



**RÜSCH UROLOGY**  
For almost every application



# UROLOGY

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RÜSCH

## **SUPERIOR QUALITY**

Under the RÜSCH brand name, Teleflex provides well-known quality products for almost every area of urology – from transurethral urinary drainage to urodynamics.

More than 100 years of know-how have gone into each of our products, and with this probably unique experience we have been able to make them as simple, comfortable and safe as possible, for patients as well as for doctors and medical staff. However, we are not content with what we have achieved. Our constant search for perfection through continuous research and development plus the use of new technologies has resulted in medical products the quality of which sets the standard throughout the world.

## **FOR ALMOST EVERY APPLICATION**

Our extensive range of urology products offers you high-quality instruments for almost every application – be it standard or special – and thus enables you to cater optimally for your patients.

## **FOR CHILDREN ONLY THE BEST**

Children are more sensitive to surgical interventions than adults. That is why it is good to know that all our products are manufactured with particular care, right down to the last detail, and that special attention is paid to tips and eyes to make sure they are completely smooth and rounded.

## **NO COMPROMISES REGARDING MATERIALS**

Thanks to the wide range of materials used, you can find the right product for any application, which will not only meet your patients' needs but also provide economical solutions. In addition, the high quality standard of all RÜSCH materials guarantees maximum safety.







## **THE RIGHT SIZE FOR EVERY PATIENT**

We offer you a comprehensive range of sizes to choose from – especially in the fields of transurethral and suprapubic urinary drainage, ureteral stents and ureteral catheters.

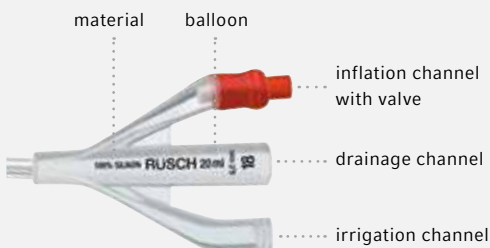
## **FOLEYS FOR ALL CASES**

We provide a broad range of Foley catheters for transurethral urine drainage made of various materials, with various tips, in all the required sizes, for short and long-term drainage, and for postoperative use. No matter which Foley catheter you choose, the ease and safety of handling and high patient comfort guarantee optimal patient care, while always remaining economical.







Whether for standard use or special uses, Teleflex Medical's RUSCH catheters always provide the right tip for ease of insertion. A broad range with the perfect product for every application, whether for short or long-term use.

TIPS
<b>cylindrical</b> 
<b>Tiemann</b> 
<b>Couvelaire</b> 
<b>Dufour</b> 
<b>Mercier</b> 
<b>whistle tip</b> 

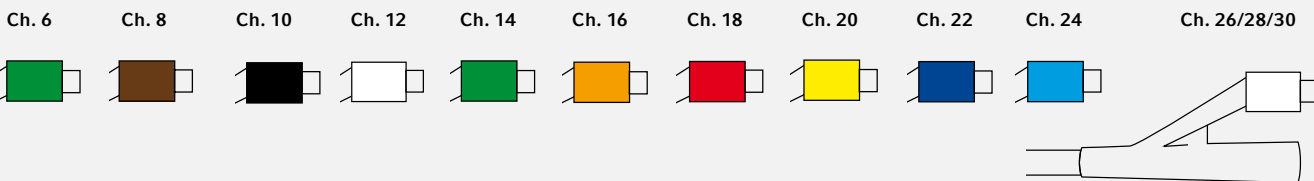
MATERIALS	DURATION OF USE IN WEEKS					
	1	2	3	4	5	6
<b>Silicone (Rüsch Brilliant)</b> <ul style="list-style-type: none"> <li>• biocompatible, biostable, non-allergenic</li> <li>• surface inhibits encrustation</li> <li>• high drainage capacity, also ideal for long-term use</li> <li>• safe and easy to insert</li> <li>• high patient comfort</li> </ul>						
<b>Silicone elastomer coated latex (SiLaSil)</b> <ul style="list-style-type: none"> <li>• abrasion-resistant coating inside and outside</li> <li>• flexible latex shaft</li> <li>• smooth surface inside and outside</li> <li>• reduced tendency to encrustation</li> <li>• can be left in longer than latex</li> </ul>						
<b>Latex (Rüsch Gold)</b> <ul style="list-style-type: none"> <li>• particularly economical</li> </ul>						
<b>PVC (SoftSimplastic)</b> <ul style="list-style-type: none"> <li>• efficient drainage</li> <li>• safe and easy to insert</li> <li>• adapts to anatomical situation</li> <li>• efficient aspiration of blood clots and resected tissue</li> <li>• very good for postoperative use</li> </ul>						



Catheter external diameter, e.g. 18 Charrière/French = 6 mm

EYE ARRANGEMENTS			
	1 eye		2 eyes, staggered
	2 opposing eyes		3 eyes, staggered
	2 eyes, side by side		over entire tip (TUR)

Colour code:



# 1 TRANSURETHRAL FOLEY CATHETERS

## 1.1 STANDARD 2-WAY DRAINAGE

### PROFILCATH GLYCERINE

Silicone with  
longitudinal grooves



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	171505	<b>cylindrical, solid tip</b>				
		Ch. 12-24	10 ml	2 opposing eyes	approx. 41 cm	5

### PROFILCATH AQUAFLATE GLYCERINE BRILLANT FOLEY CATHETER

made of silicone, transparent, with  
longitudinal grooves for drainage of  
urethral secretions, with prefilled  
syringe for balloon inflation

- prefilled syringe in sterile packaging (10 ml sterile 10% glycerine solution)
- valve for Luer and Luer-lock syringe tips
- radiopaque tip and contrast stripe along the catheter shaft
- sterile, single use
- **latex-free**

### AQUAFLATE GLYCERINE

Silicone



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	178000	<b>cylindrical, solid tip</b>				
		Ch. 12-24	10 ml	2 opposing eyes	approx. 41 cm	5
	178001	<b>for WOMEN, cylindrical, solid tip</b>				
		Ch. 12-24	10 ml	2 opposing eyes	approx. 23 cm	5
	178305	<b>Tiemann</b>				
		Ch. 12-24	10 ml	1 eye	approx. 41 cm	5

**AQUAFLATE GLYCERINE  
BRILLANT FOLEY CATHETER**  
made of silicone, transparent,  
with prefilled syringe for balloon  
inflation

- prefilled syringe in sterile packaging (10 ml sterile 10% glycerine solution)
- valve for Luer and Luer-lock syringe tips
- radiopaque tip and contrast stripe along the catheter shaft
- sterile, single use
- **latex-free**

### RÜSCH BRILLANT

Silicone



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	170605	<b>cylindrical, solid tip</b>				
		Ch. 12-24	10 ml	2 opposing eyes	approx. 41 cm	10
	171305	<b>Tiemann</b>				
		Ch. 12-24	10 ml	1 eye	approx. 41 cm	5

### RÜSCH BRILLANT FOLEY CATHETER

made of silicone, transparent

- valve for Luer and Luer-lock syringe tips
- radiopaque tip and contrast stripe along the catheter shaft
- sterile, single use
- **latex-free**

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

\* These products contain natural rubber latex which may cause allergic reactions.

**SILASIL FOLEY CATHETER**



made of latex, abrasion-resistant silicone elastomer inner and outer coating, blue

- abrasion-resistant silicone elastomer coating on the inside and outside
- valve for Luer and Luer-lock syringe tips
- sterile, single use

**SILASIL**

Latex  
Silicone



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	186005*	<b>cylindrical</b>				
		Ch. 12/14 Ch. 16-30	5-10 ml 5-15 ml	2 opposing eyes	approx. 40 cm	10
	186505*	<b>Tiemann</b>				
		Ch. 12/14 Ch. 16-24	5-10 ml 5-15 ml	1 eye	approx. 40 cm	10

**RÜSCH GOLD FOLEY CATHETER**




made of latex, yellow

- valve for Luer and Luer-lock syringe tips
- for short-term drainage
- siliconised
- sterile, single use

**RÜSCH GOLD**

Latex



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	180605*	<b>cylindrical</b>				
		Ch. 12/14 Ch. 16-30	5-10 ml 5-15 ml	2 opposing eyes	approx. 40 cm	10
	180105*	<b>for WOMEN, cylindrical</b>				
		Ch. 12/14 Ch. 16-22	5-10 ml 5-15 ml	2 opposing eyes	approx. 25 cm	10
	181305*	<b>Tiemann</b>				
		Ch. 12/14 Ch. 16-26	5-10 ml 5-15 ml	1 eye	approx. 40 cm	10

**SOFTSIMPLASTIC FOLEY CATHETER**

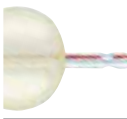
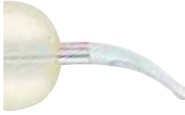
made of PVC, transparent

- thermosensitive
- latex balloon
- valve for Luer and Luer-lock syringe tips
- red contrast stripe along the catheter shaft
- sterile, single use

**SOFTSIMPLASTIC**

PVC



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	660610*	<b>cylindrical</b>				
		Ch. 12-26	10 ml	2 opposing eyes	approx. 42 cm	10
	661610*	<b>Tiemann</b>				
		Ch. 14-22	10 ml	1 eye	approx. 42 cm	10

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

### WIRUTHAN®

Polyurethane



REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
331305*	<b>Tiemann</b>				
	Ch. 6/8 Ch. 10/12	3 ml 5 ml	1 eye	approx. 40 cm	5

### RÜSCH FOLEY CATHETER

made of polyurethane, transparent

- with latex RüsCh Gold balloon
- valve for Luer and Luer-lock syringe tips
- sterile, single use

### ROBUSTA RUBBER

Rubber



REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
201661*	<b>Tiemann</b>				
	Ch. 10 Ch. 12-24	3-5 ml 5-15 ml	1 eye	approx. 40 cm	10

### FOLEY CATHETER

made of Robusta rubber, red

- with latex coating
- with latex RüsCh Gold balloon
- valve for Luer and Luer-lock syringe tips
- sterile, single use

## THE RIGHT MATERIAL FOR EVERY USE

### Silicone – ideal for long-term use

rüsCh Brilliant Foley catheters, made of pure colourless silicone, are distinguished by their smooth surface, both on the outer and inner lumen. Combined with the inertness of the material, urethral irritation and encrustation are largely avoided. Silicone also possesses high biocompatibility and biostability. Spontaneous reactions in the patient due to the material are unknown.

Because of its good tolerability, silicone is the ideal catheter material, even for long-term use. The strong and yet highly flexible material ensures easy and safe passage, offers a high degree of comfort and allows high drainage capacity.

The transparency of the silicone facilitates visual assessment of the inner lumen and allows a decision to be made about whether a catheter change is necessary.

rüsCh silicone Foley catheters are characterised by outstanding cost effectiveness due to their excellent long-term characteristics.

### Latex\*

rüsCh GOLD Foley catheters are made of a natural latex compound. This material is the one most commonly used for standard as well as postoperative applications.

### SiLaSil – latex\* coated with silicone elastomer

The structure of the silicone coating gives these catheters their name: SiLaSil = silicone layer – latex core – silicone layer. The latex shaft provides high flexibility. The abrasion-resistant smooth silicone coating reduces the possibility of encrustation and increases the indwelling time. Thus, SiLaSil catheters combine the positive characteristics of latex and silicone and provide high patient comfort with cost effectiveness.

### PVC – ideal for postoperative use

This high-quality thermosensitive material is particularly suitable for postoperative irrigation and drainage catheters. The plastic is still firm during introduction, which facilitates catheterisation.

Heat from body contact makes PVC flexible, so the catheter can adapt optimally to the patient's anatomy. This increases patient comfort.

The very large internal diameters relative to the outer diameters ensure high drainage capacity. Stable catheter walls allow safe irrigation and offer high resistance to collapse during aspiration of blood clots and resected tissue.

\* These products contain natural rubber latex which may cause allergic reactions.



## 1.2 CATHETERS FOR POSTOPERATIVE DRAINAGE, 2- AND 3-WAY

### RÜSCH BRILLANT FOLEY CATHETER

made of silicone, transparent



Catheter for postoperative drainage, 2-way

- valve for Luer and Luer-lock syringe tips
- radiopaque tip and contrast stripe along the catheter shaft
- sterile, single use
- **latex-free**

### RÜSCH BRILLANT

Silicone



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	170630	<b>cylindrical, solid tip</b>				
		Ch. 18/20 Ch. 22/24	20 ml 30 ml	2 eyes, staggered	approx. 41 cm	10
	172530	<b>Couvelaire</b>				
		Ch. 18/20 Ch. 22/24	20 ml 30 ml	2 eyes, staggered	approx. 41 cm	5

### SOFTSIMPLASTIC FOLEY CATHETER

made of PVC, transparent

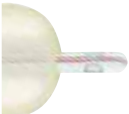




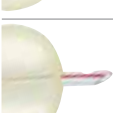
Catheter for postoperative drainage, 2-way

- thermosensitive
- latex balloon
- valve for Luer and Luer-lock syringe tips
- **red** contrast stripe along the catheter shaft
- sterile, single use

### SOFTSIMPLASTIC

PVC



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	660630*	<b>cylindrical</b>				
		Ch. 14-28	30 ml	2 opposing eyes	approx. 42 cm	10
	661630*	<b>Tiemann</b>				
		Ch. 14-22	30 ml	1 eye	approx. 42 cm	10
	662530* 662575*	<b>Couvelaire</b>				
		Ch. 16-24 Ch. 18-24	30 ml 75 ml	2 opposing eyes	approx. 42 cm	10
	662630* 662675*	<b>Dufour</b>				
		Ch. 18-24 Ch. 18-24	30 ml 75 ml	2 eyes, staggered	approx. 42 cm	10
	662430*	<b>Mercier</b>				
		Ch. 14-24	30 ml	2 eyes, staggered	approx. 42 cm	10
	663630*	<b>whistle tip</b>				
		Ch. 14-28	30 ml	1 eye	approx. 42 cm	10

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE





\* These products contain natural rubber latex which may cause allergic reactions.

## RÜSCH GOLD

Latex



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	180630*	<b>cylindrical</b>				
		Ch. 12/14 Ch. 16-30	30 ml 30-50 ml	2 opposing eyes	approx. 40 cm	10
	181330*	<b>Tiemann</b>				
		Ch. 14 Ch. 16-24	30 ml 30-50 ml	1 eye	approx. 40 cm	10

## RÜSCH GOLD FOLEY CATHETER

made of latex, yellow


Catheter for postoperative drainage, 2-way

- valve for Luer and Luer-lock syringe tips
- siliconised
- sterile, single use

## RÜSCH GOLD, ARMoured

Armoured latex



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	183530*	<b>cylindrical</b>				
		Ch. 18-24	30-50 ml	2 eyes, staggered	approx. 40 cm	10

The spiral in the wall enables the greatest flexibility possible, a consistently large lumen and high tension.

## RÜSCH GOLD FOLEY CATHETER

made of latex, armoured, yellow




Catheter for postoperative drainage, 2-way

- valve for Luer and Luer-lock syringe tips
- siliconised
- sterile, single use

## ROBUSTA RUBBER

Rubber



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	201665*	<b>Tiemann</b>				
		Ch. 12-24	30-50 ml	1 eye	approx. 40 cm	10
	202201*	<b>Delinotte, Mercier tip</b>				
		Ch. 18-24	50 ml	2 eyes, staggered	approx. 40 cm	5
	202600*	<b>Dufour</b>				
		Ch. 16-24	50 ml	2 eyes, staggered	approx. 40 cm	5

## FOLEY CATHETER

made of Robusta rubber, red

Catheter for postoperative drainage, 2-way

- with latex coating
- with Rüsch Gold latex balloon
- valve for Luer and Luer-lock syringe tips
- sterile, single use

**RÜSCH BRILLANT FOLEY CATHETER**







made of silicone, transparent

Catheter for postoperative drainage, 3-way

- valve for Luer and Luer-lock syringe tips
- radiopaque tip and contrast stripe along the catheter shaft
- sterile, single use
- **latex-free**

**RÜSCH BRILLANT**  
Silicone



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	173830	<b>cylindrical, solid tip</b>				
		Ch. 18/20 Ch. 22/24	20 ml 30 ml	2 eyes, staggered	approx. 41 cm	5
	173810	<b>Couvelaire</b>				
		Ch. 16/18 Ch. 20-24	80 ml 100 ml	2 eyes, staggered	approx. 41 cm	5
	173930	<b>Couvelaire</b>				
		Ch. 18/20 Ch. 22/24	20 ml 30 ml	2 eyes, staggered	approx. 41 cm	5
	173910	<b>Couvelaire</b>				
		Ch. 16/18 Ch. 20-24	80 ml 100 ml	2 eyes, staggered	approx. 41 cm	5
	174030	<b>Dufour</b>				
		Ch. 18/20 Ch. 22/24	20 ml 30 ml	2 eyes, staggered	approx. 41 cm	5
	174130	<b>Mercier</b>				
		Ch. 18/20 Ch. 22/24	20 ml 30 ml	2 eyes, staggered	approx. 41 cm	5

**PROFILCATH RÜSCH BRILLANT FOLEY CATHETER**

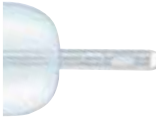


made of silicone, transparent, with longitudinal grooves for drainage of urethral secretion

Catheter for postoperative drainage, 3-way

- valve for Luer and Luer-lock syringe tips
- radiopaque tip and contrast stripe along the catheter shaft
- sterile, single use
- **latex-free**

**PROFILCATH**  
Silicone with longitudinal grooves



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	173430	<b>cylindrical, solid tip</b>				
		Ch. 18/20 Ch. 22/24	20 ml 30 ml	2 eyes, staggered	approx. 41 cm	5
	173230	<b>Couvelaire</b>				
		Ch. 18/20 Ch. 22/24	20 ml 30 ml	2 eyes, staggered	approx. 41 cm	5
	173330	<b>with instillation lumen for medical treatment of the urethra, instillation opening below the balloon, cylindrical, solid tip</b>				
		Ch. 18/20 Ch. 22/24	20 ml 30 ml	2 eyes, staggered	approx. 41 cm	5

**3-WAY  
SILICONE FOLEY**  
Silicone



**FOLEY CATHETER**

made of silicone, transparent

Catheter for postoperative drainage, 3-way

- large volume balloon fits closely to the shaft
- valve for Luer and Luer-lock syringe tips
- radiopaque tip and contrast stripe along the catheter shaft
- sterile, single use
- **latex-free**

REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
173800	<b>cylindrical</b>				
	Ch. 16	40 ml	2 eyes, staggered	approx. 42 cm	5
	Ch. 18	50 ml			
	Ch. 20	60 ml			
	Ch. 22	70 ml			
Ch. 24	80 ml				
173900	<b>Couvelaire</b>				
	Ch. 16	40 ml	2 eyes, staggered	approx. 42 cm	5
	Ch. 18	50 ml			
	Ch. 20	60 ml			
	Ch. 22	70 ml			
Ch. 24	80 ml				
174000	<b>Dufour</b>				
	Ch. 16	40 ml	2 eyes, staggered	approx. 42 cm	5
	Ch. 18	50 ml			
	Ch. 20	60 ml			
	Ch. 22	70 ml			
Ch. 24	80 ml				
174100	<b>Mercier</b>				
	Ch. 16	40 ml	2 eyes, staggered	approx. 42 cm	5
	Ch. 18	50 ml			
	Ch. 20	60 ml			
	Ch. 22	70 ml			
Ch. 24	80 ml				

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

\* These products contain natural rubber latex which may cause allergic reactions.

