air	Integrated compressor	Integrated compressor	CGS approx. 6 bar
Cuff pressure	Arm and leg, 30 - 600 mmHg	Arm and leg, 30 - 600 mmHg	Arm and leg, 30 - 600 mmHg
Accuracy	± 3 mmHg	± 3 mmHg	± 3 mmHg
Microprocessor	Yes	Yes	Yes
Dimensions (W × H × D)	300 x 145 x 160 mm	300 x 145 x 160 mm	300 x 145 x 160 mm
Weight	4.6 kg	4.6 kg	3.8 kg

Mobile stand
for ulrich medical® tourniquets

Mobile stand for
elsa™, heidi™, sophie™: UT 1382

Includes:	Convenient basket for storing cuffs and accessories (hoses, cable)
Dimensions:	Height with device: 1115 mm Diameter of device base: 420 mm 420 x 420 x 1115 mm (W x D x H; height incl. device)
Weight:	10.4 kg

Adjustable mounting block
for standard rail



Mounting block for elsa™, heidi™, sophie™: UT 1383

For mounting elsa™, heidi™, sophie™ on horizontal standard rails in the OR

Allows position adjustment in 7 different levels

Protocol printer
elsa™, heidi™ and sophie™

elsa™ incl. protocol printer: 1380-EP
heidi™ incl. protocol printer: 1380-HP
sophie™ incl. protocol printer: 1380-SP

Functions:	■ Automatic recording of all relevant data from a blood arrest application ■ Plug & play documentation ■ Simple procedure for opening the protocol printer
Accessories:	■ Printer paper UT 1381-01 (paper width 58 mm)

The protocol printer can also be retrofitted at a later point in time (UT 1381).

Contact your medical device consultant.

All-round protection in a small format

balbina™ – The compact one

With its compact, space-saving format, the balbina™ tourniquet is the ideal companion for physicians who work in a mobile environment. balbina™ persuades with its flexibility: It can be operated intuitively and purely pneumatically without power. Simply attach the device to an external compressed air supply and it is ready for operation, quickly and effortlessly.

Item number	UT 1132
Mounting on mobile stand	✓ UT 1133
Adjustable mounting block (UT 1216-00) for mounting on standard rail (7-stage adjustment)	Optional
Cuff pressure can be continuously set in a range between 30 and 650 mmHg	✓
Timer for time control	✓
Electricity-independent in the case of a central gas supply system	✓
Optical compressed air indicator on the user interface shows device status	✓

UT 1132

Technical data

MPG class	IIa
Supply of compressed air	5 - 6 bar
Cuff pressure	Arm and leg, orange: 30-650 mmHg
Accuracy	± 10 mmHg
Display	Analog (manometer)
Dimensions (W × H × D)	135 × 236 × 150 mm
Weight	approx. 2.6 kg

APROPOS: The balbina™ is a true mini-marvel. It is the smallest tourniquet available on the market to date.

Mobile stand
for balbina™: UT 1133

Includes:	Standard rail
Optional:	UT 1364 stainless steel wire basket
Dimensions:	600 × 600 × 850 mm (W × D × H)
Weight:	approx. 4 kg

Hoses
for ulrich medical® tourniquet cuffs

Connection hoses
for central gas supply system (CGS)

Item no.	Description	Model	balbina™	sophie™	Length
UT 1270-080	Pressure connection for CGS	Neutral color	✓		0.8 m
UT 1270-150	Pressure connection for CGS	Neutral color	✓		1.5 m
UT 1270-300	Pressure connection for CGS	Neutral color	✓		3 m
UT 1270-500	Pressure connection for CGS	Neutral color	✓		5 m
UT 1271-300	Pressure connection for CGS	ISO 32	✓		3 m
UT 1271-500	Pressure connection for CGS	ISO 32	✓		5 m
UT 1272-150	CGS-NIST hose	Neutral color		✓	1.5 m
UT 1272-300	CGS-NIST hose	Neutral color		✓	3 m
UT 1273-150	CGS-NIST hose	ISO 32		✓	1.5 m
UT 1273-150-01	CGS-NIST hose, angled	ISO		✓	1.5 m
UT 1273-150-02	CGS-NIST hose, angled	Neutral color		✓	1.5 m
UT 1273-300	CGS-NIST hose	ISO 32		✓	3 m
UT 1273-300-01	CGS-NIST hose, angled	ISO		✓	3 m
UT 1273-300-02	CGS-NIST hose, angled	Neutral color		✓	3 m

