



NEUROSURGERY

AESFULAP[®] KERRISON

BONE PUNCHES MADE BY AESFULAP[®]

KERRISON BONE PUNCHES MADE BY 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.



(1) The gloss level of the Noir® – coated KERRISON Bone Punch (FK902B) was compared to the gloss level of the uncoated KERRISON bone punch (FK902R) by means of a glossmeter. The reflections (gloss levels were determined at 6 different measure points) were reduced by 60% (crosswise), and 80% (lengthwise) on average.

(2) Publication Reference: Maroon JC, El-Kadi M, Bost J. Pneumatic Kerrison rongeur: technical note. Surg Neurol 2009; 71(4):466–8.



AESTHETIC

KERRISON Noir® Bone Punch

...detachable, with a special black coating for reduced light reflection in the operating area (1).



DETACHABLE

Detachable KERRISON Bone Punch

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



PROVEN

Non-detachable KERRISON Bone Punch

...considered a classic for over 100 years.



SPECIAL

Special KERRISON Bone Punches

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



PNEUMATIC

KAIRison® Pneumatic Bone Punch

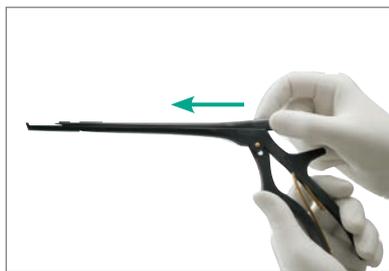
...reduces physical effort – technology that makes life easier (2).



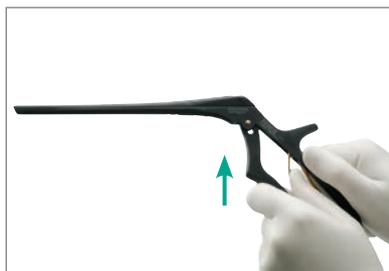
AESFULAP® KERRISON

AESFULAP® Noir® – COATED, DETACHABLE BONE PUNCHES

ASSEMBLY IN 3 STEPS:



1. | Attach the slider and push it forwards



2. | Push the inner handle upwards and open the handle.



3. | Insert the spring in the rear handle.

(Disassembly see page 8)

- | >60 KERRISON Noir® models
- | 130° /90° upbiting
- | With standard /thin footplate
- | Standard /large jaw punches

AESTHETIC



BLACK SURFACE COATING
reduces distracting light reflections.



EJECTOR
for the removal of punched-out material.



STANDARD JAW PUNCHES
8 - 12 mm jaw opening.



LARGE JAW PUNCHES
offer an up to 66% wider jaw opening (15 mm) compared to standard punches.

» ADVANTAGES

- | Disassembly and assembly without tools.
- | Easier verification of cleaning success due to less overlapping surfaces.
- | Black Noir® coating – reduces light reflections (1).



AESULAP® KERRISON

AESULAP® Noir® – COATED. DETACHABLE BONE PUNCHES

JAW POSITION 130°, UPWARDS

Length	Width	Footplate					
		Standard		Standard		Thin	
		Jaw opening					
		Standard (mm)	Large (mm)	Standard (mm)			
180 mm	1.0 mm	FK900B (8)	-	-	FK906B (8)		
	1.5 mm	FK911B (9)	-	-	FK923B (9)		
	2.0 mm	FK901B (9)	FK971B (15)	-	FK907B (9)		
	2.5 mm	FK912B (10)	-	-	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)	-	-	-		
200 mm	1.0 mm	FK960B (8)	-	-	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)	-	-	FK929B (8)		
	2.0 mm	FK919B (9)	-	-	FK925B (9)		
	3.0 mm	FK920B (10)	-	-	FK926B (10)		
	4.0 mm	FK921B (12)	-	-	FK927B (12)		
	5.0 mm	FK922B (12)	-	-	FK928B (12)		
280 mm	1.0 mm	FK981B (8)	-	-	-		
	2.0 mm	FK986B (9)	-	-	FK976B (9)		
	3.0 mm	FK987B (10)	-	-	FK977B (10)		
	4.0 mm	FK988B (12)	-	-	FK978B (12)		
	5.0 mm	FK989B (12)	-	-	FK979B (12)		

JAW POSITION 90°, UPWARDS

Length	Width	Footplate					
		Standard		Standard		Thin	
		Jaw opening					
		Standard (mm)	Large (mm)	Standard (mm)			
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)	-	-	-		