**SOFTSIMPLASTIC FOLEY CATHETER**

made of PVC, transparent

Catheter for postoperative drainage, 3-way

- thermosensitive
- latex balloon
- valve for Luer and Luer-lock syringe tips
- red contrast stripe along the catheter shaft
- sterile, single use

**SOFTSIMPLASTIC PVC**



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	664330*	<b>cylindrical</b>				
		Ch. 18-24	30 ml	2 eyes, side by side	approx. 42 cm	10
	664130* 664176*	<b>Couvelaire</b>				
		Ch. 16-24 Ch. 18-24	30 ml 75 ml	2 opposing eyes	approx. 42 cm	10
	664530* 664575*	<b>Dufour</b>				
		Ch. 18-22 Ch. 18-24	30 ml 75 ml	2 eyes, staggered	approx. 42 cm	10
	664230* 664275*	<b>Mercier</b>				
		Ch. 20-24 Ch. 18-24	30 ml 75 ml	2 eyes in front and 1 eye behind balloon 2 eyes, staggered	approx. 42 cm	10
	663230*	<b>whistle tip</b>				
		Ch. 18-24	30 ml	2 eyes, side by side	approx. 42 cm	10

**RÜSCH GOLD FOLEY CATHETER**

made of latex, yellow

Catheter for postoperative drainage, 3-way

- valve for Luer and Luer-lock syringe tips
- siliconised
- sterile, single use

**RÜSCH GOLD Latex**







	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	183405*	<b>cylindrical</b>				
		Ch. 18-26	5-15 ml	2 eyes, side by side	approx. 40 cm	10
	183430*	<b>cylindrical</b>				
		Ch. 18-26	30-50 ml	2 eyes, side by side	approx. 40 cm	10
	183230*	<b>whistle tip</b>				
		Ch. 18-24	30-50 ml	2 eyes, side by side	approx. 40 cm	10

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

## RÜSCH GOLD, ARMOURED

Armoured latex





	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	183830*	<b>cylindrical</b>				
		Ch. 18-24	30-50 ml	2 eyes, side by side	approx. 40 cm	10
	183960*	<b>Couvelaire</b>				
		Ch. 18-24	30-50 ml	2 eyes, staggered	approx. 40 cm	10
	183930*	<b>whistle tip</b>				
		Ch. 18-24	30-50 ml	2 eyes, side by side	approx. 40 cm	10
	184110*	<b>TUR catheter, cylindrical, Mercier tip</b>				
		Ch. 18-24	50-100 ml	drainage holes over the whole tip	approx. 40 cm	10

The spiral in the wall enables the greatest flexibility possible, a consistently large lumen and high tension.

## ROBUSTA RUBBER

Rubber



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	204500* 204502*	<b>Dufour</b>				
		Ch. 16-26 Ch. 18-24	50 ml 50-100 ml	2 eyes, staggered	approx. 40 cm	5
	204401* 204410*	<b>Frohmüller, Mercier tip</b>				
		Ch. 18-26 Ch. 20-26	50 ml 50-100 ml	3 eyes, staggered	approx. 40 cm	5

Tip: For safety reasons, all our balloons with a capacity of up to 100 ml (100 ml balloon) have a slightly enlarged circumference.

## RÜSCH GOLD FOLEY CATHETER

made of latex, armoured, yellow

Catheter for postoperative drainage, 3-way

- valve for Luer and Luer-lock syringe tips
- siliconised
- sterile, single use

## FOLEY CATHETER

made of Robusta rubber, red

Catheter for postoperative drainage, 3-way

- with latex coating
- with Rüsch Gold latex balloon
- valve for Luer and Luer-lock syringe tips
- sterile, single use

## 1.3 FOLEY CATHETERS FOR CHILDREN

### AQUAFLATE GLYCERINE BRILLANT FOLEY CATHETER



made of silicone, transparent,  
with prefilled syringe for balloon  
inflation

- prefilled syringe in sterile packaging (1.5, 3 or 5 ml sterile 10% glycerine solution)
- valve for Luer and Luer-lock syringe tips
- radiopaque tip and contrast stripe along the catheter shaft
- sterile, single use
- **latex-free**

### AQUAFLATE GLYCERINE

Silicone



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	178003	<b>cylindrical, with stylet, solid tip</b>				
		Ch. 6 Ch. 8 Ch. 10	1.5 ml 3 ml 5 ml	2 opposing eyes	approx. 31 cm	5
		<b>Tiemann, with stylet</b>				
	178004	Ch. 8 Ch. 10	3 ml 5 ml	1 eye	approx. 31 cm	5

### RÜSCH BRILLANT FOLEY CATHETER



made of silicone, transparent

- valve for Luer and Luer-lock syringe tips
- radiopaque tip and contrast stripe along the catheter shaft
- sterile, single use
- **latex-free**

### RÜSCH BRILLANT

Silicone



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	170003	<b>cylindrical, with stylet, solid tip</b>				
		Ch. 6 Ch. 8 Ch. 10	1.5 ml 3 ml 5 ml	2 opposing eyes	approx. 31 cm	5
		<b>Tiemann, with stylet</b>				
	170004	Ch. 8 Ch. 10	3 ml 5 ml	1 eye	approx. 31 cm	5

### RÜSCH GOLD FOLEY CATHETER


made of latex, yellow

- valve for Luer and Luer-lock syringe tips
- for short-term drainage
- siliconised
- sterile, single use

### RÜSCH GOLD

Latex



	REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	180003*	<b>cylindrical, with stylet</b>				
		Ch. 8/10	3 ml	2 opposing eyes	approx. 30 cm	10

\* This product contains natural rubber latex which may cause allergic reactions.


\* This product contains natural rubber latex which may cause allergic reactions.

**WIRUTHAN®**  
Polyurethane



**RÜSCH FOLEY CATHETER**  
made of polyurethane, transparent

- with Rüschi Gold latex balloon
- valve for Luer and Luer-lock syringe tips
- sterile, single use


REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	331505*	<b>cylindrical</b>			
	Ch. 6/8 Ch. 10/12	3 ml 5 ml	1 eye	approx. 25 cm	5

**RÜSCH SENSOR**  
Silicone







**RÜSCH SENSOR FOLEY CATHETER**  
for temperature measurement, made of silicone, transparent

- colour-coded shrink-sleeve for easy identification of size
- with prefilled syringe in sterile packaging (3 ml/5 ml sterile 10% glycerine solution)
- radiopaque tip and contrast stripe along the catheter shaft
- sterile, single use
- **latex-free**

REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
	179360 <sup>1</sup>	<b>cylindrical</b>			
	Ch. 8 Ch. 10	3 ml 5 ml	2 opposing eyes	approx. 30 cm	5

<sup>1</sup> Ref. 179360 in Ch. 12-18 see page 14.

**ADAPTER CABLES FOR RÜSCH SENSOR**

REF.	ADAPTER	LENGTH	QTY
	179312 <b>Hospital plug</b> , 6.3 mm for Siemens, Dräger, Datex, Hellige, etc.	5.0 m	1
	179313 <b>Siemens round plug</b> , 7-pole	3.5 m	1
	179314 <b>HP round plug</b> , 2-pole, for Hewlett Packard	5.0 m	1
	179316 <b>Cool Gard CG 3000</b> , 2-pole	5.0 m	1

Note: All rüschi adapter cables are equipped with a towel clamp.

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE



## 1.4 SPECIAL CATHETERS

### BALLOON CATHETER FOR THE NEOBLADDER FOR POSTOPERATIVE DRAINAGE

made of silicone, transparent, with longitudinal grooves for drainage of urethral secretions, 3-way

- valve for Luer and Luer-lock syringe tips
- sterile, single use
- **latex-free**

### CATHETER FOR THE NEOBLADDER

Silicone



REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
173420	<b>central open tip, approx. 4 cm long</b>				
	Ch. 20 Ch. 22	20 ml 30 ml	6 opposing eyes	approx. 40 cm	5

### RÜSCH SENSOR FOLEY CATHETER

for temperature measurement, made of silicone, transparent, 2-way

- colour-coded shrink-sleeve for easy identification of size
- with prefilled syringe in sterile packaging (3 ml/5 ml/10 ml sterile 10% glycerine solution)
- radiopaque tip and contrast stripe along the catheter shaft
- sterile, single use
- **latex-free**

### RÜSCH SENSOR

Silicone



REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
179360	<b>cylindrical</b>				
	Ch. 8 Ch. 10 Ch. 12-18	3 ml 5 ml 10 ml	2 opposing eyes	approx. 30 cm approx. 30 cm approx. 44 cm	5

Adapter cables see p. 13

### CATHETER FOR RADIOGRAPHIC VISUALISATION OF THE FEMALE URETHRA

made of silicone, transparent, 2-way

- valve for Luer and Luer-lock syringe tips
- freely movable cone
- radiopaque tip
- sterile, single use
- **latex-free**

### CATHETER FOR RADIOGRAPHIC VISUALISATION

Silicone



REF.	ORDER SIZE	BALLOON	EYES	LENGTH	QTY
173705	<b>cylindrical, 3 drainage openings for X-ray contrast medium</b>				
	Ch. 14	10 ml	2 opposing eyes	approx. 40 cm	1

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

## CHAIN CATHETER SET



	REF.	MATERIAL	SIZE	LENGTH	QTY	
	345500	<b>Chain catheter set</b>				
		Insertion probe, white polyurethane	Ch. 7	5 cm		
		Chromium-plated brass chain with fixation disc made of silicone	Ch. 12	16 cm	2	
		Insertion sheath, green polyurethane	Ch. 7	24 cm		

## CHAIN CATHETER SET FOR RADIOGRAPHIC VISUALISATION OF THE FEMALE URETHRA

Contrast medium injection, X-ray visualisation and urine specimen collection with one and the same instrument.

- Contrast medium injector made of stainless steel with Luer-lock fitting made of PVC (approx. 28 cm long)
- Insertion stylet made of stainless steel (approx. 32.5 cm long)
- sterile, single use
- **latex-free**

## CATHETER FOR RADIATION MEASUREMENT

Polyurethane



	REF.	ORDER SIZE	BALLOON	LENGTH	QTY	
	333464*	<b>cylindrical</b>				
		Ch. 18	10 ml	approx. 41 cm	10	








## CATHETER FOR RADIATION MEASUREMENT

made of polyurethane, 2-way

- latex balloon
- valve for Luer and Luer-lock syringe tips
- sterile, single use

\* This product contains natural rubber latex which may cause allergic reactions.

## 1.5 ACCESSORIES

	REF.	DESCRIPTION	QTY
	204501	<b>Adjustable flange</b> <ul style="list-style-type: none"> <li>• to fix haemostatic catheters</li> <li>• for catheters in size Ch. 24</li> <li>• sterile, single use</li> </ul>	5
	546000	<b>Catheter stylet, made of metal</b> <ul style="list-style-type: none"> <li>• Thompson pattern (one straight and one curved end)</li> <li>• diameter 2.5 mm</li> <li>• approx. 55 cm long</li> <li>• unsterile</li> </ul>	1
	548000	<b>Catheter plug, made of blue PVC</b> <ul style="list-style-type: none"> <li>• for Ch. 7-30</li> <li>• unsterile</li> <li>• <b>latex-free</b></li> </ul>	100
	548500	<b>Catheter plug, made of blue PVC</b> <ul style="list-style-type: none"> <li>• for Ch. 7-30</li> <li>• individual packaging</li> <li>• blunt-nosed</li> <li>• sterile, single use</li> <li>• <b>latex-free</b></li> </ul>	50
	556000	<b>SILKOSPRAY®</b> <p>Silkospray® prevents encrustation of rubber, latex and PVC devices and also prevents them from sticking to the mucosa. The propellant used contains no CFCs and complies with environmental regulations.</p>	10
	187501 187502	<b>Perineal drape, made of plastic</b> <ul style="list-style-type: none"> <li>• without adhesive tape</li> <li>• with adhesive tape</li> <li>• sterile, single use</li> <li>• <b>latex-free</b></li> </ul>	50
	850550	<b>SiiFlate, prefilled syringe*</b> <ul style="list-style-type: none"> <li>• with sterile 10% aqueous glycerine solution</li> <li>• 10 ml</li> <li>• sterile, single use</li> </ul> <p><b>* Attention: To inflate silicone balloons only!</b></p>	10

## 2 BLADDER CATHETERS WITHOUT BALLOON

### 2.1 CATHETERS MADE OF PVC

#### CATHETERS PVC



	REF.	ORDER SIZE	EYES	LENGTH	QTY
	250100	<b>aseptic solid tip</b>			
		Ch. 6-22	1 eye	approx. 37 cm	5
	251500	<b>olive tip</b>			
		Ch. 8-18	1 eye	approx. 37 cm	5
	252000	<b>Mercier pattern</b>			
		Ch. 8-24	1 eye	approx. 37 cm	5
	254800	<b>Couvelaire pattern, whistle tip</b>			
		Ch. 14-26	2 eyes, staggered	approx. 37 cm	10
	259700	<b>Tiemann pattern</b>			
		Ch. 6-24	1 eye	approx. 37 cm	5

#### CATHETERS made of PVC

- red
- with funnel
- sterile
- latex-free

#### CATHETERS FOR WOMEN PVC



	REF.	ORDER SIZE	EYES	LENGTH	QTY
	220005	<b>cylindrical tip, siliconised, double packed, size acc. to colour code</b>			
		Ch. 8-16	1 eye	approx. 16 cm	50
	220006	<b>cylindrical tip, siliconised, simple packed, size acc. to colour code</b>			
		Ch. 8-16	1 eye	approx. 16 cm	50
	238000	<b>cylindrical tip, double packed</b>			
		Ch. 8-16	2 eyes, staggered	approx. 18 cm	100
	238300	<b>cylindrical tip, simple packed</b>			
		Ch. 8-16	2 eyes, staggered	approx. 18 cm	100

#### CATHETERS FOR WOMEN made of PVC

- transparent
- without funnel
- sterile, single use
- latex-free

CHARRIÈRE SIZE IS  
COLOUR CODED:



Ch. 10



Ch. 14



Ch. 18



Ch. 22



Ch. 12



Ch. 16



Ch. 20








Ch. 24

**CATHETERS**  
made of PVC

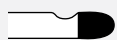
- transparent
- with funnel
- sterile, single use
- latex-free

**CATHETERS**  
PVC



	REF.	ORDER SIZE	EYES	LENGTH	QTY
	220500	<b>Nelaton-Robinson</b> , cylindrical aseptic solid tip, siliconised, size acc. to colour code			
		Ch. 10-24	2 eyes, staggered	approx. 40 cm	50
	238500	<b>Nelaton-Robinson</b> , cylindrical tip, size acc. to colour code on funnel			
		Ch. 10-24	2 eyes, staggered	approx. 40 cm	100
	221500	<b>Couvelaire pattern</b> , whistle tip, siliconised			
		Ch. 16-26	2 eyes, staggered	approx. 40 cm	10
	221800	<b>Tiemann pattern</b> , aseptic solid tip, siliconised, size acc. to colour code			
		Ch. 12-24	2 eyes, staggered	approx. 40 cm	50
	221900	<b>Tiemann pattern</b> , aseptic solid tip, siliconised, double packed, size acc. to colour code			
		Ch. 12-24	2 eyes, staggered	approx. 40 cm	50

CHARRIÈRE SIZE IS  
COLOUR CODED:



