

Instruments for Revision Surgery

CE 0482

Explanation of Pictograms			
	Manufacturer		Article number
	Material number		Product meets the applicable requirements, which are regulated in the EU harmonization legislation for the affixing of the CE marking.

Instruments for Revision Surgery

Instruments

02 Instrument Sets for Revision Surgery

07 General Instruments

14 Additional Instruments

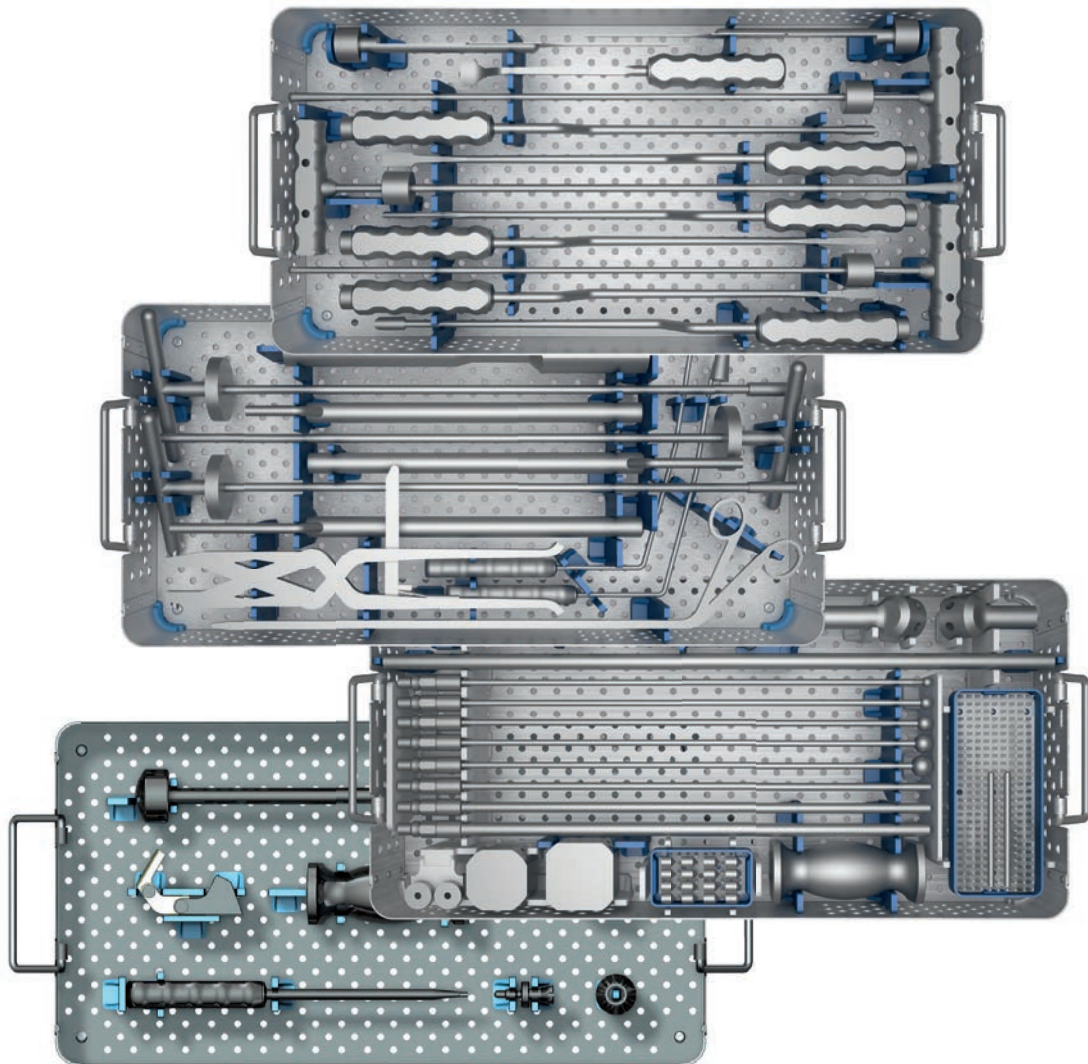
20 Literature

More information

Instructions for Cleaning and Maintenance