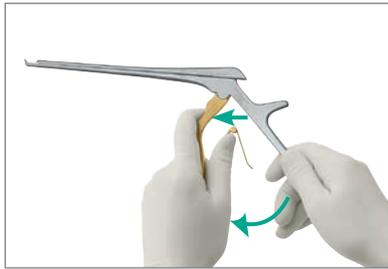


Ejector	<input checked="" type="checkbox"/>								
Width (mm)	1.0 <input type="checkbox"/>	1.5 <input type="checkbox"/>	2.0 <input type="checkbox"/>	2.5 <input type="checkbox"/>	3.0 <input type="checkbox"/>	4.0 <input type="checkbox"/>	5.0 <input type="checkbox"/>	6.0 <input type="checkbox"/>	

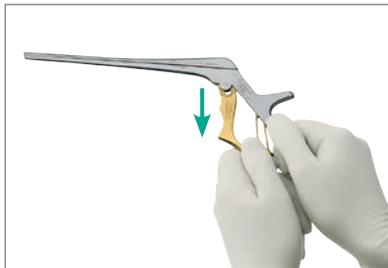
AESCULAP® KERRISON

DETACHABLE BONE PUNCHES

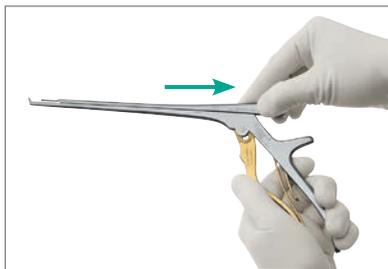
DISASSEMBLY IN 3 STEPS:



1. | Unhook the spring from the rear handle.



2. | Close the handle completely and pull the inner handle downwards.



3. | Pull back the slider to remove.

(Assembly see page 4)

- | >80 detachable KERRISON models
- | 130° /90° upbiting
- | with standard /thin footplate
- | Standard /large jaw punches

DETACHABLE



EJECTOR
for removal of punched-out material.

» ADVANTAGES:

- | Disassembly and assembly without tools.
- | Easier verification of cleaning success due to less overlapping surfaces.



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 the identification of the two matching components during assembly.

1,5

LARGE NUMBER
for identification of jaw width (in mm) at a glance.

GOLDEN SPRING
The detachable bone punches are identified by their golden spring.

AESCULAP
FK923R
STAINLESS 1,5 mm / 180 mm



PRODUCT NUMBER AND DATA MATRIX
for single instrument tracking.

THIN FOOT PLATE
KERRISON Noir® punches with a thin footplate are identified by their golden inner handle.

DETACHABLE

AESCALAP® KERRISON

DETACHABLE BONE PUNCHES

JAW POSITION 130°, UPWARDS

Length	Width	Footplate					
		Standard		Standard		Thin	
		Standard	(mm)	Large	(mm)	Standard	(mm)
180 mm	1.0 mm	FK900R	(8)	-	-	FK906R	(8)
	1.5 mm	FK911R	(9)	-	-	FK923R	(9)
	2.0 mm	FK901R	(9)	FK971R	(15)	FK907R	(9)
	2.5 mm	FK912R	(10)	-	-	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)	-	-	-	-
200 mm	1.0 mm	FK960R	(8)	-	-	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)	-	-	FK929R	(8)
	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)	-	-	FK980R	(8)
	2.0 mm	FK986R	(9)	-	-	FK976R	(9)
	3.0 mm	FK987R	(10)	-	-	FK977R	(10)
	4.0 mm	FK988R	(12)	-	-	FK978R	(12)
	5.0 mm	FK989R	(12)	-	-	FK979R	(12)

JAW POSITION 130°, DOWNWARDS

Length	Width	Footplate					
		Standard		Standard		Thin	
		Standard	(mm)	Large	(mm)	Standard	(mm)
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)	-	-	-	-
	5.0 mm	FK934R	(12)	-	-	-	-

**JAW POSITION 130°,
DOWNWARDS**

Length	Width	Footplate Standard	Jaw opening Standard (mm)
230 mm	2.0 mm		FK943R (9)
	3.0 mm		FK944R (10)

**JAW POSITION 90°,
UPWARDS**

Length	Width	Footplate Standard	Jaw opening Standard (mm)
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)