Ch. 10



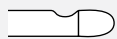
Ch. 14



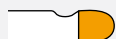
Ch. 18



Ch. 22



Ch. 12



Ch. 16



Ch. 20



Ch. 24






WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

## 2.2 CATHETERS MADE OF RUBBER

### NELATON CATHETERS

Soft rubber



	REF.	ORDER SIZE	EYES	LENGTH	QTY
	402100*	<b>aseptic solid tip</b> Ch. 6/7/8/9/10 Ch. 12-30 <sup>1</sup>	1 eye	approx. 40 cm	10
	402101*	<b>aseptic solid tip</b> Ch. 6/7/8/9/10 Ch. 12-30 <sup>1</sup>	2 eyes, staggered	approx. 40 cm	10
	403300*	<b>Robinson pattern, hollow tip</b> Ch. 8-20 <sup>1</sup>	2 eyes, staggered	approx. 40 cm	10
	403900*	<b>whistle tip</b> Ch. 8-22 <sup>1</sup>	1 eye	approx. 40 cm	10
	404300*	<b>central opening</b> Ch. 6-26 <sup>1</sup>	1 eye	approx. 40 cm	10

### NELATON CATHETERS



made of soft rubber

- red
- cylindrical
- with funnel
- sterile

### TIEMANN CATHETERS

Robusta rubber



	REF.	ORDER SIZE	EYES	LENGTH	QTY
	410200*	<b>Tiemann pattern, aseptic solid tip</b> Ch. 7/8/9/10 Ch. 12-28 <sup>1</sup>	1 eye	approx. 40 cm	10
	410201*	<b>Tiemann pattern, aseptic solid tip</b> Ch. 7/8/9/10 Ch. 12-26 <sup>1</sup>	2 eyes, staggered	approx. 40 cm	10

### TIEMANN CATHETERS




made of Robusta rubber

- red
- with funnel
- sterile

### SELF-RETAINING CATHETERS

Latex



	REF.	ORDER SIZE	WINGS	LENGTH	QTY
	415100*	<b>Pezzer pattern</b> Ch. 10-44 <sup>1</sup>	-	approx. 35 cm	5
	415600*	<b>Casper pattern</b> Ch. 10-40 <sup>1</sup>	4	approx. 40 cm	5
	415700*	<b>Malecot pattern</b> Ch. 10-28 <sup>1</sup>	2	approx. 40 cm	5

### SELF-RETAINING CATHETERS

made of latex

- red
- with funnel
- sterile, single use

\* These products contain natural rubber latex which may cause allergic reactions. <sup>1</sup> Even sizes only

### 3 BLADDER CATHETERISATION SET

#### 3.1 DESCRIPTION

3



#### BLADDER CATHETERISATION SET

REF.	DESCRIPTION	QTY
187500	<p><b>Sterile contents:</b></p> <ul style="list-style-type: none"> <li>1 x water-proof paper cloth, approx. 76 x 46 cm</li> <li>1 x kidney tray</li> <li>1 x pair of vinyl gloves XL</li> <li>1 x PE glove XL</li> <li>1 x plastic tray with 6 gauze swabs</li> <li>2 x gauze compresses 8 x 7.5 cm</li> <li>1 x water-proof drape with slit, approx. 76 x 46 cm</li> <li>1 x plastic tweezers</li> <li>1 x sachet with 5 g water-soluble lubricant</li> </ul> <p>sterile, single use  <b>latex-free</b></p>	20

About 90% of all urinary tract infections are caused by urinary drainage. The risk of bacteriuria or urinary tract infection for patients with a transurethral Foley catheter increases by 3 to 10% every day during indwelling time. Apart from the health risks for the patient himself, such infections also present a big economic problem. Each transurethral application can lead to contamination with microbes. It is therefore important that catheterisation is carried out under aseptic conditions.



## 3.2 APPLICATION

**NOTE:** All materials needed for bladder catheterisation must be prepared using aseptic techniques. With the help of a second person preparation and application are much easier.

**RECOMMENDATION:** After informing the patient about the forthcoming bladder catheterisation, the intimate areas should be leaned thoroughly.

The patient is then placed in a flat dorsal position. Ask women to tuck up their legs and place their feet in a straddled position. Place a cloth under the patient's buttocks. Finally, disinfect your hands.

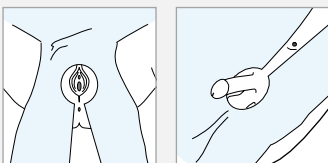


### STEP 1: PREPARATION

- 1 Open the set; the outer peel-back can be kept and used as a refuse bag. Spread out the inner packaging to serve as a sterile work surface.
- 2 Put on the vinyl gloves, then the PE glove.
- 3 The second person can make sure that all additional materials used are sterile and can douse the 6 gauze swabs in the small plastic tray with disinfectant for the mucosa. If necessary, the Foley catheter can be connected to the closed urine collector before application.

### STEP 2: DRAPE WITH SLIT

- 1 Using aseptic techniques, the drape with the slit is now placed on the patient with the foil side facing down. For women, the slit should point towards the feet, and for men it should point towards the head.



- 2 The kidney tray is now placed between the legs of women, or on the legs of men.

### STEP 3: DISINFECTION

Disinfection of the outer genitals. Use every swab only once!



#### PROCEDURE WITH WOMEN

(after cleaning the intimate areas if necessary):

1. and 2. swab: disinfection of labium majus (labia l. and r.)

**Always from front to back!**

3. and 4. swab: disinfection of nymphae (labia l. and r.)

**Always from front to back!**

5. swab: disinfection of urethra

6. swab: cover the vaginal entrance if necessary



#### PROCEDURE WITH MEN

(after cleaning the intimate areas if necessary):

Pull back prepuce (foreskin). Disinfect the whole of the glans penis, from urethra to the body, using all 6 swabs.

### STEP 4: CATHETERISATION

- 1 After disinfection, take off the PE glove.  
**Make sure the two other gloves remain sterile.**
- 2 Wet the catheter tip sufficiently with the water-soluble lubricant.
- 3 Either by hand or using the plastic tweezers, carefully insert the catheter into the urethra until urine starts flowing.
- 4 In the case of indwelling Foley catheters, advance the catheter until the balloon is safely positioned in the bladder. Fill the balloon with the maximum volume indicated on the catheter funnel and pull the catheter back until slight resistance can be felt.  
**We recommend filling the balloons with sterile water. Balloons of silicone Foleys should preferably be filled with a sterile 10% glycerine solution.**  
If an indwelling Foley catheter is being used and it has not yet been connected to a sterile closed urine collector, this should be done now.
- 5 In men, the foreskin should be repositioned after catheterisation.

### STEP 5: COMPLETION

- Dry the genital area if necessary.
- Fasten the urine collector to the bed, always below bladder level.
- Dispose of all materials in an environmentally suitable manner.
- Disinfect hands.



# 4 SUPRAPUBIC URINE DRAINAGE

## 4.1 SETS FOR ADULTS AND CHILDREN

4

EASYCYST ADULT		THE ECONOMICAL CATHETER MADE OF POLYURETHANE FOR SHORT AND MEDIUM-TERM CARE	
REF.	ORDER SIZE	QTY	
170718*	<b>Puncture set</b>		
	Ch. 8/10/12/14	10	
170717	<b>Exchange set</b>		
	Ch. 8/10/12/14/16	10	
<p><b>With pigtail – without balloon</b></p> <ul style="list-style-type: none"> <li>• good drainage capacity even with small outer diameters due to minimal wall thickness</li> <li>• good compatibility due to low encrustation tendency</li> <li>• minimum irritation of the bladder mucosa due to the pigtail tip in the bladder</li> <li>• reduced invasiveness due to the small outer diameter (no balloon)</li> <li>• safe attachment by suture without significant constriction of the lumen due to shape-retaining polyurethane</li> <li>• sterile, single use</li> <li>• <b>latex-free</b></li> </ul>			



\* The puncture set Ref. 170718 in Ch. 8 is supplied with a 30 mm long spacer.

SUPRAFLEX ADULT		THE LONG-TERM CATHETER MADE OF SILICONE FOR THE GREATEST POSSIBLE COMFORT DURING WEAR	
REF.	ORDER SIZE	QTY	
170703	<b>Puncture set</b>		
	Ch. 10/12	5	
170704	<b>Exchange set</b>		
	Ch. 10/12/14/16	5	
<p><b>With pigtail – and balloon</b></p> <ul style="list-style-type: none"> <li>• extremely high drainage capacity even during long-term usage due to low encrustation tendency and large drainage eyes on the inner side of the pigtail</li> <li>• greatest possible comfort during wear due to elasticity and biological compatibility</li> <li>• minimal irritation of the bladder mucosa due to the pigtail tip in the bladder</li> <li>• no suture necessary as secured by the balloon: minimally invasive</li> <li>• sterile, single use</li> <li>• <b>latex-free</b></li> </ul>			




SILFLATE		PREFILLED SYRINGE*	
REF.	FILL VOLUME	QTY	
850550	<b>SilFlate</b>		
	10 ml	10	
<ul style="list-style-type: none"> <li>• with sterile 10% aqueous glycerine solution</li> <li>• sterile, single use</li> </ul> <p><b>*Attention: To inflate silicone balloons only!</b></p>			



SUPRACATH ADULT		THE ECONOMICAL PRODUCT MADE OF SILICONE FOR LONG-TERM CARE	
REF.	ORDER SIZE	QTY	
170727*	<b>Puncture set</b>		
	Ch. 8/10/12	5	
170729*	<b>Exchange set</b>		
	Ch. 8/10/12/14/16	5	
170606*	<b>Single catheter</b>		
	Ch. 8/10/12/14/16/18/20	10	
<p><b>With centrally open tip – and balloon</b></p> <ul style="list-style-type: none"> <li>• high drainage capacity even during long-term care due to extremely low encrustation tendency</li> <li>• greatest possible comfort during wear due to elasticity and biological compatibility</li> <li>• exceptionally simple and quick catheter change via a guidewire thanks to the central opening and the straight tip</li> <li>• no suture necessary as secured by the balloon: minimally invasive</li> <li>• sterile, single use</li> <li>• <b>latex-free</b></li> </ul>			




\*Ch. 14-20 with radiopaque tip

**EASYCYST INFANT** 


THE ECONOMICAL POLYURETHANE CATHETER IS FOR THE SHORT AND MEDIUM-TERM CARE OF CHILDREN

REF.	ORDER SIZE	QTY
170723	<b>Puncture set</b>	
	Ch. 5	5
170722	<b>Exchange set</b>	
	Ch. 5	5




**With pigtail – without balloon**

- good drainage capacity even with small outer diameters due to minimum wall thickness
- good compatibility due to low encrustation tendency
- minimum irritation of the bladder mucosa due to the pigtail tip in the bladder
- reduced invasiveness due to the small outer diameter (no balloon)
- safe attachment by suture without significant constriction of the lumen due to shape-retaining polyurethane
- sterile, single use
- **latex-free**

**SUPRAFLEX INFANT** 

THE LONG-TERM CATHETER FOR CHILDREN IS MADE OF SILICONE AND OFFERS THE GREATEST POSSIBLE COMFORT DURING WEAR

REF.	ORDER SIZE	QTY
170702	<b>Puncture set</b>	
	Ch. 8/10	5



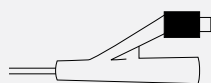
**With pigtail – without balloon**

- extremely high drainage capacity even during long-term usage due to low encrustation tendency and large drainage eyes on the inner side of the pigtail
- greatest possible comfort during wear due to elasticity and biological compatibility
- minimal irritation of the bladder mucosa due to the pigtail tip in the bladder
- sterile, single use
- **latex-free**

COLOUR-CODED PUNCTURE NEEDLES, CATHETERS AND BALLOON SIZES



Ch. 8 = 3 ml



Ch. 10 = 5 ml



Ch. 12 = 10 ml



Ch. 14 = 10 ml



Ch. 16 = 10 ml

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

## 4.2 AN OVERVIEW OF THE SETS

### PUNCTURE SETS

PUNCTURE SETS CONTAIN THE MOST IMPORTANT COMPONENTS FOR FIRST USE. RELIABLE SIZE IDENTIFICATION THANKS TO COLOUR-CODED CATHETERS AND PUNCTURE NEEDLES PROVIDES INFORMATION ON THE DRAINAGE CAPACITY.



Contents:

- catheter
- urine bag<sup>①</sup> (not EasyCyst Infant)
- easily splittable puncture cannula
- scalpel (not EasyCyst Infant)
- adhesive tape
- clamp or plug

### PUNCTURE SETS

REF.	DESIGNATION	CATHETER				ORDER SIZE	PUNCTURE NEEDLE	QTY
		DESIGN	BALLOON	MATERIAL	LENGTH		PUNCT. LENGTH	
170718 <sup>②</sup>	EASYCYST ADULT	Pigtail	–	polyurethane	550 mm	Ch. 8	80 mm	10
170718	EASYCYST ADULT	Pigtail	–	polyurethane	550 mm	Ch. 10/12/14	120 mm	10
170703	SUPRAFLEX ADULT	Pigtail	balloon	silicone	510 mm	Ch. 10/12	120 mm	5
170727	SUPRACATH ADULT	Short, straight tip	balloon	silicone	410 mm	Ch. 8/10/12	120 mm	5
170723	EASYCYST INFANT	Pigtail	–	polyurethane	500 mm	Ch. 5	70 mm	5
170702	SUPRAFLEX INFANT	Pigtail	–	silicone	480 mm	Ch. 8	80 mm	5
170702	SUPRAFLEX INFANT	Pigtail	–	silicone	480 mm	Ch. 10	120 mm	5

① 2-litre urine bag with anti-reflux valve, T-tap outlet and 90 cm inlet tubing.  
 ② The puncture set Ref. 170718 in Ch. 8 is supplied with a 30 mm long spacer.

### EXCHANGE SETS

EXCHANGE SETS ENABLE A SAFE AND QUICK CATHETER CHANGE BY MEANS OF THE ENCLOSED GUIDEWIRE. RELIABLE SIZE IDENTIFICATION THANKS TO COLOUR-CODED CATHETERS PROVIDES INFORMATION ON THE DRAINAGE CAPACITY.





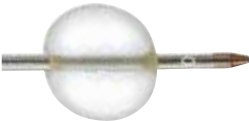
Contents:

- catheter
- guidewire with PTFE coating
- adhesive tape
- clamp or plug

### EXCHANGE SETS

REF.	DESIGNATION	CATHETER				ORDER SIZE	GUIDEWIRE	QTY
		DESIGN	BALLOON	MATERIAL	LENGTH		LENGTH	
170717	EASYCYST ADULT	Pigtail	–	polyurethane	550 mm	Ch. 8/10/12/14/16	1000 mm	10
170704	SUPRAFLEX ADULT	Pigtail	balloon	silicone	510 mm	Ch. 10/12/14/16	1000 mm	5
170729	SUPRACATH ADULT	Short, straight tip	balloon	silicone	410 mm	Ch. 8/10/12/14/16	1000 mm	5
170722	EASYCYST INFANT	Pigtail	–	polyurethane	500 mm	Ch. 5	1000 mm	5

### 4.3 PUNCTURE INSTRUMENT FOR EMERGENCY APPLICATIONS

	PUNCTURE AND URINE DRAINAGE WITHIN SECONDS		
	REF.	ORDER SIZE	QTY
	650704*	<b>Puncture instrument</b>	
		Ch. 10/12/16	5
	<p><b>Puncture instrument made of PVC with latex balloon for emergency applications</b></p> <ul style="list-style-type: none"> <li>• puncture and urine drainage in one step with integrated trocar and catheter</li> <li>• exactness of puncture thanks to integrated adjustable spacer</li> <li>• safe fixation of the catheter by means of balloon and fixing plate</li> <li>• sterile, single use</li> </ul>		
	<p><b>SPEED WHEN EVERY SECOND COUNTS</b>                  Apply a local anaesthetic, make a small incision and insert the puncture instrument: urine can be drained immediately.</p>		

\* This product contains natural rubber latex which may cause allergic reactions.

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

# 5 URINE COLLECTORS

## 5.1 PRECONNECTED

**SAFE AND HYGIENIC:**

About 90% of all nosocomial urinary tract infections are caused by urinary drainage. Apart from the health risks to the patient, such infections are also a major economic problem. RÜSCH offers a variety of products which reduce the risk of infection. The closed urinary drainage system represents one of the most important elements of prophylaxis against infections. RÜSCH urinary drainage systems meet all the hygienic demands of a high-quality closed system for long-term medical care.

**PRECONNECTED: MAXIMUM PROPHYLAXIS AGAINST INFECTIONS DURING STANDARD MEDICAL CARE**






Reduction in intraluminal urinary tract infections: The connection between catheter and closed urinary drainage system is safeguarded via a protective foil – thus preventing unintentional disconnection and an associated invasion of bacteria. (If necessary, the foil can be removed).  
Economic and quick: No need for connection – saves time and reduces the number of application mistakes during catheterisation.

