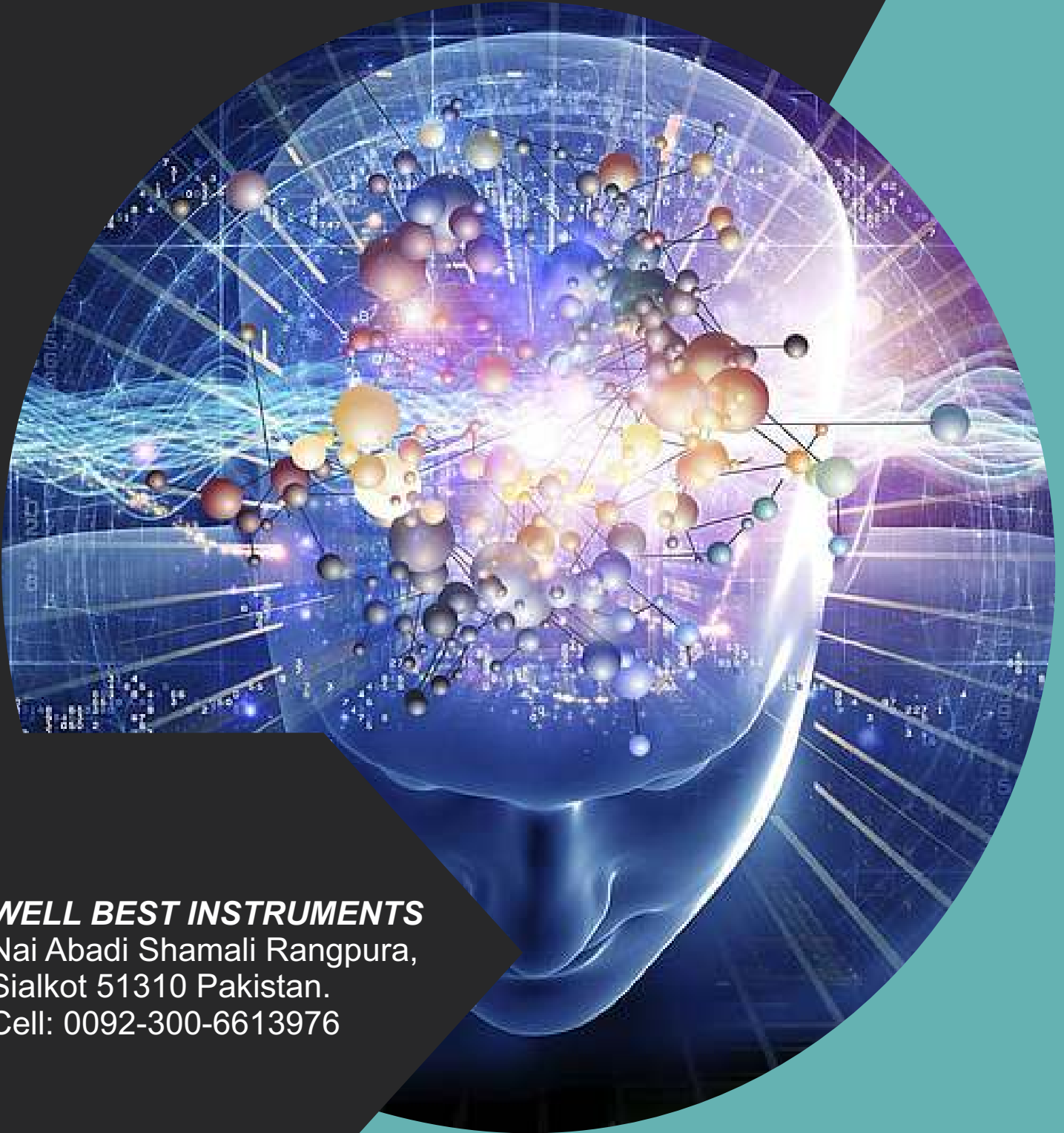




Neuro & Spinal Surgery

A catalogue of our instruments



WELL BEST INSTRUMENTS
Nai Abadi Shamali Rangpura,
Sialkot 51310 Pakistan.
Cell: 0092-300-6613976

Introduction

Eggzicome Industries family has manufactured high quality surgical, dental, manicure, and veterinary instruments to the world market for over a century. More than 30 years ago, **Eggzicome Industries** established its own sales and marketing facilities in the Pakistan. Through constant innovation, we continue to provide the highest quality instruments and unparalleled service to meet and exceed all of our customer's needs.

Our customer base spans across the Pakistan, as well as globally. Although we have an extensive customer base, we continue to treat each customer with individual attention. We are a smaller firm that deals direct with manufacturer and therefore can offer competitive pricing and take pride in giving a more personalized service. We view ourselves as an extension of your department and will go to great lengths to find the instruments you require. We will provide competitive pricing on any brand or manufacturer. We will do our best to work with your budget, and inventory any items upon request.

Among surgical, dental, manicure, and veterinary instruments, sell a variety of surgical, dental, manicure, and veterinary instruments here at **Eggzicome Industries**. We have handpicked some of the industry's top products designed to relieve pain, increase range of motion, and get people back on their feet as quick as possible. These products are used by physical therapists, occupational therapists, athletic trainers, chiropractors, and the average person daily all over the world.

We primarily distribute German manufactured, German stainless steel surgical, dental, manicure, and veterinary instruments. All instruments have a LIFETIME GUARANTEE on material workmanship.

Thanks and regards,

Process of Instruments

Steel the quality of steel is very important in the production of quality instruments. The best you select the best you produce. In order to ensure the finest of quality steel, we have imported or best quality local steel as required by valued customers.

Forging is a process of cutting shaped raw instruments with the help of dyes and hammers. Here, the skilled hands give life to the metal and give it the rudimentary shape that will go through series of complicated processes.

Forging Inspection at this stage, forged tools are checked to ensure no piece contains any cracks or is reshaped beyond acceptable limits. Checking the quality of raw instruments for: -
a. Shape fault b. Broken

Machining in this process forging is cut or shaped by machines i.e. cutting sharp edges and raw material in the shape. Here instruments are given their shape through grinding and hammers. For this purpose, extremely skilled labor is required and this process is carried out by instrument specialists only.

Milling drilling of holes in the instruments where required for screws. Different kinds of screwing machines are used and instruments are made pairs here. Instruments with even the slightest difference in whole positions will suffer otherwise.

Inspection at this stage, all the instruments is inspected not only for machining and milling, but for every process they've been through. It's the stage where only best instruments are selected and instruments with tiny holes and manufacturing faults are again sorted out.

Filling at this stage the steel is not too hard so filling is used to shape the instruments in the exact shape they are required to be. The workers match the shape exactly with the samples provided at this stage. So the instruments get most of their shapes at this stage.

Filling Inspection after filling the inspection is made and measurements and shapes are checked according to samples.

Binding and Temper at this step the instruments are bound in groups of 12 pieces. Then they put them in temper machine, which is filled with a particular material. Here instruments are tempered and its ensured that every instrument get equal heat and treatment so a consistent quality would achieve.

Snuffing Fitting for scissors and forceps they are in two pieces so they are joined in this process with screw. Forceps (Tweezers) are joined before and their joint is leveled with a machine by burning the raw material on the joint. At the same stage, instruments are filled to eliminate welding suspensions.

Plant or Heat Treatment in this process the instruments are dipped in a material by hanging for five minutes to harden the material.

Polishing instruments is polished at this stage. Till this point at manufacturing stage, all the necessary shaping is done. Polishing makes every millimeter of instrument clear and any instrument with hidden defects are revealed could be sorted out.

Process of Instruments

Eggzicome Industry Inspection 2% of each lot of instruments is checked by executives and then goes the further processing. In inspection they see each and every part and defective parts are marked with red marker and if rejected send to polishing again.

Ultrasonic cleaning in this process the instruments are dipped in two materials for cleaning the polish raw thing on it. One min. for first material and then for half min. for other material. Ultrasonic cleaning cleans any polishing material stuck and leaves the instrument crystal clear.

Lubrication all the instruments involving screws are lubricated at this step. Lubricating the instruments moveable portions facilitates the instrument movement.

Tuck checking In this process workers check the cuts and all other things just by viewing the instruments individually.

Etching putting each instrument on stamp pad and burning process to put stamp on each instrument. This stamping procedure is done through electronic etching machines that make the stamp reliable and even sustainable under high boiling temperatures when instruments are sterilized.

Cleaning and Checking instruments are cleaned and checked again one by one. Again it's the checking for operation, measurements, polish and usability.

Eggzicome Industry Inspection 4 % of the instruments is inspection by SSE Directors. Samples for inspection are taken randomly and are observed to every bit of detail. Even the slightest difference from acceptable standards could result in rejection of whole lot.

Packing in boxes each contains 100 pieces. 10 Boxes in an each Carton. Here instruments are packed with respect to sizes and types. Instruments boxes are properly labeled and stored in proper storing environment.

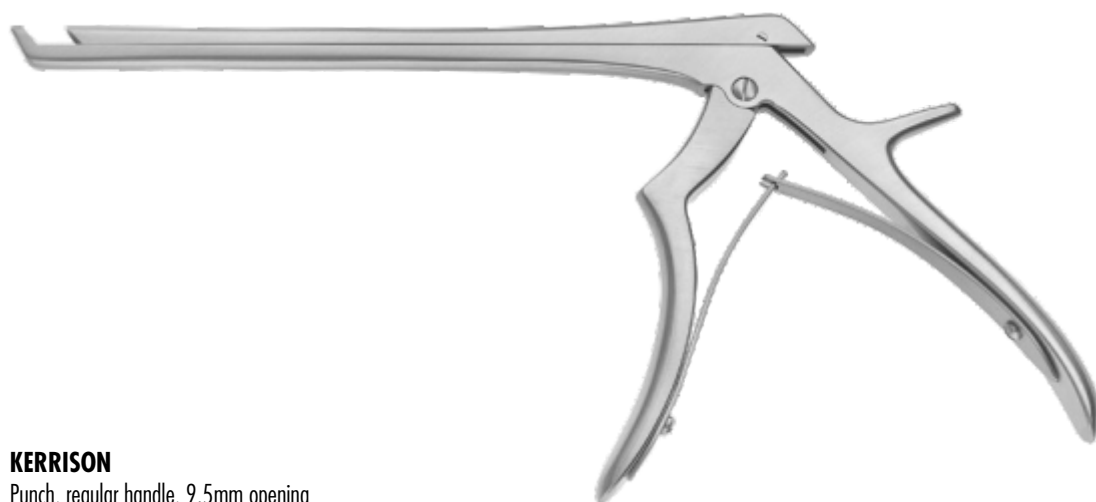
Labeling is put in this process.

Storage by lot and order number

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Kerrison Punches



KERRISON

Punch, regular handle, 9.5mm opening



40° upwards cutting
180mm, 7"

1mm	WBI-400-181
2mm	WBI-400-182
3mm	WBI-400-183
4mm	WBI-400-184
5mm	WBI-400-185
6mm	WBI-400-186

200mm, 8"

1mm	WBI-400-201
2mm	WBI-400-202
3mm	WBI-400-203
4mm	WBI-400-204
5mm	WBI-400-205
6mm	WBI-400-206

230mm, 9"

1mm	WBI-400-231
2mm	WBI-400-232
3mm	WBI-400-233
4mm	WBI-400-234
5mm	WBI-400-235
6mm	WBI-400-236



90° upwards cutting
180mm, 7"

1mm	WBI-410-181
2mm	WBI-410-182
3mm	WBI-410-183
4mm	WBI-410-184
5mm	WBI-410-185
6mm	WBI-410-186

200mm, 8"

1mm	WBI-410-201
2mm	WBI-410-202
3mm	WBI-410-203
4mm	WBI-410-204
5mm	WBI-410-205
6mm	WBI-410-206

230mm, 9"

1mm	WBI-410-231
2mm	WBI-410-232
3mm	WBI-410-233
4mm	WBI-410-234
5mm	WBI-410-235
6mm	WBI-410-236



40° downwards cutting
180mm, 7"

1mm	WBI-420-181
2mm	WBI-420-182
3mm	WBI-420-183
4mm	WBI-420-184
5mm	WBI-420-185
6mm	WBI-420-186

200mm, 8"

1mm	WBI-420-201
2mm	WBI-420-202
3mm	WBI-420-203
4mm	WBI-420-204
5mm	WBI-420-205
6mm	WBI-420-206

230mm, 9"

1mm	WBI-420-231
2mm	WBI-420-232
3mm	WBI-420-233
4mm	WBI-420-234
5mm	WBI-420-235
6mm	WBI-420-236



90° downwards cutting
180mm, 7"

1mm	WBI-430-181
2mm	WBI-430-182
3mm	WBI-430-183
4mm	WBI-430-184
5mm	WBI-430-185
6mm	WBI-430-186

200mm, 8"

1mm	WBI-430-201
2mm	WBI-430-202
3mm	WBI-430-203
4mm	WBI-430-204
5mm	WBI-430-205
6mm	WBI-430-206