**JAW POSITION 90°,
DOWNWARDS**

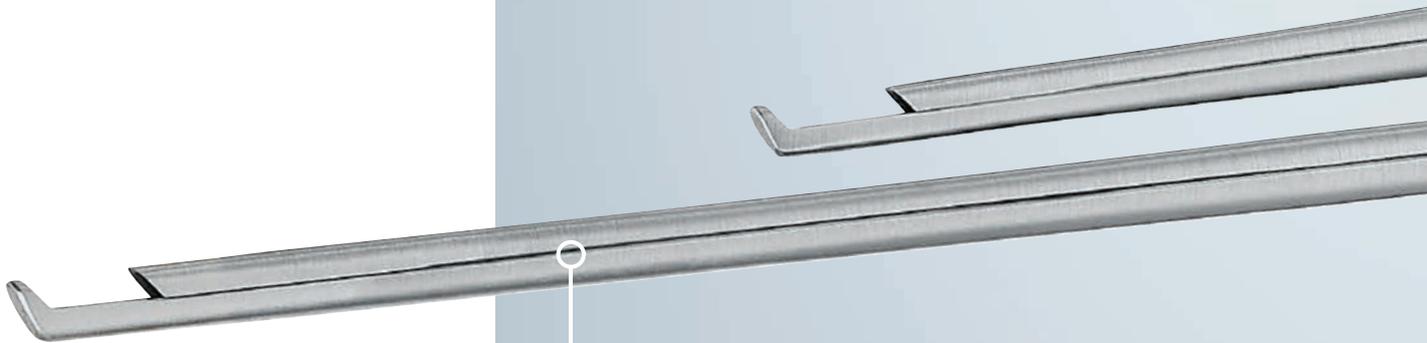
Length	Width	Footplate Standard	Jaw opening Standard (mm)
180 mm	1.0 mm		FK954R (8)
	2.0 mm		FK955R (9)
	3.0 mm		FK956R (10)
	4.0 mm		FK957R (12)
	5.0 mm		FK958R (12)