5

PRECONNECTED		CLOSED URINARY DRAINAGE SYSTEM WITH SILICONE BALLOON CATHETER FOR STANDARD DRAINAGE OVER LONG PERIODS		
	REF.	COMPOSITION	ORDER SIZE	QTY
Sterile, single use, latex-free	171100	<b>PRECONNECTED</b>		10
		<b>Rüsch Brilliant silicone balloon catheter</b> cylindrical solid tip, 2 opposing eyes, length approx. 41 cm, balloon 10 ml	Ch. 12/14/16/18/20/22	
		<b>Closed urinary drainage system Rüsch S-Bag</b> capacity 2000 ml, length of tube 120 cm		
		<b>SilFlate – pre-filled syringe*</b> with sterile 10% aqueous glycerine solution, 10 ml (Ref. 850550, if ordered separately)		
		<b>*Attention: To inflate silicone balloons only!</b>		
		<b>Rüsch Brilliant silicone balloon catheter</b> <ul style="list-style-type: none"> <li>transparent 2-way catheter with radiopaque tip and contrast stripe along the catheter shaft</li> <li>silicone guarantees constant elasticity and biocompatibility</li> <li>large eyes and large inner lumen permit high drainage performance</li> <li>minimal tendency to incrustation thanks to smooth surfaces</li> <li>atraumatic tip and eyes</li> <li>enclosed pre-filled syringe for inflation of the balloon, in sterile packaging, 10 ml sterile 10% aqueous glycerine solution</li> </ul>		
		<b>Rüsch S-Bag</b> <ul style="list-style-type: none"> <li>ridged universal connector</li> <li>needle-free urine sampling port</li> <li>vented drip chamber with integrated non-reflux valve</li> <li>additional bacteria-proof and liquid-tight ventilation at the bag</li> <li>clear graduation in ml</li> <li>flexible, kink-resistant inlet tubing with sheet clip and slide clamp</li> <li>optimum fastening of the system thanks to a double hook with additional cord</li> <li>non-dripping bottom outlet with one-hand clamp</li> <li>doghouse holder to fix the outlet tube</li> </ul>		

## 5.2 CLOSED URINARY DRAINAGE SYSTEMS

RÜSCH S-BAG		CLOSED URINARY DRAINAGE SYSTEM FOR STANDARD DRAINAGE OVER LONG PERIODS			
	REF.		CAPACITY	TUBE LENGTH	QTY
Sterile, single use, <b>latex-free</b>	673044-000000	<b>Rüsch S-Bag</b>	2000 ml	120 cm	20
	673049-000000	<b>Rüsch S-Bag A</b>	2000 ml		
	673049-002500	<b>Rüsch S-Bag I</b>	2500 ml		
		<ul style="list-style-type: none"> <li>• ridged universal connector with protective cap</li> <li>• needle-free urine sampling port</li> <li>• vented drip chamber with integrated non-reflux valve</li> <li>• additional bacteria-proof and liquid-tight ventilation at the bag</li> <li>• clear graduation in ml</li> <li>• flexible, kink-resistant inlet tubing with sheet clip and slide clamp</li> <li>• optimum fastening of the system thanks to a double hook with additional cord</li> <li>• non-dripping bottom outlet with one-hand clamp (Ref. 673044-000000) or with T-tap valve (Ref. 673049-000000 and Ref. 673049-002500)</li> <li>• doghouse holder to fix the outlet tube</li> </ul>		 <p>T-tap outlet Ref. 673049-000000 and Ref. 673049-002500</p>	
RÜSCH P-BAG		CLOSED URINARY DRAINAGE SYSTEM FOR CHILDREN FOR STANDARD DRAINAGE OVER LONG PERIODS			
	REF.		CAPACITY	TUBE LENGTH	QTY
Sterile, single use, <b>latex-free</b>	673052-000000	<b>Rüsch P-Bag</b>	1000 ml	90 cm	20
		<ul style="list-style-type: none"> <li>• ridged universal connector with protective cap</li> <li>• needle-free urine sampling port</li> <li>• vented drip chamber with integrated non-reflux valve</li> <li>• additional bacteria-proof and liquid-tight ventilation at the bag</li> <li>• clear graduation in ml</li> <li>• flexible, kink-resistant inlet tubing with sheet clip and slide clamp</li> <li>• optimum fastening of the system thanks to a double hook with additional cord</li> <li>• non-dripping bottom outlet with one-hand clamp</li> <li>• doghouse holder to fix the outlet tube</li> </ul>			

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE



5

**RÜSCH CLOSED URINE METER SYSTEMS**

URINE DRAINAGE SYSTEMS CONSISTING OF URINE METER AND URINE COLLECTOR

	REF.	CAPACITY URINE METER	CAPACITY URINE COLLECTOR	TUBE LENGTH	QTY
Sterile, single use, <b>latex-free</b>	673081-000000* 673082-000000	500 ml	2000 ml	150 cm 120 cm	10



- Urine meter:**
- 500 ml capacity with integrated measurement chamber for small amounts (1 ml graduation)
  - ridged universal connector with protective cap
  - needle-free urine sampling port
  - tube reinforcement above drip chamber
  - vented drip chamber with integrated non-reflux valve
  - additional bacteria-proof and liquid-tight ventilation
  - flexible, kink-resistant inlet tubing with sheet clip and slide clamp
  - lateral straps for optimum fastening
  - easy to use bottom outlet valve
  - safety overflow inside the urine meter (in case the urine meter is overfilled, the urine flows directly into the urine collector without opening the bottom outlet valve of the meter)
- Urine collector:**
- 2000 ml capacity
  - non-reflux valve
  - bacteria-proof and liquid-tight ventilation
  - clear graduation in ml
  - **T-tap outlet valve**
  - slit to fix the outlet tube

\*Will be available starting from April 2013

**EXCHANGE COLLECTOR FOR REF. 673081-000000 AND REF. 673082-000000**

	REF.	CAPACITY	QTY
Sterile, single use, <b>latex-free</b>	673083-000000	2000 ml	50



- non-reflux valve
- bacteria-proof and liquid-tight ventilation
- clear graduation in ml
- **T-tap outlet valve**
- slit to fix the outlet tube

**RÜSCH U-BAG**

CLOSED URINARY DRAINAGE SYSTEM WITH INTEGRATED 400 ML MEASUREMENT CHAMBER

	REF.		CAPACITY	TUBE LENGTH	QTY
Sterile, single use, <b>latex-free</b>	673064-000000 673065-000000	<b>Rüsch U-Bag</b>	2000 ml	120 cm 150 cm	10



- ridged universal connector with protective cap
- needle-free urine sampling port
- vented drip chamber with integrated non-reflux valve
- 400 ml mounted pivoting double measurement chamber with integrated 50 ml measurement chamber for small amounts and additional sampling port for fresh urine
- additional bacteria-proof and liquid-tight ventilation at the measurement chamber and bag
- clear graduation in ml
- flexible, kink-resistant inlet tubing with sheet clip and slide clamp
- optimum fastening of the system thanks to a Velcro band with D-ring
- non-dripping bottom outlet with one-hand clamp
- doghouse holder to fix the outlet tube

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

**RÜSCH TUR-BAG**

CLOSED URINARY DRAINAGE SYSTEM FOR POSTOPERATIVE BLADDER IRRIGATION AND DRAINAGE

	REF.		CAPACITY	TUBE LENGTH	QTY
Sterile, single use, <b>latex-free</b>	673053-000000	<b>Rüsch TUR-Bag</b>	4000 ml	120 cm	20



- ridged universal connector with protective cap
- needle-free urine sampling port
- vented drip chamber with integrated non-reflux valve
- additional bacteria-proof and liquid-tight ventilation at the bag
- clear graduation in ml
- flexible, kink-resistant inlet tubing with sheet clip and slide clamp
- optimum fastening of the system thanks to a double hook with additional cord
- exact reading thanks to balanced position of bag
- non-dripping T-tap bottom outlet
- doghouse holder to fix the outlet tube

**RÜSCH TUR-BAG WITH BULB**

CLOSED URINARY DRAINAGE SYSTEM FOR POSTOPERATIVE BLADDER IRRIGATION AND DRAINAGE


	REF.		CAPACITY	TUBE LENGTH	QTY
Sterile, single use, <b>latex-free</b>	673054-000000	<b>Rüsch TUR-Bag</b>	4000 ml	120 cm	10



- ridged universal connector with protective cap
- needle-free urine sampling port
- vented drip chamber with integrated non-reflux valve
- additional bacteria-proof and liquid-tight ventilation at the bag
- clear graduation in ml
- flexible, kink-resistant, inlet tubing with suction bulb, sheet clip and slide clamp
- optimum fastening of the system thanks to a double hook with additional cord
- exact reading thanks to balanced position of bag
- non-dripping T-tap bottom outlet
- doghouse holder to fix the outlet tube

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

## 5.3 ACCESSORIES

URINE COLLECTION BAG		URINE COLLECTION BAG TO EMPTY URINE DRAINAGE SYSTEMS AND FOR THE DISPOSAL OF URINE	
	REF.	CAPACITY	QTY
<b>Non-sterile, single use, latex-free</b>	673045-000000	2000 ml	250
		<ul style="list-style-type: none"> <li>• 2000 ml bag with ml graduation</li> <li>• ridged universal connector with protective cap, suitable for all urine drainage systems with <b>elastic</b> outlet tube<sup>1</sup></li> <li>• sliding clamp at the inlet tubing to close the bag</li> </ul> <p><sup>1</sup>The urine collection bag Ref. 673045-000000 ideally fits our closed urinary drainage systems: Preconnected (Ref. 171100), Rüsich S-Bag (Ref. 673044-000000), Rüsich P-Bag (Ref. 673052-000000), Rüsich U-Bag (Ref. 673064-000000 &amp; 673065-000000) as well as all other urine drainage systems with <b>elastic</b> outlet tubes.</p>	

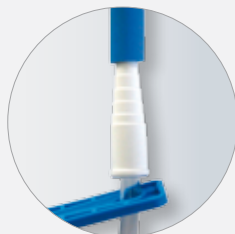
We can provide you with a clean and hygienic way of emptying urine drainage systems and disposing of urine.

The urine collection bag, which has been especially designed to empty urine drainage systems and dispose of their contents, can be connected directly to the outlet tube of the system. In this way you can avoid using open urine sampling containers and save the inevitable cleaning of the container after each usage.

5

URINE COLLECTION BAG WITH FEMALE CONNECTOR		URINE COLLECTION BAG TO EMPTY URINE DRAINAGE SYSTEMS AND FOR THE DISPOSAL OF URINE	
	REF.	CAPACITY	QTY
<b>Non-sterile, single use, latex-free</b>	673045-002000* 673045-002500	2000 ml 2500 ml	250 25
		<ul style="list-style-type: none"> <li>• 2000 or 2500 ml bag with ml graduation</li> <li>• female connector, suitable for all urine drainage systems with <b>T-tap outlet valve</b><sup>2</sup></li> <li>• sliding clamp at the inlet tubing to close the bag</li> </ul> <p><sup>2</sup>The urine collection bags Ref. 673045-002000 and Ref. 673045-002500 ideally fit our closed urinary drainage systems: Rüsich S-Bag A (Ref. 673049-000000), Rüsich S-Bag I (Ref. 673049-002500), Rüsich closed urine meter systems (Ref. 673081-000000 and Ref. 673082-000000) as well as all other urine drainage systems with <b>T-tap outlet valve</b>.</p>	

\*Will be available starting from April 2013



When being emptied, the urine drainage system forms a firm and closed unit with the urine collection bag. Possible contamination of the surrounding area due to spots of urine can thus be avoided. After emptying the urine drainage system the urine collection bag can be closed by means of the sliding clamp and then disposed of. Thus the whole procedure has become safe and hygienic – an important contribution to infection prevention.

# 6 URETERAL CATHETERS

## 6.1 SUPERGLIDE URETERAL CATHETERS FOR STANDARD APPLICATIONS








### SUPERGLIDE URETERAL CATHETERS

Patented hydrogel coating – the solution for all difficult passages in the ureter

- radiopaque
- cm graduation
- red / green markers to identify right / left side
- enclosed Luer-lock adapter
- with stylet
- sterile, single use
- latex-free

### SUPERGLIDE URETERAL CATHETERS



Tip configuration	REF.	MATERIAL	ORDER SIZE	LENGTH	EYES	QTY
<b>with straight tip</b>						
 cylindrical, closed	264701	PVC with hydrogel coating	Ch. 3-8	approx. 70 cm	1	10
 cylindrical, closed	264702	PVC with hydrogel coating	Ch. 3-8	approx. 70 cm	2	10
<b>for coaxial applications</b>						
 central opening	264710	PVC with hydrogel coating	Ch. 3-8	approx. 70 cm	-	10
 central opening	264711	PVC with hydrogel coating	Ch. 3-8	approx. 70 cm	1	10
<b>with curved tip</b>						
 curved olive tip	264801	PVC with hydrogel coating	Ch. 3-8	approx. 70 cm	1	10
<b>for coaxial applications</b>						
 curved, central opening	264810	PVC with hydrogel coating	Ch. 3-8	approx. 70 cm	-	10
 curved, central opening	264811	PVC with hydrogel coating	Ch. 3-8	approx. 70 cm	1	10

Maximum diameter of guidewire for coaxial SUPERGLIDE ureteral catheters

REF. 264710 / 264711 / 264810 / 264811					
Ch. 3	Ch. 4	Ch. 5	Ch. 6	Ch. 7	Ch. 8
0.018"	0.028"	0.035"	0.038"	0.038"	0.038"
0.45 mm	0.71 mm	0.89 mm	0.96 mm	0.96 mm	0.96 mm

## 6.2 URETERAL CATHETERS FOR STANDARD APPLICATIONS









### URETERAL CATHETERS



### URETERAL CATHETERS

Great variety for diagnostics and optimum therapy

- radiopaque
- cm graduation
- red / green markers to identify right / left side
- enclosed Luer-lock adapter
- with stylet
- sterile, single use
- **latex-free**

Tip configuration	REF.	MATERIAL	ORDER SIZE	LENGTH	EYES	QTY
<b>with straight tip</b>						
 cylindrical, closed	263602	PVC	Ch. 3-10	approx. 70 cm	1	10
 cylindrical, closed	223602	PVC	Ch. 3-8	approx. 70 cm	1	10
 cylindrical, closed	223600	PVC extra smooth	Ch. 3-8	approx. 70 cm	1	10
 cylindrical, closed	223606	PVC	Ch. 3-8	approx. 70 cm	2	10
 highly flexible tip, cylindrical, closed	333601	PVC	Ch. 3-7	approx. 70 cm	2	10
 olive tip	263702	PVC	Ch. 3-8	approx. 70 cm	1	10
 olive tip	223706	PVC	Ch. 4-6	approx. 70 cm	2	10
 whistle tip	263802	PVC	Ch. 3-8	approx. 70 cm	1	10
<b>for coaxial applications</b>						
 central opening	264600	PVC	Ch. 3/4/4.8	approx. 70 cm	-	10
 central opening	223604	PVC	Ch. 3-8	approx. 70 cm	2	10

REF. 264600			REF. 223604			
Ch. 3	Ch. 4	Ch. 4.8	Ch. 3	Ch. 4/5	Ch. 6	Ch. 7/8
0.018"	0.032"	0.038"	0.015"	0.018"	0.032"	0.045"
0.45 mm	0.80 mm	0.96 mm	0.38 mm	0.45 mm	0.80 mm	1.14 mm

Maximum diameter of guidewire for coaxial ureteral catheters

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE





**URETERAL CATHETERS**

Great variety for optimum diagnostics and therapy – also for difficult passages in the ureter

- radiopaque
- cm graduation
- red / green markers to identify right / left side
- enclosed Luer-lock adapter
- with stylet
- sterile, single use
- **latex-free**

**URETERAL CATHETERS**



Tip configuration	REF.	MATERIAL	ORDER SIZE	LENGTH	EYES	QTY
<b>with curved tip</b>						
 curved olive tip	264001	PVC	Ch. 3-8	approx. 70 cm	1 20 mm from tip	10
<b>for coaxial applications</b>						
 curved, central opening	264100	PVC	Ch. 3-8	approx. 70 cm	-	10
 curved, central opening	264102	PVC	Ch. 4-7	approx. 70 cm	1	10
 curved, central opening	264200	PVC	Ch. 3-6	approx. 115 cm for uretero-reno- scopes	-	6

Maximum diameter of guidewire for coaxial ureteral catheters



REF. 264100			REF. 264102		REF. 264200		
Ch. 3	Ch. 4	Ch. 5/6/7/8	Ch. 4	Ch. 5/6/7	Ch. 3	Ch. 4	Ch. 5/6
0.015"	0.018"	0.035"	0.018"	0.035"	0.015"	0.018"	0.028"
0.38 mm	0.45 mm	0.89 mm	0.45 mm	0.89 mm	0.38 mm	0.45 mm	0.71 mm




### 6.3 URETERAL CATHETERS FOR SPECIAL APPLICATIONS

#### SPECIAL URETERAL CATHETERS



Tip configuration	REF.	MATERIAL	ORDER SIZE	LENGTH	EYES	QTY			
 Chevassu, whistle tip	267500	<b>Ureteral catheter, Chevassu pattern, for routine injection of contrast medium into the ureter during retrograde investigation</b>					10		
		PVC	Ch. 4-12	approx. 70 cm	-				
		Diameter of tip/shaft							
		Tip	Ch. 4	Ch. 5	Ch. 6	Ch. 7		Ch. 8	Ch. 9
Shaft	Ch. 3	Ch. 3	Ch. 4	Ch. 4	Ch. 5	Ch. 6	Ch. 7	Ch. 7	Ch. 7
 central opening	264500	<b>Ureteral catheter, Woodruff-Pflaumer pattern</b>					6		
		PVC	Ch. 5/8	approx. 50 cm	-				

Tip configuration	REF.	MATERIAL	ORDER SIZE	LENGTH	EYES	QTY	
 closed	324200*	<b>Ureteral catheter, Pflaumer pattern</b>					5
		soft rubber	Ch. 6-10/12	approx. 70 cm	2		

#### SPECIAL URETERAL CATHETERS

Everything ready at hand for special cases

- radiopaque
- cm graduation
- red / green markers to identify right / left side
- enclosed Luer-lock adapter
- with stylet
- sterile, single use
- **latex-free**

- with graduation
- sterile, single use

\* This product contains natural rubber latex which may cause allergic reactions.

#### MEASURING RANGE REF. 267500



WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

## 6.4 OCCLUSION CATHETERS

\* These products contain natural rubber latex which may cause allergic reactions.


