

Aesculap[®] Bone Punches

The comprehensive range of bone punches from Aesculap!



Aesculap Neurosurgery

KERRISON Bone Punches from Aesculap



Non-detachable KERRISON Bone Punch

Proven

...considered a classic for over 100 years. The graceful slim design and excellent cutting properties are its hallmark.



Aesculap – a tradition of high quality!

Aesculap has manufactured KERRISON bone punches for over 100 years.

Throughout the world, "Made by Aesculap" is synonymous with high quality and durability.

Detachable KERRISON Bone Punch

Detachable

...can be disassembled without tools in only 3 steps for efficient cleaning.

From raw material to KERRISON bone punch.

The high quality of the Aesculap KERRISON bone punches is a result of the longstanding experience and quality awareness of our employees.



**KERRISON Noir®
Bone Punch**

Aesthetic

...detachable, with a special black coating for reduced light reflection in the operating area.

**Special KERRISON
Bone Punches**

Special

...whether curved, bayonet-shaped, extra long, of intermediate size or with a large jaw opening – we provide the solution.

**KAIRison®
Pneumatic Bone Punch**

Pneumatic

...reduces physical effort – technology that makes life easier.

**Skilfully and
expertly hand-crafted**

In order to meet the high demands of every operation, every single part is manufactured by hand and subsequently checked.

Aesculap[®] Bone Punches

Non-detachable KERRISON punches

Proven

Thin footplate
These KERRISON punches feature a distinctive golden distal end.

Large jaw punches
offer a 66 % wider jaw opening compared to standard punches.

<<<< Large jaw opening >>>>
15 mm

< Standard jaw opening >
8 - 12 mm

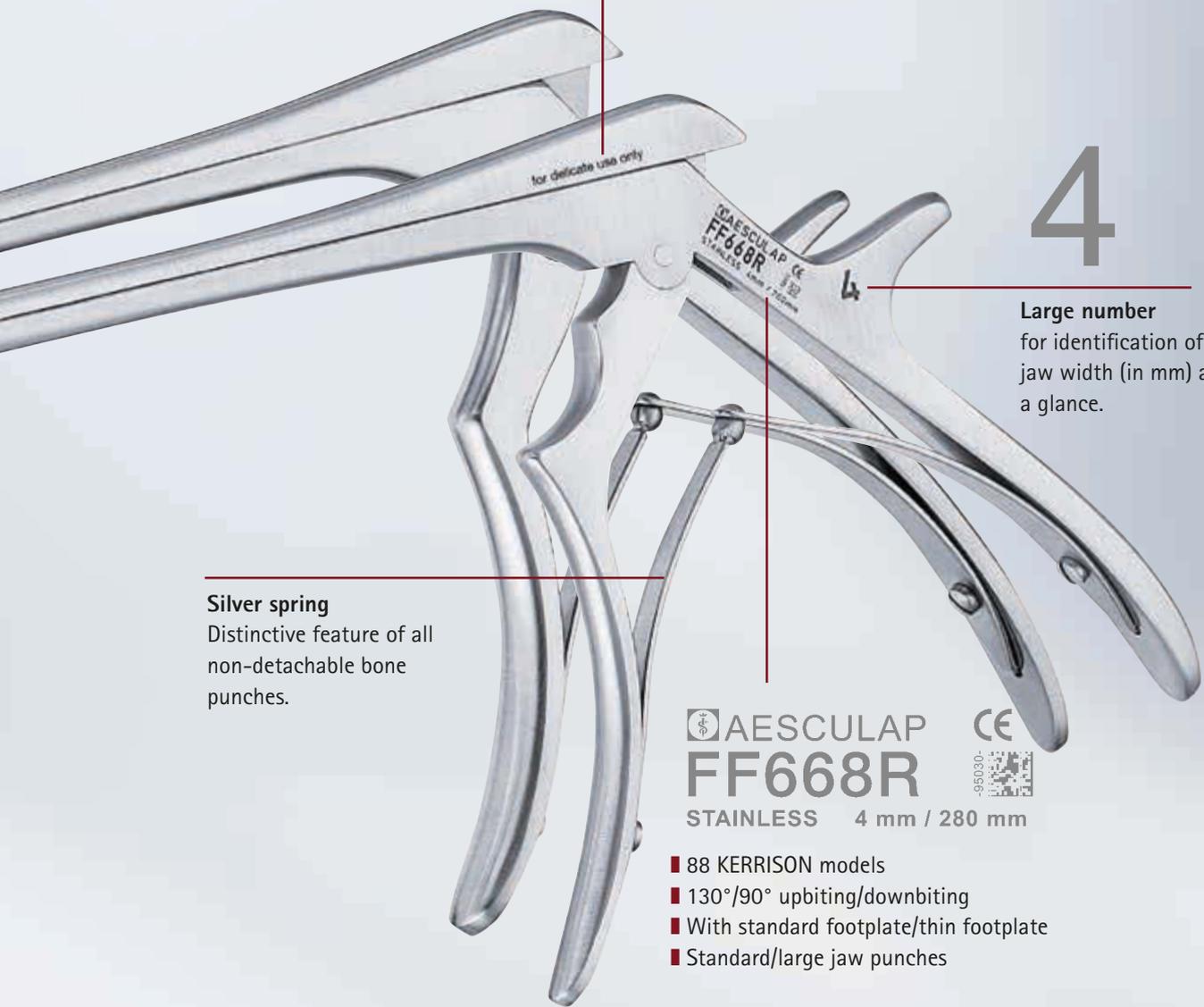


Extra-long version

This 280 mm punch completes the portfolio. Its extra length offers sufficient reserves for bridging the distance to the application site.

for delicate use only

Punches with a thin footplate are used exclusively for removing small portions of bone and soft tissue.