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® KERRISON

NON-DETACHABLE BONE PUNCHES

PROVEN

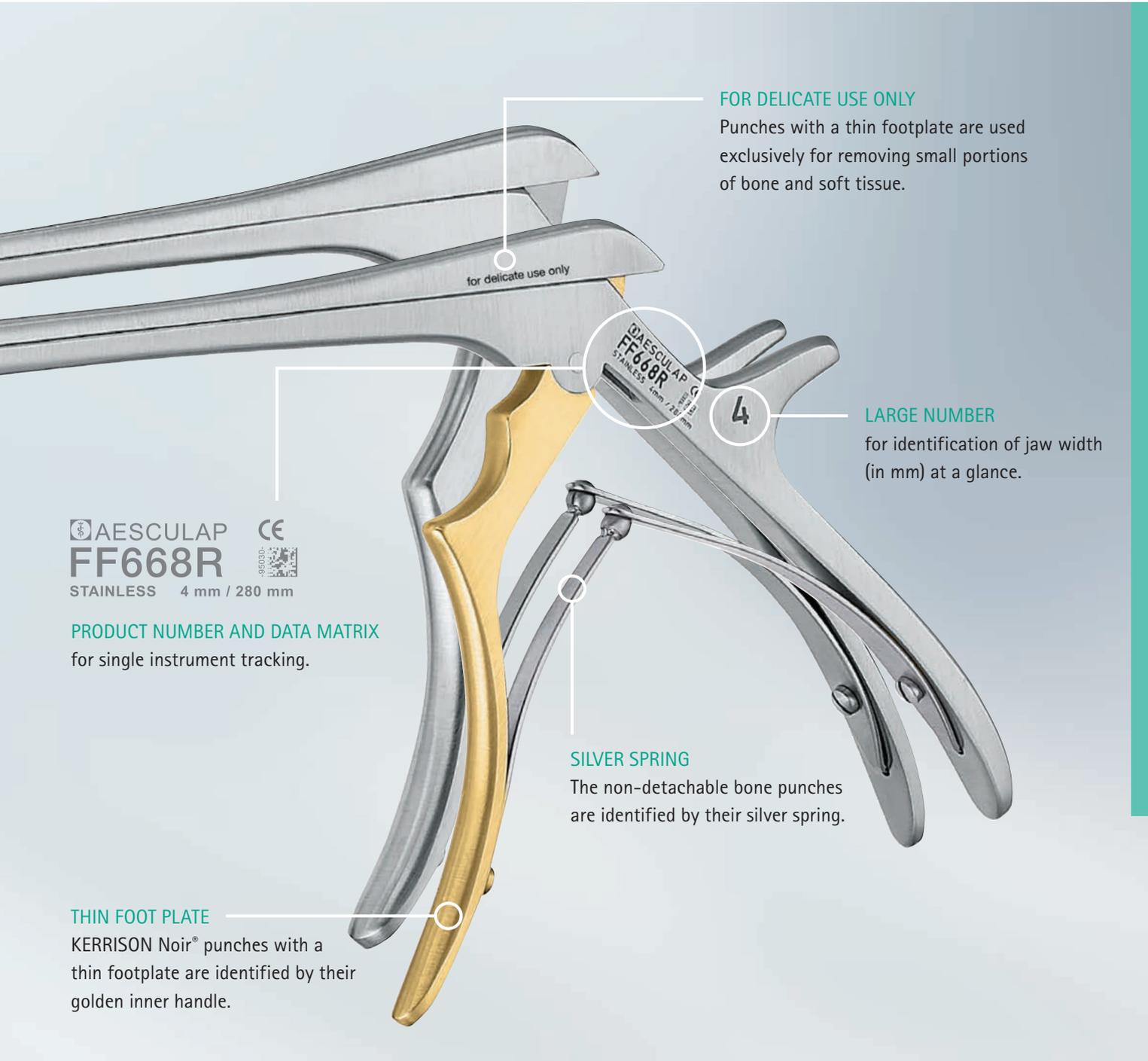


EXTRA-LONG VERSION

This 280 mm punch completes the portfolio.

When the situation requires extra reach, this long punch can offer reserves for bridging the distance.

- >80 non-detachable KERRISON models
- 130° / 90° upbiting / downbiting
- with standard / thin footplate
- Standard / large jaw punches



FOR DELICATE USE ONLY

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

LARGE NUMBER

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

AESCULAP
FF668R
STAINLESS 4 mm / 280 mm

PRODUCT NUMBER AND DATA MATRIX
for single instrument tracking.

SILVER SPRING

The non-detachable bone punches are identified by their silver spring.

THIN FOOT PLATE

KERRISON Noir® punches with a thin footplate are identified by their golden inner handle.

PROVEN

AESCULAP® KERRISON

NON-DETACHABLE BONE PUNCHES

JAW POSITION 130°, UPWARDS

Length	Width	Footplate					
		Standard		Standard		Thin	
		Standard	(mm)	Large	(mm)	Standard	(mm)
180 mm	1.0 mm	FF715R	(8)	-	-	FF771R	(8)
	1.5 mm	FF638R	(9)	-	-	FF645R	(9)
	2.0 mm	FF717R	(9)	FF677R	(15)	FF772R	(9)
	2.5 mm	FF639R	(10)	-	-	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)	-	-	-	-
200 mm	1.0 mm	FF691R	(8)	-	-	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)	-	-	FF734R	(8)
	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	-	-	-	-	FF673R	(8)
	2.0 mm	FF686R	(9)	-	-	FF666R	(9)
	3.0 mm	FF687R	(10)	-	-	FF667R	(10)
	4.0 mm	FF688R	(12)	-	-	FF668R	(12)
	5.0 mm	FF689R	(12)	-	-	FF669R	(12)

JAW POSITION 130°, DOWNWARDS

Length	Width	Footplate					
		Standard		Standard		Thin	
		Standard	(mm)	Large	(mm)	Standard	(mm)
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)	-	-	-	-
	5.0 mm	FF725R	(12)	-	-	-	-

JAW POSITION 130°, DOWNWARDS

Length	Width	Footplate Standard	Jaw opening Standard (mm)
230 mm	2.0 mm		FF692R (9)
	3.0 mm		FF693R (10)

JAW POSITION 90°, UPWARDS

Length	Width	Footplate Standard	Jaw opening Standard (mm)
180 mm	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)

JAW POSITION 90°, DOWNWARDS

Length	Width	Footplate Standard	Jaw opening Standard (mm)
180 mm	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)

Non-detachable KERRISON punches don't have an ejector.

Width (mm)	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0
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AESFULAP® KERRISON

SPECIAL BONE PUNCHES (NON-DETACHABLE)

In addition to standard punches, AESFULAP® offers a portfolio of special bone punches for various surgical situations.