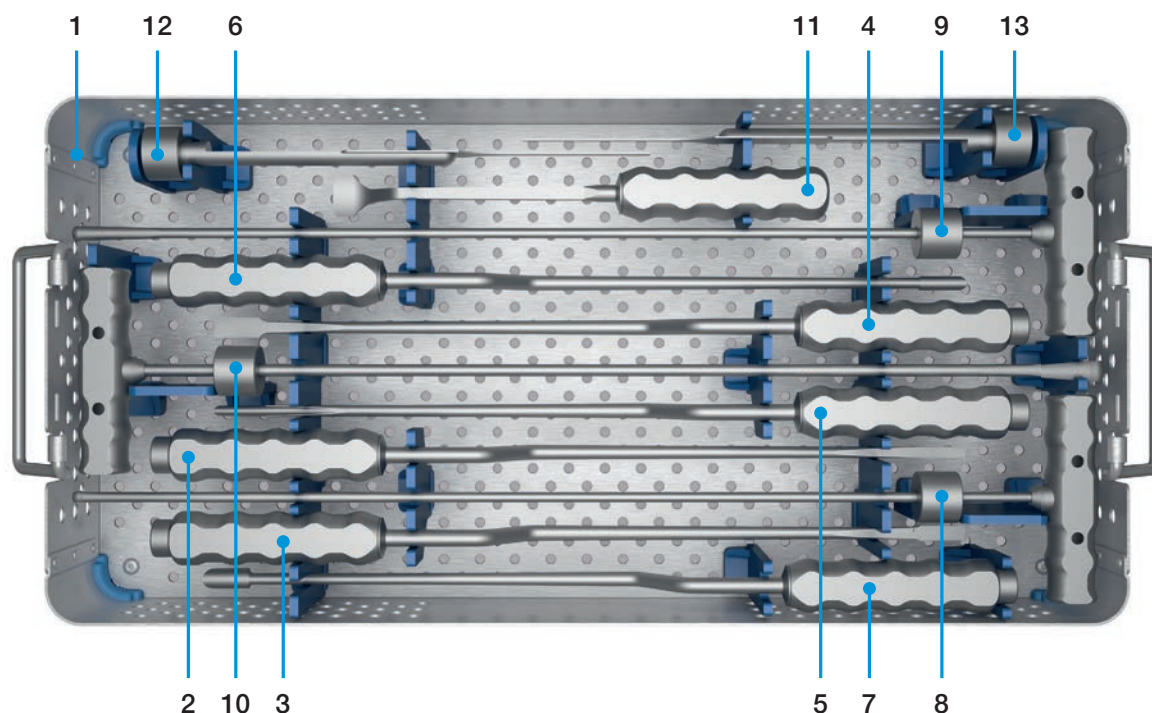
Important Information

Instrument Set for Revision Surgery

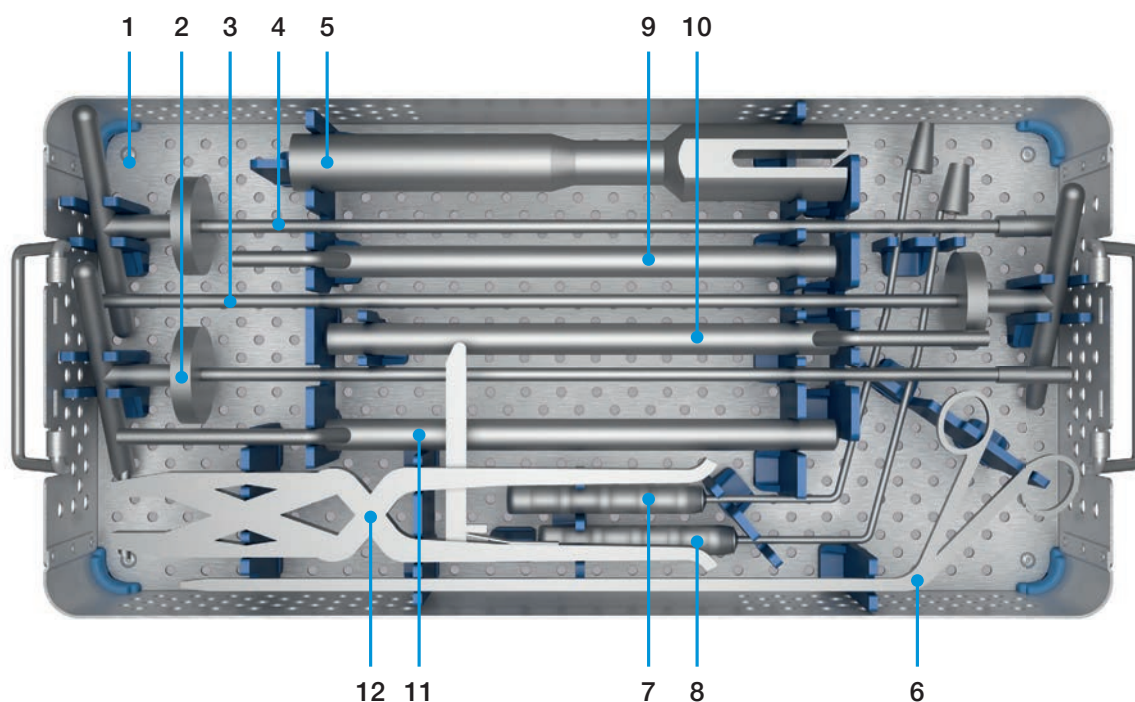


REF	
	Instrument set for revision surgery
130-698/14	Revision Instrument Set Chisels
130-698/15	Revision Instrument Set for Cement Extraction
130-698/16	Revision Instrument Set for Stem Extraction
130-252/00	Revision Instrument Set for Extraction

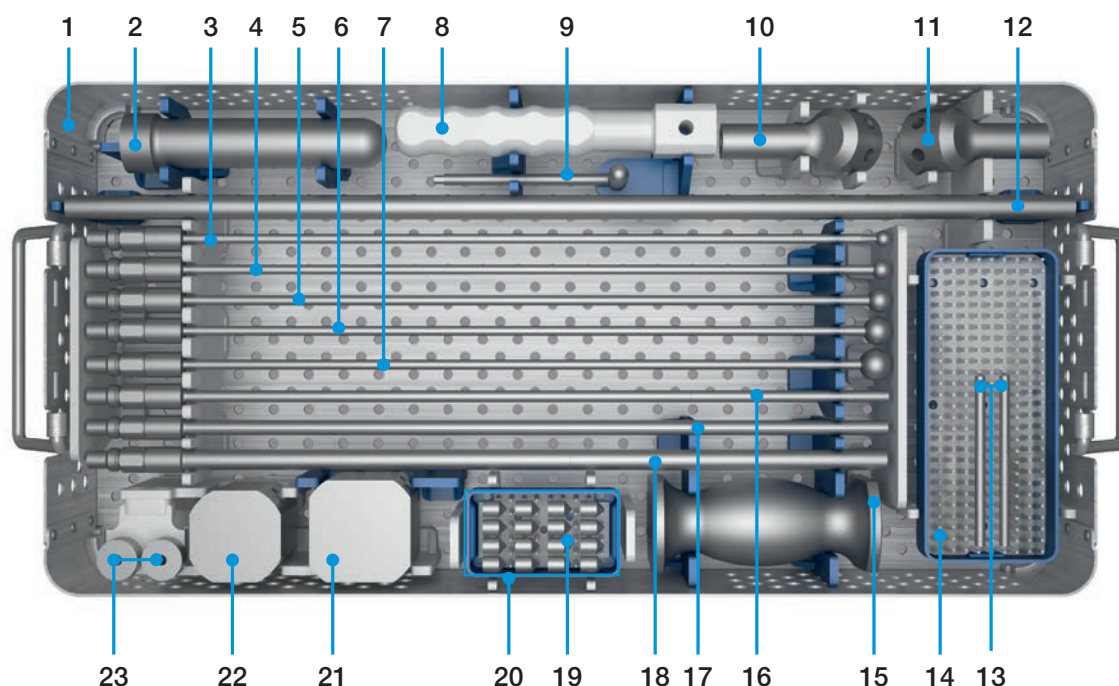
130-698/14 Revision Instrument Set Chisels