230mm, 9"

1mm	WBI-430-231
2mm	WBI-430-232
3mm	WBI-430-233
4mm	WBI-430-234
5mm	WBI-430-235
6mm	WBI-430-236

Kerrison Punches



KERRISON

Punch, large handle,
15.5mm opening

40° upwards cutting
180mm, 7"

1mm	WBI-450-181
2mm	WBI-450-182
3mm	WBI-450-183
4mm	WBI-450-184
5mm	WBI-450-185
6mm	WBI-450-186

200mm, 8"

1mm	WBI-450-201
2mm	WBI-450-202
3mm	WBI-450-203
4mm	WBI-450-204
5mm	WBI-450-205
6mm	WBI-450-206

230mm, 9"

1mm	WBI-450-231
2mm	WBI-450-232
3mm	WBI-450-233
4mm	WBI-450-234
5mm	WBI-450-235
6mm	WBI-450-236

90° upwards cutting
180mm, 7"

1mm	WBI-460-181
2mm	WBI-460-182
3mm	WBI-460-183
4mm	WBI-460-184
5mm	WBI-460-185
6mm	WBI-460-186

200mm, 8"

1mm	WBI-460-201
2mm	WBI-460-202
3mm	WBI-460-203
4mm	WBI-460-204
5mm	WBI-460-205
6mm	WBI-460-206

230mm, 9"

1mm	WBI-460-231
2mm	WBI-460-232
3mm	WBI-460-233
4mm	WBI-460-234
5mm	WBI-460-235
6mm	WBI-460-236

40° downwards cutting
180mm, 7"

1mm	WBI-470-181
2mm	WBI-470-182
3mm	WBI-470-183
4mm	WBI-470-184
5mm	WBI-470-185
6mm	WBI-470-186

200mm, 8"

1mm	WBI-470-201
2mm	WBI-470-202
3mm	WBI-470-203
4mm	WBI-470-204
5mm	WBI-470-205
6mm	WBI-470-206

230mm, 9"

1mm	WBI-470-231
2mm	WBI-470-232
3mm	WBI-470-233
4mm	WBI-470-234
5mm	WBI-470-235
6mm	WBI-470-236

90° downwards cutting
180mm, 7"

1mm	WBI-480-181
2mm	WBI-480-182
3mm	WBI-480-183
4mm	WBI-480-184
5mm	WBI-480-185
6mm	WBI-480-186

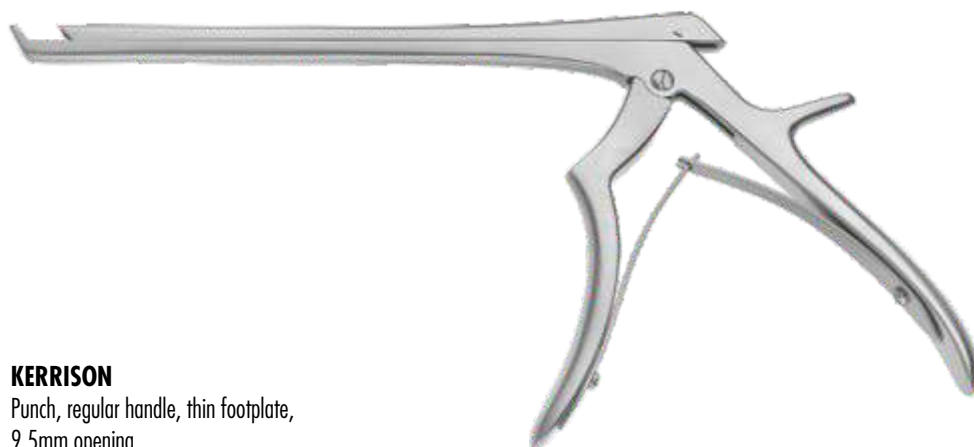
200mm, 8"

1mm	WBI-480-201
2mm	WBI-480-202
3mm	WBI-480-203
4mm	WBI-480-204
5mm	WBI-480-205
6mm	WBI-480-206

230mm, 9"

1mm	WBI-480-231
2mm	WBI-480-232
3mm	WBI-480-233
4mm	WBI-480-234
5mm	WBI-480-235
6mm	WBI-480-236

Kerrison Punches



KERRISON

Punch, regular handle, thin footplate,
9.5mm opening

40° upwards cutting
180mm, 7"

1mm	WBI-401-181
2mm	WBI-401-182
3mm	WBI-401-183
4mm	WBI-401-184
5mm	WBI-401-185

200mm, 8"

1mm	WBI-401-201
2mm	WBI-401-202
3mm	WBI-401-203
4mm	WBI-401-204
5mm	WBI-401-205

230mm, 9"

1mm	WBI-401-231
2mm	WBI-401-232
3mm	WBI-401-233
4mm	WBI-401-234
5mm	WBI-401-235

90° upwards cutting
180mm, 7"

1mm	WBI-411-181
2mm	WBI-411-182
3mm	WBI-411-183
4mm	WBI-411-184
5mm	WBI-411-185

200mm, 8"

1mm	WBI-411-201
2mm	WBI-411-202
3mm	WBI-411-203
4mm	WBI-411-204
5mm	WBI-411-205

230mm, 9"

1mm	WBI-411-231
2mm	WBI-411-231
3mm	WBI-411-231
4mm	WBI-411-231
5mm	WBI-411-231

40° downwards cutting
180mm, 7"

1mm	WBI-421-181
2mm	WBI-421-182
3mm	WBI-421-183
4mm	WBI-421-184
5mm	WBI-421-185

200mm, 8"

1mm	WBI-421-201
2mm	WBI-421-202
3mm	WBI-421-203
4mm	WBI-421-204
5mm	WBI-421-205

230mm, 9"

1mm	WBI-421-231
2mm	WBI-421-231
3mm	WBI-421-231
4mm	WBI-421-231
5mm	WBI-421-231

90° downwards cutting
180mm, 7"

1mm	WBI-431-181
2mm	WBI-431-182
3mm	WBI-431-183
4mm	WBI-431-184
5mm	WBI-431-185

200mm, 8"

1mm	WBI-431-201
2mm	WBI-431-202
3mm	WBI-431-203
4mm	WBI-431-204
5mm	WBI-431-205

230mm, 9"

1mm	WBI-431-231
2mm	WBI-431-231
3mm	WBI-431-231
4mm	WBI-431-231
5mm	WBI-431-231

Kerrison Punches



KERRISON

Punch, regular handle, superflat footplate



180mm, 7"
40° upwards cutting

1mm	WBI-400-181SF
1.5mm	WBI-400-189SF
2mm	WBI-400-182SF
3mm	WBI-400-183SF
4mm	WBI-400-184SF
5mm	WBI-400-185SF
6mm	WBI-400-186SF

180mm, 7"
40° upwards cutting,
standard ejector

2mm	WBI-400-182ESF
3mm	WBI-400-183ESF
4mm	WBI-400-184ESF
5mm	WBI-400-185ESF
6mm	WBI-400-186ESF

180mm, 7"
40° upwards cutting, CERA-CUT®

1mm	WBI-400-181SFCC
2mm	WBI-400-182SFCC
3mm	WBI-400-183SFCC
4mm	WBI-400-184SFCC
5mm	WBI-400-185SFCC
6mm	WBI-400-186SFCC

200mm, 8"

1mm	WBI-400-201SF
1.5mm	WBI-400-209SF
2mm	WBI-400-202SF
3mm	WBI-400-203SF
4mm	WBI-400-204SF
5mm	WBI-400-205SF
6mm	WBI-400-206SF

200mm, 8"

2mm	WBI-400-202ESF
3mm	WBI-400-203ESF
4mm	WBI-400-204ESF
5mm	WBI-400-205ESF
6mm	WBI-400-206ESF

200mm, 8"

1mm	WBI-400-201SFCC
2mm	WBI-400-202SFCC
3mm	WBI-400-203SFCC
4mm	WBI-400-204SFCC
5mm	WBI-400-205SFCC
6mm	WBI-400-206SFCC

230mm, 9"

1mm	WBI-400-231SF
1.5mm	WBI-400-239SF
2mm	WBI-400-232SF
3mm	WBI-400-233SF
4mm	WBI-400-234SF
5mm	WBI-400-235SF
6mm	WBI-400-236SF

230mm, 9"

2mm	WBI-400-232ESF
3mm	WBI-400-233ESF
4mm	WBI-400-234ESF
5mm	WBI-400-235ESF
6mm	WBI-400-236ESF

230mm, 9"

1mm	WBI-400-231SFCC
2mm	WBI-400-232SFCC
3mm	WBI-400-233SFCC
4mm	WBI-400-234SFCC
5mm	WBI-400-235SFCC
6mm	WBI-400-236SFCC

Kerrison Punches



KERRISON

Punch, regular handle, superflat footplate



180mm, 7"
90° upwards cutting

1mm	WBI-411-181SF
2mm	WBI-411-182SF
3mm	WBI-411-183SF
4mm	WBI-411-184SF
5mm	WBI-411-185SF
6mm	WBI-411-186SF

200mm, 8"

1mm	WBI-411-201SF
2mm	WBI-411-202SF
3mm	WBI-411-203SF
4mm	WBI-411-204SF
5mm	WBI-411-205SF
6mm	WBI-411-206SF

230mm, 9"

1mm	WBI-411-231SF
2mm	WBI-411-232SF
3mm	WBI-411-233SF
4mm	WBI-411-234SF
5mm	WBI-411-235SF
6mm	WBI-411-236SF

180mm, 7"
90° upwards cutting,
standard ejector

2mm	WBI-411-182ESF
3mm	WBI-411-183ESF
4mm	WBI-411-184ESF
5mm	WBI-411-185ESF
6mm	WBI-411-186ESF

200mm, 8"

2mm	WBI-411-202ESF
3mm	WBI-411-203ESF
4mm	WBI-411-204ESF
5mm	WBI-411-205ESF
6mm	WBI-411-206ESF

230mm, 9"

2mm	WBI-411-232ESF
3mm	WBI-411-233ESF
4mm	WBI-411-234ESF
5mm	WBI-411-235ESF
6mm	WBI-411-236ESF

180mm, 7"
90° upwards cutting, CERA-CUT®

1mm	WBI-411-181SFCC
2mm	WBI-411-182SFCC
3mm	WBI-411-183SFCC
4mm	WBI-411-184SFCC
5mm	WBI-411-185SFCC
6mm	WBI-411-186SFCC

200mm, 8"

1mm	WBI-411-201SFCC
2mm	WBI-411-202SFCC
3mm	WBI-411-203SFCC
4mm	WBI-411-204SFCC
5mm	WBI-411-205SFCC
6mm	WBI-411-206SFCC

230mm, 9"

1mm	WBI-411-231SFCC
2mm	WBI-411-232SFCC
3mm	WBI-411-233SFCC
4mm	WBI-411-234SFCC
5mm	WBI-411-235SFCC
6mm	WBI-411-236SFCC

Kerrison Punches



KERRISON

Long Anterior Punch, regular handle,
9.5mm opening,
40° upwards cutting

15.5mm opening,
40° upwards cutting

Slmm, 9⁷/₈"

280mm, 11"

Slmm, 9⁷/₈"

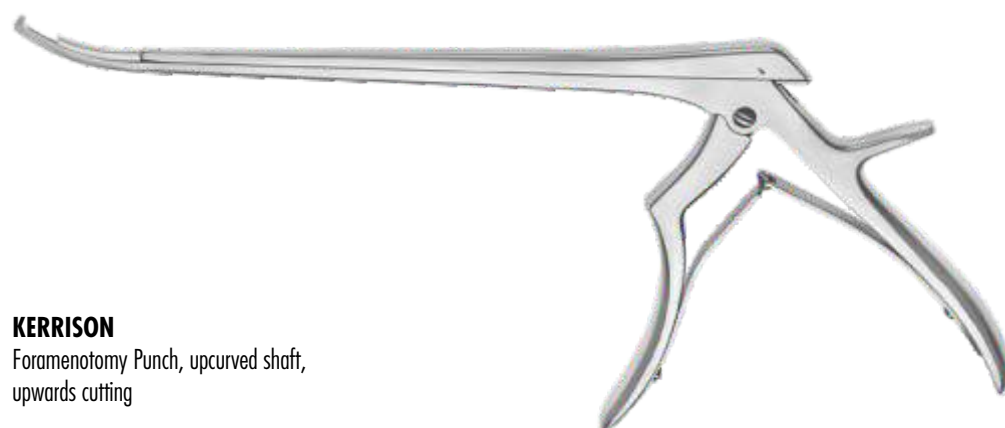
280mm, 11"

2mm	WBI-400-252
3mm	WBI-400-253
4mm	WBI-400-254
5mm	WBI-400-255
6mm	WBI-400-256

2mm	WBI-400-282
3mm	WBI-400-283
4mm	WBI-400-284
5mm	WBI-400-285
6mm	WBI-400-286

2mm	WBI-450-252
3mm	WBI-450-253
4mm	WBI-450-254
5mm	WBI-450-255
6mm	WBI-450-256

2mm	WBI-450-282
3mm	WBI-450-283
4mm	WBI-450-284
5mm	WBI-450-285
6mm	WBI-450-286



KERRISON

Foramenotomy Punch, upcurved shaft,
upwards cutting

180mm, 7"