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

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

SPECIAL

CURVED KERRISON PUNCH

Classic non-detachable bone punch with an upbiting curved jaw for the removal of bone material in difficult to access areas (i.e. in-between the vertebral arches).

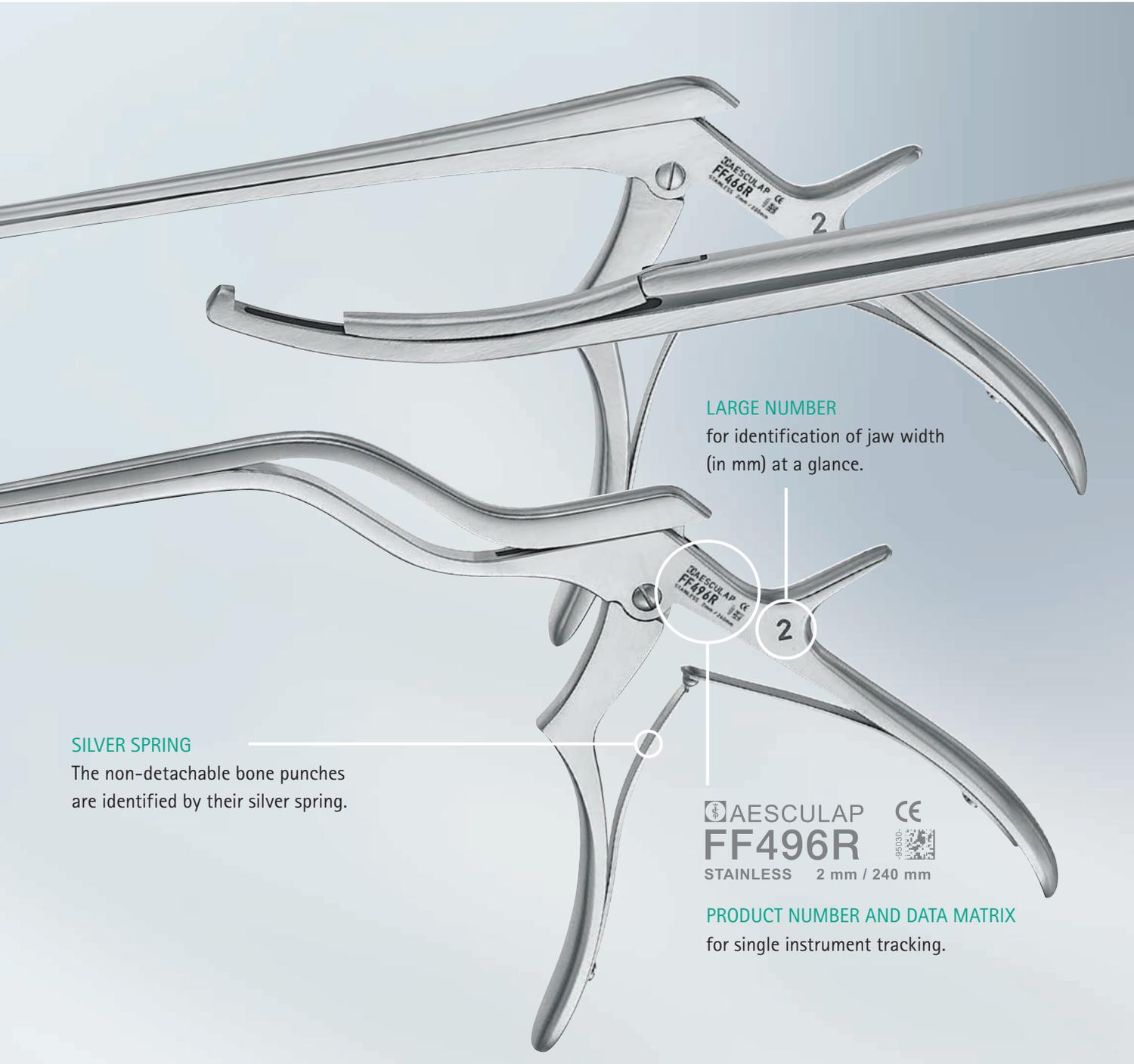
BAYONET-SHAPED KERRISON PUNCH

Classic non-detachable bayonet-shaped bone punch for a less obstructed view on the operating area.