	REF	Description	Qty.
1	130-698/11	Instrument Tray , empty	1
2	130-780	Bone Cement Chisel , bayonet-shaped, L = 400 mm, W = 5 mm	1
3	130-781	Bone Cement Chisel , bayonet-shaped, L = 400 mm, W = 7 mm	1
4	130-782	Bone Cement Chisel , bayonet-shaped, L = 400 mm, W = 10 mm	1
5	130-783	Bone Cement Gouge , bayonet-shaped, L = 400 mm, W = 5 mm	1
6	130-784	Bone Cement Gouge , bayonet-shaped, L = 400 mm, W = 7 mm	1
7	130-785	Bone Cement Gouge , bayonet-shaped L = 400 mm, W = 10 mm	1
8	130-775	Retrograde Cement Chisel , L = 500 mm, W = 5 mm	1
9	130-776	Retrograde Cement Chisel , L = 500 mm, W = 7 mm	1
10	130-777	Retrograde Cement Chisel , L = 500 mm, W = 10 mm	1
11	15-1431	Acetabular Cup Gouge , L = 270 mm	1
12	65-1701/04	Osteotome for H-Frames , L = 250 mm, Blade-L = 65 mm, Blade-W 4 mm	1
13	65-1701/06	Osteotome for H-Frames , L = 250 mm, Blade-L = 65 mm, Blade-W 6 mm	1

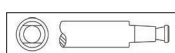
130-698/15 Revision Instrument Set for Cement Extraction


	REF	Description	Qty.
1	130-698/12	Instrument Tray, empty	1
2	130-680	Cement Extractor with T-Handle and strike plate, Ø 7 mm	1
3	130-682	Cement Extractor with T-Handle and strike plate, Ø 9 mm	1
4	130-684	Cement Extractor with T-Handle and strike plate Ø 11 mm	1
5	130-686	Slotted Driver, L = 270 mm	1
6	130-744	Cement Grasping Forceps, L = 430 mm	1
7	130-676	Drill Guide for twist drill, Ø 6 mm	1
8	130-678	Drill Guide for twist drill, Ø 8 mm	1
9	130-654	Prosthesis Extraction Driver, L = 300 mm	1
10	130-656	Prosthesis Extraction Driver, L = 330 mm	1
11	130-658	Prosthesis extraction Driver, L = 360 mm	1
12	130-750	Extraction Forceps, L = 290 mm	1

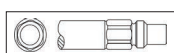
130-698/16 Revision Instrument Set for Stem Extraction


	REF	Description	Qty.
1	130-698/13	Instrument Tray , empty	1
2	15-1436/13	Handle	1
3	130-720B*	Ball Reamer , L = 400 mm, fittings optional* Ø 8 mm	1
4	130-724B*	Ball Reamer , L = 400 mm, fittings optional* Ø 10 mm	1
5	130-728B*	Ball Reamer , L = 400 mm, fittings optional* Ø 12 mm	1
6	130-732B*	Ball Reamer , L = 400 mm, fittings optional* Ø 14 mm	1
7	130-736B*	Ball Reamer , L = 400 mm, fittings optional* Ø 16 mm	1
8	15-1137/10	Guide Handle for Ball Reamers, L = 160 mm	1
9	15-1436/11	Hex Screw Driver , with T-handle for Fixation Screws	1
10	15-1436/04	Hub for Taper, 12/14 mm	1
11	15-1436/05	Hub for Taper, 14/16 mm	1
12	15-1436/12	Stem for Extraction-Instrument	1
13	15-1436/09	Metal Drill , Ø 5 mm, L = 85 mm	2
14	319-602/30	Sterilizing Box , middle	1
15	15-1436/14	Slaphammer	1
16	130-662B*/**	Twist Drill , L = 400 mm, fittings optional* Ø 6 mm	1
17	130-666B*/**	Twist Drill , L = 400 mm, fittings optional* Ø 8 mm	1
18	130-670B*/**	Twist Drill , L = 400 mm, fittings optional* Ø 10 mm	1
19	15-1436/06	Fixation Screws	16
20	319-601/30	Sterilizing Box , small	1
21	15-1436/03	Hub for Ballhead, Ø 28 - 33 mm	1
22	15-1436/02	Hub for Ballhead, Ø 35 - 38 mm	1
23	15-1436/10	Drill Guide	2

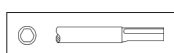
How to order: 130-720B* = with Hudson fitting