4

Large number for identification of jaw width (in mm) at a glance.

Silver spring
Distinctive feature of all non-detachable bone punches.

 **AESCULAP** 
FF668R 
STAINLESS 4 mm / 280 mm

- 88 KERRISON models
- 130°/90° upbiting/downbiting
- With standard footplate/thin footplate
- Standard/large jaw punches

■ Lengths:	180 mm (7")
	200 mm (8")
	230 mm (9")
	280 mm (11")
■ Jaw widths:	1 - 6 mm
■ Intermediate sizes:	1.5 mm width
	2.5 mm width
■ Without ejector	

Aesculap® Bone Punches

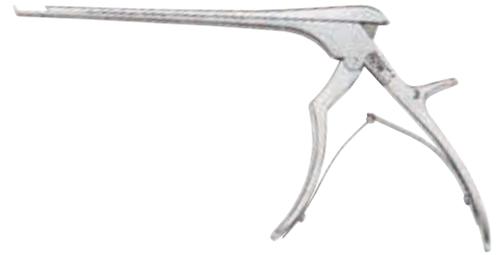
Non-detachable KERRISON punches

Jaw position 130°, upwards

		Footplate					
		Standard		Standard		Thin	
		Jaw opening					
		Standard (mm)		Large (mm)		Standard (mm)	
Length	Width						
180 mm	1.0 mm	FF715R	(8)	-	-	FF771R	(8)
	1.5 mm	FF638R	(9)	FF647R	(15)	FF645R	(9)
	2.0 mm	FF717R	(9)	FF677R	(15)	FF772R	(9)
	2.5 mm	FF639R	(10)	FF648R	(15)	FF646R	(10)
	3.0 mm	FF720R	(10)	FF678R	(15)	FF773R	(10)
	4.0 mm	FF724R	(12)	FF679R	(15)	FF769R	(12)
	5.0 mm	FF722R	(12)	FF680R	(15)	FF770R	(12)
	6.0 mm	FF726R	(12)	FF681R	(15)	-	-
200 mm	1.0 mm	FF691R	(8) New	-	-	FF661R	(8)
	1.5 mm	FF649R	(9)	-	-	FF658R	(9)
	2.0 mm	FF737R	(9)	FF660R	(15)	FF662R	(9)
	2.5 mm	FF657R	(10)	-	-	FF659R	(10)
	3.0 mm	FF738R	(10)	FF739R	(15)	FF663R	(10)
	4.0 mm	FF727R	(12)	FF745R	(15)	FF664R	(12)
	5.0 mm	FF728R	(12)	FF751R	(15)	FF665R	(12)
	6.0 mm	FF729R	(12)	FF753R	(15)	-	-
230 mm	1.0 mm	FF674R	(8) New	-	-	FF734R	(8) New
	2.0 mm	FF682R	(9)	-	-	FF746R	(9)
	3.0 mm	FF683R	(10)	-	-	FF747R	(10)
	4.0 mm	FF684R	(12)	-	-	FF748R	(12)
	5.0 mm	FF685R	(12)	-	-	FF749R	(12)
280 mm	1.0 mm	FF696R	(8) New	-	-	FF673R	(8) New
	2.0 mm	FF686R	(9) New	-	-	FF666R	(9)
	3.0 mm	FF687R	(10) New	-	-	FF667R	(10)
	4.0 mm	FF688R	(12) New	-	-	FF668R	(12)
	5.0 mm	FF689R	(12) New	-	-	FF669R	(12)

Jaw position 130°, downwards

		Footplate					
		Standard		Standard		Thin	
		Jaw opening					
		Standard (mm)		Large (mm)		Standard (mm)	
Length	Width						
180 mm	1.0 mm	FF711R	(8)	-	-	FF781R	(8)
	2.0 mm	FF712R	(9)	-	-	FF782R	(9)
	3.0 mm	FF713R	(10)	-	-	FF783R	(10)
	4.0 mm	FF714R	(12)	-	-	FF784R	(12)
	5.0 mm	FF725R	(12)	-	-	FF785R	(12)



Jaw position 130°, downwards



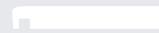
		Footplate		
		Standard		
		Jaw opening		
		Standard (mm)		
Length	230 mm	Width		
			2.0 mm	FF692R (9)
			3.0 mm	FF693R (10)
			4.0 mm	FF694R (12)
			5.0 mm	FF695R (12)

Jaw position 90°, upwards



		Footplate		
		Standard		
		Jaw opening		
		Standard (mm)		
Length	180 mm	Width		
			1.0 mm	FF716R (8)
			2.0 mm	FF718R (9)
			3.0 mm	FF750R (10)
			4.0 mm	FF752R (12)
			5.0 mm	FF754R (12)
			6.0 mm	FF755R (12)

Jaw position 90°, downwards



		Footplate		
		Standard		
		Jaw opening		
		Standard (mm)		
Length	180 mm	Width		
			1.0 mm	FF741R (8)
			2.0 mm	FF719R (9)
			3.0 mm	FF721R (10)
			4.0 mm	FF742R (12)
			5.0 mm	FF723R (12)
			6.0 mm	FF743R (12)