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



- Extra long – 12 KERRISON models



LARGE NUMBER
for identification of jaw width
(in mm) at a glance.

SILVER SPRING
The non-detachable bone punches
are identified by their silver spring.

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

PRODUCT NUMBER AND DATA MATRIX
for single instrument tracking.



Intermediate sizes – 30 KERRISON models



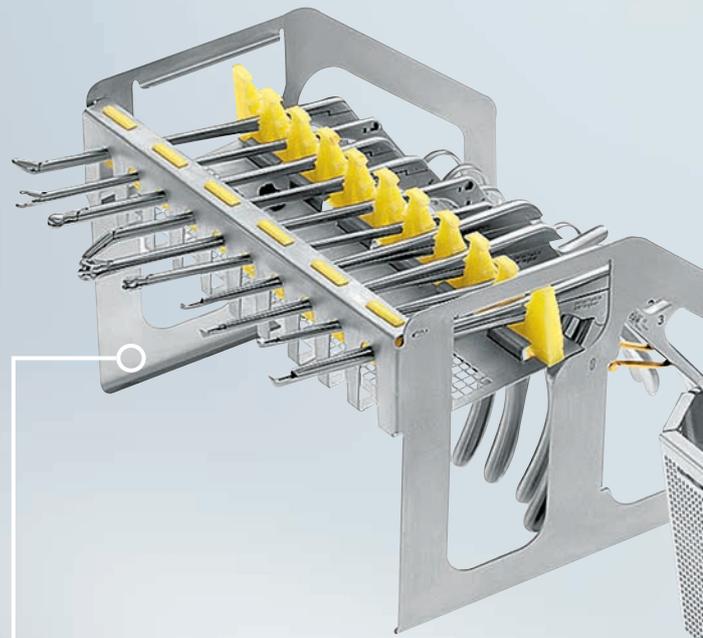
Large jaw – 36 KERRISON models

AESFULAP® KERRISON

AESFULAP® INSTRUMENT ORGANISATION SYSTEM

- Special Storage frame JF120R for bone punches available
- Fully compatible with the AESFULAP® Instrument Organisation System

AESFULAP® InOS



JF120R
STORAGE FRAME FOR BONE PUNCHES
for storage during and after sterilization.