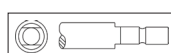
B* = Hudson



D* = AO

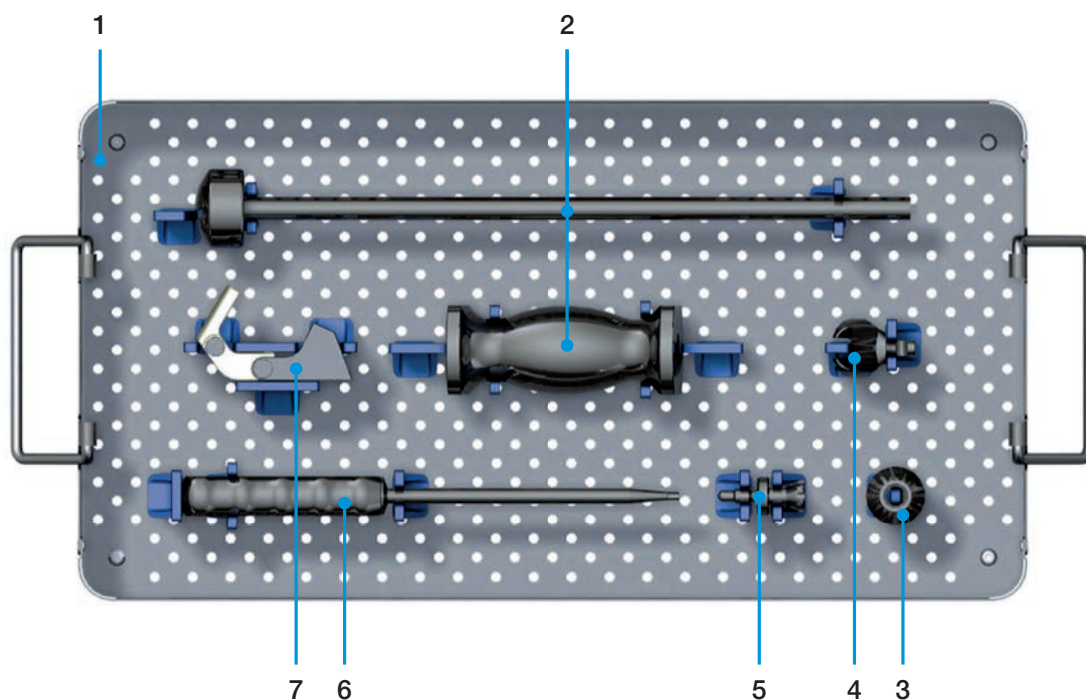


E* = Jacobs Chuck



C** = Harris

130-252/00 Revision Instrument Set for Extraction



	REF	Description	Qty.
1	175-700	Instrument Tray , empty	1
2	317-661	Guide Rod with Slap Hammer, L = 365 mm	1
3	175-377	Adapter for Slap Hammer	1
4	175-376	Adapter for Universal Hammer	1
5	175-375	Adapter	1
6	64-8008/02	Hex Screw Driver , SW 3.5 mm, L = 250 mm	1
7	175-370	Stem Extractor	1

General Instruments

15-1436/01 Extraction Instrument Set for prostheses with fixed heads and for prosthesis stems with taper 12/14 mm or taper 14/16 mm

consisting of:

15-1436/02 Hub for Ballhead Ø 28 to 33 mm (Qty. 1)

15-1436/03 Hub for Ballhead Ø 35 to 38 mm (Qty. 1)

15-1436/04 Hub for Taper 12/14 mm (Qty. 1)

15-1436/05 Hub for Taper 14/16 mm (Qty. 1)

15-1436/06 Fixation Screws (Qty. 16)

15-1436/09 Metal Drill
Ø 5 mm, L = 85 mm (Qty. 2)

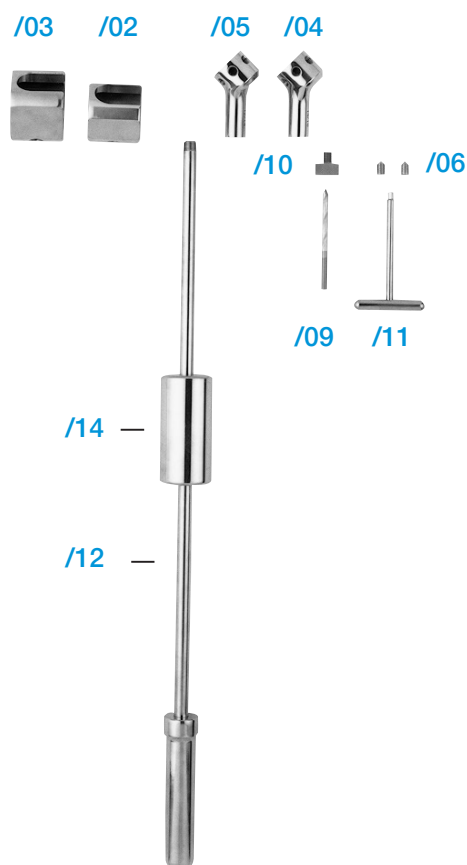
15-1436/10 Drill Guide (Qty. 2)

15-1436/11 Hex Screw Driver
with T-handle for Fixation screws (Qty. 1)

15-1436/12 Stem for Extraction-Instrument (Qty. 1)

15-1436/13 Handle (Qty. 1)

15-1436/14 Slaphammer (Qty. 1)



To extract a modular stem the matching cylindrical fitting is placed over the taper. Using a drill guide at least two holes are drilled into the taper. The taper is then connected to the extraction instrument with screws driven into the prepared holes. Hard blows with the slaphammer are usually sufficient to free the modular stem.



The correct fitting is placed over the prosthesis head. The head is then removed, either complete with the stem or alone if the prosthesis is modular, using quick hard blows of the slaphammer.



Prosthesis Extraction Drivers

bayonet-shaped, 8 mm diameter

REF	Tip length mm	Overall mm
130-654	30	300
130-656	60	330
130-658	90	360

Prosthesis extraction drivers are designed to remove femoral prostheses through a window made in the femur at a point distal to the stem.