200mm, 8"

2mm	WBI-728-002
3mm	WBI-728-003
4mm	WBI-728-004

2mm	WBI-728-102
3mm	WBI-728-103
4mm	WBI-728-104

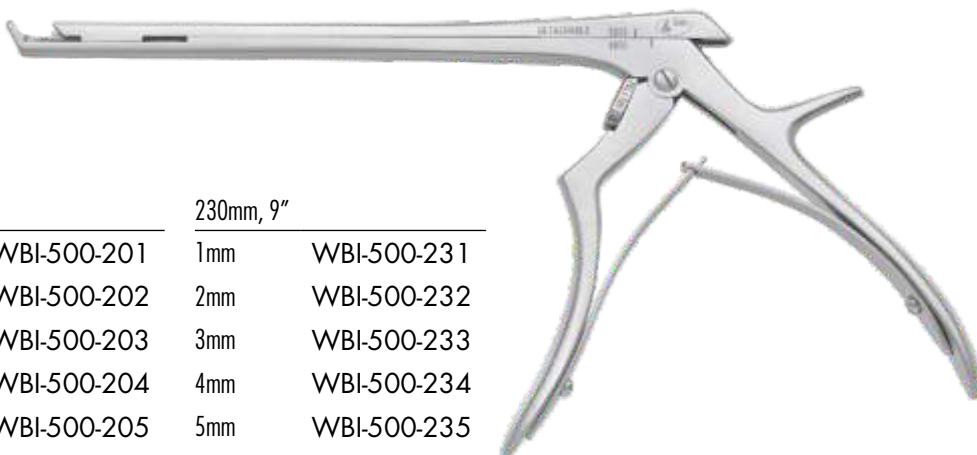
Kerrison Punches

KERRISON

2-piece, detachable Kerrison Punch,
with ejector, 40° upwards cutting,
regular footplate

180mm, 7"		200mm, 8"		230mm, 9"	
1mm	WBI-500-181	1mm	WBI-500-201	1mm	WBI-500-231
2mm	WBI-500-182	2mm	WBI-500-202	2mm	WBI-500-232
3mm	WBI-500-183	3mm	WBI-500-203	3mm	WBI-500-233
4mm	WBI-500-184	4mm	WBI-500-204	4mm	WBI-500-234
5mm	WBI-500-185	5mm	WBI-500-205	5mm	WBI-500-235
6mm	WBI-500-186	6mm	WBI-500-206	6mm	WBI-500-236

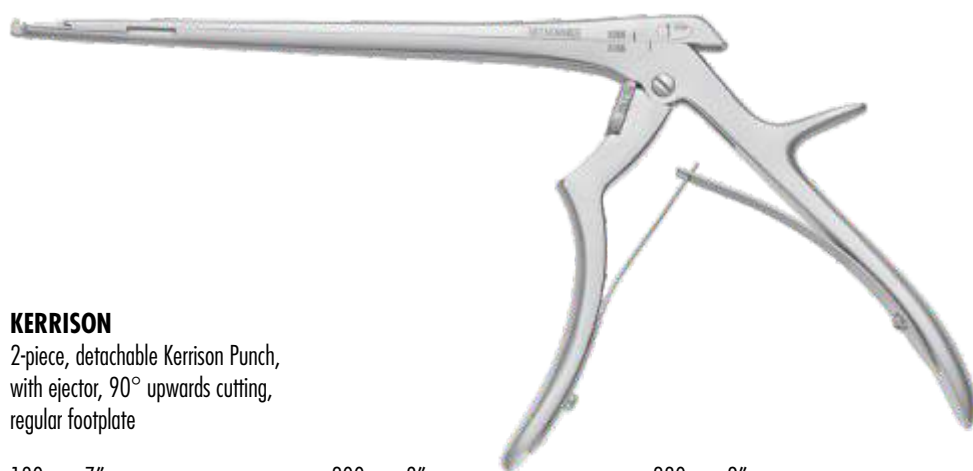
thin footplate 180mm, 7"		thin footplate 200mm, 8"		thin footplate 230mm, 9"	
1mm	WBI-510-181	1mm	WBI-510-201	1mm	WBI-510-231
2mm	WBI-510-182	2mm	WBI-510-202	2mm	WBI-510-232
3mm	WBI-510-183	3mm	WBI-510-203	3mm	WBI-510-233
4mm	WBI-510-184	4mm	WBI-510-204	4mm	WBI-510-234



KERRISON

2-piece, detachable Kerrison Punch,
with ejector, 90° upwards cutting,
regular footplate

180mm, 7"		200mm, 8"		230mm, 9"	
1mm	WBI-590-181	1mm	WBI-590-201	1mm	WBI-590-231
2mm	WBI-590-182	2mm	WBI-590-202	2mm	WBI-590-232
3mm	WBI-590-183	3mm	WBI-590-203	3mm	WBI-590-233
4mm	WBI-590-184	4mm	WBI-590-204	4mm	WBI-590-234
5mm	WBI-590-185	5mm	WBI-590-205	5mm	WBI-590-235
6mm	WBI-590-186	6mm	WBI-590-206	6mm	WBI-590-236



Kerrison Punches



A 360° Foraminotomy Punch
exchangeable shaft, ejector, thin footplate
40° angled

Handle only
WBI-245-000

180mm, 7"		200mm, 8"		230mm, 9"		Slmm, 9 ⁷ / ₈ "	
2mm	WBI-280-182	2mm	WBI-280-202	2mm	WBI-280-232	2mm	WBI-280-252
3mm	WBI-280-183	3mm	WBI-280-203	3mm	WBI-280-233	3mm	WBI-280-253
4mm	WBI-280-184	4mm	WBI-280-204	4mm	WBI-280-234	4mm	WBI-280-254
5mm	WBI-280-185	5mm	WBI-280-205	5mm	WBI-280-235	5mm	WBI-280-255

B 360° Laminectomy Punch
exchangeable shaft, ejector, thin footplate
40° angled

180mm, 7"		200mm, 8"		230mm, 9"		Slmm, 9 ⁷ / ₈ "	
1mm	WBI-210-181	1mm	WBI-210-201	1mm	WBI-210-231	1mm	WBI-210-251
1.5mm	WBI-210-180	1.5mm	WBI-210-200	2mm	WBI-210-232	2mm	WBI-210-252
2mm	WBI-210-182	2mm	WBI-210-202	3mm	WBI-210-233	3mm	WBI-210-253
3mm	WBI-210-183	3mm	WBI-210-203	4mm	WBI-210-234	4mm	WBI-210-254
4mm	WBI-210-183	4mm	WBI-210-204	5mm	WBI-210-235	5mm	WBI-210-255
5mm	WBI-210-185	5mm	WBI-210-205				

C 360° Laminectomy Punch
exchangeable shaft, ejector, thin footplate
90° angled

180mm, 7"		200mm, 8"		230mm, 9"		Slmm, 9 ⁷ / ₈ "	
1mm	WBI-245-181	1mm	WBI-245-201	1mm	WBI-245-231	1mm	WBI-245-251
1.5mm	WBI-245-180	1.5mm	WBI-245-200	2mm	WBI-245-232	2mm	WBI-245-252
2mm	WBI-245-182	2mm	WBI-245-202	3mm	WBI-245-233	3mm	WBI-245-253
3mm	WBI-245-183	3mm	WBI-245-203	4mm	WBI-245-234	4mm	WBI-245-254
4mm	WBI-245-184	4mm	WBI-245-204	5mm	WBI-245-235	5mm	WBI-245-255
5mm	WBI-245-185	5mm	WBI-245-205				

Kerrison Punches

KERRISON

Kerrison Swivel Punch
2-piece detachable punch



Regular footplate
40° upwards cutting



Regular footplate
90° upwards cutting



Regular footplate
40° downwards cutting

180mm, 7"

1mm	WBI-600-181
2mm	WBI-600-182
3mm	WBI-600-183
4mm	WBI-600-184
5mm	WBI-600-185
6mm	WBI-600-186

200mm, 8"

1mm	WBI-600-201
2mm	WBI-600-202
3mm	WBI-600-203
4mm	WBI-600-204
5mm	WBI-600-205
6mm	WBI-600-206

230mm, 9"

1mm	WBI-600-231
2mm	WBI-600-232
3mm	WBI-600-233
4mm	WBI-600-234
5mm	WBI-600-235
6mm	WBI-600-236

180mm, 7"

1mm	WBI-640-181
2mm	WBI-640-182
3mm	WBI-640-183
4mm	WBI-640-184
5mm	WBI-640-185
6mm	WBI-640-186

200mm, 8"

1mm	WBI-640-201
2mm	WBI-640-202
3mm	WBI-640-203
4mm	WBI-640-204
5mm	WBI-640-205
6mm	WBI-640-206

230mm, 9"

1mm	WBI-640-231
2mm	WBI-640-232
3mm	WBI-640-233
4mm	WBI-640-234
5mm	WBI-640-235
6mm	WBI-640-236

180mm, 7"

1mm	WBI-630-181
2mm	WBI-630-182
3mm	WBI-630-183
4mm	WBI-630-184
5mm	WBI-630-185
6mm	WBI-630-186

200mm, 8"

1mm	WBI-630-201
2mm	WBI-630-202
3mm	WBI-630-203
4mm	WBI-630-204
5mm	WBI-630-205
6mm	WBI-630-206

230mm, 9"

1mm	WBI-630-231
2mm	WBI-630-232
3mm	WBI-630-233
4mm	WBI-630-234
5mm	WBI-630-235
6mm	WBI-630-236

Kerrison Punches

KERRISON

Kerrison Swivel Punch
2-piece detachable punch



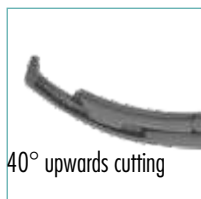
Regular footplate
90° downwards cutting



Thin footplate
40° upwards cutting



Thin footplate
40° downwards cutting



Foramenotomy

180mm, 7"

1mm	WBI-660-181
2mm	WBI-660-182
3mm	WBI-660-183
4mm	WBI-660-184
5mm	WBI-660-185
6mm	WBI-660-186

200mm, 8"

1mm	WBI-660-201
2mm	WBI-660-202
3mm	WBI-660-203
4mm	WBI-660-204
5mm	WBI-660-205
6mm	WBI-660-206

230mm, 9"

1mm	WBI-660-231
2mm	WBI-660-232
3mm	WBI-660-233
4mm	WBI-660-234
5mm	WBI-660-235
6mm	WBI-660-236

180mm, 7"

1mm	WBI-610-181
2mm	WBI-610-182
3mm	WBI-610-183
4mm	WBI-610-184
5mm	WBI-610-185
6mm	WBI-610-186

200mm, 8"

1mm	WBI-610-201
2mm	WBI-610-202
3mm	WBI-610-203
4mm	WBI-610-204
5mm	WBI-610-205
6mm	WBI-610-206

230mm, 9"

1mm	WBI-610-231
2mm	WBI-610-232
3mm	WBI-610-233
4mm	WBI-610-234
5mm	WBI-610-235
6mm	WBI-610-236

180mm, 7"

1mm	WBI-620-181
2mm	WBI-620-182
3mm	WBI-620-183
4mm	WBI-620-184
5mm	WBI-620-185
6mm	WBI-620-186

200mm, 8"

1mm	WBI-620-201
2mm	WBI-620-202
3mm	WBI-620-203
4mm	WBI-620-204
5mm	WBI-620-205
6mm	WBI-620-206

230mm, 9"

1mm	WBI-620-231
2mm	WBI-620-232
3mm	WBI-620-233
4mm	WBI-620-234
5mm	WBI-620-235
6mm	WBI-620-236

180mm, 7"

1mm	WBI-680-181
2mm	WBI-680-182
3mm	WBI-680-183
4mm	WBI-680-184
5mm	WBI-680-185
6mm	WBI-680-186