### OCCLUSION CATHETER

For safe occlusion of the ureter

- occlusion catheter made of polyurethane
- with Rüsç Gold balloon made of latex
- attachable Luer-lock adapter with check valve
- radiopaque
- cm graduation
- sterile, single use



#### OCCLUSION CATHETER, SINGLE LUMEN



Tip configuration	REF.	MATERIAL	ORDER SIZE	LENGTH	EYES	QTY
 cylindrical, closed	340700*	polyurethane, latex balloon	Ch. 3-5	approx. 80 cm	-	2

#### OCCLUSION CATHETER, DOUBLE LUMEN



Tip configuration	REF.	MATERIAL	ORDER SIZE	LENGTH	EYES	QTY
 curved olive tip	340802*	polyurethane, latex balloon	Ch. 5-7	approx. 80 cm	1	2
<b>for coaxial applications</b>						
 central opening	340800*	polyurethane, latex balloon	Ch. 4-7	approx. 80 cm	-	2

Maximum balloon capacity

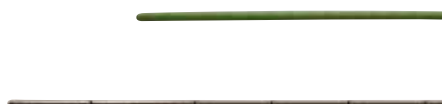
REF. 340700 / 340800 / 340802					
	Ch. 3	Ch. 4	Ch. 5	Ch. 6	Ch. 7
<b>Liquid</b>	0.3 ml	0.6 ml	1.5 ml	2.0 ml	2.5 ml

Maximum diameter of guidewire for coaxial occlusion catheters

REF. 340800	
Ch. 4	Ch. 5/6/7
0.015"	0.035"
0.38 mm	0.89 mm

## 6.5 GUIDEWIRES

GUIDEWIRE,  
MADE OF  
STAINLESS STEEL



### GUIDEWIRE

- straight flexible safety tip
- sterile, single use
- **latex-free**

	REF.	MATERIAL	ORDER SIZE	LENGTH	QTY	
 flexible tip   Size 2/3	264201	<b>Guidewire, with PTFE coating, with movable core</b>				
		stainless steel, PTFE coating	2/3	approx. 150 cm	5	
		<b>Size</b>	<b>2</b>	<b>3</b>		
		O.D. in inch	0.028"	0.035"		
		O.D. in mm	0.71 mm	0.89 mm		
 flexible tip	341002	<b>Guidewire, made of stainless steel, cm graduations up to 50 cm</b>				
		stainless steel	Ø 0.037" (0.95 mm)	approx. 150 cm	2	


NITINOL  
GUIDEWIRE



### NITINOL GUIDEWIRE

Simple application thanks to hydrophilic coating and precise handling due to nitinol core.






For sounding out tubular hollow organs and for the insertion of catheters with an open tip or of dilators in the urological sector.

	REF.	MATERIAL	SIZE	LENGTH	QTY
 straight and flexible tip	680160-150035	<b>Guidewire, with hydrophilic coating and nitinol core, straight and flexible tip (50 mm long), standard shaft in dispenser with introducer and Luer-lock adapter to humidify the hydrophilic coating.</b>			
		Nitinol	Ø 0.035" (0.89 mm)	approx. 150 cm	5

- high visibility in dark endoscopy rooms thanks to black PUR coating
- radiopaque
- sterile, single use
- **latex-free**

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

## 6.6 ACCESSORIES

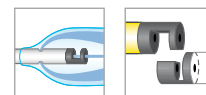
	REF.	DESCRIPTION	QTY
	547200	<b>Luer-lock adapter</b> <ul style="list-style-type: none"> <li>• plastic, blue</li> <li>• attachable</li> <li>• for Ch. 3-7</li> <li>• sterile, single use</li> <li>• <b>latex-free</b></li> </ul>	10
	547201	<b>Luer-lock adapter</b> <ul style="list-style-type: none"> <li>• plastic, white</li> <li>• attachable</li> <li>• for Ch. 7-12</li> <li>• sterile, single use</li> <li>• <b>latex-free</b></li> </ul>	10
	340702	<b>Luer-lock adapter</b> <ul style="list-style-type: none"> <li>• blue</li> <li>• clamped</li> <li>• for Ch. 3-6</li> <li>• sterile, single use</li> <li>• <b>latex-free</b></li> </ul>	10
	340703	<b>Luer-lock adapter</b> <ul style="list-style-type: none"> <li>• white</li> <li>• clamped</li> <li>• for Ch. 6-10</li> <li>• sterile, single use</li> <li>• <b>latex-free</b></li> </ul>	10
	526100	<b>Adapter</b> to connect ureteral catheters to urine bags <ul style="list-style-type: none"> <li>• plastic, red</li> <li>• for Ch. 6-18</li> <li>• sterile, single use</li> <li>• <b>latex-free</b></li> </ul>	10

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

# 7 URETERAL STENTS

## 7.1 SUPERGLIDE URETERAL STENTS

### ANTIREFLUX SUPERGLIDE DD VALVE



### ANTIREFLUX DD VALVE URETERAL STENT

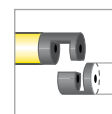
made of polyurethane with hydrogel coating, with DD coupling, anti-reflux valve and green marker at the vesical end

Fully directable with antireflux valve

- cm graduations
- completely radiopaque
- pigtail and drainage eyes as indicated in the table
- supplied as a preassembled unit
- sterile, single use
- **latex-free**

Tip configuration	Eye configuration	REF. ACCORDING TO LENGTH OF STRAIGHT PART				ORDER SIZE (Ch.)	QTY
		26 cm	28 cm				
<b>for simultaneous applications</b>							
cylindrical closed		335340	335341			4.8/6/7/8	5
<b>for coaxial applications</b>							
central opening		335440	335441			4.8/6/7/8	5

### SUPERGLIDE DD



### DD URETERAL STENT

made of polyurethane with hydrogel coating, with DD coupling and green marker at the vesical end

Fully directable

- cm graduations
- completely radiopaque
- pigtail and drainage eyes as indicated in the table
- supplied as a preassembled unit
- sterile, single use
- **latex-free**

Tip configuration	Eye configuration	REF. ACCORDING TO LENGTH OF STRAIGHT PART				ORDER SIZE (Ch.)	QTY
		22 cm	24 cm	26 cm	28 cm		
<b>for simultaneous applications</b>							
cylindrical closed		-	334846	334840	334841	4.8/6/7/8	5
		-	-	334940	334941		
<b>for coaxial applications</b>							
central opening		335142	335143	335140	335141	4.8/6/7/8	5

Maximum diameter of guidewire for antireflux SUPERGLIDE DD valve and SUPERGLIDE DD ureteral stents with central opening

REF. 335440 / 335441 REF. 335142 / 335143 / 335140 / 335141			
Ch. 4.8	Ch. 6	Ch. 7	Ch. 8
0.028"	0.028"	0.035"	0.035"

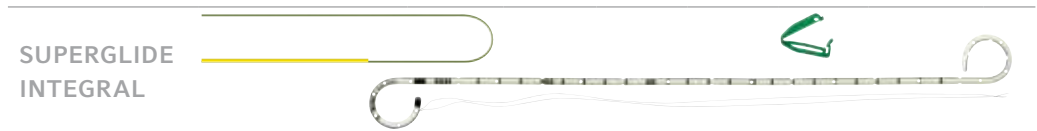
Set components:

- ureteral stent
- fixation clamp
- introducer made of polyurethane, yellow, approx. 45 cm long, with DD coupling
- flexible guidewire made of stainless steel with PTFE coating, and movable core: approx. 100 cm long in sets with cylindrical closed tip and approx. 150 cm long in sets with tip with central opening
- patient card
- documentation labels
- sterile packaging

**INTEGRAL URETERAL STENT**

made of polyurethane with hydrogel coating, with green marker and retraction thread at the vesical end

- cm graduations
- completely radiopaque
- pigtail and drainage eyes as indicated in the table
- sterile, single use
- **latex-free**



Tip configuration	Eye configuration	REF. ACCORDING TO LENGTH OF STRAIGHT PART					ORDER SIZE (Ch.)	QTY
		22 cm	24 cm	26 cm	28 cm	30 cm		
<b>for simultaneous applications</b>								
cylindrical closed		334246*	334250*	334247	334248	334249	4.8/6/7/8/9	5
<b>for coaxial applications</b>								
central opening		334742*	334743*	334740	334741	-	4.8/6/7/8/9	5
central opening without guidewire		-	334744	334745	334746	-	4.8/6/7/8	5

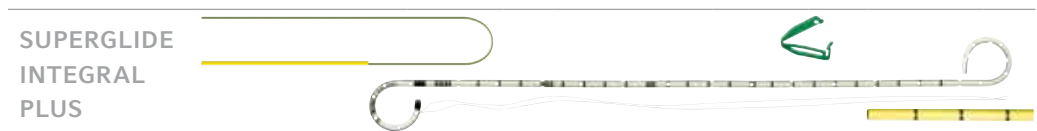
\* only in Ch. 4.8 / 6 / 7 / 8

**INTEGRAL URETERAL STENT**

made of polyurethane with hydrogel coating, with green marker and retraction thread at the vesical end

with SUPERGLIDE ureteral catheter, central opening, Ch. 5, max. I.D. 0.038"

- cm graduations
- completely radiopaque
- pigtail and drainage eyes as indicated in the table
- sterile, single use
- **latex-free**



Tip configuration	Eye configuration	REF. ACCORDING TO LENGTH OF STRAIGHT PART			ORDER SIZE (Ch.)	QTY
		24 cm	26 cm	28 cm		
<b>for coaxial applications</b>						
central opening		334751	334752	334753	4.8/6/7/8	5

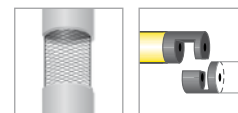
**Set components:**

- ureteral stent
- 2 fixation clamps
- introducer made of polyurethane, yellow, approx. 45 cm long
- flexible guidewire made of stainless steel with PTFE coating, fixed core, flexible safety tip and rigid tip: approx. 100 cm long in sets with cylindrical closed tip and approx. 150 cm long in sets with tip with central opening
- patient card
- documentation labels
- sterile packaging

**Maximum diameter of guidewire for SUPERGLIDE integral ureteral stents with central opening**

REF. 334742 / 334743 / 334740 / 334741 REF. 334744 / 334745 / 334746 REF. 334751 / 334752 / 334753				
Ch. 4.8	Ch. 6	Ch. 7	Ch. 8	Ch. 9
0.028"	0.035"	0.035"	0.038"	0.038"

**SUPERGLIDE  
DD TUMOUR**



Tip configuration	Eye configuration	REF. ACCORDING TO LENGTH OF STRAIGHT PART					ORDER SIZE (Ch.)		QTY
		20 cm	22 cm	24 cm	26 cm	28 cm			
<b>for simultaneous applications</b>									
cylindrical closed		-	-	335524*	335526	335528	6/7	2	
<b>for coaxial applications</b>									
central opening		335620*	335622*	335624*	335626	335628	6/7/8**	2	

Maximum diameter of guidewire for SUPERGLIDE DD tumour ureteral stents with central opening

REF. 335620 / 335622 / 335624 /  
REF. 335626 / 335628

Ch. 6	Ch. 7	Ch. 8
0.028"	0.035"	0.035"

Set components:

- ureteral stent
- fixation clamp
- introducer made of polyurethane, yellow, approx. 45 cm long, with DD coupling
- flexible guidewire made of stainless steel with PTFE coating and movable core: approx. 100 cm long in sets with cylindrical closed tip and approx. 150 cm long in sets with tip with central opening
- patient card
- documentation labels
- sterile packaging

**DD TUMOUR URETERAL STENT** made of polyurethane with hydrogel coating, with DD coupling and green marker at the vesical end

High resistance to collapse as straight section of stent is reinforced using special braided construction

Fully directable

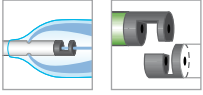
- cm graduations
- completely radiopaque
- pigtail and drainage eyes as indicated in the table
- supplied as a preassembled unit
- sterile, single use
- **latex-free**

\* only in Ch. 7

\*\* only Ref. 335626 / 335628

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

## 7.2 URETERAL STENTS

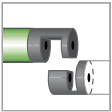


### ANTIREFLUX DD VALVE URETERAL STENT

made of polyurethane, with DD coupling and antireflux valve at the vesical end

Fully directable with antireflux valve

- cm graduations
- completely radiopaque
- pigtail and drainage eyes as indicated in the table
- supplied as a preassembled unit
- sterile, single use
- **latex-free**



### DD URETERAL STENT

made of polyurethane, with DD coupling at the vesical end

Fully directable

- cm graduations
- completely radiopaque
- pigtail and drainage eyes as indicated in the table
- supplied as a preassembled unit
- sterile, single use
- **latex-free**

Set components:

- ureteral stent
- fixation clamp
- introducer made of polyurethane, green, approx. 45 cm long, with DD coupling (approx. 90 cm long in sets for ureterorenoscopes)
- flexible guidewire made of stainless steel with PTFE coating and movable core: approx. 100 cm long in sets with cylindrical closed tip and approx. 150 cm long in sets with tip with central opening and for ureterorenoscopes
- patient card
- documentation labels
- sterile packaging

### ANTIREFLUX DD VALVE



Tip configuration	Eye configuration	REF. ACCORDING TO LENGTH OF STRAIGHT PART					ORDER SIZE (Ch.)	QTY
		22 cm	24 cm	26 cm	28 cm	30 cm		
<b>for simultaneous applications</b>								
cylindrical closed		335312*	335311	335300	335301	335302	4.8/6/7/8/9	5
<b>for coaxial applications</b>								
central opening		-	335411	335400	335401	-	4.8/6/7/8	5

\* packaging unit of Ref. 335312 in Ch. 4.8 contains 2 items

### DD



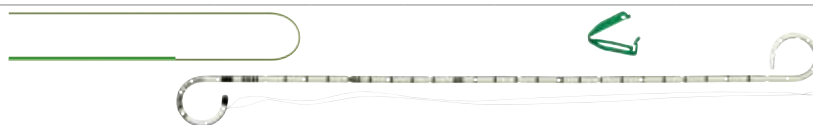
Tip configuration	Eye configuration	REF. ACCORDING TO LENGTH OF STRAIGHT PART					ORDER SIZE (Ch.)	QTY
		22 cm	24 cm	26 cm	28 cm	30 cm		
<b>for simultaneous applications</b>								
cylindrical closed		334812	334811	334800	334801	334802	4.8/6/7/8/9	5
		-	-	334900	334901	334902		
<b>for coaxial applications</b>								
central opening		335112	335111	335100	335101	335102	4.8/6/7/8/9	5
		-	-	-	335166	-		
<b>for ureterorenoscopes</b>								
cylindrical closed		-	-	335200	335201	-	4.8	5

Maximum diameter of guidewire for antireflux DD valve and DD ureteral stents with central opening

REF. 335411 / 335400 / 335401 REF. 335112 / 335111 / 335100 / 335101 / 335102 / 335166				
Ch. 4.8	Ch. 6	Ch. 7	Ch. 8	Ch. 9
0.028"	0.028"	0.035"	0.035"	0.035"



**INTEGRAL**



**INTEGRAL URETERAL STENT**

made of polyurethane, with retraction thread at the vesical end

- cm graduations
- completely radiopaque
- pigtail and drainage eyes as indicated in the table
- sterile, single use
- **latex-free**

Tip configuration	Eye configuration	REF. ACCORDING TO LENGTH OF STRAIGHT PART					ORDER SIZE (Ch.)	QTY
		22 cm	24 cm	26 cm	28 cm	30 cm		
<b>for simultaneous applications</b>								
cylindrical closed		334212	334211	334200	334201	334202	4.8/6/7/8/9	5
<b>for coaxial applications</b>								
central opening		334710	334711	334702	334703	334714	4.8/6/7/8/9	5
<b>for ureterorenoscopes</b>								
cylindrical closed		-	334213	334205	334206	-	4.8	5

Maximum diameter of guidewire for integral ureteral stents with central opening

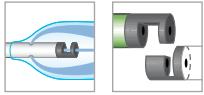
REF. 334710 / 334711 / 334702 / 334703 / 334714				
Ch. 4.8	Ch. 6	Ch. 7	Ch. 8	Ch. 9
0.028"	0.035"	0.035"	0.038"	0.038"

Set components:

- ureteral stent
- 2 fixation clamps
- introducer made of polyurethane, green, approx. 45 cm long (approx. 90 cm long in sets for ureterorenoscopes)
- flexible guidewire made of stainless steel with PTFE coating, fixed core, flexible safety tip and rigid tip: approx. 100 cm long in sets with cylindrical closed tip and approx. 150 cm long in sets with tip with central opening and for ureterorenoscopes
- patient card
- documentation labels
- sterile packaging

**WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE**

### 7.3 URETERAL STENTS FOR CHILDREN



#### ANTIREFLUX DD VALVE URETERAL STENT

made of polyurethane, with DD coupling and antireflux valve at the vesical end

Fully directable with antireflux valve

- cm graduations
- completely radiopaque
- pigtail and drainage eyes as indicated in the table
- supplied as a preassembled unit
- sterile, single use
- **latex-free**

#### ANTIREFLUX DD VALVE



Tip and Eye configuration	REF. ACCORDING TO LENGTH OF STRAIGHT PART						ORDER SIZE (Ch.)	QTY
	10 cm	12 cm	15 cm	18 cm	20 cm	22 cm		
<b>for simultaneous applications</b>								
cylindrical closed	335315	335309	335314	335310	335313	335312	4.8	2
<b>for coaxial applications</b>								
central opening	-	335413	335414	335415	335416	335417	4.8	2

Maximum diameter of guidewire for paediatric antireflux DD valve ureteral stents with central opening

REF. 335413 / 335414 / 335415  
REF. 335416 / 335417

**Ch. 4.8**

**0.028"**

Set components:

- ureteral stent
- fixation clamp
- introducer made of polyurethane, green, approx. 45 cm long, with DD coupling
- flexible guidewire made of stainless steel with PTFE coating and movable core: approx. 100 cm long in sets with cylindrical closed tip and