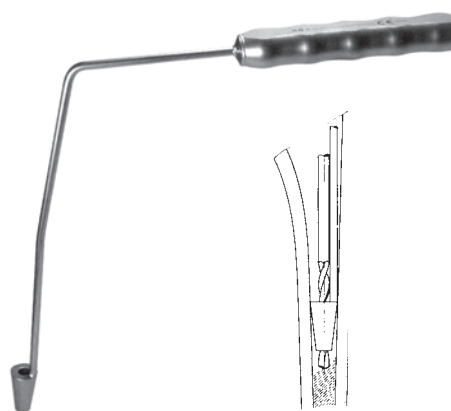


The driver with the shortest tip is used first, followed by those with medium and long tips in this sequence.

Drill Guides for twist drill

REF	Twist drill Ø mm
130-676	6
130-678	8

The drill guide ensures that the twist drill remains centralized when drilling into the cement base.



130-750 Extraction Forceps

L = 290 mm

The jaws of these forceps are equipped with sharp external pins to firmly grip the internal wall of the acetabular cup to be extracted.



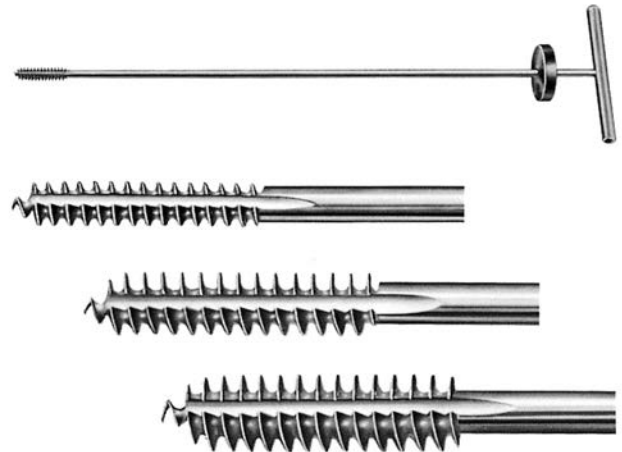
INFORMATION:

The Extraction Forceps is only intended for extracting UHMWPE acetabular cups.

Cement Extractors

with T-Handle and strike plate, used with slotted driver 130-686

REF	Ø mm	Twist drill Ø mm
130-680	7	6
130-682	9	8
130-684	11	10



After drilling a centered hole in the cement, the corresponding cement extractor is screwed in. The cement block is then removed with short, hard taps. Either the slotted driver or the special mallet is used depending on the situation.



130-686 Slotted Driver

L = 270 mm



130-744 Cement Grasping Forceps

working length 350 mm, overall length 430 mm



The flat, slim jaws of these forceps make them particularly effective in reaching and removing residual bone cement particles.

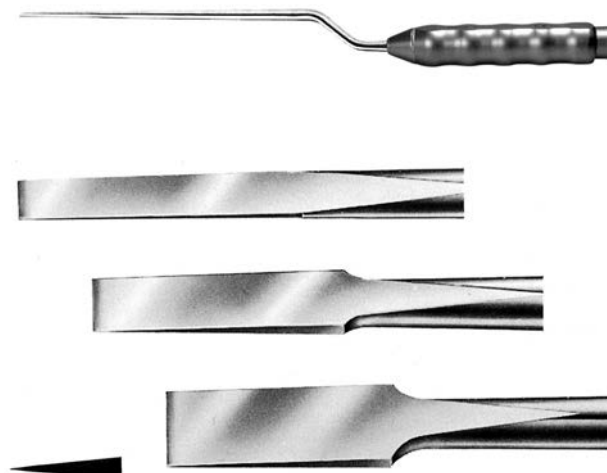


Bone Cement Chisels

bayonet-shaped, osteotome bevelled, 400 mm

REF	Width mm
130-780	5
130-781	7
130-782	10

The bayonet-shaped shafts of these chisels allow the surgeon a better overall view of the operating area during removal of bone cement from the medullary canal. The metal shaft runs all the way through the metal handle. Hitting the end thus ensures the direct transmission of impact to the cement.

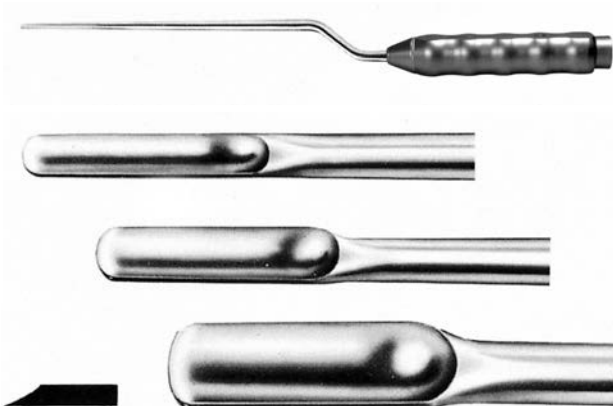


Bone Cement Gouges

inside bevel, bayonet-shaped, L = 400 mm

REF	Width mm
130-783	5
130-784	7
130-785	10

The gouges have an internal bevel. This ensures that the chisel blade remains at the junction between cement and bone and does not drift into the middle of the medullary cavity.



Retrograde Cement Chisels

with retrograde blade, L = 500 mm

REF	Width mm
130-775	5
130-776	7
130-777	10

Retrograde cement chisels are designed for scraping residual cement from the walls of the medullary cavity using brief, sharp blows of the slotted hammer to the driving plate. The handle at their end enables the surgeon to guide the chisel with ease and precision.