All Non-detachable KERRISON punches **without** Ejector

Width (mm)	1.0 	1.5 	2.0 	2.5 	3.0 	4.0 	5.0 	6.0 
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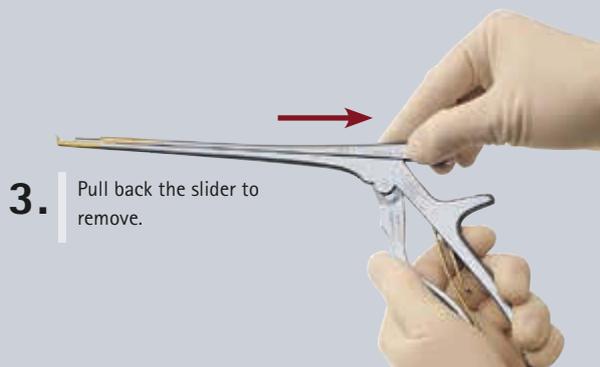
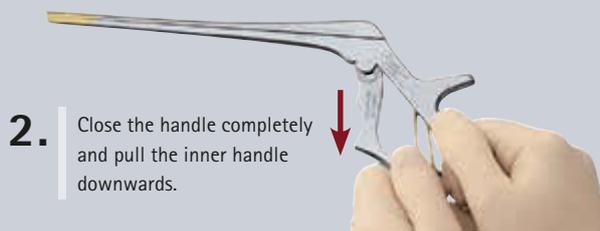
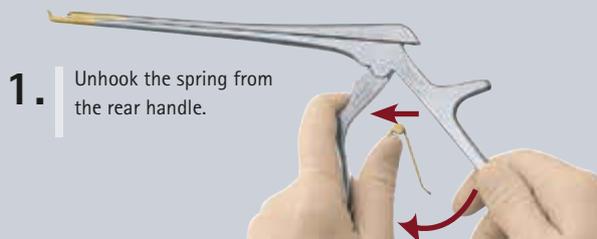
Aesculap® Bone Punches

Detachable KERRISON punches

Detachable

- Easy disassembly and assembly without tools
- Efficient cleaning and sterilization

Disassembly in 3 steps:



(Assembly see page 12)

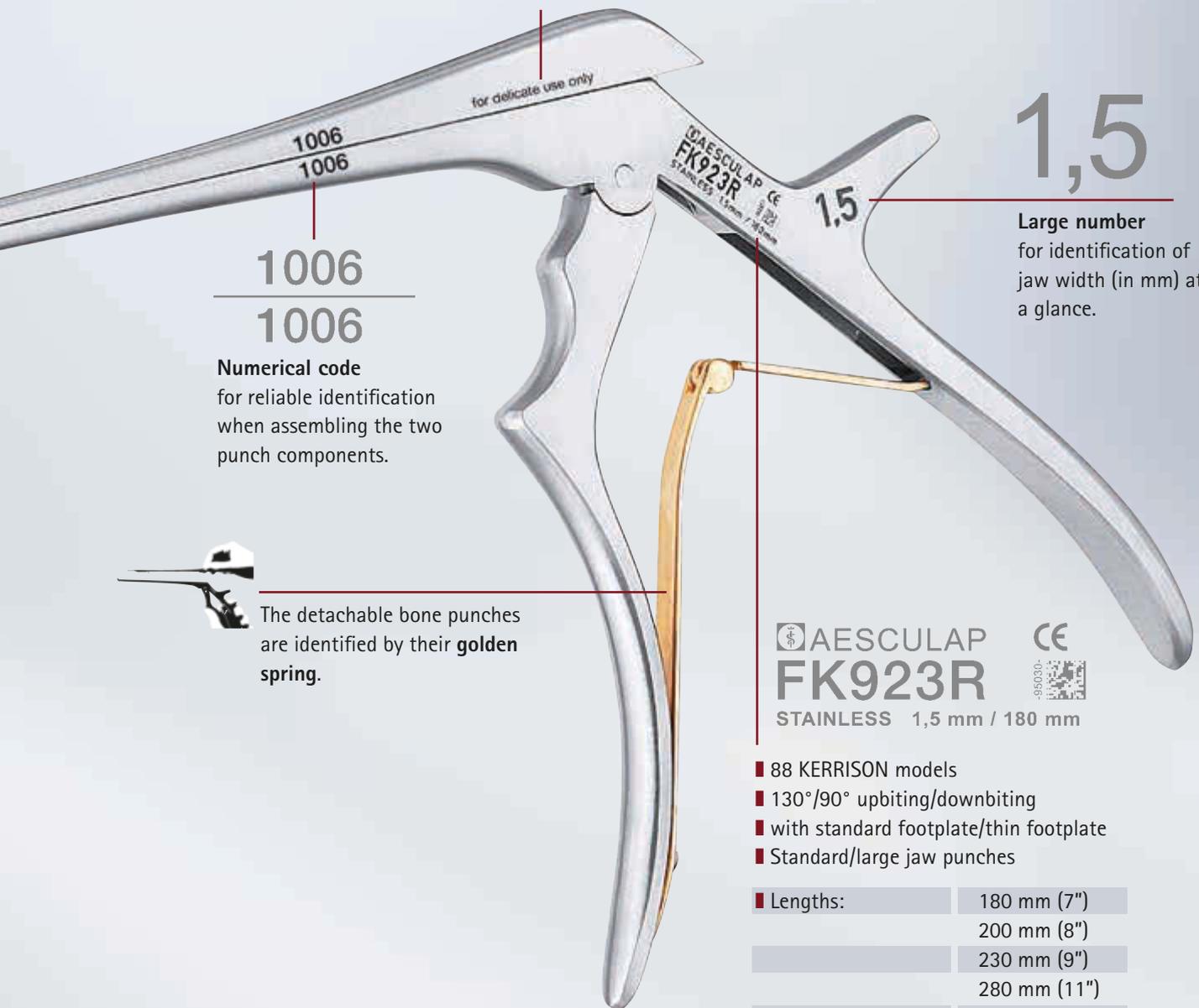
Detachable KERRISON punches with thin footplate clearly recognizable by the golden distal end.