- approx. 150 cm long in sets with tip with central opening
- sets for coaxial application include an additional ureteral catheter with central opening in splint size (see table)
- patient card
- documentation labels
- sterile packaging



#### ANTIREFLUX VALVE URETERAL STENT

made of polyurethane, with antireflux valve at the vesical end

Antireflux valve

- cm graduations
- completely radiopaque
- pigtail and drainage eyes as indicated in the table
- sterile, single use
- **latex-free**

#### ANTIREFLUX VALVE



Tip and Eye configuration	REF. ACCORDING TO LENGTH OF STRAIGHT PART						ORDER SIZE (Ch.)	QTY
	10 cm	12 cm	15 cm	18 cm	20 cm	22 cm		
<b>for simultaneous applications</b>								
cylindrical closed	335316*	335303	335304	335305	335306	335307	3/4	2
<b>for coaxial applications</b>								
central opening	-	335403	335404	335405	335406	335407	3/4	2

Maximum diameter of guidewire for paediatric antireflux valve ureteral stents with central opening

REF. 335403 / 335404 / 335405  
REF. 335406 / 335407

**Ch. 3**

**Ch. 4**

**0.018"**

**0.028"**

Set components:

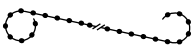
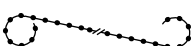
- ureteral stent
- 2 fixation clamps
- introducer made of polyurethane, green, approx. 45 cm long
- flexible guidewire made of stainless steel with PTFE coating, fixed core, flexible safety tip and rigid tip: approx. 100 cm long in sets with cylindrical

- closed tip and approx. 150 cm long in sets with tip with central opening
- sets for coaxial application include an additional ureteral catheter with central opening in splint size (see table)
- patient card
- documentation labels
- sterile packaging

\* only in Ch. 4

**INTEGRAL**



Tip and Eye configuration	REF. ACCORDING TO LENGTH OF STRAIGHT PART					ORDER SIZE (Ch.)	QTY
	12 cm	15 cm	18 cm	20 cm	22 cm		
<b>for simultaneous applications</b>							
cylindrical closed 	334207	334231	334245	334232	334263	3/4/4.8	5
<b>for coaxial applications</b>							
central opening 	334700	334704	334705	334760	334706	3/4/4.8	5

Maximum diameter of guidewire for paediatric integral ureteral stents with central opening

REF. 334700 / 334704 / 334705  
REF. 334760 / 334706

Ch. 3	Ch. 4	Ch. 4.8
0.018"	0.028"	0.028"

Set components:

- ureteral stent
- 2 fixation clamps
- introducer made of polyurethane, green, approx. 45 cm long
- flexible guidewire made of stainless steel with PTFE coating, fixed core, flexible

- safety tip and rigid tip:  
approx. 100 cm long in sets with cylindrical closed tip and approx. 150 cm long in sets with tip with central opening
- patient card
  - documentation labels
  - sterile packaging

**INTEGRAL URETERAL STENT**

made of polyurethane

- cm graduations
- completely radiopaque
- pigtail and drainage eyes as indicated in the table
- sterile, single use
- latex-free

**FOR CHILDREN ONLY THE BEST IS GOOD ENOUGH**

Children are more delicate and react more sensitively than adults. With years of experience in the development of small ureteral stents and a particularly careful manufacturing process, right down to the last detail, RÜSCH helps to reduce the stress on children who are subjected to the strains of renal pelvis drainage.

The relationship between inner and outer diameter has also been optimised for our stents of size Ch. 3, ensuring excellent drainage performance and the highest possible wearing comfort. And, of course, they can be easily and safely inserted and positioned.

Furthermore all paediatric antireflux valve and DD valve ureteral stent sets for coaxial applications are equipped with a ureteral catheter with a central opening in splint size.

**WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE**

## 7.4 SPECIAL URETERAL STENTS

### INTEGRAL URETERAL STENT made of polyurethane

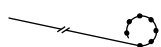
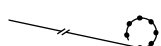
- cm graduations
- completely radiopaque
- with one pigtail and drainage eyes only along the pigtail
- sterile, single use
- **latex-free**

Set components:

- ureteral stent
- fixation clamp
- flexible guidewire made of stainless steel with PTFE coating, fixed core, flexible safety tip and rigid tip, 150 cm long
- patient card
- documentation labels
- sterile packaging

### INTEGRAL STENT WITH ONE PIGTAIL



Tip and Eye configuration	REF.	LENGTH straight part	ORDER SIZE (Ch.)	QTY
cylindrical closed 	334400	90 cm	4.8/6/7/8/9	6
central opening 	334479	90 cm	4.8/6/7/8/9/10	6

EACH SALES UNIT CONTAINS THREE STENTS WITH A GREEN MARKER AT THE PROXIMAL END AND THREE STENTS WITHOUT A MARKER. WHEN STENTS HAVE TO BE APPLIED TO BOTH SIDES, THE PHYSICIAN CAN PLACE ONE STENT WITH A MARKER AND ONE WITHOUT. THE CORRESPONDING DOCUMENTATION IN THE PATIENT CARD SHOWS CLEARLY WHICH STENT LEADS TO WHICH KIDNEY.

Maximum diameter of guidewire for integral ureteral stents with one pigtail and central opening

REF. 334479				
Ch. 4.8	Ch. 6	Ch. 7	Ch. 8	Ch. 9
0.028"	0.035"	0.035"	0.038"	0.038"

### INTEGRAL URETERAL STENT FOR OPEN SURGICAL PROCEDURES made of polyurethane

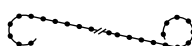
- cm graduations
- completely radiopaque
- with two cylindrical closed pig-tails, drainage eyes as indicated in the table
- sterile, single use
- **latex-free**

Set components:

- ureteral stent
- reinforced guidewire made of stainless steel with PTFE coating, 100 cm long
- patient card
- documentation labels
- sterile packaging

### INTEGRAL STENT WITH CLOSED TIPS ON BOTH SIDES



Tip and Eye configuration	REF.	LENGTH straight part	ORDER SIZE (Ch.)	QTY
cylindrical closed on both sides 	334208	24 cm	4.8/6/7	5
	334209	26 cm	4.8/6/7/8/9	
	334210	28 cm	4.8/6/7/8/9	

## 7.5 ECO URETERAL STENT SET







ECO

### ECO URETERAL STENT SET

made of polyurethane

- sterile, single use
- **latex-free**

Tip configuration	Eye configuration	REF.	LENGTH straight part	SIZE (Ch.)	QTY
 <p>central opening</p>		310000-026048	26 cm	4.8	10
		310000-026060		6	
		310000-026070		7	
		310000-026080		8	
		310000-028048	28 cm	4.8	10
		310000-028060		6	
		310000-028070		7	
		310000-028080		8	
		310000-030048	30 cm	4.8	10
310000-030060	6				
310000-030070	7				
310000-030080	8				
 <p>cylindrical closed</p>		310001-026048	26 cm	4.8	10
		310001-026060		6	
		310001-026070		7	
		310001-026080		8	
		310001-028048	28 cm	4.8	10
		310001-028060		6	
		310001-028070		7	
		310001-028080		8	
		310001-030048	30 cm	4.8	10
310001-030060	6				
310001-030070	7				
310001-030080	8				

Set components:

- ureteral stent
- **without** guidewire
- introducer approx. 45 cm
- sterile packaging

Set components:

- ureteral stent
- **with** guidewire
- introducer approx. 45 cm
- sterile packaging


Maximum diameter of guidewire for ECO  
integral ureteral stents with central opening


REF. 310000			
Ch. 4.8	Ch. 6	Ch. 7	Ch. 8
0.028"	0.035"	0.038"	0.038"
0.71 mm	0.89 mm	0.96 mm	0.96 mm

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE



# 8 NEPHROSTOMY

## 8.1 PUNCTURE SETS

<b>SUPERGLIDE PUNCTURE SETS PCN 2-STEP</b>	REF. 340012					
	ORDER SIZE	PUNCTURE CANNULA		GUIDEWIRE O.D.	CATHETER EXTENDER I.D.	QTY
		O.D.	LENGTH			
	Ch. 6	19.5 G / 0.95 mm	120 mm	0.028"	0.75 mm / 0.029"	1
	Ch. 8	17.5 G / 1.30 mm	200 mm	0.038"	1.00 mm / 0.039"	
	Ch. 10	17.5 G / 1.30 mm	200 mm	0.038"	1.00 mm / 0.039"	
	<b>Set components:</b> <ul style="list-style-type: none"> <li>• 2-part puncture cannula with ultrasound marking at the tip (3 marking rings)</li> <li>• uncoated stiff guidewire with flexible J-curved tip in dispenser, with introducer, 800 mm long</li> <li>• catheter extender made of metal, 325 mm long, with plastic stylet</li> <li>• pigtail catheter made of polyurethane, radiopaque, approx. 30 cm long, central opening, hydrogel coating, 6 drainage eyes, notches for retaining suture on the shaft, with Luer-lock connector</li> <li>• LL stopcock</li> <li>• adapter for urine collection bag (LL-funnel combination)</li> <li>• 3 peel labels for documentation</li> <li>• sterile, single use</li> <li>• <b>latex-free</b></li> </ul>					

<b>PUNCTURE SETS PCN 3-STEP</b>	REF. 340013						
	ORDER SIZE	PUNCTURE CANNULA		GUIDEWIRE O.D.	DILATOR/SPLIT SHEATH		QTY
		O.D.	LENGTH		LENGTH	DILATOR O.D.	
	Ch. 6	19.5 G / 0.95 mm	120 mm	0.028"	175 / 162.4 mm	Ch. 10	1
	Ch. 8	17.5 G / 1.30 mm	200 mm	0.038"	175 / 160.1 mm	Ch. 12	
	Ch. 10	17.5 G / 1.30 mm	200 mm	0.038"	175 / 157.8 mm	Ch. 14	
	<b>Set components:</b> <ul style="list-style-type: none"> <li>• 2-part puncture cannula with ultrasound marking at the tip (3 marking rings)</li> <li>• uncoated stiff guidewire with flexible J-curved tip in dispenser, with introducer, 800 mm long</li> <li>• 2-part dilator, central opening, approx. 175 mm long, with split sheath, radiopaque</li> <li>• pigtail catheter made of polyurethane, radiopaque, approx. 30 cm long, central opening, 6 drainage eyes, notches for retaining suture on the shaft, with vertically slitted pigtail extender and Luer-lock connector</li> <li>• LL stopcock</li> <li>• adapter for urine collection bag (LL-funnel combination)</li> <li>• 3 peel labels for documentation</li> <li>• sterile, single use</li> <li>• <b>latex-free</b></li> </ul>						

## 8.2 EXCHANGE SETS







SUPERGLIDE PCN EXCHANGE SETS		REF. 340014		
ORDER SIZE	GUIDEWIRE O.D.	CATHETER EXTENDER I.D.	QTY	
 <p>Ch. 6 Ch. 8 Ch. 10</p>	0.028" 0.038" 0.038"	0.75 mm / 0.029" 1.00 mm / 0.039" 1.00 mm / 0.039"	1	
<p><b>Set components:</b></p> <ul style="list-style-type: none"> <li>• PTFE-coated stiff guidewire with flexible J-curved tip in dispenser, with introducer, 800 mm long</li> <li>• catheter extender made of metal, 325 mm long, with plastic stylet</li> <li>• pigtail catheter made of polyurethane, radiopaque, approx. 30 cm long, central opening, hydrogel coating, 6 drainage eyes, notches for retaining suture on the shaft, with Luer-lock connector</li> <li>• LL stopcock</li> <li>• adapter for urine collection bag (LL-funnel combination)</li> <li>• 3 peel labels for documentation</li> <li>• sterile, single use</li> <li>• <b>latex-free</b></li> </ul>				
REF.	DESCRIPTION		QTY	
	546476	<b>Adapter for urine collection bag</b>	10	
<p>The adapter (LL-funnel combination) is compatible with all commercially available urine collection bags.</p>				

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

### 8.3 MIPP-SET

For minimally invasive percutaneous interventions

- Activate the hydrogel coating by dipping it into sterile, physiological saline solution or distilled water.
- Introduce the dilator in Ch./Fr. 9 over the guidewire in situ. Check correct position using radioscopy.
- Push the dilator Ch./Fr. 14 over the dilator Ch./Fr. 9 already in situ and advance until the correct position is reached.
- Apply renax tube over the instrument in situ.
- Remove both dilators – in Ch./Fr. 9 and 14 – one by one while holding guidewire and renax tube in position.
- sterile, single use
- latex-free

MIPP-SET	REF. 341200-000140			QTY 1
	SIZE O.D.	LENGTH	MAX.	
			I.D.	O.D.
	<b>Puncture cannula</b> , 2-part, with ultrasound marking at the tip (3 marking rings)			
–	200 mm	0.038"	17.5 G	
	<b>Stiff guidewire in dispenser</b> , with introducer and flexible J-curved tip			
0.038"	1000 mm	–	–	
	<b>SUPERGLIDE dilator</b> , cm graduated, radiopaque, hydrogel coated over 30 cm			
Ch./Fr. 9	540 mm	0.038"	–	
	<b>SUPERGLIDE dilator</b> , cm graduated, with central opening for a dilator Ch./Fr. 9, radiopaque, hydrogel coated over 25 cm			
Ch./Fr. 14	320 mm	–	–	
	<b>SUPERGLIDE renax tube</b> , radiopaque, hydrogel coated over 50 mm			
–	160 mm	Ch./Fr. 14	–	
	<b>SUPERGLIDE nephrostomy balloon catheter made of silicone</b> , with radiopaque tip and central opening, hydrogel coated over 50 mm, with hollow stylet, balloon capacity 3 ml*			
Ch./Fr. 12	410 mm	0.038"	–	

\* With balloon catheters fill the balloon with sterile water until the catheter is fixated in the renal pelvis. To fill the balloon use a Luer or Luer-lock syringe. The fill volume is indicated on the catheter funnel or the packaging label

#### FOR MINIMALLY INVASIVE PERCUTANEOUS INTERVENTIONS

Mininephroscopes are being used more and more often for diagnostics and therapy, for example to remove remaining stone fragments from the calyces.

RÜSCH's MIPP set fits in perfectly with this patient-friendly trend. It contains all the necessary instruments for minimally invasive percutaneous interventions – from the puncture cannula, guidewire and dilators to the nephrostomy balloon catheter.






The hydrogel coating of the dilators, the renax tube and the catheter further facilitate handling.



## 8.4 PUNCTURE CANNULAS

### PUNCTURE CANNULAS



	REF.	O.D.	MAX I.D.	LENGTH	QTY
	340002-120175	<b>3-part</b> , with markings at the tip (3 rings) for ultrasound reflexes			
		17.5 G	0.038"	120 mm	5
	340002-200230	<b>Fine, 2-part</b> , to match Ref. 340002-120175			
		23 G	–	200 mm	5
	340003-200175	<b>3-part</b> , with markings at the tip (3 rings) for ultrasound reflexes			
		17.5 G	0.038"	200 mm	5
	340003-280230	<b>Fine, 2-part</b> , to match Ref. 340003-200175			
		23 G	–	280 mm	5
	340057-000000	<b>2-part</b> , for 2-step procedure			
		17.5 G	0.038"	200 mm	2

### PUNCTURE CANNULAS

#### Safe handling

- ultrasound marking at the tip (3 marking rings)
- 2-part or 3-part
- for 2-step or 3-step procedures
- sterile, single use
- **latex-free**

## 8.5 ENDOGUIDE


### ENDOGUIDE

Atraumatic and precise handling

- smooth transition from the stiff wire to the flexible tip
- PTFE coating
- rigid proximal end
- distal tip, straight or as J-curve
- in dispenser, with introducer
- sterile, single use
- **latex-free**

### ENDOGUIDE STIFF, PTFE



	REF.	LENGTH	O.D.	QTY
	<b>ENDOGUIDE stiff, straight tip</b>			
	680141-000028 680141-000035 680141-000038	800 mm	0.028" 0.035" 0.038"	5
	680143-000028 680143-000035 680143-000038	1000 mm	0.028" 0.035" 0.038"	5
	680145-000028 680145-000035 680145-000038	1200 mm	0.028" 0.035" 0.038"	5
	<b>ENDOGUIDE stiff, curved tip</b>			
	680151-000028 680151-000035 680151-000038	800 mm	0.028" 0.035" 0.038"	5
	680153-000028 680153-000035 680153-000038	1000 mm	0.028" 0.035" 0.038"	5
	680155-000028 680155-000035 680155-000038	1200 mm	0.028" 0.035" 0.038"	5

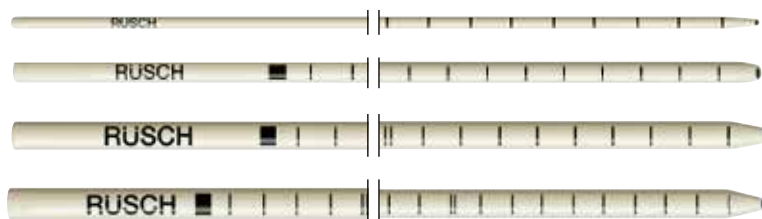


WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

## 8.6 DILATORS / RENAX TUBES / CATHETERS FOR PERCUTANEOUS NEPHROSTOMY

### DILATOR SET FOR PCN

Polyurethane



REF.	ORDER SIZE (O.D.) CH.	LENGTH	MAX. I.D. TIP	QTY
<b>Dilator set</b>				
340200	9 12/15/17/19/21/23/25/27/29	540 mm 360 mm	1.05 mm / 0.041" 3.1 mm	1
<b>Dilators, individually packaged</b>				
340201	9 12/15/17/19/21/23/25/27/29	540 mm 360 mm	1.05 mm / 0.041" 3.1 mm	10