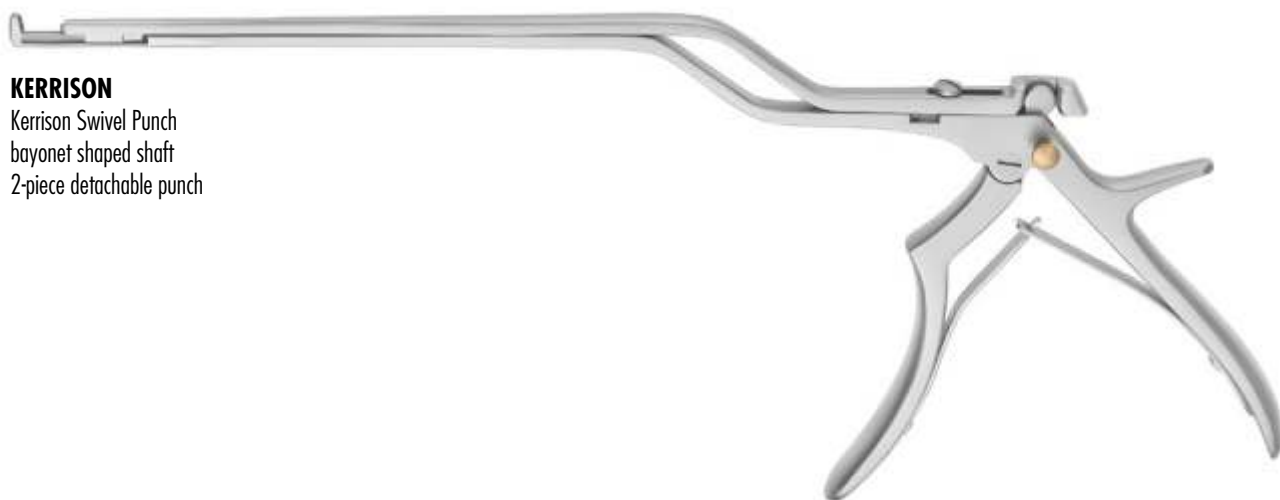
200mm, 8"

1mm	WBI-680-201
2mm	WBI-680-202
3mm	WBI-680-203
4mm	WBI-680-204
5mm	WBI-680-205
6mm	WBI-680-206

Kerrison Punches

KERRISON

Kerrison Swivel Punch
bayonet shaped shaft
2-piece detachable punch



90° upwards cutting



90° upwards cutting
left curved jaw



90° upwards cutting
right curved jaw

180mm, 7"

1mm	WBI-650-111
2mm	WBI-650-112
3mm	WBI-650-113
4mm	WBI-650-114
5mm	WBI-650-115
6mm	WBI-650-116

200mm, 8"

1mm	WBI-650-151
2mm	WBI-650-152
3mm	WBI-650-153
4mm	WBI-650-154
5mm	WBI-650-155
6mm	WBI-650-156

230mm, 9"

1mm	WBI-650-181
2mm	WBI-650-182
3mm	WBI-650-183
4mm	WBI-650-184
5mm	WBI-650-185
6mm	WBI-650-186

180mm, 7"

1mm	WBI-651-111
2mm	WBI-651-112
3mm	WBI-651-113
4mm	WBI-651-114
5mm	WBI-651-115
6mm	WBI-651-116

200mm, 8"

1mm	WBI-651-151
2mm	WBI-651-152
3mm	WBI-651-153
4mm	WBI-651-154
5mm	WBI-651-155
6mm	WBI-651-156

230mm, 9"

1mm	WBI-651-181
2mm	WBI-651-182
3mm	WBI-651-183
4mm	WBI-651-184
5mm	WBI-651-185
6mm	WBI-651-186

180mm, 7"

1mm	WBI-652-111
2mm	WBI-652-112
3mm	WBI-652-113
4mm	WBI-652-114
5mm	WBI-652-115
6mm	WBI-652-116

200mm, 8"

1mm	WBI-652-151
2mm	WBI-652-152
3mm	WBI-652-153
4mm	WBI-652-154
5mm	WBI-652-155
6mm	WBI-652-156

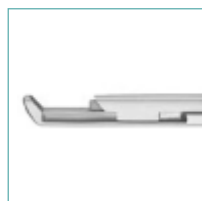
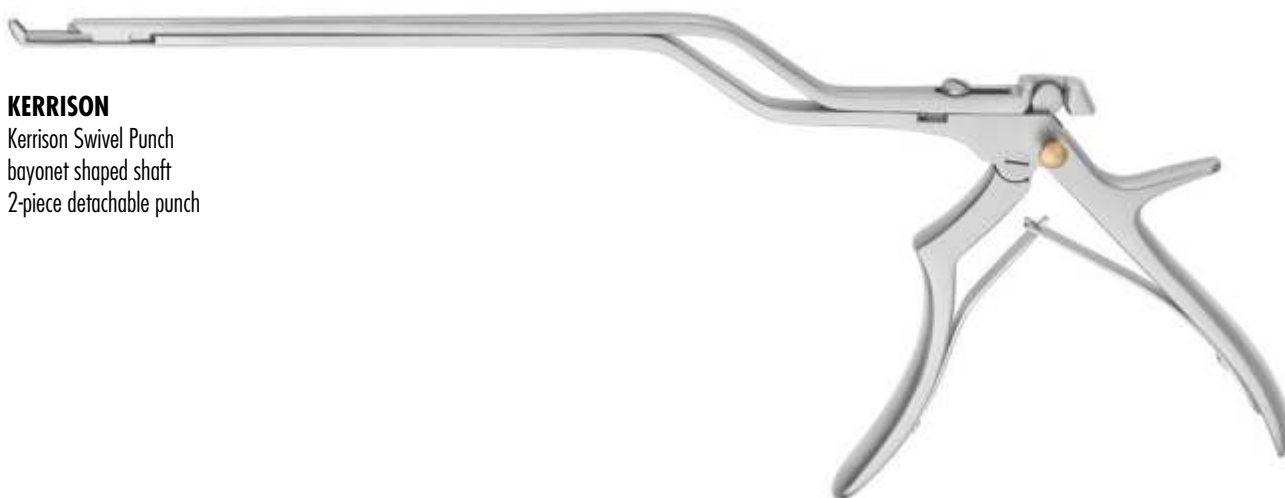
230mm, 9"

1mm	WBI-652-181
2mm	WBI-652-182
3mm	WBI-652-183
4mm	WBI-652-184
5mm	WBI-652-185
6mm	WBI-652-186

Kerrison Punches

KERRISON

Kerrison Swivel Punch
bayonet shaped shaft
2-piece detachable punch



40° upwards cutting



40° upwards cutting
left curved jaw



40° upwards cutting
right curved jaw

180mm, 7"

1mm	WBI-641-111
2mm	WBI-641-112
3mm	WBI-641-113
4mm	WBI-641-114
5mm	WBI-641-115
6mm	WBI-641-116

200mm, 8"

1mm	WBI-641-151
2mm	WBI-641-152
3mm	WBI-641-153
4mm	WBI-641-154
5mm	WBI-641-155
6mm	WBI-641-156

230mm, 9"

1mm	WBI-641-181
2mm	WBI-641-182
3mm	WBI-641-183
4mm	WBI-641-184
5mm	WBI-641-185
6mm	WBI-641-186

180mm, 7"

1mm	WBI-643-111
2mm	WBI-653-112
3mm	WBI-643-113
4mm	WBI-643-114
5mm	WBI-643-115
6mm	WBI-643-116

200mm, 8"

1mm	WBI-643-151
2mm	WBI-643-152
3mm	WBI-643-153
4mm	WBI-643-154
5mm	WBI-643-155
6mm	WBI-643-156

230mm, 9"

1mm	WBI-643-181
2mm	WBI-643-182
3mm	WBI-643-183
4mm	WBI-643-184
5mm	WBI-643-185
6mm	WBI-643-186

180mm, 7"

1mm	WBI-642-111
2mm	WBI-642-112
3mm	WBI-642-113
4mm	WBI-642-114
5mm	WBI-642-115
6mm	WBI-642-116

200mm, 8"

1mm	WBI-642-151
2mm	WBI-642-152
3mm	WBI-642-153
4mm	WBI-642-154
5mm	WBI-642-155
6mm	WBI-642-156

230mm, 9"

1mm	WBI-642-181
2mm	WBI-642-182
3mm	WBI-642-183
4mm	WBI-642-184
5mm	WBI-642-185
6mm	WBI-642-186

Kerrison Punches

KERRISON

Kerrison Swivel Punch
bayonet shaped shaft
black finish, handle with silicone coating



40° upwards cutting

140mm, 5¹/₂" working length

1mm	WBI-000-001
2mm	WBI-000-002
3mm	WBI-000-003
4mm	WBI-000-004
5mm	WBI-000-005



90° upwards cutting

140mm, 5¹/₂" working length

1mm	WBI-000-006
2mm	WBI-000-007
3mm	WBI-000-008
4mm	WBI-000-009
5mm	WBI-000-010

Rongeurs

Disc Rongeurs



straight

MINI-CUSHING

1.5x10mm bite

180mm, 7" WBI-100-181

200mm, 8" WBI-100-201

CUSHING

2x10mm bite

130mm, 5^{1/8}" WBI-100-132

150mm, 6" WBI-100-152

180mm, 7" WBI-100-182

200mm, 8" WBI-100-202

230mm, 9" WBI-100-232



upwards curved

1.5x10mm bite

180mm, 7" WBI-110-181

200mm, 8" WBI-110-201

2x10mm bite

130mm, 5^{1/8}" WBI-110-132

150mm, 6" WBI-110-152

180mm, 7" WBI-110-182

200mm, 8" WBI-110-202

230mm, 9" WBI-110-232



downwards curved

1.5x10mm bite

180mm, 7" WBI-120-181

200mm, 8" WBI-120-201

2x10mm bite

130mm, 5^{1/8}" WBI-120-132

150mm, 6" WBI-120-152

180mm, 7" WBI-120-182

200mm, 8" WBI-120-202

230mm, 9" WBI-120-232

Rongeurs

Laminectomy Rongeurs



LOVE GRUENWALD

straight, 3x10mm bite

130mm, 5 ¹ / ₈ "	WBI-100-133
150mm, 6"	WBI-100-153
180mm, 7"	WBI-100-183
200mm, 8"	WBI-100-203
230mm, 9"	WBI-100-233

upwards curved, 3x10mm bite

130mm, 5 ¹ / ₈ "	WBI-110-133
150mm, 6"	WBI-110-153
180mm, 7"	WBI-110-183
200mm, 8"	WBI-110-203
230mm, 9"	WBI-110-233

downwards curved, 3x10mm bite

130mm, 5 ¹ / ₈ "	WBI-120-133
150mm, 6"	WBI-120-153
180mm, 7"	WBI-120-183
200mm, 8"	WBI-120-203
230mm, 9"	WBI-120-233

SPURLING

straight, 4x10mm bite

130mm, 5 ¹ / ₈ "	WBI-100-134
150mm, 6"	WBI-100-154
180mm, 7"	WBI-100-184
200mm, 8"	WBI-100-204
230mm, 9"	WBI-100-234

upwards curved, 5x10mm bite

130mm, 5 ¹ / ₈ "	WBI-110-134
150mm, 6"	WBI-110-154
180mm, 7"	WBI-110-184
200mm, 8"	WBI-110-204
230mm, 9"	WBI-110-234

downwards curved, 5x10mm bite

130mm, 5 ¹ / ₈ "	WBI-120-134
150mm, 6"	WBI-120-154
180mm, 7"	WBI-120-184
200mm, 8"	WBI-120-204
230mm, 9"	WBI-120-234

CASPAR

straight, 5x10mm bite

130mm, 5 ¹ / ₈ "	WBI-100-135
150mm, 6"	WBI-100-155
180mm, 7"	WBI-100-185
200mm, 8"	WBI-100-205
230mm, 9"	WBI-100-235

upwards curved, 5x10mm bite

130mm, 5 ¹ / ₈ "	WBI-110-135
150mm, 6"	WBI-110-155
180mm, 7"	WBI-110-185
200mm, 8"	WBI-110-205
230mm, 9"	WBI-110-235

downwards curved, 5x10mm bite

130mm, 5 ¹ / ₈ "	WBI-120-135
150mm, 6"	WBI-120-155
180mm, 7"	WBI-120-185
200mm, 8"	WBI-120-205
230mm, 9"	WBI-120-235



Rongeurs

CASPAR

Toothed Disc Rongeurs



straight

2x12mm bite

140mm, 5¹/₂"

WBI-130-142

160mm, 6¹/₄"

WBI-130-162

180mm, 7"

WBI-130-182



upwards curved

2x12mm bite

140mm, 5¹/₂"

WBI-140-142

160mm, 6¹/₄"

WBI-140-162

180mm, 7"

WBI-140-182



downwards curved

2x12mm bite

140mm, 5¹/₂"

WBI-150-142

160mm, 6¹/₄"

WBI-150-162

180mm, 7"

WBI-150-182

3x12mm bite

140mm, 5¹/₂"

WBI-130-143

160mm, 6¹/₄"

WBI-130-163

180mm, 7"

WBI-130-183

3x12mm bite

140mm, 5¹/₂"

WBI-140-143

160mm, 6¹/₄"

WBI-140-163

180mm, 7"

WBI-140-183

3x12mm bite

140mm, 5¹/₂"

WBI-150-143

160mm, 6¹/₄"

WBI-150-163

180mm, 7"

WBI-150-183

straight, 4x14mm bite

140mm, 5¹/₂"

WBI-130-144

160mm, 6¹/₄"

WBI-130-164

180mm, 7"

WBI-130-184

upwards curved, 4x14mm bite

140mm, 5¹/₂"

WBI-140-144

160mm, 6¹/₄"

WBI-140-164

180mm, 7"