Connection hoses

Device – Cuff

	Item no.	Connection hose	Connector	assuan™ *	kariba™ *	nurek™ *	balbina™	elsa™	heidi™	sophie™	Third-party devices**	Length
Sterilizable	UT 1181-500	For single-port cuffs	orange male - Luer lock male	✓	✓	✓	✓	✓	✓	✓		5 m
	UT 1184-500	For single-port cuffs	orange male - green female				✓	✓	✓	✓		5 m
	UT 1186-500	For single-port cuffs	VBM screw thread male - orange female								✓	5 m
	UT 1188-500	For single-port cuffs	standard male - orange female								✓	5 m
	UT 1190-500	For single-port cuffs	green male - orange female	✓	✓	✓						5 m
	UT 1192-500	For single-port cuffs	Luer lock male - orange female								✓	5 m
	UT 1274-300	For single-port cuffs	green male - green female	✓	✓	✓						3 m
	UT 1274-500	For single-port cuffs	green male - green female	✓	✓	✓						5 m
	UT 1275-500	For single-port cuffs	Luer lock female - orange female								✓	5 m
	UT 1277-300	For single-port cuffs	orange male - orange female	✓	✓	✓	✓	✓	✓	✓		3 m
	UT 1277-500	For single-port cuffs	orange male - orange female	✓	✓	✓	✓	✓	✓	✓		5 m
Non-sterilizable	UT 1276-300	For single-port cuffs	orange male - orange female	✓	✓	✓	✓	✓	✓	✓		3 m
	UT 1276-500	For single-port cuffs	orange male - orange female	✓	✓	✓	✓	✓	✓	✓		5 m
	UT 1321-300	For single-port cuffs	standard male - standard female								✓	3 m
	UT 1321-500	For single-port cuffs	standard male - standard female								✓	5 m
	UT 1322-300	For dual-port cuffs	standard male - standard female								✓	3 m
	UT 1322-500	For dual-port cuffs	standard male - standard female								✓	5 m
	UT 1191-500	For single-port cuffs	PanGas male - orange female								✓	5 m
	UT 1185-500	For single-port cuffs	orange male - VBM screw thread female	✓	✓	✓	✓	✓	✓	✓		5 m
	UT 1187-500	For single-port cuffs	orange male - standard female	✓	✓	✓	✓	✓	✓	✓		5 m
	UT 1278-500	For IVRA cuff	orange	✓	✓				✓	✓		5 m

* These hoses will still be available until the end of 2019
** e.g. Zimmer, VBM and other standard connections

ulrich medical® disposable cuffs

The fast road to safety

Reliable hygiene. Streamlined process.

The new ulrich medical® disposable cuffs fit 100% into your hygiene concept.

As a disposable product, they ensure the highest level of hygiene safety and reliability, regardless of hospital and surgical processes. The disposable cuffs will maximize flexibility for your staff members, making their jobs much easier.

Available in sizes 2XS to 2XL (parallel shape) and XL (tapered shape) and also as an IVRA version for your regional anesthesia, ulrich medical® disposable cuffs are a reliable partner at your side.

- For single use – no additional time and expenses for reprocessing in your CSSD.
- Size XL with additional symbol to help with positioning of the tapered cuff
- Easy to apply thanks to a Velcro® closure and additional safety band
- Active prevention of a chain of MRSA microbe transmission in the hospital
- Reduces your investment budget and optimizes your process costs
- Can be applied quickly for emergency patients
- Sterile packaging* – no risk of cross-contamination