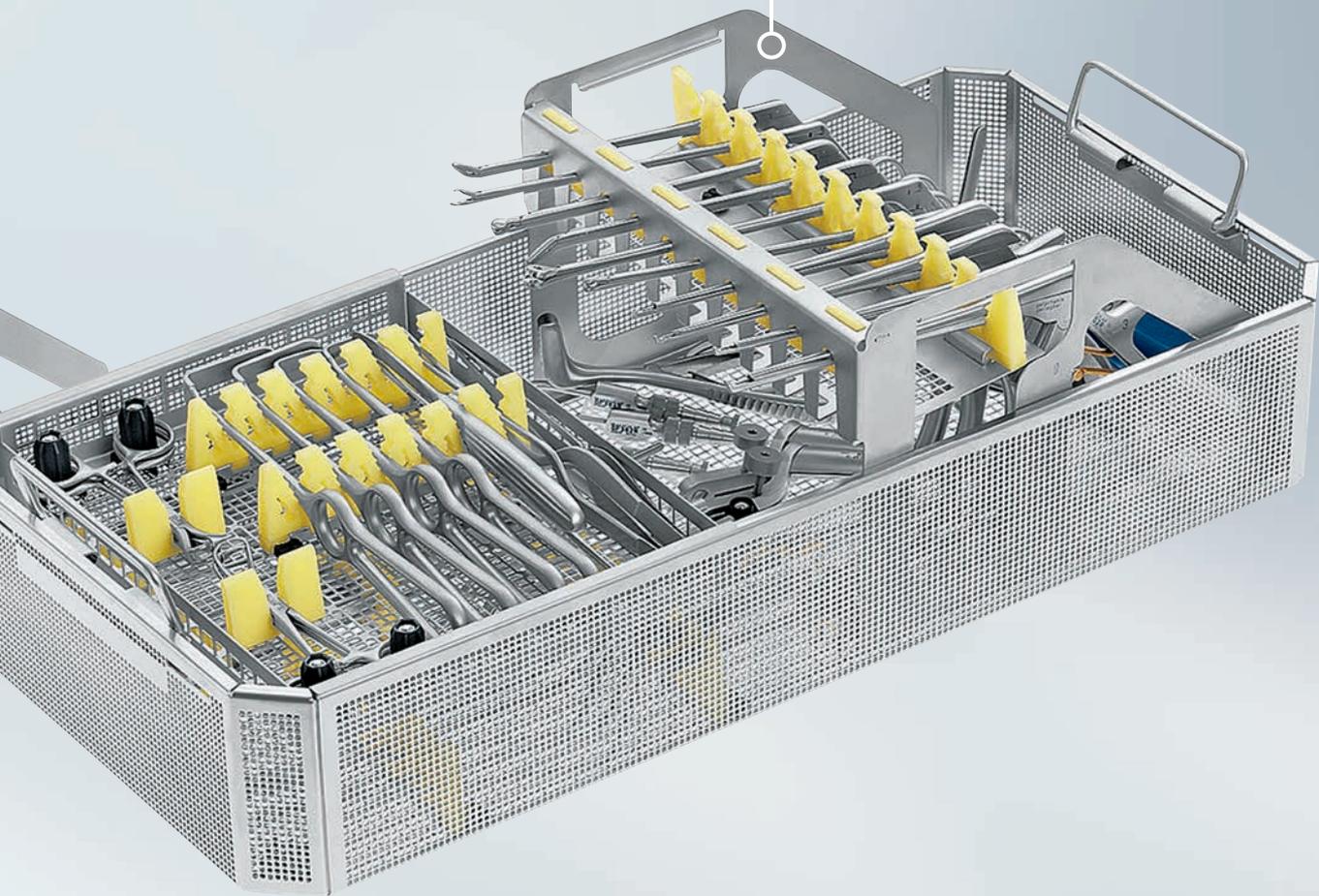


» FURTHER INFORMATION:

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

APPLICATION EXAMPLE

Transsphenoidal hypophysectomy set.



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

AESFULAP® KAIRison®

PNEUMATIC BONE PUNCH

» THE BENEFITS

- Reduces physical effort required (2)
- Very good cutting properties (2)
- Disassembly enables efficient reprocessing
- Two-level safety mechanism
- Suitable for right- and left-handed use

» 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.

PNEUMATIC

SAFETY

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



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 to its original position – without punching. To cut bone, apply full pressure to the trigger.



» TECHNOLOGY THAT MAKES LIFE EASIER.



TO LOCK AND OPEN
for 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.

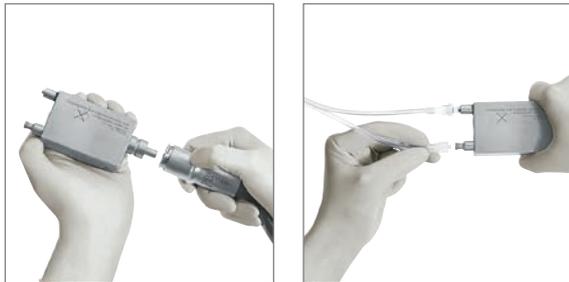
AIR ON TAP

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

AESCU LAP® KAIRison®

PNEUMATIC BONE PUNCH

SETUP IN JUST THREE 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. Check if the shaft is positioned correctly.



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

Further information in the KAIRison® short guide poster C25511.

SHAFT REPLACEMENT



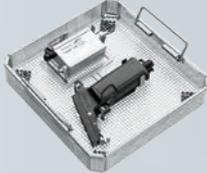
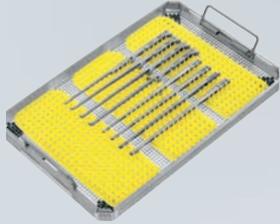
1. | Pull the hook (1) and turn the shaft (2).



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”.

	Art no. / Description FK899R Pneumatic punch handle		Art no. / Description FK881R Storage rack for KAIRison® handle and pressure reducer
Punch bracket pressure reducer  Pressure reducer	FK898R Pressure reducer FK887R Punch bracket pressure reducer		FK891R Storage rack for KAIRison® shafts
	FK888SU Disposable tube (3 m) Sales unit: PAK = Package of 10 tubes	 	GA466R Pneumatic hose (5 m) with AESCULAP® – Dräger connection GA468R Pneumatic hose (5 m) with AESCULAP® – Schrader connection



Length	Punch 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	✓

AESCULAP[®] – a B. Braun brand

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