WBI-140-184

downwards curved, 4x14mm bite

140mm, 5¹/₂"

WBI-150-144

160mm, 6¹/₄"

WBI-150-164

180mm, 7"

WBI-150-184

straight, 5x14mm bite

140mm, 5¹/₂"

WBI-130-145

160mm, 6¹/₄"

WBI-130-165

180mm, 7"

WBI-130-185

upwards curved, 5x14mm bite

140mm, 5¹/₂"

WBI-140-145

160mm, 6¹/₄"

WBI-140-165

180mm, 7"

WBI-140-185

downwards curved, 5x14mm bite

140mm, 5¹/₂"

WBI-150-145

160mm, 6¹/₄"

WBI-150-165

180mm, 7"

WBI-150-185

straight, 6x16mm bite

140mm, 5¹/₂"

WBI-130-146

160mm, 6¹/₄"

WBI-130-166

180mm, 7"

WBI-130-186

upwards curved, 6x16mm bite

140mm, 5¹/₂"

WBI-140-146

160mm, 6¹/₄"

WBI-140-166

180mm, 7"

WBI-140-186

downwards curved, 6x16mm bite

140mm, 5¹/₂"

WBI-150-146

160mm, 6¹/₄"

WBI-150-166

180mm, 7"

WBI-150-186

Rongeurs



Swivel Disc Rongeur
2-piece detachable punch, straight

CUSHING

2x10mm

length	straight jaw	30° upwards jaw	30° downwards jaw
150mm, 6"	WBI-700-152	WBI-710-152	WBI-720-152
180mm, 7"	WBI-700-182	WBI-710-182	WBI-720-182
200mm, 8"	WBI-700-202	WBI-710-202	WBI-720-202



LOVE GRUENWALD

3x10mm

length	straight jaw	30° upwards jaw	30° downwards jaw
150mm, 6"	WBI-700-153	WBI-710-153	WBI-720-153
180mm, 7"	WBI-700-183	WBI-710-183	WBI-720-183
200mm, 8"	WBI-700-203	WBI-710-203	WBI-720-202

SPURLING

4x10mm

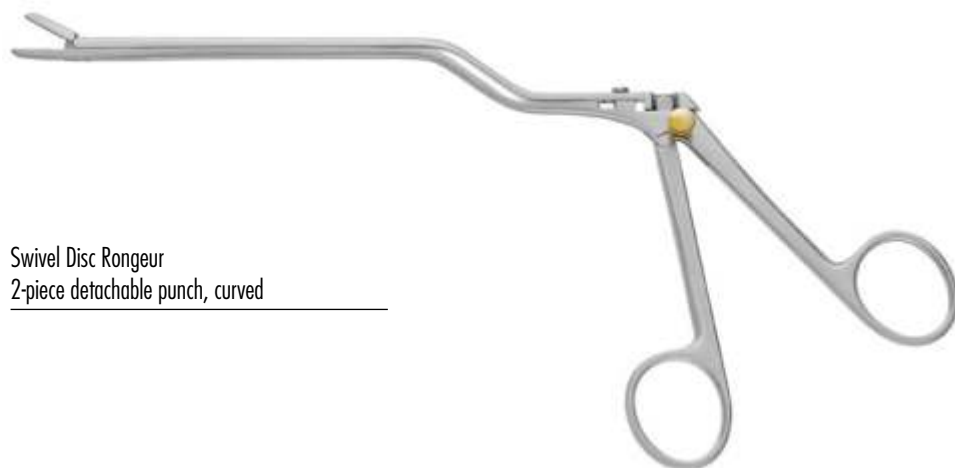
length	straight jaw	30° upwards jaw	30° downwards jaw
150mm, 6"	WBI-700-154	WBI-710-154	WBI-720-154
180mm, 7"	WBI-700-184	WBI-710-184	WBI-720-184
200mm, 8"	WBI-700-204	WBI-710-204	WBI-720-204

CASPAR

5x10mm

length	straight jaw	30° upwards jaw	30° downwards jaw
150mm, 6"	WBI-700-155	WBI-710-155	WBI-720-155
180mm, 7"	WBI-700-185	WBI-710-185	WBI-720-185
200mm, 8"	WBI-700-205	WBI-710-205	WBI-720-205

Rongeurs



Swivel Disc Rongeur
2-piece detachable punch, curved

CUSHING

2x10mm

length

110mm, 4¹/₃"

150mm, 6"

180mm, 7"



bayonet right, straight jaw

WBI-750-112

WBI-750-152

WBI-750-182



bayonet left, straight jaw

WBI-760-112

WBI-760-152

WBI-760-182



bayonet up, straight jaw

WBI-770-112

WBI-770-152

WBI-770-182

LOVE GRUENWALD

3x10mm

length

110mm, 4¹/₃"

150mm, 6"

180mm, 7"

WBI-750-113

WBI-750-153

WBI-750-183

WBI-760-113

WBI-760-153

WBI-760-183

WBI-770-113

WBI-770-153

WBI-770-182

SPURLING

4x10mm

length

110mm, 4¹/₃"

150mm, 6"

180mm, 7"

WBI-750-114

WBI-750-154

WBI-750-184

WBI-760-114

WBI-760-154

WBI-760-184

WBI-770-114

WBI-770-154

WBI-770-184

CASPAR

5x10mm

length

110mm, 4¹/₃"

150mm, 6"

180mm, 7"

WBI-750-115

WBI-750-155

WBI-750-185

WBI-760-115

WBI-760-155

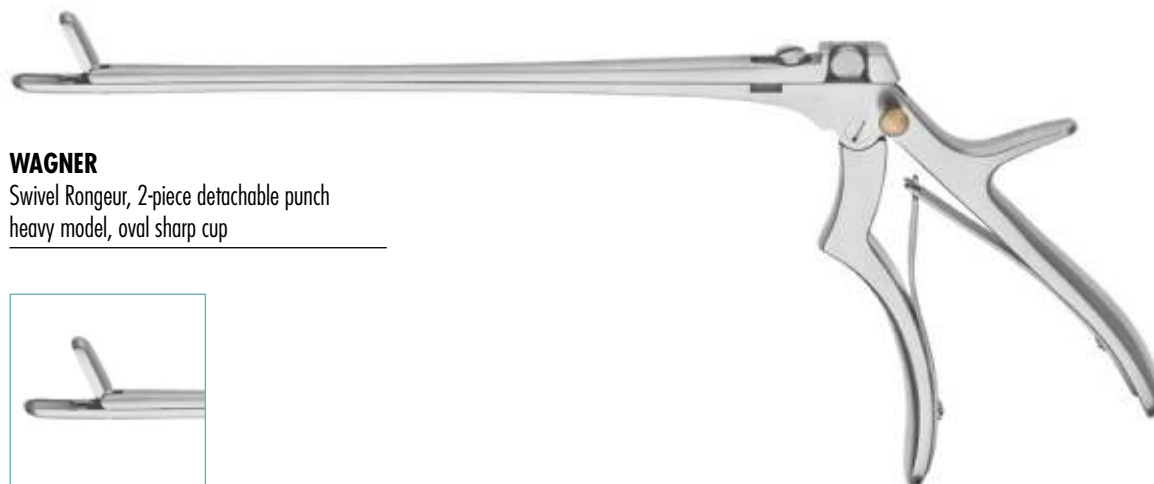
WBI-760-185

WBI-770-115

WBI-770-155

WBI-770-185

Rongeurs



WAGNER

Swivel Rongeur, 2-piece detachable punch heavy model, oval sharp cup



straight
bite

200mm, 8"

300mm, 11^{7/8}"

3mm

WBI-670-203

WBI-670-303

4mm

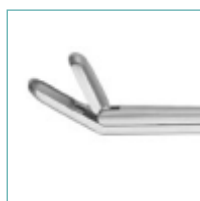
WBI-670-204

WBI-670-304

5mm

WBI-670-205

WBI-670-305



50° upwards
bite

200mm, 8"

300mm, 11^{7/8}"

4mm

WBI-671-204

WBI-671-304



bayonet shape, straight jaw
bite

110mm, 4^{1/3}"

150mm, 6"

180mm, 7"

3mm

WBI-672-113

WBI-672-153

WBI-672-183

4mm

WBI-672-114

WBI-672-154

WBI-672-184

5mm

WBI-672-115

WBI-672-155

WBI-672-185

bayonet shape, 50° upwards
bite

110mm, 4^{1/3}"

150mm, 6"

180mm, 7"

3mm

WBI-673-113

WBI-673-153 (30°)

WBI-673-183

4mm

WBI-673-114

WBI-673-154

WBI-673-184

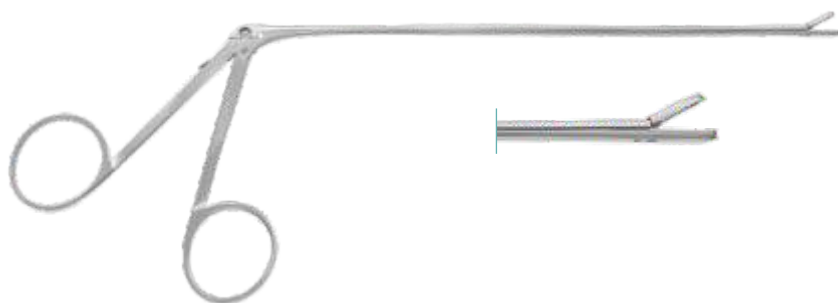
5mm

WBI-673-115

WBI-673-155

WBI-673-185

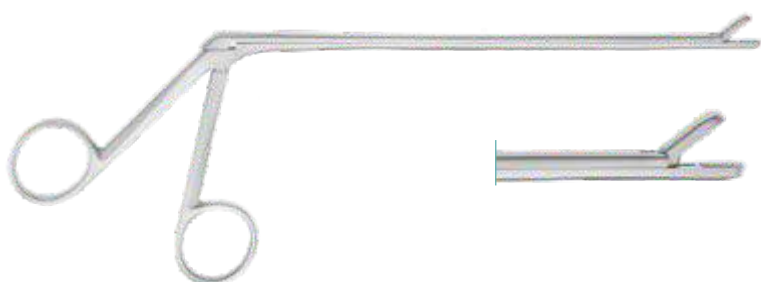
Rongeurs



DECKER

Rongeur, fine model, 2x6mm jaw
150mm, 6"

straight	WBI-066-817
left curved	WBI-066-824
right curved	WBI-066-827



DECKER

Rongeur, 2x6mm jaw, straight
150mm, 6"

WBI-067-817



Micro Rongeur, CERA-CUT®
2mm jaw, 170mm, 6²/₃"

straight	WBI-300-170CC
upcurved	WBI-301-170CC

Rongeurs



FERRIS SMITH

Disc Rongeur, straight
180mm, 7"

2mm	WBI-067-802
3mm	WBI-067-803
4mm	WBI-067-804
6mm	WBI-067-806

200mm, 8"

2mm	WBI-068-802
3mm	WBI-068-803
4mm	WBI-068-804
6mm	WBI-068-806

upwards angled
180mm, 7"

2mm	WBI-067-782
3mm	WBI-067-783
4mm	WBI-067-784
6mm	WBI-067-786

200mm, 8"

2mm	WBI-067-765
3mm	WBI-067-766
4mm	WBI-067-767
6mm	WBI-067-768



PEAPOD

Rongeur, 140mm, 5 1/2"
straight

2 x 6mm bite	WBI-115-140
2.5 x 7mm bite	WBI-118-140
3 x 10mm bite	WBI-116-140

upwards angled

2 x 6mm bite	WBI-114-140
2.5 x 7mm bite	WBI-119-140
3 x 10mm bite	WBI-117-140

Rongeurs



CLOWARD

Rongeur, straight jaw, serrated
180mm, 7"

4mm	WBI-066-796
-----	-------------

6mm	WBI-066-797
-----	-------------

200mm, 8"	
-----------	--

4mm	WBI-066-786
-----	-------------

6mm	WBI-066-787
-----	-------------



SCHLESINGER

Rongeur, straight jaw, fine serrated
150mm, 6"

2mm	WBI-195-002
-----	-------------

3mm	WBI-195-003
-----	-------------

4mm	WBI-195-004
-----	-------------

180mm, 7"	
-----------	--

2mm	WBI-196-002
-----	-------------

3mm	WBI-196-003
-----	-------------

4mm	WBI-196-004
-----	-------------

Rongeurs



Anterior Disc Rongeur, upwards curved
275mm, 10⁷/₈"