15-1431 Acetabular Cup Gouge

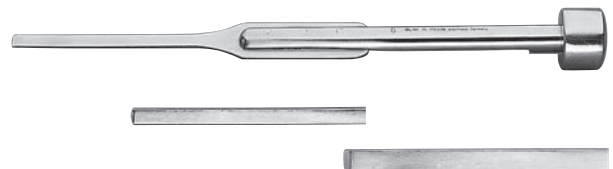
inside bevel, off-set
width 20 mm, L = 270 mm

The Acetabular Cup Gouge is specially shaped to facilitate removal of cement-fixed acetabular components.

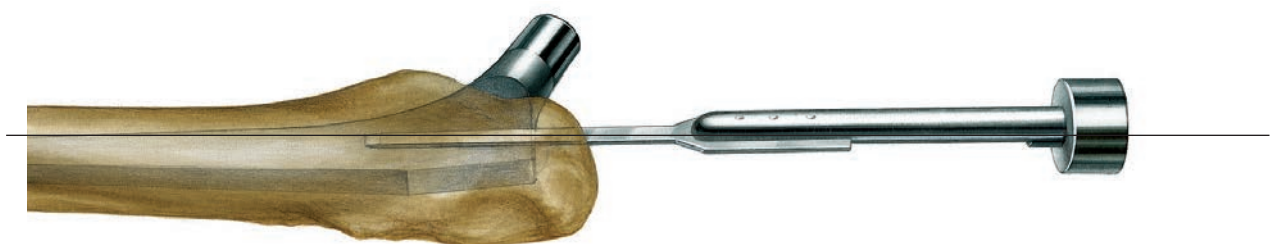


Osteotomes for H-Frames, L = 250 mm

REF	Blade width mm	Blade length mm
65-1701/04	4	65
65-1701/06	6	65



The thin-bladed osteotomes are particularly suitable for revision operations because of their razor-type blade with which it is possible to cut the bone/cement border deep inside the femoral canal.



Ball Reamers, 400 mm, fittings optional*

REF	Ø mm
130-720B*	8
130-724B*	10
130-728B*	12
130-732B*	14
130-736B*	16



* Please specify fitting: see page 05

The extra long ball reamers may be used to ream cement layers and to remove cement islands in the distal femoral cavity.

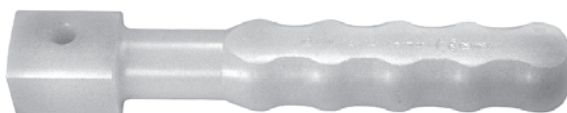


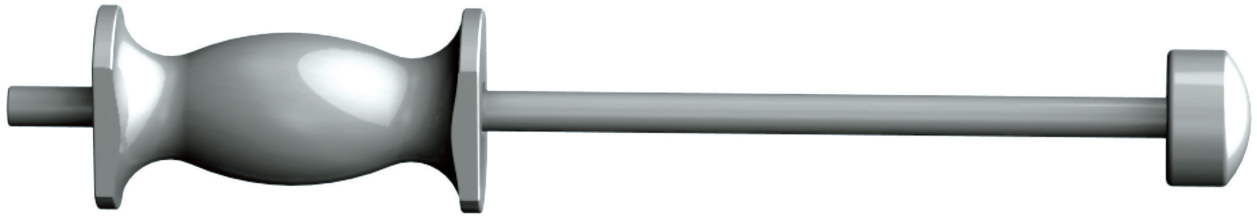
Reaming of the cement mantle with a set of extra long ball reamers. The surgeon must be able to see into the femoral canal during reaming.



15-1137 Guide Handle

for Ball Reamers 130-720 to 130-736,
L = 160 mm





317-661 Guide Rot
with Slap Hammer, L = 365 mm

175-376 Adapter
for Universal Hammer



175-377 Adapter
for Slap Hammer



175-375 Adapter



175-370 Stem Extractor



64-8008/02 Hex Screw Driver
SW 3.5 mm, L = 250 mm

Bone Cement Chisels,

bayonet-shaped, single-sided bevel, L = 400 mm

REF	Width mm
15-1440/05	5
15-1440/07	7
15-1440/10	10



Bone Cement Chisels, straight, L = 310 mm

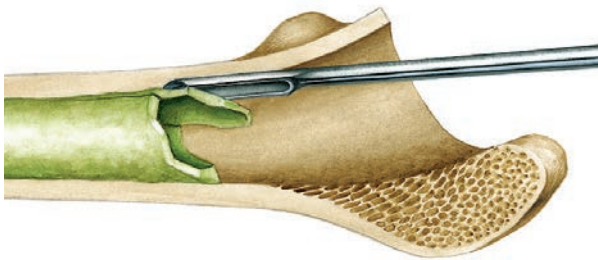
REF	Width mm
130-690	5
130-692	7
130-694	10



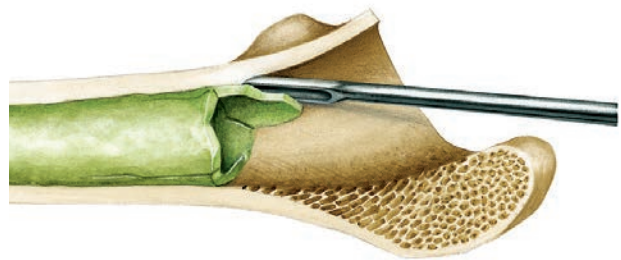
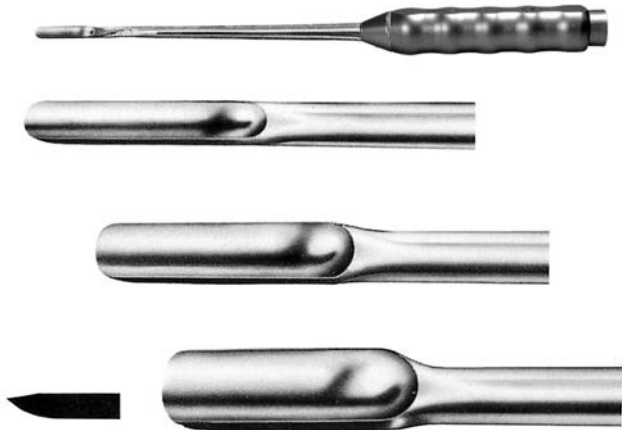
Bone Cement Gouges,

bevelled outer edge, straight, L = 310 mm

REF	Width mm
130-700	5
130-702	7
130-704	10



Gouges with a bevelled inner edge are used to cut between bone and cement. They are not suitable for leverage and may deviate into the bone.