Ejector – for easy removal of punched-out material.

for delicate use only

Punches with a thin footplate are used exclusively for removing small portions of bone and soft tissue.



1006
1006

Numerical code
for reliable identification
when assembling the two
punch components.

1,5

Large number
for identification of
jaw width (in mm) at
a glance.

The detachable bone punches
are identified by their **golden
spring**.

AESCULAP 
FK923R
STAINLESS 1,5 mm / 180 mm

- 88 KERRISON models
- 130°/90° upbiting/downbiting
- with standard footplate/thin footplate
- Standard/large jaw punches

■ Lengths:	180 mm (7")
	200 mm (8")
	230 mm (9")
	280 mm (11")

■ Jaw widths:	1 - 6 mm
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■ Intermediate sizes:	1.5 mm width
	2.5 mm width

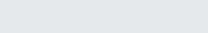
Aesculap® Bone Punches

Detachable KERRISON punches

Jaw position 130°, upwards

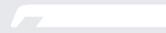
		Footplate					
		Standard		Standard		Thin	
		Jaw opening					
		Standard (mm)		Large (mm)		Standard (mm)	
Length	Width						
180 mm	1.0 mm	FK900R	(8)	-	-	FK906R	(8)
	1.5 mm	FK911R	(9)	FK941R	(15)	FK923R	(9)
	2.0 mm	FK901R	(9)	FK971R	(15)	FK907R	(9)
	2.5 mm	FK912R	(10)	FK942R	(15)	FK924R	(10)
	3.0 mm	FK902R	(10)	FK972R	(15)	FK908R	(10)
	4.0 mm	FK903R	(12)	FK973R	(15)	FK909R	(12)
	5.0 mm	FK904R	(12)	FK974R	(15)	FK910R	(12)
	6.0 mm	FK905R	(12)	FK975R	(15)	-	-
200 mm	1.0 mm	FK960R	(8) New	-	-	FK961R	(8)
	1.5 mm	FK966R	(9)	-	-	FK968R	(9)
	2.0 mm	FK913R	(9)	FK970R	(15)	FK962R	(9)
	2.5 mm	FK967R	(10)	-	-	FK969R	(10)
	3.0 mm	FK914R	(10)	FK982R	(15)	FK963R	(10)
	4.0 mm	FK915R	(12)	FK983R	(15)	FK964R	(12)
	5.0 mm	FK916R	(12)	FK984R	(15)	FK965R	(12)
	6.0 mm	FK917R	(12)	FK985R	(15)	-	-
230 mm	1.0 mm	FK918R	(8) New	-	-	FK929R	(8) New
	2.0 mm	FK919R	(9)	-	-	FK925R	(9)
	3.0 mm	FK920R	(10)	-	-	FK926R	(10)
	4.0 mm	FK921R	(12)	-	-	FK927R	(12)
	5.0 mm	FK922R	(12)	-	-	FK928R	(12)
280 mm	1.0 mm	FK981R	(8) New	-	-	FK980R	(8) New
	2.0 mm	FK986R	(9) New	-	-	FK976R	(9)
	3.0 mm	FK987R	(10) New	-	-	FK977R	(10)
	4.0 mm	FK988R	(12) New	-	-	FK978R	(12)
	5.0 mm	FK989R	(12) New	-	-	FK979R	(12)

Jaw position 130°, downwards

		Footplate					
		Standard		Standard		Thin	
		Jaw opening					
		Standard (mm)		Large (mm)		Standard (mm)	
Length	Width						
180 mm	1.0 mm	FK930R	(8)	-	-	FK936R	(8)
	2.0 mm	FK931R	(9)	-	-	FK937R	(9)
	3.0 mm	FK932R	(10)	-	-	FK938R	(10)
	4.0 mm	FK933R	(12)	-	-	FK939R	(12)
	5.0 mm	FK934R	(12)	-	-	FK940R	(12)

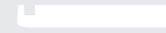


Jaw position 130°, downwards



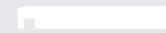
		Footplate		
		Standard		
		Jaw opening		
		Standard (mm)		
Length	Width			
		230 mm	2.0 mm	FK943R (9)
			3.0 mm	FK944R (10)
			4.0 mm	FK945R (12)
	5.0 mm	FK946R (12)		

Jaw position 90°, upwards



		Footplate		
		Standard		
		Jaw opening		
		Standard (mm)		
Length	Width			
		180 mm	1.0 mm	FK948R (8)
			2.0 mm	FK949R (9)
			3.0 mm	FK950R (10)
			4.0 mm	FK951R (12)
			5.0 mm	FK952R (12)
	6.0 mm	FK953R (12)		

Jaw position 90°, downwards



		Footplate		
		Standard		
		Jaw opening		
		Standard (mm)		
Length	Width			
		180 mm	1.0 mm	FK954R (8)
			2.0 mm	FK955R (9)
			3.0 mm	FK956R (10)
			4.0 mm	FK957R (12)
			5.0 mm	FK958R (12)
	6.0 mm	FK959R (12)		

Detachable

Ejector	<input checked="" type="checkbox"/>								
Width (mm)	1.0 <input type="checkbox"/>	1.5 <input type="checkbox"/>	2.0 <input type="checkbox"/>	2.5 <input type="checkbox"/>	3.0 <input type="checkbox"/>	4.0 <input type="checkbox"/>	5.0 <input type="checkbox"/>	6.0 <input type="checkbox"/>	