### DILATOR SET FOR PCN

Easy handling, safe application

- dilators made of polyurethane
- for percutaneous nephrostomy, for the application of renal fistula catheters
- dilators Ch./Fr. 12-29, with 3.1 mm bore, approx. 360 mm long
- dilator Ch./Fr. 9, with 1.05 mm (0.041") bore, approx. 540 mm long
- dilators with 3.1 mm bore are applied over the Ch./Fr. 9 dilator
- conical tips
- cm graduated
- radiopaque
- sterile, single use
- **latex-free**

### FASCIAL DILATOR SET FOR PCN

Polyurethane



REF.	ORDER SIZE (O.D.) CH.	LENGTH	MAX. I.D. TIP	QTY
<b>Fascial dilator set</b>				
340900	6-28*	320 mm	1.05 mm / 0.041"	1
<b>Fascial dilators, individually packaged</b>				
340901	6-36*	320 mm	1.05 mm / 0,041"	5

### FASCIAL DILATORS

made of polyurethane

- white (Ch./Fr. 14 = grey)
- conical tips
- cm graduated
- radiopaque
- sterile, single use
- **latex-free**

\* even sizes only

### RENAX TUBES

PVC



REF.	ORDER SIZE (I.D.) CH.	LENGTH	QTY
<b>Renax tubes</b>			
341100	20-36*	160 mm	5

### RENAX TUBES

made of PVC

- used as flexible nephroscope sheaths
- oblique tip (60°)
- sterile, single use
- **latex-free**

\* even sizes only

**SUPERGLIDE BALLOON CATHETERS FOR NEPHROSTOMY**  
made of silicone, with hollow metal stylet

- tip with central opening, application over a guidewire of up to 0.038"
- hydrogel coating on first 5 cm drainage opening in front of and behind the balloon
- valve for Luer and Luer-lock syringe tips
- cylindrical radiopaque tip
- cm graduated
- sterile, single use
- **latex-free**

**SUPERGLIDE BALLOON CATHETERS**

Silicone



REF.	ORDER SIZE	BALLOON	LENGTH	QTY
<b>SUPERGLIDE nephrostomy balloon catheter, with hollow metal stylet</b>				
340408	Ch. 12-14	3 ml	240 mm	5
340408	Ch. 16-24	5 ml	240 mm	
340409	Ch. 12-14	3 ml	410 mm	
340409	Ch. 16-24	5 ml	410 mm	



**BALLOON CATHETERS FOR NEPHROSTOMY**

made of silicone, with the option of a connector that is deconnectable

- tip with central opening, radiopaque
- 2 drainage openings in front of and 2 behind the balloon
- valve for Luer and Luer-lock syringe tips
- transparent
- cm graduated
- Ref. 340502: exchange catheter for Ref. 340500
- sterile, single use
- **latex-free**

**BALLOON CATHETERS**

Silicone



REF.	ORDER SIZE	BALLOON	LENGTH	QTY
340500	<b>with deconnectable funnel</b>			
	Ch. 12-14	3 ml	450 mm	5
	Ch. 16-24	5 ml		
340502	<b>with funnel which cannot be disconnected</b>			
	Ch. 12-14	3 ml	450 mm	5
	Ch. 16-24	5 ml		



**RENAL FISTULA CATHETER**  
made of silicone

- tip with central opening
- transparent
- cm graduated
- sterile, single use
- **latex-free**

**RENAL FISTULA CATHETER**

Silicone

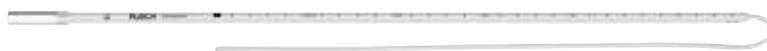


REF.	ORDER SIZE	LENGTH	EYES	QTY
179800	Ch. 10-24	400 mm	1	5



WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

**CATHETER WITH URETER STENT**



Silicone

REF.	SIZE	LENGTH	I.D. STENT	EYES	QTY
179000-120040	Ch. 12x4	400 mm	0.6 mm / 0.023"	2	5
179000-140050	Ch. 14x5		0.8 mm / 0.031"		
179000-160060	Ch. 16x6		0.8 mm / 0.031"		
179000-160080	Ch. 16x8		1.3 mm / 0.050"		
179000-180080	Ch. 18x8		1.3 mm / 0.050"		
179000-200080	Ch. 20x8		1.3 mm / 0.050"		
179000-220080	Ch. 22x8		1.3 mm / 0.050"		

**NEPHROSTOMY CATHETER WITH URETER STENT**

made of silicone

- ureter stent (Ch./Fr. 4/5/6/8) approx. 35 cm long
- stent with central opening
- transparent
- catheter cm graduated
- sterile, single use
- **latex-free**

**BALLOON CATHETER WITH URETER STENT**



Silicone

REF.	SIZE	BALLOON	LENGTH	I.D. STENT	EYES	QTY
179005-120040	Ch. 12x4	3 ml	410 mm	0.6 mm / 0.023"	2	1
179005-140050	Ch. 14x5	3 ml		0.8 mm / 0.031"		
179005-160060	Ch. 16x6	5 ml		0.8 mm / 0.031"		
179005-160080	Ch. 16x8	5 ml		1.3 mm / 0.050"		
179005-180080	Ch. 18x8	5 ml		1.3 mm / 0.050"		
179005-200080	Ch. 20x8	5 ml		1.3 mm / 0.050"		
179005-220080	Ch. 22x8	5 ml		1.3 mm / 0.050"		
179005-240080	Ch. 24x8	5 ml		1.3 mm / 0.050"		

**NEPHROSTOMY BALLOON CATHETER WITH URETER STENT**

made of silicone

- ureter stent (Ch./Fr. 4/5/6/8) approx. 35 cm long
- stent with central opening
- valve for Luer and Luer-lock syringe tips
- transparent
- balloon catheter cm graduated
- radiopaque catheter tip
- sterile, single use
- **latex-free**

**CATHETER WITH DECONNECTABLE FUNNEL**



Polyurethane

REF.	ORDER SIZE	LENGTH	I.D. CATHETER	EYES	QTY
340300	Ch. 12	470 mm	1.0 mm / 0.039"	2	5
	Ch. 14		1.0 mm / 0.039"		
	Ch. 16		1.2 mm / 0.047"		
	Ch. 18		1.2 mm / 0.047"		
	Ch. 20		1.4 mm / 0.055"		
	Ch. 22		1.4 mm / 0.055"		
	Ch. 24		1.4 mm / 0.055"		
Ch. 26	1.4 mm / 0.055"				

**CATHETER WITH DECONNECTABLE FUNNEL**

made of polyurethane

- tip with central opening, radiopaque
- contrast stripe along its entire length
- transparent
- cm graduated
- sterile, single use
- **latex-free**

\* This product contains natural rubber latex which may cause allergic reactions.

**NEPHROSTOMY CATHETER**  
made of soft rubber

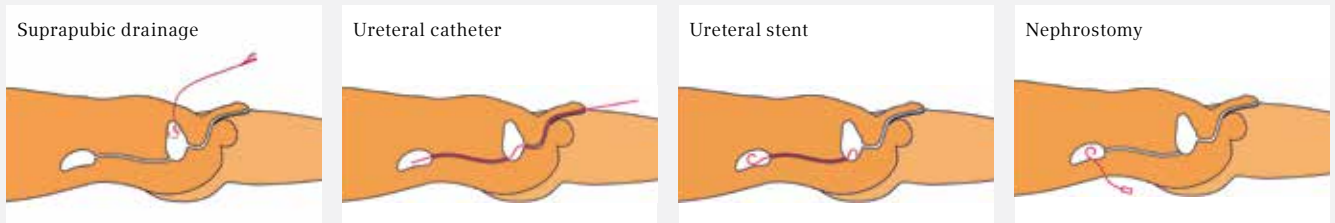
- red
- tip with central opening
- funnel-shaped proximal end
- 1 eye
- contains latex
- sterile

**NEPHROSTOMY CATHETER**  
Soft rubber



REF.	ORDER SIZE	LENGTH	I.D. CATHETER	EYES	QTY
404300*	Ch. 6	400 mm	0.9 mm / 0.035"	1	10
	Ch. 8		1.4 mm / 0.055"		
	Ch. 10		1.8 mm / 0.071"		
	Ch. 12		2.0 mm / 0.078"		
	Ch. 14		2.2 mm / 0.086"		
	Ch. 16		2.6 mm / 0.102"		
	Ch. 18		2.8 mm / 0.110"		
	Ch. 20		3.2 mm / 0.125"		
	Ch. 22		3.4 mm / 0.133"		
	Ch. 24		4.0 mm / 0.157"		
	Ch. 26		4.6 mm / 0.181"		

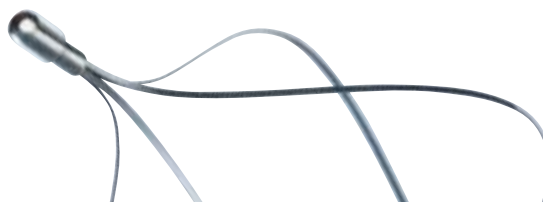
**INSERTION – SAFE, COMFORTABLE, ECONOMIC**



# 9 STONE EXTRACTORS

## 9.1 FLAT WIRE BASKETS

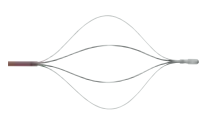

RÜSCH-STONEX®  
4F

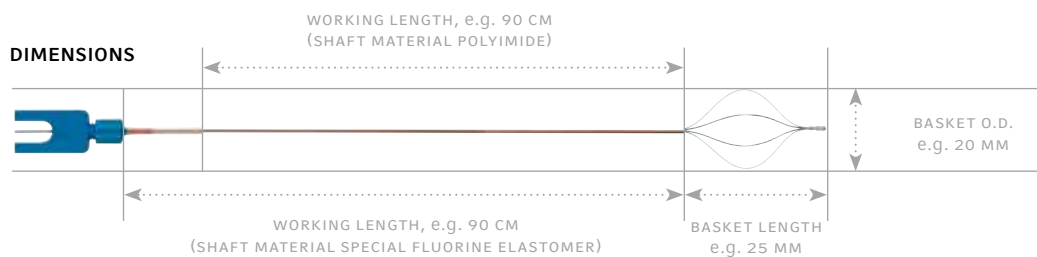


### RÜSCH-STONEX FLAT WIRE BASKETS

with symmetrical external form, for precise manipulation of the stone under even the most difficult conditions.

- atraumatic tips
- form-stable flat wire basket made from stainless steel, symmetrical external form
- single-handed handgrip
- clip-on retainer
- radiopaque
- packed in blister
- shaft material: polyimide or special fluorine elastomer
- shaft: use once
- sterile
- latex-free

	REF. (QTY 1)					REF. (QTY 5)	
	for tip	ORDER SIZE Ø	WORKING LENGTH	BASKET O.D.	BASKET LENGTH	SPARE SHAFT	ORDER SIZE
<b>RÜSCH-STONEX® 4F with 4 flat wires and cylindrical tip</b>							
	342700	Ch. 2.5	90 cm	15 mm	20 mm	343030	Ch. 2.5
	342900	Ch. 2.5	115 cm	15 mm	20 mm		
	342700	Ch. 3	90 cm	20 mm	25 mm	343030	Ch. 3
	342900	Ch. 3	115 cm	20 mm	25 mm		
	342700	Ch. 4	90 cm	20 mm	25 mm	341730	Ch. 4
<b>RÜSCH-STONEX® 4F with 4 flat wires and filiform tip made of polyurethane</b>							
	342800	Ch. 4	90 cm	20 mm	25 mm	341730	Ch. 4



WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

## 9.2 ROUND WIRE BASKETS

### RÜSCH-STONEX ROUND WIRE BASKETS

offer a wide selection of variants – suitable for every size and shape of stone.

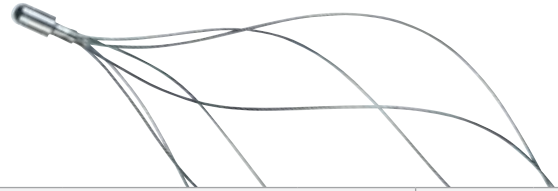
- atraumatic tips
- form-stable round wire basket made from stainless steel, helical external form
- single-handed handgrip
- clip-on retainer
- shaft with cm graduations with 65 cm working length
- radiopaque
- packed in blister
- shaft material: polyimide or special fluorine elastomer
- shaft: use once
- sterile
- latex-free

### RÜSCH-STONEX®

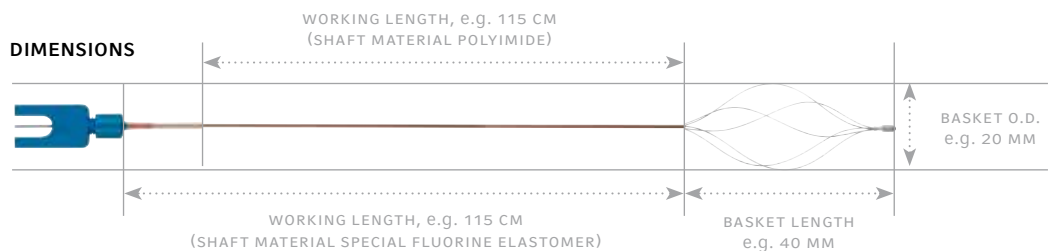
4R

5R

6R



	REF. (QTY 1)					REF. (QTY 5)	
	for tip	ORDER SIZE Ø	WORKING LENGTH	BASKET O.D.	BASKET LENGTH	SPARE SHAFT	ORDER SIZE
<b>RÜSCH-STONEX® 4R with 4 round wires and cylindrical tip</b>							
	341450	Ch. 2.5	90 cm	12 mm	20 mm	343030	Ch. 2.5
	341400	Ch. 2.5	115 cm	12 mm	20 mm		
	341500	Ch. 3	65 cm	20 mm	40 mm	341700	Ch. 3
	341450	Ch. 3	90 cm	20 mm	40 mm	341730	Ch. 3
	341400	Ch. 3	115 cm	20 mm	40 mm	341760	Ch. 3
	341500	Ch. 4	65 cm	20 mm	40 mm	341700	Ch. 4
	341500	Ch. 5	65 cm	20 mm	40 mm	341700	Ch. 5
<b>RÜSCH-STONEX® 4R with 4 round wires and filiform tip made of polyurethane</b>							
	341600	Ch. 4 Ch. 5	65 cm	20 mm	40 mm	341700	Ch. 4 Ch. 5
<b>RÜSCH-STONEX® 5R with 5 round wires and cylindrical tip</b>							
	341401	Ch. 3	115 cm			341760	Ch. 3
	341501	Ch. 4	65 cm	20 mm	40 mm	341700	Ch. 4
	341501	Ch. 5	65 cm			341700	Ch. 5
<b>RÜSCH-STONEX® 5R with 5 round wires and filiform tip made of polyurethane</b>							
	341601	Ch. 4 Ch. 5	65 cm	20 mm	40 mm	341700	Ch. 4 Ch. 5
<b>RÜSCH-STONEX® 6R with 6 round wires and cylindrical tip</b>							
	341402	Ch. 3	115 cm			341760	Ch. 3
	341502	Ch. 4	65 cm	20 mm	40 mm	341700	Ch. 4
	341502	Ch. 5	65 cm			341700	Ch. 5
<b>RÜSCH-STONEX® 6R with 6 round wires and filiform tip made of polyurethane</b>							
	341602	Ch. 4 Ch. 5	65 cm	20 mm	40 mm	341700	Ch. 4 Ch. 5








# 10 MEASURING CATHETERS FOR URODYNAMICS

## 10.1 CATHETERS FOR CYSTOMETROGRAPHY / COMBINED URETHROCYSTOMETROGRAPHY

ZYS 200 / 210  
Polyurethane

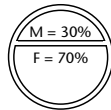


	REF.	SIZE	LENGTH	EYES	QTY
	<b>ZYS 200, cylindrical</b>				
	395751-072000	Ch. 7	20 cm	3	10
	395751-074000	Ch. 7	40 cm		
	395751-092000	Ch. 9	20 cm		
395751-094000	Ch. 9	40 cm			
	<b>ZYS 210, Tiemann</b>				
	395751-072010	Ch. 7	20 cm	3	10
	395751-074010	Ch. 7	40 cm		
	395751-092010	Ch. 9	20 cm		
	395751-094010	Ch. 9	40 cm		

**MEASURING CATHETER**  
made of polyurethane, for cystometrography, two-way

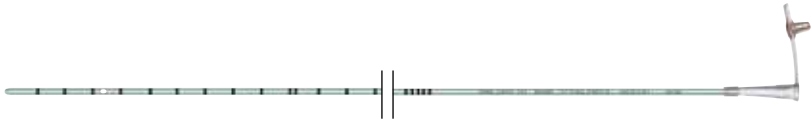
- lumen is closed off between measuring eye and tip
- correct connection to the measuring instrument is ensured by means of colour coded attachments\*
- flow rate of filling channel: up to 100 ml/min.
- small diameter of catheters reduces strain on the urethra
- thin-walled, dimensionally stable material
- easy disposal
- sterile, single use
- **latex-free**


■ F = filling lumen eye  
■ M = measuring eye



\* blue = filling channel (F), red = measuring channel (M)

**MEASURING CATHETER**  
PVC

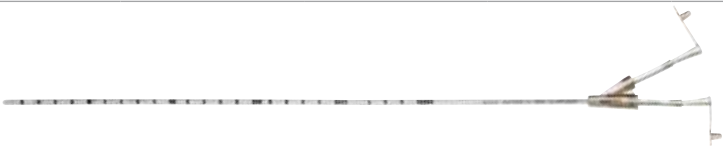



	REF.	ORDER SIZE	LENGTH	EYES	QTY
 cylindrical	395766	Ch. 8	39 cm	2	10

**MEASURING CATHETER**  
for measuring urethral profile pressure, made of PVC, single lumen

- universal adapter with sealing cap
- cm graduation
- sterile, single use
- **latex-free**