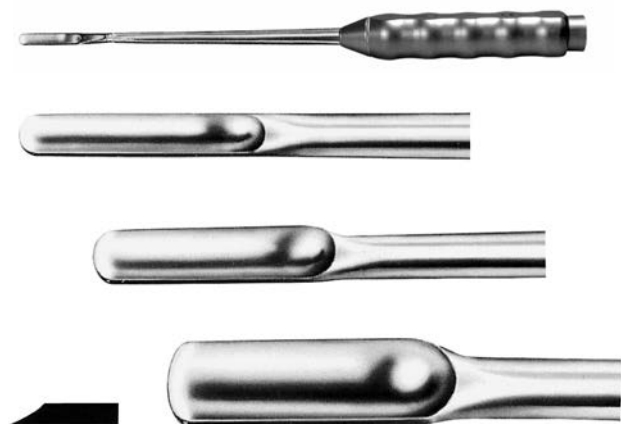
Gouges with a bevelled outer edge are more difficult to use than those with an internal bevel but they allow leverage and deviate less easily into the bone.

Bone Cement Gouges,

bevelled inner edge, straight, L = 310 mm

REF	Width mm
130-710	5
130-712	7
130-714	10

For removing cement block and/or residual cement during revision.



Blade Chisel with Sheath, L = 250 mm

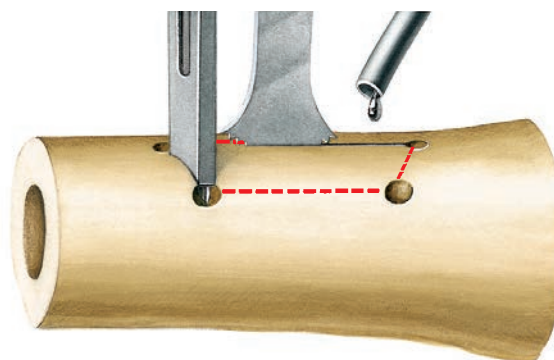
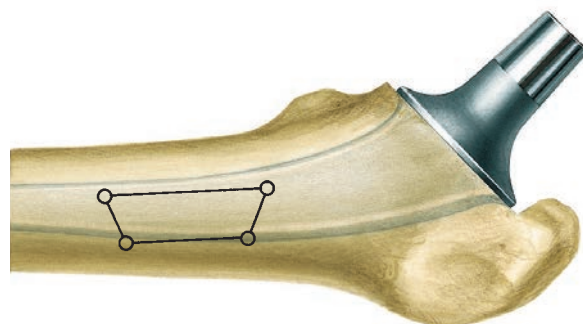
REF	Width mm	Working length mm
65-1700/04	4	65
65-1700/06	6	65
65-1700/20	20	65
65-1700/25	25	65



Replacement Blades, only

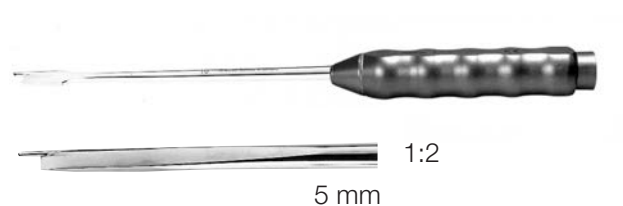
REF	Width mm
65-1702/04	4
65-1702/06	6
65-1702/20	20
65-1702/25	25

The thin-bladed sheathed osteotomes are recommended where fenestration of the femur is necessary to allow stem removal. The area of the fenestration is marked with drill holes prior to osteotomy.

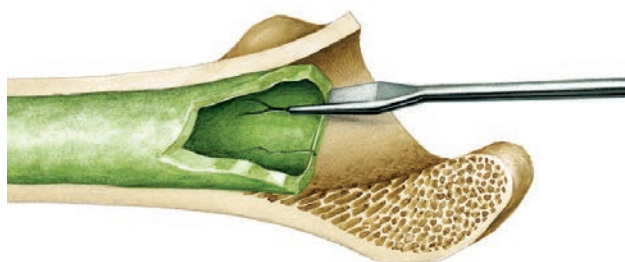


Bone Cement Splitting Chisels, straight, L = 310 mm

REF	Width mm
130-787/05	5
130-787/10	10



After the stem has been extracted the bone cement splitting chisel is used to cut the cement mantle radially into individual segments which are easily removable.