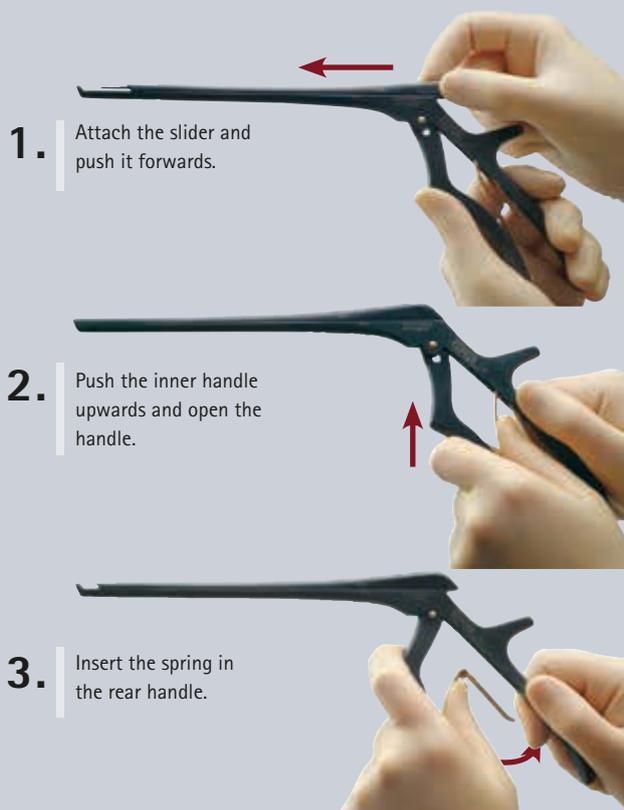
Aesculap® Bone Punches

Noir® – coated KERRISON punches

Aesthetic

- Easy disassembly and assembly without tools
- Efficient cleaning and sterilization
- Black Noir® coating – no irritating light reflections

Assembly in 3 steps:



(Disassembly see page 8)

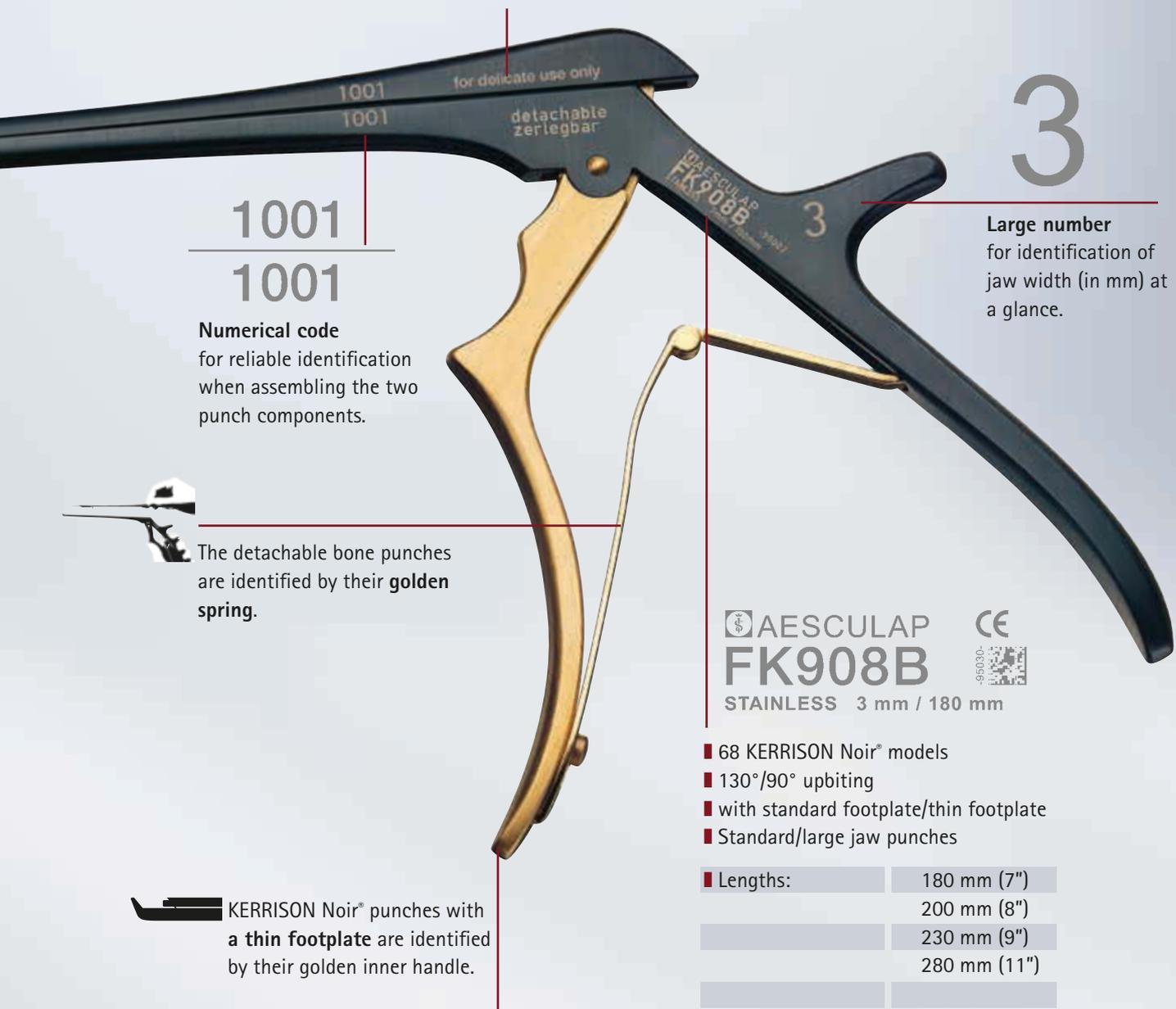
The black surface coating prevents distracting light reflection.