Safe and compatible with various connectors

Green connector:
for assuan™, kariba™, nurek™

Orange connector:
for elsa™, heidi™, sophie™, balbina™

Standard connector:
Connection of the cuffs to third-party devices

* Sterile products are generally not returnable

Disposable cuffs

with color-coding at a glance

Designation	Connector	Size mm (L × W)*	Size in (L × W)*	Item no.	Sales unit
Cuff 2XS	orange	200 mm × 70 mm	8 in × 3 in	UT 1332-2XS	10 pieces
Cuff XS	orange	300 mm × 90 mm	12 in × 4 in	UT 1332-XS	10 pieces
Cuff S	orange	495 mm × 100 mm	19 in × 4 in	UT 1332-S	10 pieces
Cuff M	orange	600 mm × 100 mm	24 in × 4 in	UT 1332-M	10 pieces
Cuff L	orange	760 mm × 100 mm	30 in × 4 in	UT 1332-L	10 pieces
Cuff XL, tapered	orange	860 mm × 100 mm	34 in × 4 in	UT 1332-XL	10 pieces
Cuff XL, parallel	orange	860 mm × 100 mm	34 in × 4 in	UT 1332-XL-P	10 pieces
Cuff 2XL	orange	1070 mm × 100 mm	42 in × 4 in	UT 1332-2XL	10 pieces
IVRA Cuff XS	orange	300 mm × 90 mm	12 in × 4 in	UT 1332-IVRA-XS	10 pieces
IVRA Cuff S	orange	495 mm × 100 mm	19 in × 4 in	UT 1332-IVRA-S	10 pieces
IVRA Cuff M	orange	600 mm × 100 mm	24 in × 4 in	UT 1332-IVRA-M	10 pieces
Disposable cuff S	green	495 mm × 100 mm	19 in × 4 in	UT 1331-S**	10 pieces
Disposable cuff M	green	600 mm × 100 mm	24 in × 4 in	UT 1331-M**	10 pieces
Cuff 2XS	Standard	200 mm × 70 mm	8 in × 3 in	UT 1330-2XS	10 pieces
Cuff XS	Standard	300 mm × 90 mm	12 in × 4 in	UT 1330-XS	10 pieces
Cuff S	Standard	495 mm × 100 mm	19 in × 4 in	UT 1330-S	10 pieces
Cuff M	Standard	600 mm × 100 mm	24 in × 4 in	UT 1330-M	10 pieces
Cuff L	Standard	760 mm × 100 mm	30 in × 4 in	UT 1330-L	10 pieces
Cuff XL, tapered	Standard	860 mm × 100 mm	34 in × 4 in	UT 1330-XL	10 pieces
Cuff XL, parallel	Standard	860 mm × 100 mm	34 in × 4 in	UT 1330-XL-P	10 pieces
Cuff 2XL	Standard	1070 mm × 100 mm	42 in × 4 in	UT 1330-2XL	10 pieces
IVRA Cuff XS	Standard	300 mm × 90 mm	12 in × 4 in	UT 1330-IVRA-XS	10 pieces
IVRA Cuff S	Standard	495 mm × 100 mm	19 in × 4 in	UT 1330-IVRA-S	10 pieces
IVRA Cuff M	Standard	600 mm × 100 mm	24 in × 4 in	UT 1330-IVRA-M	10 pieces

Orange connector:
for elsa™, heidi™, sophie™, balbina™

Green connector:
for assuan™, kariba™, nurek™

Standard connector:
Connection of the cuffs to third-party devices

* Length measured from the outer edge to the outer edge of the cuff
** These cuffs will still be available until the end of 2019

ulrich medical® multi-use cuffs

Convenient high-performance quality

Maximum application quality.
Extremely gentle for patients.

ulrich medical® multi-use cuffs consist of comfortable high-tech synthetic fibers. This is what makes the cuffs unique. They can be sterilized with steam and can therefore be reused without hesitation. The cuffs can be placed with optimal fit thanks to the elasticity of the material.
Since the individual components of the cuffs can be disassembled, a long life cycle and high degree of efficiency is guaranteed. Available in sizes 2XS to 3XL, ulrich medical® multi-use cuffs are your optimal partner for maximum application quality and a high degree of patient comfort, particularly during long surgical procedures.

+ High-quality, latex-free
+ Easy sterilization
+ Color-coded sizes

Velcro® cleaning comb to quickly and easily clean cuffs

Standard connector for use of the ulrich medical® tourniquet cuffs with third-party devices

Special **ulrich medical® measuring tape** for accurately determining the circumference of the extremity and the optimal cuff size