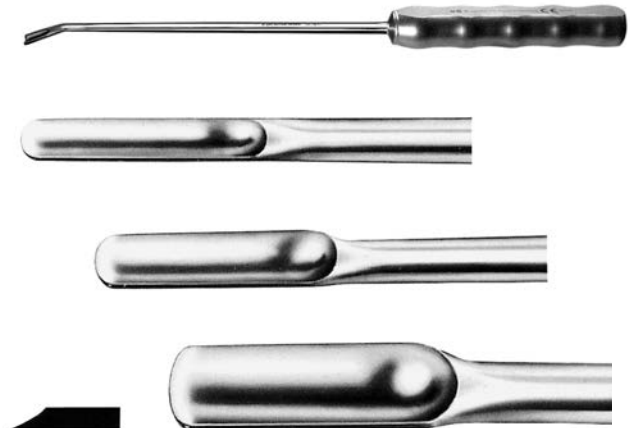
Bone Cement Splitting Chisels, bayonet-shaped, L = 400 mm

REF	Width mm
130-786/05	5
130-786/10	10

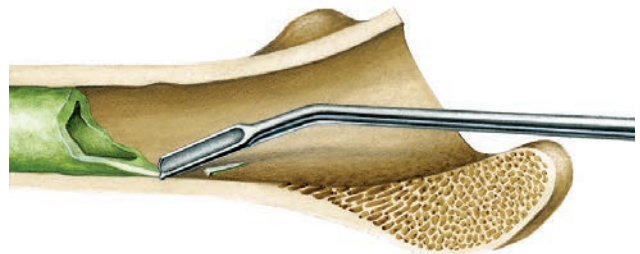


Gouges, with bevelled inner edge and distally angled shaft, L = 400 mm

REF	Width mm
130-796/05	5
130-796/07	7
130-796/10	10



The bevelled inner edge enables these gouges to cut extremely thin cement slivers.

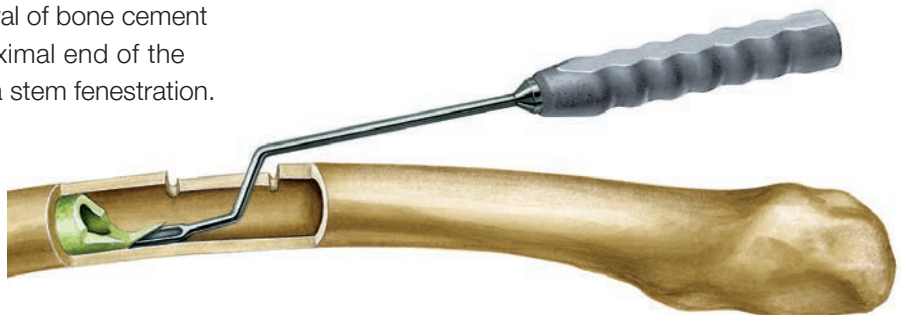


Gouges, with bevelled inner edge and distally angled bayonet shaped shaft, L = 400 mm

REF	Width mm
130-797/05	5
130-797/07	7
130-797/10	10



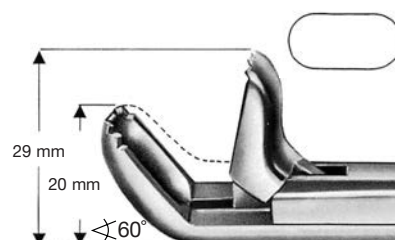
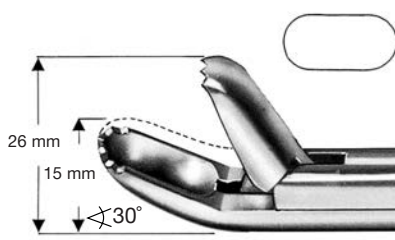
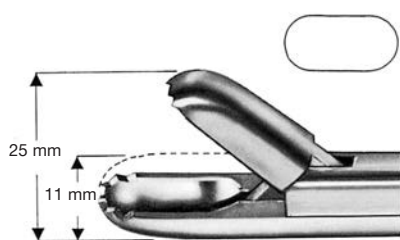
These gouges are used for removal of bone cement which is not visible from the proximal end of the bone. They are inserted through a stem fenestration.



Cement Rongeurs

8 x 17 mm, shaft length 300 mm

REF	Version
130-745	straight
130-746	angulated 30° upwards
130-747	angulated 60° upwards



The different cement rongeurs are used to remove cement remnants from the medullary canal. Stable construction and frontal serration of the rongeurs' jaws allow powerful manipulations so that even firmly fixed islets of bone cement can be removed.

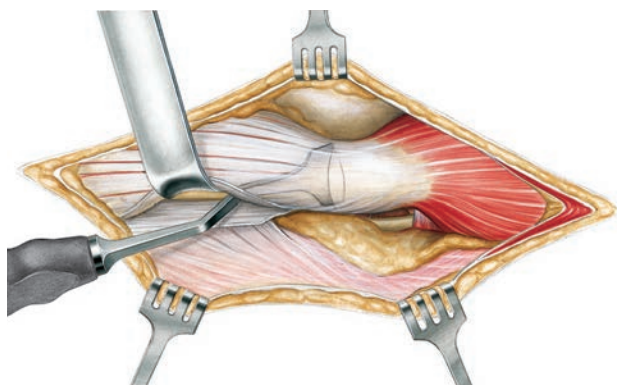
15-1040 Lexer Gouge,

bayonet-shaped, 30 mm wide, L = 230 mm



15-1041 Lexer Gouge,

bayonet-shaped, 45 mm wide, L = 275 mm



The bayonet-shaped Lexer Gouges are primarily used to detach the trochanter attachments of the gluteal tendon. This trochanteric approach protects the soft tissues between greater trochanter and vastus lateralis.



For more information please register for our LINK Media Library (link-ortho.com)

Instructions for Cleaning and Maintenance

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2. For the processing of LINK instruments, it is presumed that the personnel have technical knowledge level I (Germany) and in other countries technical knowledge and expertise.
3. Medical devices that are sent in for servicing must be processed beforehand in such a way that they cannot constitute a hazard to third parties.
4. Products made of plastic (e.g. polyamide (PA), polyethylene (PE), polyoxymethylene (POM), ultra-high molecular weight polyethylene (UHMWPE)) may not be localizable using external imaging procedures.
5. Instruments are not allowed to be implanted.
6. Traceability is important.
Please use the documentation stickers provided to ensure traceability.
7. Further information on the material composition is available on request from the manufacturer.

Follow the instructions for use!

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