Ejector – for the easy removal of punched-out material.

for delicate use only

Punches with a thin footplate are used exclusively for removing small portions of bone and soft tissue.



1001
1001

Numerical code for reliable identification when assembling the two punch components.

3

Large number for identification of jaw width (in mm) at a glance.



The detachable bone punches are identified by their **golden spring**.

AESCULAP
FK908B



STAINLESS 3 mm / 180 mm

- 68 KERRISON Noir® models
- 130°/90° upbiting
- with standard footplate/thin footplate
- Standard/large jaw punches

■ Lengths:	180 mm (7")
	200 mm (8")
	230 mm (9")
	280 mm (11")

■ Jaw widths:	1 - 6 mm
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■ Intermediate sizes:	1.5 mm width
	2.5 mm width

Aesculap® Bone Punches

Noir® – coated KERRISON punches

Jaw position 130°, upwards

		Footplate					
		Standard		Standard		Thin	
		Jaw opening					
		Standard (mm)		Large (mm)		Standard (mm)	
Length	Width						
180 mm	1.0 mm	FK900B	(8)	-	-	FK906B	(8)
	1.5 mm	FK911B	(9)	FK941B	(15)	FK923B	(9)
	2.0 mm	FK901B	(9)	FK971B	(15)	FK907B	(9)
	2.5 mm	FK912B	(10)	FK942B	(15)	FK924B	(10)
	3.0 mm	FK902B	(10)	FK972B	(15)	FK908B	(10)
	4.0 mm	FK903B	(12)	FK973B	(15)	FK909B	(12)
	5.0 mm	FK904B	(12)	FK974B	(15)	FK910B	(12)
	6.0 mm	FK905B	(12)	FK975B	(15)	-	-
200 mm	1.0 mm	FK960B	(8) New	-	-	FK961B	(8)
	1.5 mm	FK966B	(9)	-	-	FK968B	(9)
	2.0 mm	FK913B	(9)	FK970B	(15)	FK962B	(9)
	2.5 mm	FK967B	(10)	-	-	FK969B	(10)
	3.0 mm	FK914B	(10)	FK982B	(15)	FK963B	(10)
	4.0 mm	FK915B	(12)	FK983B	(15)	FK964B	(12)
	5.0 mm	FK916B	(12)	FK984B	(15)	FK965B	(12)
	6.0 mm	FK917B	(12)	FK985B	(15)	-	-
230 mm	1.0 mm	FK918B	(8) New	-	-	FK929B	(8) New
	2.0 mm	FK919B	(9) New	-	-	FK925B	(9)
	3.0 mm	FK920B	(10) New	-	-	FK926B	(10)
	4.0 mm	FK921B	(12) New	-	-	FK927B	(12)
	5.0 mm	FK922B	(12) New	-	-	FK928B	(12)
280 mm	1.0 mm	FK981B	(8) New	-	-	FK980B	(8) New
	2.0 mm	FK986B	(9) New	-	-	FK976B	(9)
	3.0 mm	FK987B	(10) New	-	-	FK977B	(10)
	4.0 mm	FK988B	(12) New	-	-	FK978B	(12)
	5.0 mm	FK989B	(12) New	-	-	FK979B	(12)

Jaw position 90°, upwards

		Footplate					
		Standard		Standard		Thin	
		Jaw opening					
		Standard (mm)		Large (mm)		Standard (mm)	
Length	Width						
180 mm	1.0 mm	FK948B	(8)	-	-	-	-
	2.0 mm	FK949B	(9)	-	-	-	-
	3.0 mm	FK950B	(10)	-	-	-	-
	4.0 mm	FK951B	(12)	-	-	-	-
	5.0 mm	FK952B	(12)	-	-	-	-
	6.0 mm	FK953B	(12)	-	-	-	-



Aesthetic

Ejector	<input checked="" type="checkbox"/>								
Width (mm)	1.0 <input type="checkbox"/>	1.5 <input type="checkbox"/>	2.0 <input type="checkbox"/>	2.5 <input type="checkbox"/>	3.0 <input type="checkbox"/>	4.0 <input type="checkbox"/>	5.0 <input type="checkbox"/>	6.0 <input type="checkbox"/>	

Aesculap® Bone Punches

Special KERRISON Bone Punches

Special

In addition to standard punches, Aesculap offers a portfolio of special bone punches for almost every surgical situation.

■ 8 special bayonet-shaped and curved punches

- Classic non-detachable bone punch with an upbiting curved jaw for easy removal of bone material, especially from between the vertebral arches.

Curved KERRISON punch, upbiting

Length	Width	Jaw opening	Art. no.
200 mm	2.0 mm	10 mm	FF466R
	3.0 mm	10 mm	FF467R
	4.0 mm	10 mm	FF468R
	5.0 mm	10 mm	FF469R

- Classic non-detachable bayonet-shaped bone punch for improved vision over the shaft of the instrument in the operating area.