2mm jaw WBI-112-280

3mm jaw WBI-113-280

straight

2mm jaw WBI-102-280

3mm jaw WBI-103-280

4mm jaw WBI-104-280

5mm jaw WBI-105-280

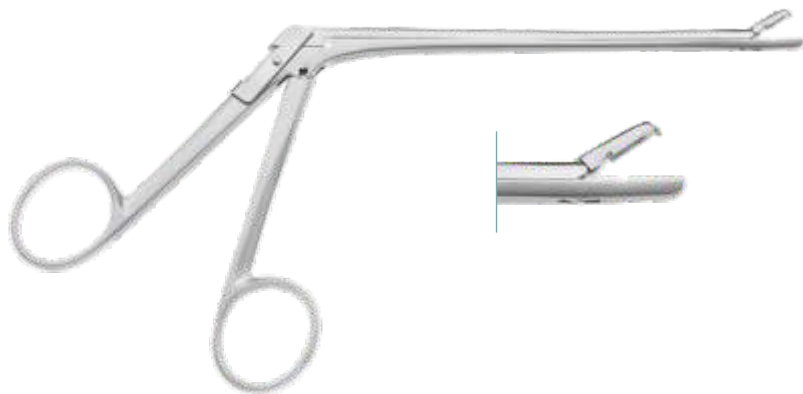


VILBISS

Cranial Rongeur Forceps
with replacement blade

210mm, 8¹/₄" WBI-066-798

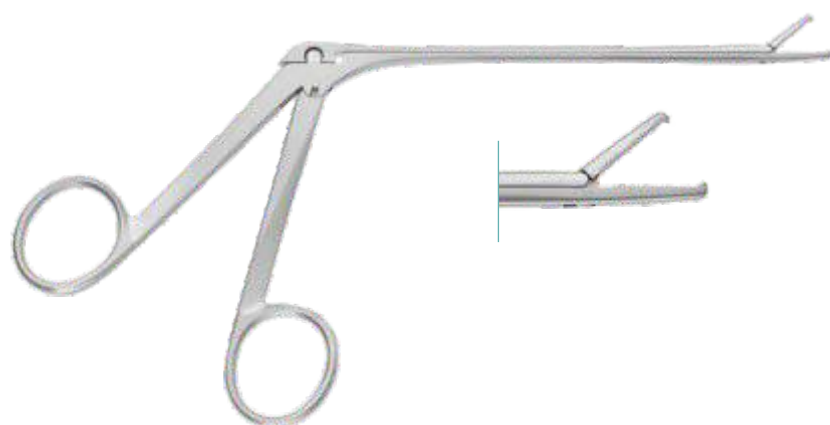
Rongeurs



WILLIAMS

Dissectomy Rongeur, 2.3mm wide cup,
1.0mm single teeth

140mm, 5 ¹ / ₂ "	WBI-068-140
230mm, 9"	WBI-068-230



NOYES

Alligator Forceps, 1x2 teeth with serrated jaw

140mm, 5 ¹ / ₂ "	WBI-526-140
--	-------------



WEIL BLAKESLEY

Rongeur, fenestrated jaw, fine serrated
180mm, 7", straight

3.0mm	WBI-030-180
3.5mm	WBI-035-180
4.0mm	WBI-040-180
upwards angled	
3.0mm	WBI-030-181
3.5mm	WBI-035-181
4.0mm	WBI-040-181

Rongeurs

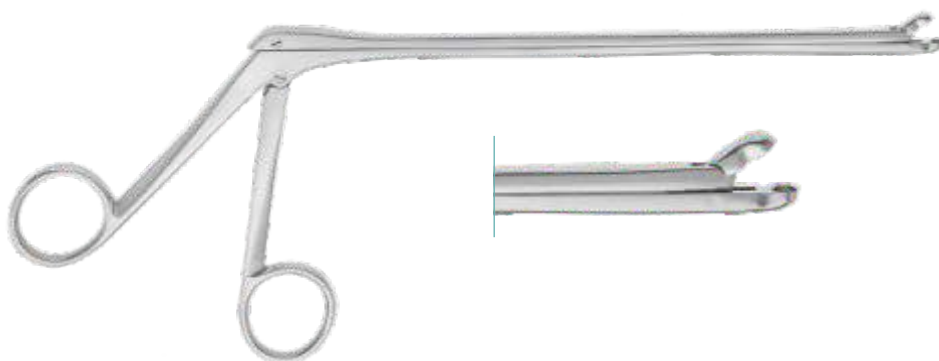


OLDBERG

Rongeur, Ø7mm

180mm, 7"

WBI-066-605



YASARGIL

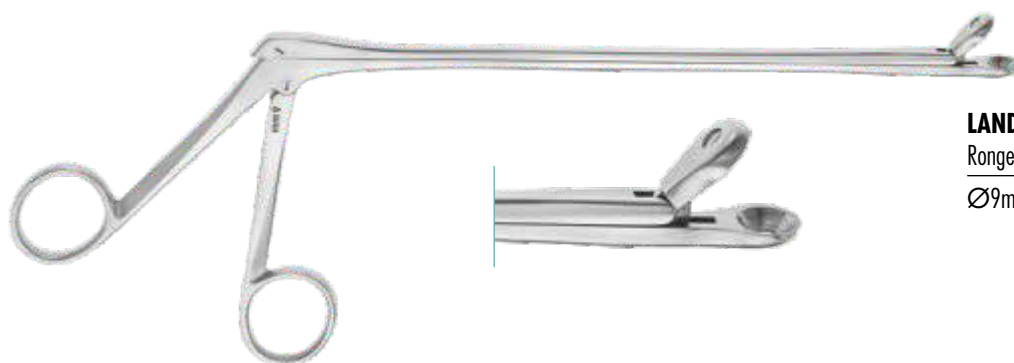
Rongeur, 190mm, 7½"

Ø2.2mm

WBI-066-599

Ø3.5mm

WBI-066-600



LANDOLT

Rongeur, 200mm, 8"

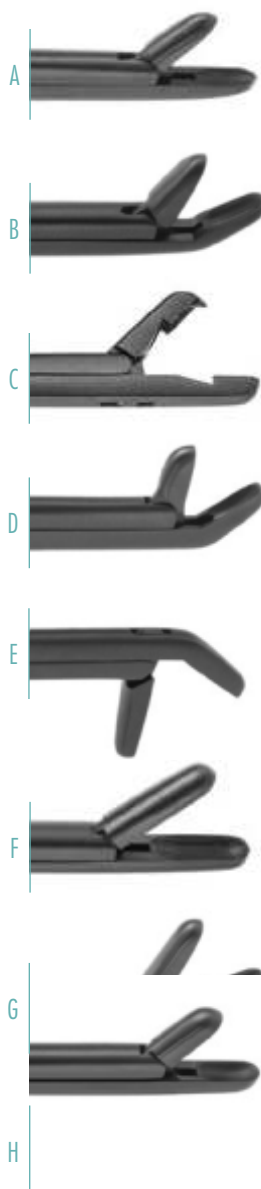
Ø9mm

WBI-066-345

Rongeurs



Micro Dissectomy Rongeur,
black coated, 180mm, 7"



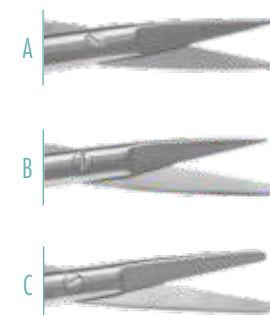
A	straight, 2x6mm	WBI-000-016
B	30° bent up, 2x6mm	WBI-000-017
C	Grasper, 2mm	WBI-000-018
D	40° upwards curved, 2x6mm	WBI-000-019
E	downwards curved, 2x6mm	WBI-000-020
F	straight, 4mm	WBI-000-021
G	upwards angled, 4mm	WBI-000-022
H	short straight, Kerrison handle 4mm	WBI-000-023

Micro Instruments



Micro Scissors, straight		
A	sharp/sharp, 70mm working length	
	190mm, 7 ¹ / ₂ "	WBI-800-190
	90mm working length	
	210mm, 8 ¹ / ₄ "	WBI-800-210
	120mm working length	
	240mm, 9 ¹ / ₂ "	WBI-800-240
	135mm working length	
	255mm, 10"	WBI-800-255

B sharp/blunt, 70mm working length		
B	sharp/blunt, 70mm working length	
	190mm, 7 ¹ / ₂ "	WBI-802-190
	90mm working length	
	210mm, 8 ¹ / ₄ "	WBI-802-210
	120mm working length	
	240mm, 9 ¹ / ₂ "	WBI-802-240

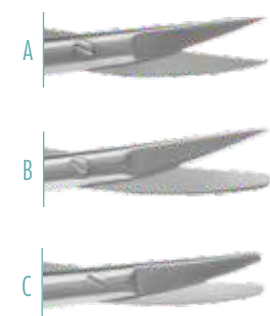


C blunt/blunt, 70mm working length		
C	blunt/blunt, 70mm working length	
	190mm, 7 ¹ / ₂ "	WBI-804-190
	90mm working length	
	210mm, 8 ¹ / ₄ "	WBI-804-210
	120mm working length	
	240mm, 9 ¹ / ₂ "	WBI-804-240
	135mm working length	
	255mm, 10"	WBI-804-255



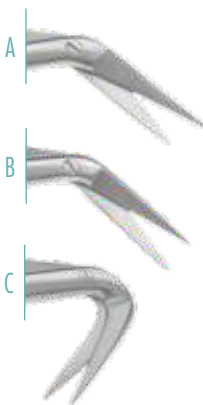
Micro Scissors, curved		
A	sharp/sharp, 70mm working length	
	190mm, 7 ¹ / ₂ "	WBI-801-190
	90mm working length	
	210mm, 8 ¹ / ₄ "	WBI-801-210
	120mm working length	
	240mm, 9 ¹ / ₂ "	WBI-801-240
	135mm working length	
	255mm, 10"	WBI-801-255

B sharp/blunt, 70mm working length		
B	sharp/blunt, 70mm working length	
	190mm, 7 ¹ / ₂ "	WBI-803-190
	90mm working length	
	210mm, 8 ¹ / ₄ "	WBI-803-210
	120mm working length	
	240mm, 9 ¹ / ₂ "	WBI-803-240

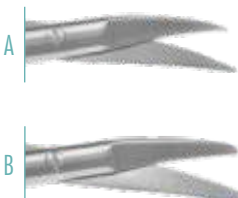


C blunt/blunt, 70mm working length		
C	blunt/blunt, 70mm working length	
	190mm, 7 ¹ / ₂ "	WBI-805-190
	90mm working length	
	210mm, 8 ¹ / ₄ "	WBI-805-210
	120mm working length	
	240mm, 9 ¹ / ₂ "	WBI-805-240
	135mm working length	
	255mm, 10"	WBI-805-255

Micro Instruments



Micro Scissors, angled 90mm working length knob/sharp, 45° angled		
A	210mm, 8 ¹ / ₄ "	WBI-811-210
B	sharp/sharp, 45° angled	WBI-813-210
C	sharp/sharp, 125° angled	WBI-815-210



Micro Scissors, downward curved 90mm working length		
A	sharp/sharp	WBI-807-210
B	blunt/blunt	WBI-809-210

Micro Instruments



Micro Forceps		
A 0.5mm jaw		
190mm, 7 ¹ / ₂ "		WBI-820-190
210mm, 8 ¹ / ₄ "		WBI-820-210
240mm, 9 ¹ / ₂ "		WBI-820-240

Neuro Forceps		
B 0.9mm jaw		
190mm, 7 ¹ / ₂ "		WBI-822-190
210mm, 8 ¹ / ₄ "		WBI-822-210
240mm, 9 ¹ / ₂ "		WBI-822-240



Micro Tumor Grasping Forceps		
A Ø 2.5mm		
210mm, 8 ¹ / ₄ "		WBI-830-210
245mm, 9 ² / ₃ "		WBI-830-245
B Ø 3.5mm		
210mm, 8 ¹ / ₄ "		WBI-832-210
245mm, 9 ² / ₃ "		WBI-832-245

Micro Instruments



Micro Tissue Forceps
1x2 teeth

210mm, 8^{1/4}"

WBI-850-210



Micro Needle Holder,
curved, 0.5mm jaw,
70mm working length

200mm, 8"

WBI-841-200

90mm working length

220mm, 8^{2/3}"

WBI-841-220

120mm working length

Slmm, 9^{7/8}"

WBI-841-SI



Container, double layer system

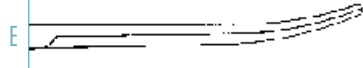
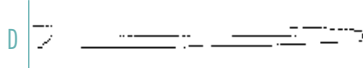
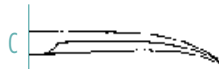
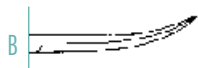
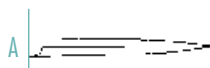
265 x 255 x 65mm

WBI-407-255

400 x 290 x 75mm

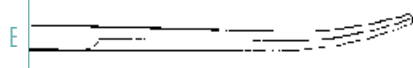
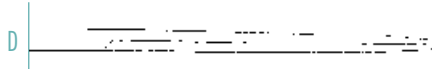
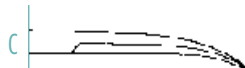
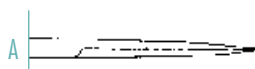
WBI-407-260

Micro Instruments



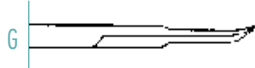
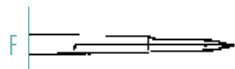
YASARGIL