Multi-use cuffs

with color-coding at a glance

Designation	Connector	Connections	Size cm (L × W)*	Size in (L × W)*	Item no.
Cuff 2XS	orange	Single-hose	250 mm × 55 mm	10 in x 2 in	UT 1317-2XS
Cuff XS	orange	Single-hose	290 mm × 70 mm	11 in x 3 in	UT 1317-XS
Cuff S	orange	Single-hose	495 mm × 85 mm	18 in x 3 in	UT 1317-S
Cuff IVRA-I	orange	Single-hose	500 mm × 150 mm	20 in x 6 in	UT 1317-IVRA-I
Cuff M	orange	Single-hose	600 mm × 100 mm	24 in x 4 in	UT 1317-M
Cuff L	orange	Single-hose	760 mm × 120 mm	28 in x 5 in	UT 1317-L
Cuff XL	orange	Single-hose	950 mm × 150 mm	37 in x 6 in	UT 1317-XL
Cuff 2XL	orange	Single-hose	1090 mm × 100 mm	43 in x 4 in	UT 1317-2XL
Cuff 3XL	orange	Single-hose	1310 mm × 120 mm	52 in x 5 in	UT 1317-3XL
Cuff 2XS	green	Single-hose	250 mm × 55 mm	10 in x 2 in	UT 1314-2XS**
Cuff XS	green	Single-hose	290 mm × 70 mm	11 in x 3 in	UT 1314-XS**
Cuff S	green	Single-hose	495 mm × 85 mm	18 in x 3 in	UT 1314-S**
Cuff IVRA-I	green	Single-hose	500 mm × 150 mm	20 in x 6 in	UT 1314-IVRA-I**
Cuff M	green	Single-hose	600 mm × 100 mm	24 in x 4 in	UT 1314-M**
Cuff 2XS	Standard	Single-hose	250 mm × 55 mm	10 in x 2 in	UT 1321-2XS
Cuff 2XS	Standard	Dual-hose	250 mm × 55 mm	10 in x 2 in	UT 1322-2XS
Cuff XS	Standard	Single-hose	290 mm × 70 mm	11 in x 3 in	UT 1321-XS
Cuff XS	Standard	Dual-hose	290 mm × 70 mm	11 in x 3 in	UT 1322-XS
Cuff S	Standard	Single-hose	495 mm × 85 mm	18 in x 3 in	UT 1321-S
Cuff S	Standard	Dual-hose	495 mm × 85 mm	18 in x 3 in	UT 1322-S
Cuff IVRA-I	Standard	Single-hose	500 mm × 150 mm	20 in x 6 in	UT 1321-IVRA-I
Cuff IVRA-I	Standard	Dual-hose	500 mm × 150 mm	20 in x 6 in	UT 1322-IVRA-I
Cuff M	Standard	Single-hose	600 mm × 100 mm	24 in x 4 in	UT 1321-M
Cuff M	Standard	Dual-hose	600 mm × 100 mm	24 in x 4 in	UT 1322-M
Cuff L	Standard	Single-hose	760 mm × 120 mm	28 in x 5 in	UT 1321-L
Cuff L	Standard	Dual-hose	760 mm × 120 mm	28 in x 5 in	UT 1322-L
Cuff XL	Standard	Single-hose	950 mm × 150 mm	37 in x 6 in	UT 1321-XL
Cuff XL	Standard	Dual-hose	950 mm × 150 mm	37 in x 6 in	UT 1322-XL
Cuff 2XL	Standard	Single-hose	1090 mm × 100 mm	43 in x 4 in	UT 1321-2XL
Cuff 2XL	Standard	Dual-hose	1090 mm × 100 mm	43 in x 4 in	UT 1322-2XL
Cuff 3XL	Standard	Single-hose	1310 mm × 120 mm	52 in x 5 in	UT 1321-3XL
Cuff 3XL	Standard	Dual-hose	1310 mm × 120 mm	52 in x 5 in	UT 1322-3XL

2XS
XS
S
M
L
XL
2XL
3XL

Orange connector:
for elsa™, heidi™, sophie™, balbina™

Green connector:
for assuan™, kariba™, nurek™

Standard connector:
Connection of the cuffs to third-party devices

* Length measured from the outer edge to the outer edge of the cuff
** These cuffs will still be available until the end of 2019