Bayonet-shaped KERRISON punch, 130°, upbiting

Length	Width	Working length	Jaw opening	Art. no.
240 mm	2.0 mm	170 mm	10 mm	FF496R
	3.0 mm	170 mm	10 mm	FF497R
	4.0 mm	170 mm	10 mm	FF498R
	5.0 mm	170 mm	10 mm	FF499R

■ Extra long – 12 KERRISON models

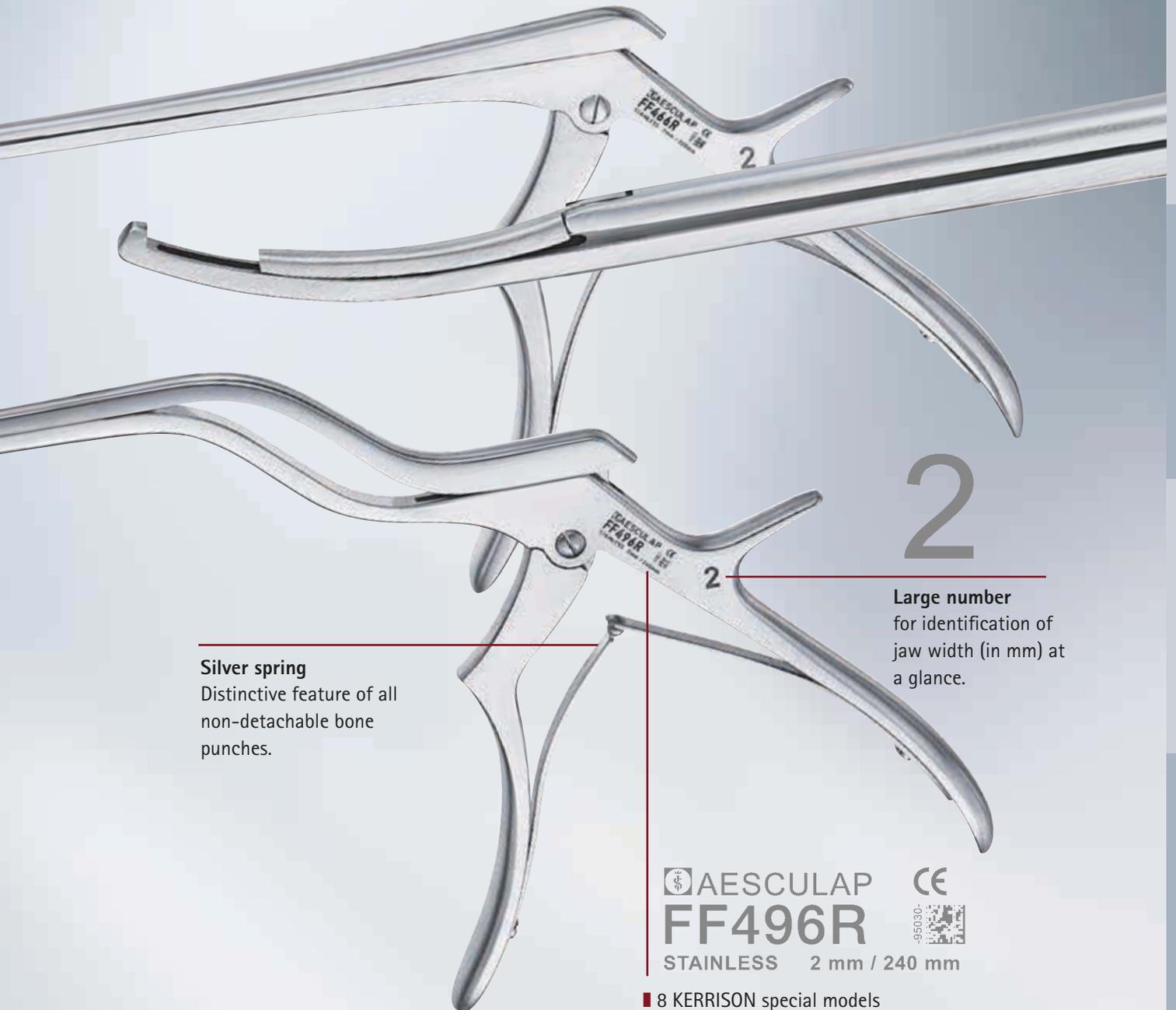


■ Intermediate sizes – 30 KERRISON models



■ Large jaw – 36 KERRISON models





Silver spring

Distinctive feature of all non-detachable bone punches.

2

Large number
for identification of
jaw width (in mm) at
a glance.

 **AESCULAP** 
FF496R
STAINLESS 2 mm / 240 mm

- 8 KERRISON special models
- bayonet-shaped, for an improved overview
- curved, for areas that are difficult to reach

■ Length:	200 mm (8")
■ Jaw widths:	2 - 5 mm
■ Without ejector	

Aesculap[®] Bone Punches

Aesculap[®] Instrument Organisation System

Good reasons for choosing Aesculap instrument baskets:

- Special Storage frame JF120R for bone punches available
- With large perforation specially suited for cleaning of instruments contaminated with rough debris (e.g. bone chips)
- Smooth surfaces for preventing damage to surgical gloves
- Additional user comfort thanks to low weight construction
- Comprehensive product range offering solutions not only for using instrument baskets in the Sterile Container System but also for single-use packaging materials
- Fully compatible with the Aesculap Instrument Organisation System

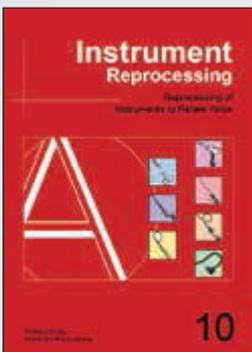




JF120R

Storage frame for bone punches
facilitate firm and easy storage during
and after sterilization.