A	Micro Scissors, straight	
	165mm, 6 ¹ / ₂ "	WBI-064-030
B	curved	
	165mm, 6 ¹ / ₂ "	WBI-064-031
C	curved downwards	
	200mm, 8"	WBI-064-036
D	straight, dissecting	
	200mm, 8"	WBI-064-032
E	curved, dissecting	
	200mm, 8"	WBI-064-033



YASARGIL

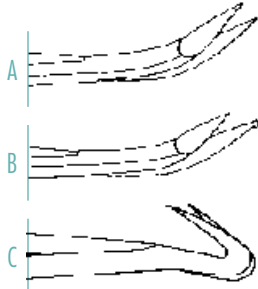
A	Micro Scissors, straight	
	225mm, 8 ⁷ / ₈ "	WBI-064-038
B	curved	
	225mm, 8 ⁷ / ₈ "	WBI-064-039
C	curved downwards	
	225mm, 8 ⁷ / ₈ "	WBI-064-047
D	Dissecting Scissors, straight	
	225mm, 8 ⁷ / ₈ "	WBI-064-044
E	Dissecting Scissors, curved	
	225mm, 8 ⁷ / ₈ "	WBI-064-043



VANNAS

	Micro Scissors, straight, 225mm, 8 ⁷ / ₈ "	
F	straight	WBI-064-037
G	curved	WBI-064-040

Micro Instruments



NAGEL

A Micro Scissors, 45°	
200mm, 8"	WBI-064-056
B 45°, with probe-pointed blade	
200mm, 8"	WBI-064-057
C 125°	
190mm, 7 ^{1/2} "	WBI-064-059



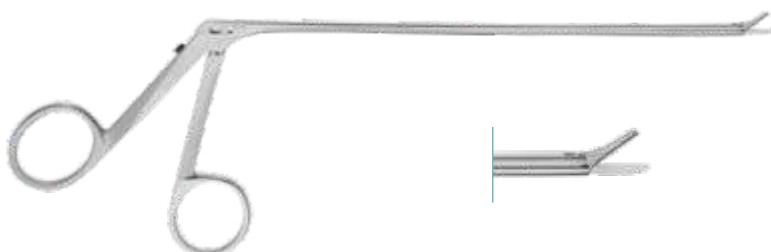
YASARGIL

Micro Needle Holder, straight

165mm, 6 ^{1/2} "	WBI-064-089
200mm, 8"	WBI-064-092
225mm, 8 ^{7/8} "	WBI-064-096

curved

165mm, 6 ^{1/2} "	WBI-064-089
200mm, 8"	WBI-064-093
225mm, 8 ^{7/8} "	WBI-064-097
245mm, 9 ^{2/3} "	WBI-064-099



DECKER

Micro Scissors, fine model, 5mm

150mm, 6"	
straight	WBI-066-601
left curved	WBI-066-602
right curved	WBI-066-603

Micro Instruments



Micro Instruments with Luer-Lock
160mm, 6¹/₄" working length



A FAHLBUSCH

Micro Scissors

WBI-064-223



B NICOLA

Micro Forceps, Ø 2.5mm

WBI-064-222



C YASARGIL NICOLA

Micro Grasping Forceps, 1mm conical jaw

WBI-064-224



D NICOLA

Micro Scissors, straight

WBI-064-226



Micro Spinal Scissors
150mm, 6" working length, black coated,
2mm, curved



blunt

WBI-000-033



sharp

WBI-000-034

Micro Instruments



Titanium Micro Needle Holder, straight, with box catch, 1mm diamond dusted jaw, 8mm round handle

210mm, 8¹/₄"

WBI-218-210



Micro Needle Holder,
without catch, 160mm, 6¹/₄" working length

straight WBI-069-076

curved WBI-069-079

180mm, 7" working length

straight WBI-069-080

curved WBI-069-081



Micro Needle Holder, diamond dusted
without catch, 160mm, 6¹/₄" working length

straight WBI-269-076

curved WBI-269-079

180mm, 7" working length

straight WBI-269-080

curved WBI-269-081

Micro Instruments



YASARGIL

Micro Forceps, 0.6mm tip

160mm, 6 ¹ / ₄ "	WBI-024-830
180mm, 7"	WBI-024-835
200mm, 8"	WBI-024-840
220mm, 8 ² / ₃ "	WBI-024-845
240mm, 9 ¹ / ₂ "	WBI-024-850

0.9mm tip

160mm, 6 ¹ / ₄ "	WBI-024-831
180mm, 7"	WBI-024-836
200mm, 8"	WBI-024-841
220mm, 8 ² / ₃ "	WBI-024-846
240mm, 9 ¹ / ₂ "	WBI-024-851

1x2 teeth

180mm, 7"	WBI-024-837
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YASARGIL

Micro Grasping Forceps Ø 3mm

220mm, 8 ² / ₃ "	WBI-064-210
--	-------------

B Ø 5mm

220mm, 8 ² / ₃ "	WBI-064-212
--	-------------

C Ø 3mm, flat jaw, serrated

220mm, 8 ² / ₃ "	WBI-064-214
--	-------------

D Ø 5mm, flat jaw, serrated

220mm, 8 ² / ₃ "	WBI-064-216
--	-------------

YASARGIL SAMII

E Ø 3mm, spoon-shaped

240mm, 9 ¹ / ₂ "	WBI-064-200
--	-------------

F Ø 5mm, spoon-shaped

240mm, 9 ¹ / ₂ "	WBI-064-202
--	-------------

G Ø 7mm, spoon-shaped

240mm, 9 ¹ / ₂ "	WBI-064-204
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HEIFETZ

H Ø 3mm, curette jaw, toothed

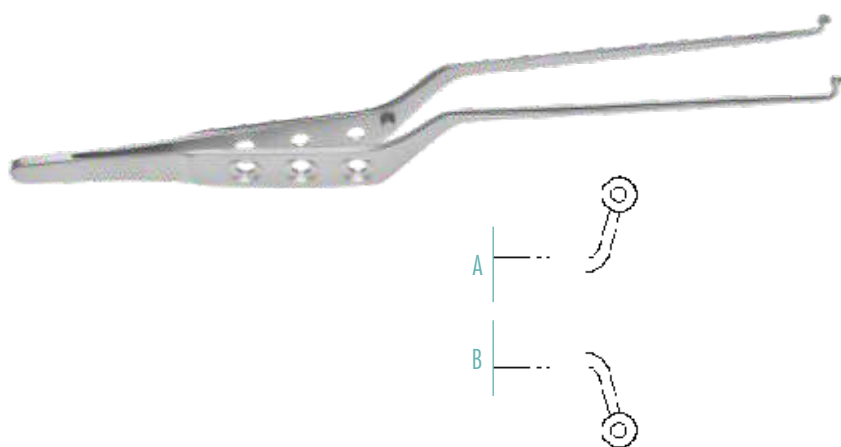
220mm, 8 ² / ₃ "	WBI-064-215
--	-------------

I Ø 5mm, curette jaw, toothed

220mm, 8 ² / ₃ "	WBI-064-217
--	-------------



Micro Instruments



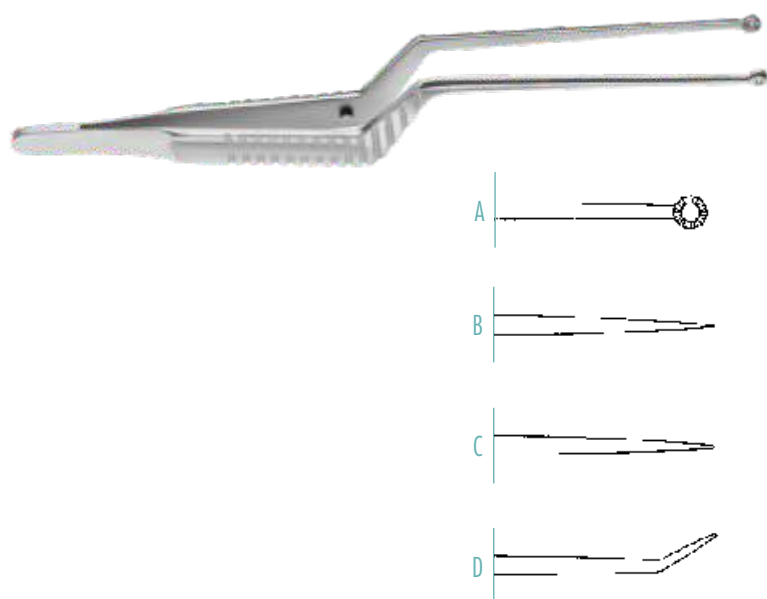
SAMII

A Micro Grasping Forceps, 230mm, 9"
left angled

Ø 3mm	WBI-064-190
Ø 4mm	WBI-064-191
Ø 5mm	WBI-064-192

B right angled

Ø 3mm	WBI-064-195
Ø 4mm	WBI-064-196
Ø 5mm	WBI-064-197



HUNT

A Tumor Tissue Forceps, Ø 5mm
flat jaw, serrated, straight

200mm, 8"	WBI-024-766
-----------	-------------

B fine tip

185mm, 7 ¹ / ₄ "	WBI-064-110
--	-------------

C broad tip

185mm, 7 ¹ / ₄ "	WBI-064-111
--	-------------

D broad tip, angled

185mm, 7 ¹ / ₄ "	WBI-064-112
--	-------------



HUNT

Tumor Tissue Forceps, Ø 5mm
serrated jaw

200mm, 8"	WBI-024-765
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Micro Instruments



LAZAR

Micro Suture Tying Forceps
155mm, 6¹/₈"

0.5mm tip	WBI-024-260
0.8mm tip	WBI-024-261



Micro Suture Tying Forceps
185mm, 7¹/₄"

0.5mm tip	WBI-024-264
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WISE

Micro Suture Tying Forceps
straight, 0.3mm tip

120mm, 4 ³ / ₄ "	WBI-024-338
135mm, 5 ¹ / ₃ "	WBI-024-336

curved, 0.3mm tip	
135mm, 5 ¹ / ₃ "	WBI-024-337

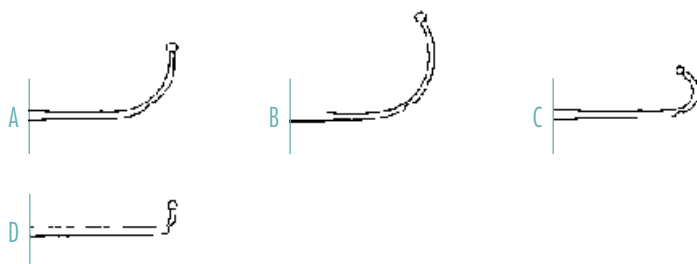


AUSTIN

Micro Suture Tying Forceps,
0.8mm tip

140mm, 5 ¹ / ₂ "	WBI-024-340
180mm, 7"	WBI-024-342

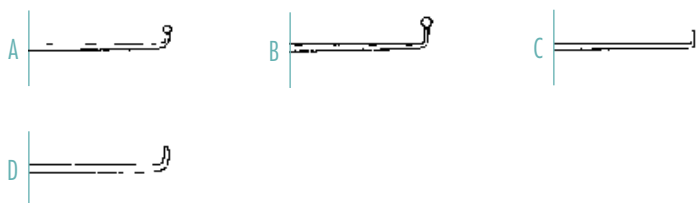
Hooks



YASARGIL

Ligature Guide, 185mm, 7¹/₄"

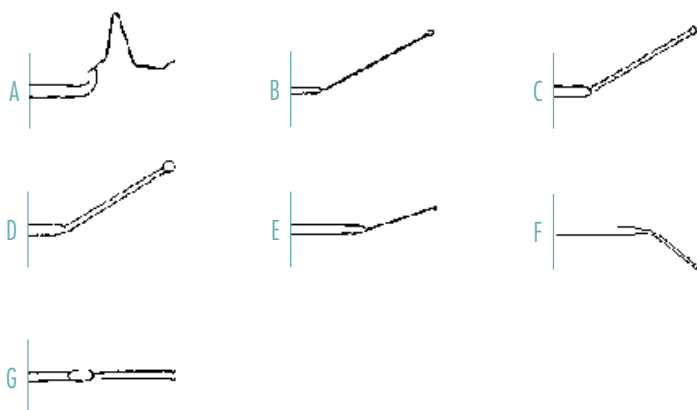
A	WBI-064-270
B	WBI-064-271
C	WBI-064-272
D	WBI-064-273



KRAYENBÜHL

Nerve / Vessel Hook, 185mm, 7¹/₄"

A	WBI-064-396
B	WBI-064-397
C	WBI-064-398
D	WBI-064-399



BIEMER

A Vessel Spreader,

160mm, 6¹/₄" WBI-064-310

Vessel Dilator, 125mm, 5"

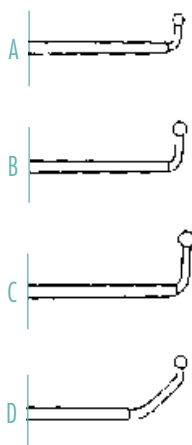
B	Ø 0.5mm	WBI-064-306
C	Ø 1.0mm	WBI-064-307
D	Ø 1.5mm	WBI-064-308