Cuff accessories

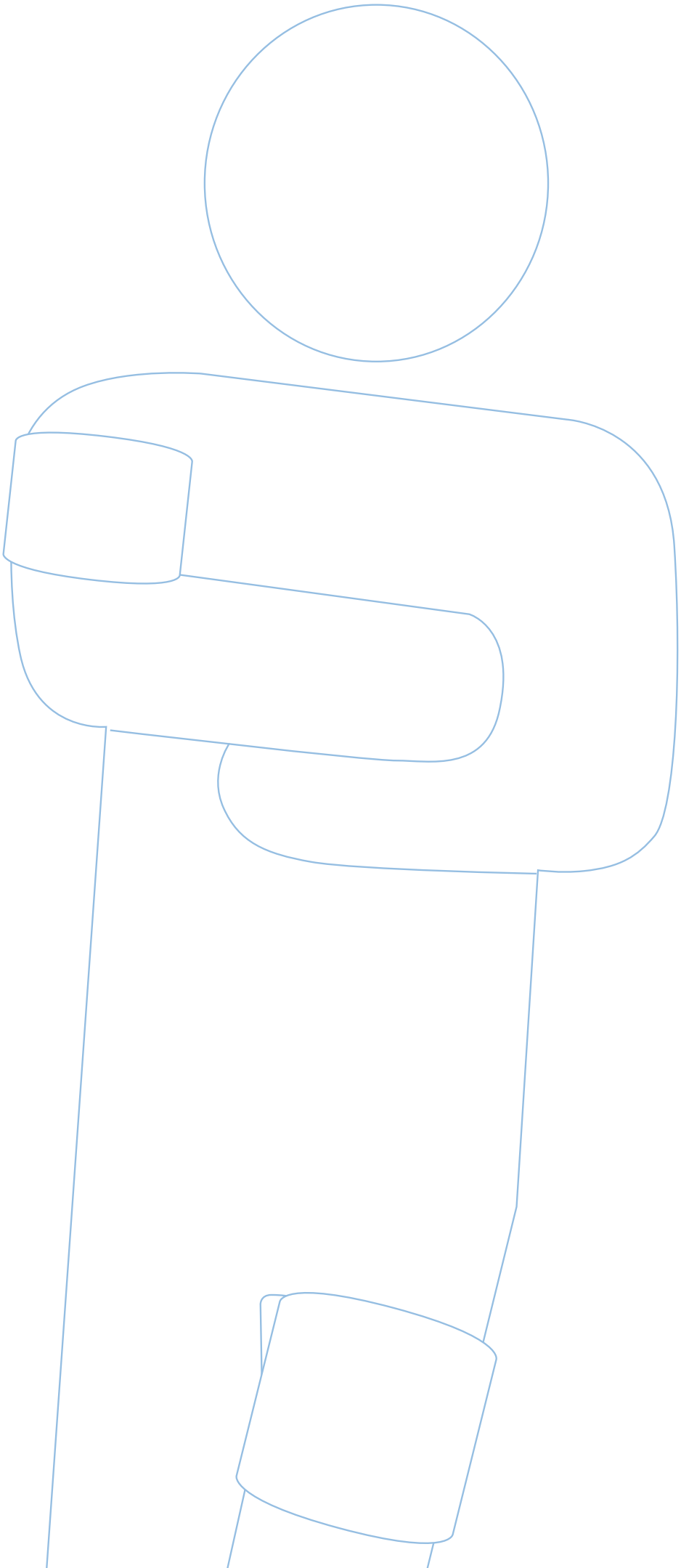
Designation	Item no.
ulrich medical® cuff size tape in sizes 2XS to 3XL	UT 1315
Velcro® cleaning comb	300.001

Esmarch bandages

Designation	Size mm (L × W)	Size in (L × W)	Item no.	Sales unit
Esmarch rubber bandage	60 mm x 5000 mm	2 in x 197 in	607000 000060	2 pieces
Esmarch rubber bandage	80 mm x 5000 mm	3 in x 197 in	607000 000080	2 pieces
Esmarch rubber bandage	100 mm x 5000 mm	4 in x 197 in	607000 0000100	2 pieces

Excerpt from the General Terms and Conditions of Sale and Delivery of ulrich GmbH & Co. KG:

Section 7 Warranty: The period of limitation for warranty claims is 24 months from the time of delivery of the purchased item and for batteries (reusable batteries) that were properly stored/used, the period of limitation for warranty claims is 6 months from the time of delivery of the purchased item. Excluded from the warranty are also components declared to be expendable parts which are subject to different stresses according to use, and which must be replaced accordingly at the expense of the user.



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Sustaining member of the German Society of
Hospital Hygiene

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