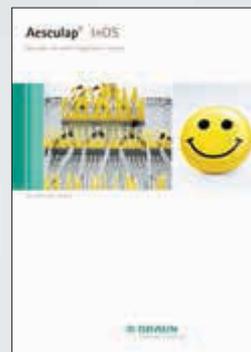
Application example:
Transsphenoidal hypophysectomy set



For further information on the reprocessing of instruments, please refer to the brochure "Proper Maintenance of Instruments".



Information on disassembly and reprocessing of the KERRISON bone punch is also available on the KERRISON poster C22911.



For further information on the Aesculap Instrument Organization System, please refer to the brochure C81902.

Aesculap® Bone Punches

KAIRISON® Pneumatic Bone Punch

The benefits

- Easy handling
- Reduces physical effort required
- Relieves strain on hands and joints
- Less risk of reduced motor skills through fatigue
- Innovative safety mechanism
- Short learning curve
- Excellent balance
- Suitable for right- or left-handed use
- Reliable
- Ergonomic design

The feedback

"My first reaction after using the KAIRISON® was to wonder why this unique tool had not been invented 20 years sooner."

Dr. Joseph Maroon, UPMC, Pittsburgh, PA, USA

Technology that makes life easier.





Safety

Apply the safety catch to block the trigger mechanism when cleaning the punch.



To lock and open

Quick and easy shaft replacement



ON and OFF

When the bone punch is not in use, deactivate the system via the on/off switch to avoid accidental operation.



Complete control

There are two power settings. For positioning the bone punch, apply light pressure to the trigger and stop when you meet resistance. Release the trigger to stop the flow of air at any time, and return the bone punch to its original position – without punching. To cut bone, apply full pressure to the trigger.



Air on tap

Simply connect to the existing compressed air outlet in the OR.



Aesculap® Bone Punches

KAIRison® Pneumatic Bone Punch

In just three easy steps



1. Connect the tube to the compressed air outlet in the OR. Then connect the tube to the pressure reducer, and connect the disposable tube to the handle.



2. Insert the shaft, and turn this toward the handle until you hear it click into place. Please check the shaft is positioned correctly.



3. Switch the KAIRison® on. It is now ready to use. It is that simple.



C25511
KAIRison® short guide
poster

Easy shaft replacement



1. Pull the hock (1) and turn the shaft (2).



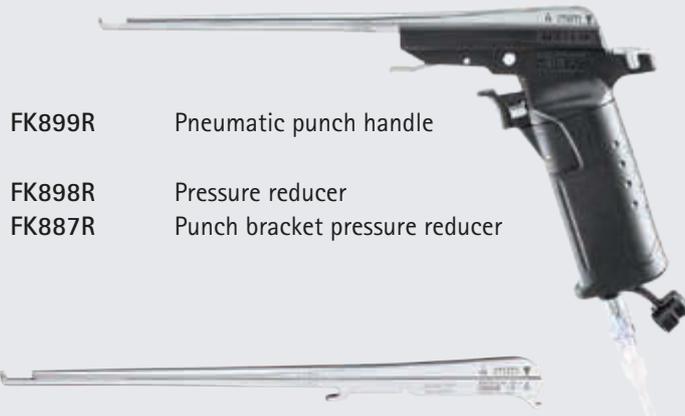
2. To detach the shaft just lift it up.



3. Insert the new shaft (1) and turn this toward the handle until you hear it click into place (2) – „click“.



C25411
KAIRison® assembly/
disassembly poster



Punch bracket pressure reducer



Pressure reducer

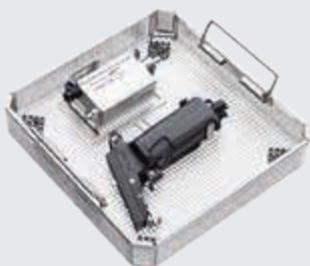
- FK899R Pneumatic punch handle
- FK898R Pressure reducer
- FK887R Punch bracket pressure reducer



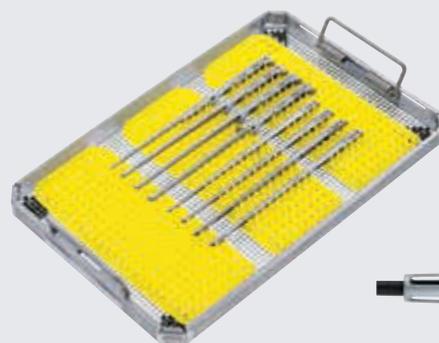
Length	Punsh shaft	Width	Footplate	Working length	Jaw opening	Ejector
235 mm	FK882R	2 mm 	standard	140 mm	12 mm	✓
	FK883R	3 mm 	standard	140 mm	12 mm	✓
	FK884R	4 mm 	standard	140 mm	12 mm	✓
	FK885R	5 mm 	standard	140 mm	12 mm	✓
	FK886R	6 mm 	standard	140 mm	12 mm	✓
285 mm	FK892R	2 mm 	standard	190 mm	12 mm	✓
	FK893R	3 mm 	standard	190 mm	12 mm	✓
	FK894R	4 mm 	standard	190 mm	12 mm	✓
	FK895R	5 mm 	standard	190 mm	12 mm	✓
	FK896R	6 mm 	standard	190 mm	12 mm	✓

FK888SU

Disposable tube (3 m)
Sales unit: PAK = Package of 10 tubes



FK881R
Storage rack for KAIRison® handle and pressure reducer



FK891R
Storage rack for KAIRison® shafts



GA466
Pneumatic hose (5 m) with Aesculap-Dräger connection



GA468
Pneumatic hose (5 m) with Aesculap-Schrader connection