**MEASURING CATHETER**  
PVC



	REF.	ORDER SIZE	LENGTH	EYES	QTY
 cylindrical	395767	Ch. 8/10/12	43 cm	2	10

**MEASURING CATHETER**  
for bladder filling and pressure measurement, made of PVC, double lumen

- universal adapters with sealing caps
- cm graduation
- sterile, single use
- **latex-free**

WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE

**MEASURING CATHETER**

for combined urethrocytometry, made of polyurethane, three-way

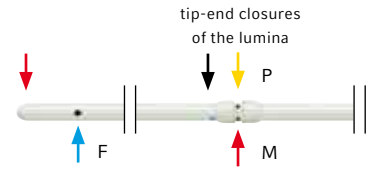
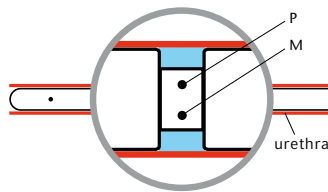
- measurement of intravesical pressure and urethra profile pressure is carried out with the same catheter via separate channels
- respective lumen is closed off between the perfusion / measuring eye and the tip
- flow rate of filling channel: up to 100 ml/min. A maximum value of 9 ml/min. has been determined for the perfusion and measuring channel (related to the 9 Ch. catheter)
- correct connection to the measuring instrument is ensured by means of colour coded attachments\*
- Perfusion and measuring eye are situated in a cavity at the connection of the shaft. Thus a closed space between catheter and urethra is created in which a constant pressure is built up, enabling exact pressure measurement
- easy disposal
- sterile, single use
- **latex-free**

**ZYS 302 / 312**

Polyurethane



	REF.	SIZE	LENGTH	EYES	QTY
<b>ZYS 302, cylindrical</b>					
	395752-072002	Ch. 7	20 cm	3	5
	395752-074002	Ch. 7	40 cm		
	395752-092002	Ch. 9	20 cm		
	395752-094002	Ch. 9	40 cm		
<b>ZYS 312, Tiemann</b>					
	395752-072012	Ch. 7	20 cm	3	5
	395752-074012	Ch. 7	40 cm		
	395752-092012	Ch. 9	20 cm		
	395752-094012	Ch. 9	40 cm		



- F = filling lumen eye
- M = measuring eye
- P = perfusion eye

\* blue = filling channel (F), red = measuring channel (M), yellow = perfusion channel (P)

## 10.2 RECTAL BALLOON CATHETERS

ZYS 502  
PVC



**RECTAL BALLOON CATHETER**  
made of PVC, double lumen

- shaft perforated within the balloon
- with clamp
- sterile, single use
- **latex-free**

	REF.	SIZE	LENGTH	QTY
	<b>central opening</b>			
	395753-182702	Ch. 18	27 cm	5

ZYS 520  
PVC



**RECTAL BALLOON CATHETER**  
for children, made of PVC,  
single lumen

- shaft perforated within the balloon
- sterile, single use
- **latex-free**

	REF.	SIZE	LENGTH	QTY
	<b>central opening</b>			
	395753-101020	Ch. 10	100 cm	5

**RECTAL BALLOON CATHETER**  
PVC / Latex



**RECTAL BALLOON CATHETER**  
made of PVC with latex balloon,  
single lumen

- shaft with 1 eye inside the latex balloon
- universal adapter with sealing cap
- sterile, single use

	REF.	ORDER SIZE	LENGTH	EYES	QTY
	<b>central opening</b>				
	395763*	Ch. 14	42 cm	1	10

\* This product contains natural rubber latex which may cause allergic reactions.

# 11 SPECIAL PRODUCTS

## 11.1 BOUGIES

### DÉLÉFOSSE CATHETER SET

consisting of:

**Catheter made of PVC, red**

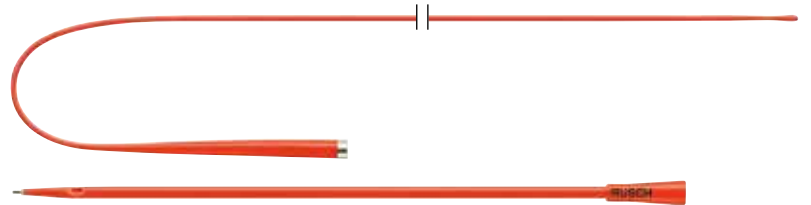
- male metric thread
- 1 eye
- sterile
- latex-free






**Guide bougie (filiform bougie) made of PVC, red**

- female metric thread
- olive tip
- sterile
- latex-free

### DÉLÉFOSSE CATHETER SET

PVC



REF.	CATHETER		GUIDE BOUGIE		QTY	
	SIZE	LENGTH	SIZE	LENGTH		
<b>Déléfosse catheter set</b>						
	252600-000120	Ch. 12	approx. 37 cm	Ch. 1	approx. 33 cm	2
	252600-000140	Ch. 14		Ch. 2		
	252600-000160	Ch. 16		Ch. 2		
	252600-000180	Ch. 18		Ch. 3		
	252600-000200	Ch. 20		Ch. 3		

### FILIFORM BOUGIE

made of PVC, red

- female metric thread
- olive tip
- compatible with Ref. 252600
- latex-free

### FILIFORM BOUGIE

PVC





REF.	ORDER SIZE	LENGTH	QTY	
<b>Guide bougie, olive tip</b>				
	277100	Ch. 1-6	approx. 33 cm	2
				

**BOUGIE**  
PVC



**BOUGIE**  
made of PVC, red, solid

- olive tip
- latex-free

	REF.	ORDER SIZE	LENGTH	QTY
<b>Bougie, olive tip</b>				
 	270300	Ch. 7-24	approx. 37 cm	2



## 11.2 HYDRAULIC URETHRAL DILATORS

### HYDRAULIC URETHRAL DILATOR SET

for the treatment of urethral strictures and for the postoperative dilation of the urethra after an internal urethrotomy.

- 2-way dilator made of polyurethane
- white, radiopaque
- with special armoured balloon made of latex, balloon filling pressure 5 bar
- hollow stylet and non-return valve with Luer-lock syringe tip
- 2-way stopcock
- extension tube made of PVC, transparent, Luer-lock adapters (male and female), approx. 50 cm long
- enclosed single use syringe
- sterile, single use



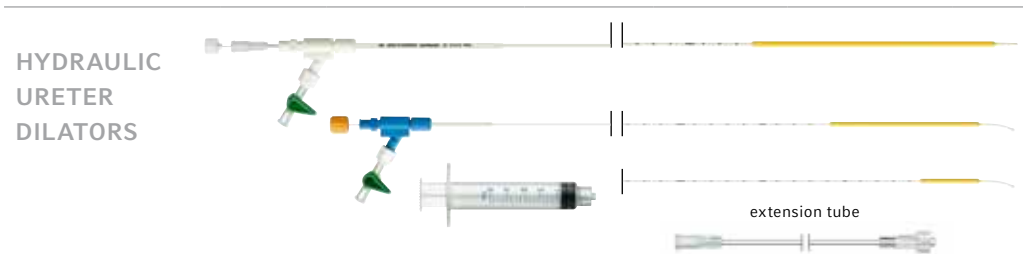
Tip configuration	REF.	MATERIAL	ORDER SIZE	LENGTH	BALLOON	QTY
 conical with central opening for coaxial application	342100*	polyurethane latex balloon	Ch. 14:28	approx. 40 cm	8.0 ml 15 cm long	1
	342101*	polyurethane latex balloon	Ch. 12:22	approx. 40 cm	5.0 ml 15 cm long	1
	342102*	polyurethane latex balloon	Ch. 14:28	approx. 50 cm	13.0 ml 20 cm long	1
 Tiemann pattern, 1 eye	342200*	polyurethane latex balloon	Ch. 14:28	approx. 40 cm	8.0 ml 15 cm long	1
	342201*	polyurethane latex balloon	Ch. 12:22	approx. 40 cm	5.0 ml 15 cm long	1
	342202*	polyurethane latex balloon	Ch. 14:28	approx. 50 cm	13.0 ml 20 cm long	1

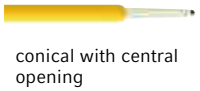

Maximum diameter of guidewire for coaxial urethral dilators

REF. 342100 / 342101 / 342102	
0.035"	0.89 mm

\* These products contain natural rubber latex which may cause allergic reactions.

### 11.3 HYDRAULIC URETER DILATORS



Tip configuration	REF.	MATERIAL	ORDER SIZE	LENGTH	BALLOON	QTY
 conical with central opening	342002*	<b>DOUBLE LUMEN</b> Hydraulic ureter dilator set, for coaxial applications, hollow inner stylet and two-way stopcock with Luer-lock adapter, enclosed extension tube made of transparent PVC, with Luer-lock adapters (male and female), approx. 50 cm long				
		polyurethane latex balloon	Ch. 8:18	approx. 70 cm	3.0 ml 9.5 cm long	1
 curved olive tip	342000*	<b>SINGLE LUMEN</b> Hydraulic ureter dilator set, for use through ureterorenoscopes				
		polyurethane latex balloon	Ch. 5:12	approx. 75 cm	0.9 ml 5 cm long	1
	Ch. 6:14					
342001*	polyurethane latex balloon	Ch. 5:14	approx. 70 cm	0.3 ml 2 cm long	1	

#### HYDRAULIC URETER DILATORS

Gentle balloon dilation of the ureter

- dilators made of polyurethane with special armoured balloon made of latex
- white, radiopaque
- cm graduation
- stylet
- check valve with two-way stopcock with Luer-lock adapter
- enclosed single use syringe
- sterile, single use

Maximum diameter of guidewire for coaxial ureter dilator

REF. 342002	
0.035"	0.89 mm

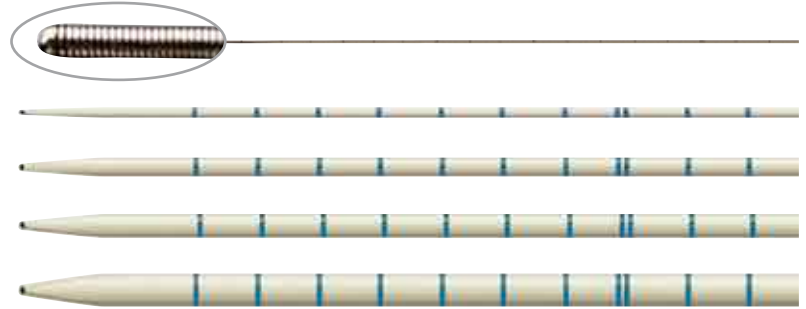
WHEN ORDERING, PLEASE ALWAYS INDICATE REF. AND ORDER SIZE





## 11.4 MECHANICAL URETER DILATORS

### MECHANICAL URETER DILATORS for step-by-step ureteral dilation

- polyurethane dilators
- extremely radiopaque
- cm graduation
- sterile, single use
- latex-free

### MECHANICAL URETER DILATORS



Tip configuration	REF.	MATERIAL	ORDER SIZE	LENGTH	QTY
 conical with central opening  flexible tip	341000	<b>Ureter dilator set, Vienna model</b> consisting of dilators in 9 different sizes and a guidewire with straight flexible safety tip and cm graduation up to 50 cm			1
		Polyurethane dilators Stainless steel guidewire	Ch. 6/8-14/16 Ø 0.037" (0.95 mm)	approx. 60 cm approx. 150 cm	
 conical with central opening	341001	<b>Ureter dilator, individually packed</b>			5
		polyurethane	Ch. 6/8-14/16	approx. 60 cm	
 flexible tip	341002	<b>Guidewire, individually packed</b> straight flexible safety tip, cm graduation up to 50 cm			2
		stainless steel	Ø 0.037" (0.95 mm)	approx. 150 cm	



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## Eight removal methods which can be used when the balloon of a Foley catheter will not deflate.

by Dr. Stephan Roth and Prof. L. Hertle, Department of Urology, University of Münster/Germany.

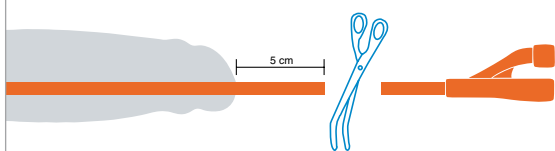
### DEFLATING BY USING TORSION

Technique: Aspirate while slightly pulling the catheter end with alternating right-left rotation to loosen adhesions and remove ridges in the filling lumen.



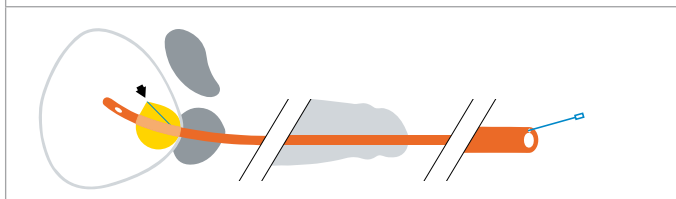
### SHORTENING THE DEFECTIVE LENGTH

Technique: Remove the funnel part of the catheter which is most prone to defects from the continuous stresses of tension and kinking. It is important to maintain a safety margin of at least 5 cm beyond the meatus urethrae.



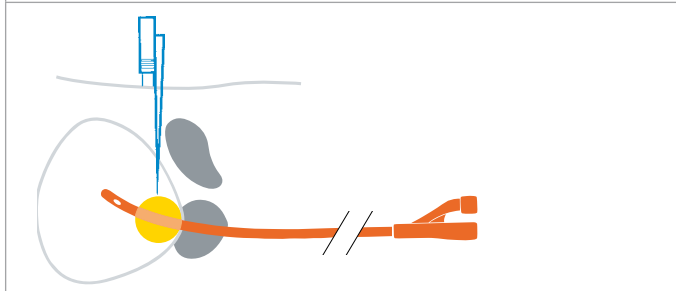
### TRANSLUMINAL PROBING AND PERFORATION

Technique: Access the filling lumen with a thin probe (stylet of a ureteral, central venous or angiography catheter). If this is unsuccessful, attempt to perforate the balloon with the inserted stylet (caution: examine the balloon afterwards to ensure complete removal).



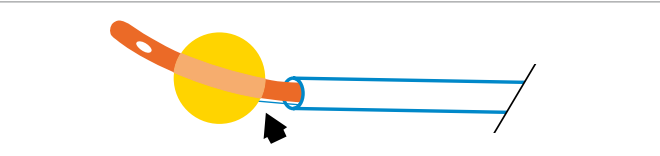
### PERCUTANEOUS PUNCTURE

Technique: This can be done both using radiological (cystogram) or ultrasound guidance. Before puncturing secure the balloon to the bladder neck by slightly pulling the distal end of the catheter. Nephrostomy, biopsy or lumbar puncture needles may be used for the puncture (caution: examine the balloon afterwards to ensure complete removal).



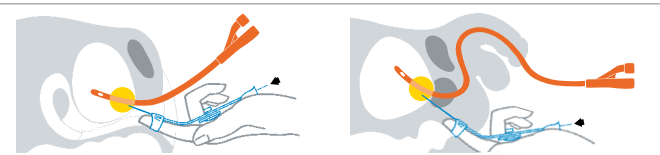
### HARPOON TECHNIQUE

Technique: Fill the shaft of a cystoscope with lubricant and insert the cut end of the catheter into it up to the balloon. Then insert a probe between the shaft and the catheter using the technique described by O'Flynn. Catheter pushers or ureteral catheters guidewires may be used as probes (caution: examine the balloon afterwards to ensure complete removal).



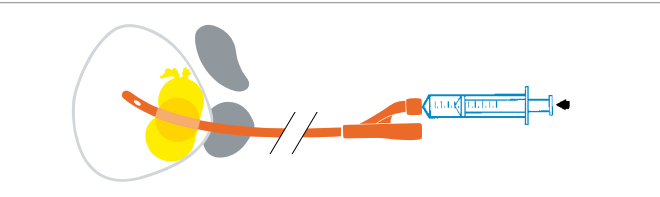
### TRANSRECTAL OR TRANSVAGINAL PUNCTURE

Technique: Pull the catheter end lightly until the balloon is stuck at the bladder neck and puncture it using a flexible biopsy needle (caution: examine the balloon afterwards to ensure complete removal).



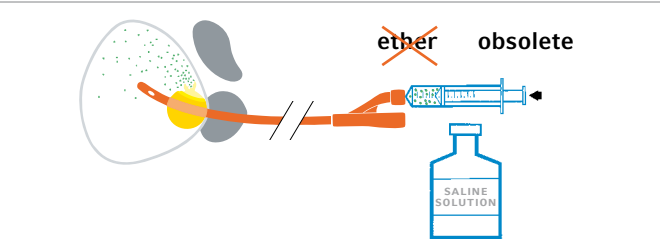
### RUPTURE BY OVERDISTENSION

Technique: Rupture can be induced by overdistending the balloon with 0.9% NaCl. Depending on the catheter, however, a volume of between 70 and 200 ml is required. Thus there is a risk of urinary system rupture in patients with nephrostomy catheters and those with contracted bladders.



### CHEMICALLY INDUCED RUPTURE

Technique: Inject 10 ml paraffin oil through the filling lumen. Inject a further 5-10 ml after 5-10 minutes if necessary. As a preventative measure, it is important to prefill the bladder with 100-200 ml saline solution. After removing the balloon catheter, inspect the bladder cystoscopically for fragments to avoid formation of calculus.



**Caution!** The low boiling point of ether (34.5 °C) causes an almost instantaneous volume increase of 0.4 to 1.01 litres after instilling 2-5 ml ether. This is associated with the risk of bladder rupture, particularly in children. Thus the use of ether is outdated and should be avoided.

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