JACOBSON

Vessel Probe, 185mm, 7¹/₄"

E	WBI-064-311
F	WBI-064-313
G	WBI-064-312

Hooks



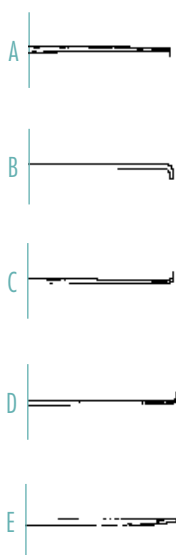
CASPAR

Exploration / Coagulation Hook,
245mm, 9²/₃", insulated

A	WBI-020-088
B	WBI-020-089
C	WBI-020-090
D	WBI-020-091

non-insulated

A	WBI-010-088
B	WBI-010-089
C	WBI-010-090
D	WBI-010-091



Micro Hook, 90°, 230mm, 9"

A sharp	WBI-064-330
B blunt	WBI-064-331

FISCH

90°, sharp, 185mm, 7¹/₄"

C curved	WBI-064-375
D angled	WBI-064-376

JACOBSON

Micro Vessel Knife, 185mm, 7¹/₄"

E	WBI-064-350
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Tissue Pick, Ø 1.8mm

185mm, 7 ¹ / ₄ "	WBI-064-392
--	-------------

Hooks



FRAZIER

Dura Hook, sharp

130mm, 5^{1/8}"

WBI-013-130



O'CONNOR

Nerve Hook, sharp

120mm, 4^{3/4}"

WBI-040-160



DANDY

Nerve Hook, 3mm, 200mm, 8"

straight

WBI-746-000

right curved

WBI-746-001

left curved

WBI-746-002

Hooks



COTTLE

Nerve Hook, 168mm, 6^{2/3}"

180° retrograde curved	WBI-286-160
------------------------	-------------

120° retrograde curved	WBI-285-160
------------------------	-------------



SACHS

Dura Hook

185mm, 7 ^{1/4} "	WBI-403-185
---------------------------	-------------



SMITHWICK

Nerve Hook

170mm, 6 ^{2/3} "	WBI-507-170
---------------------------	-------------

Hooks



GRAHAM

Dura Hook

165mm, 6¹/₂"

WBI-405-160



CUSHING

Nerve Hook, 190mm, 7¹/₂"

small

170-060-001

large

170-060-002



ADSON

Dura Hook, 200mm, 8"

blunt

WBI-407-200

sharp

WBI-409-200



WEARY

Nerve Hook, fine, blunt, black coated

200mm, 8"

WBI-408-200

Hooks

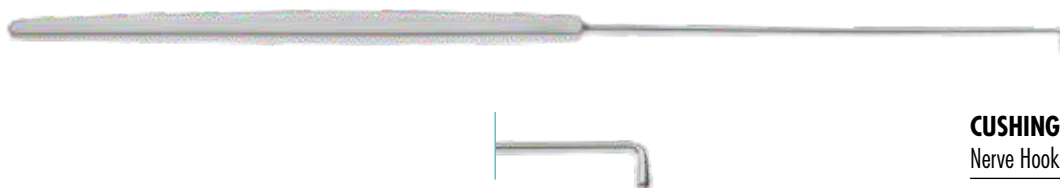


HOEN

Hook, 90°

220mm, 8²/₃"

WBI-747-220



CUSHING

Nerve Hook, 280mm, 11"

small

WBI-742-280

large

WBI-743-280



SMITHWICK

Nerve Hook

290mm, 11¹/₂"

WBI-507-290

Elevators / Dissectors

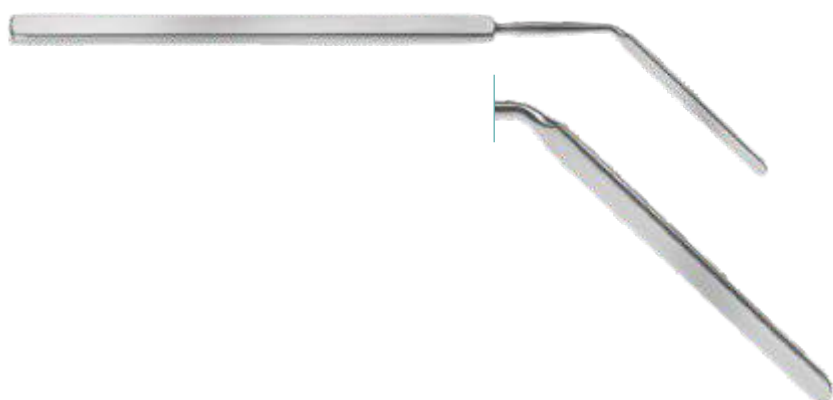


FRAZIER

Elevator

160mm, 6¹/₄"

WBI-746-150



HORSLEY

Dissector, angled

200mm, 8"

WBI-750-200



HOEN

Elevator, 150mm, 6"

45°

WBI-747-150

90°

WBI-747-153

Elevators / Dissectors



SACHS

Dissector, sharp

210mm, 8^{1/4}"

WBI-687-210



DAVIS

Dissector

195mm, 7^{3/4}"

WBI-696-195



OLIVECRONA

Dissector, double-ended

4 x 5mm, heavy pattern

180mm, 7"

WBI-694-180

240mm, 9^{1/2}"

WBI-694-240



OLIVECRONA

Dissector, double-ended, fenestrated tip,

2 x 3mm

180mm, 7"

WBI-696-180

240mm, 9^{1/2}"

WBI-696-240

Elevators / Dissectors



Dissector, double ended

220mm, 8²/₃"

WBI-500-220



DAVIS

Vascular Dissector, double ended

245mm, 9²/₃"

WBI-300-245



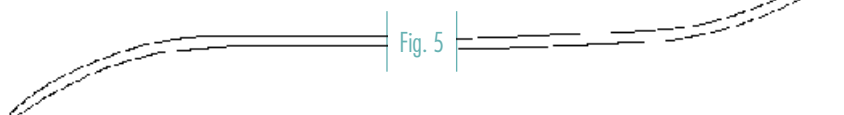
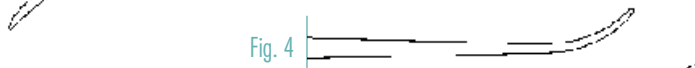
MILLIGAN

Dura Dissector, double ended

210mm, 8¹/₄"

WBI-685-210

Elevators / Dissectors



PENFIELD

Dissector

Fig. 1	175mm, 6 ⁷ / ₈ "	WBI-691-175
Fig. 2	195mm, 7 ³ / ₄ "	WBI-692-195
Fig. 3	195mm, 7 ³ / ₄ "	WBI-693-195
Fig. 4	215mm, 8 ¹ / ₂ "	WBI-694-215
Fig. 5	Slmm, 11 ¹ / ₂ "	WBI-695-SI



TOENNIS

Dissector, blunt/blunt

Fig. 1	3+4mm	WBI-301-240
Fig. 2	5+6mm	WBI-302-240



FREER

Septum Elevator, sharp/blunt, 200mm, 8"

4.5mm	WBI-545-001
6.5mm	WBI-545-002



FREER

Septum Elevator, sharp/blunt, 5mm

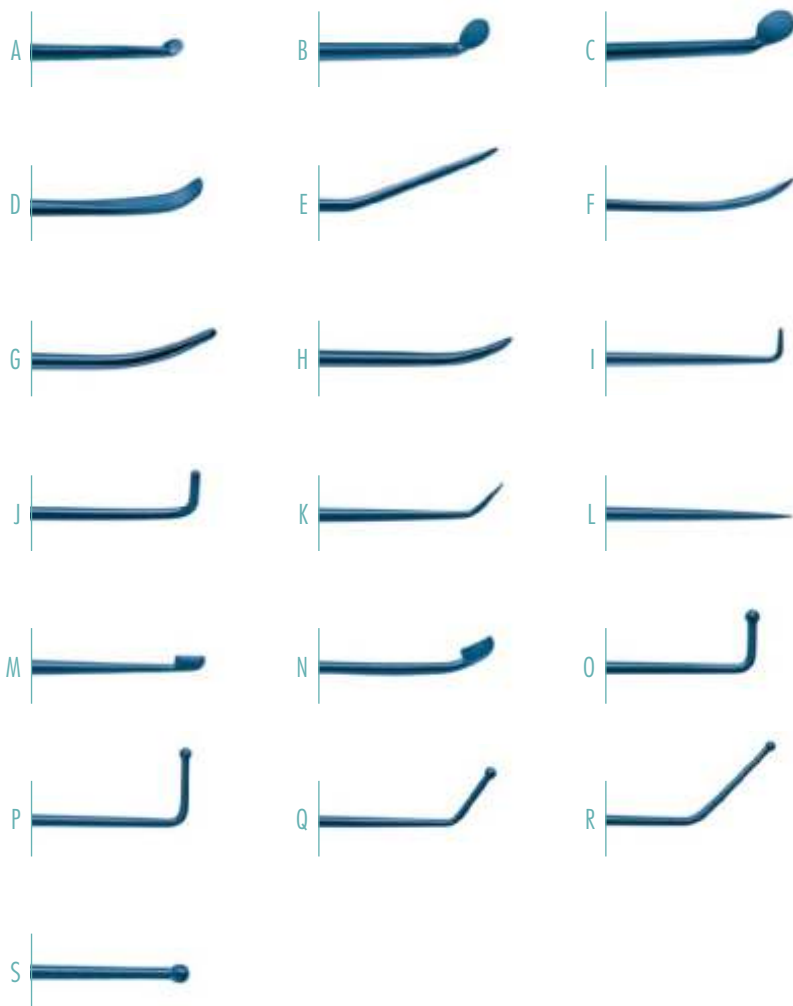
185mm, 7 ¹ / ₄ "	WBI-546-180
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Elevators / Dissectors



Scale 1:2

Scale 3:1 (A - S)



Ti

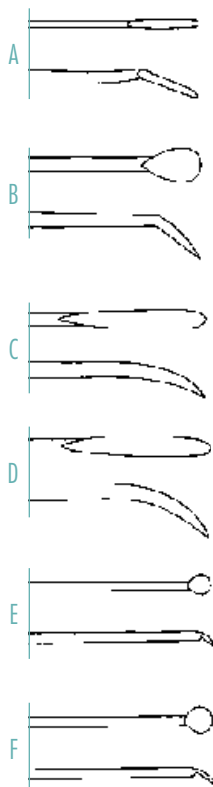
Nerve Micro Dissection Instruments, Titanium
190mm, 7¹/₂"

A round, Ø 1mm	WBI-501-190
B round, Ø 2mm	WBI-502-190
C round, Ø 3mm	WBI-503-190
D curved, 2.8mm	WBI-514-190
E angled, 1.2mm	WBI-515-190
F narrow, 1.0mm	WBI-517-190
G medium, 1.5mm	WBI-518-190
H wide, 2.0mm	WBI-519-190
I 90°, semi-sharp	WBI-520-190
J 90°, blunt	WBI-521-190
K 45°, semi-sharp	WBI-522-190
L straight, sharp	WBI-523-190
M straight, 1x2mm	WBI-524-190
N angled, 1x2mm	WBI-525-190
O 90°, 3mm	WBI-526-190
P 90°, 5mm	WBI-527-190
Q 45°, 4mm	WBI-528-190
R 45°, 8mm	WBI-529-190
S straight	WBI-530-190
T Set (+Tray)	WBI-501-001

Stainless Steel

A round, Ø 1mm	WBI-101-190
B round, Ø 2mm	WBI-102-190
C round, Ø 3mm	WBI-103-190
D curved, 2.8mm	WBI-114-190
E angled, 1.2mm	WBI-115-190
F narrow, 1.0mm	WBI-117-190
G medium, 1.5mm	WBI-118-190
H wide, 2.0mm	WBI-119-190
I 90°, blunt, 2.3mm	WBI-120-190
J 90°, blunt, 2.9mm	WBI-121-190
K 45°, semi-sharp	WBI-122-190
L straight, sharp	WBI-123-190
M straight, 1x2mm	WBI-124-190
N angled, 1x2mm	WBI-125-190
O 90°, 3mm	WBI-126-190
P 90°, 5mm	WBI-127-190
Q 45°, 4mm	WBI-128-190
R 45°, 8mm	WBI-129-190
S straight	WBI-130-190
T Set (+tray)	WBI-101-001

Raspatories / Knives



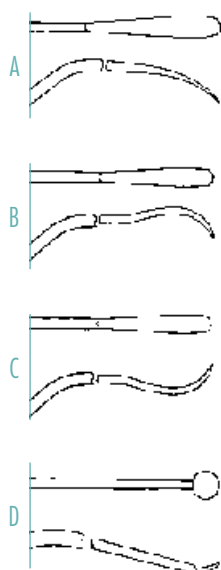
YASARGIL

Micro Raspatory, 185mm, 7¹/₄"

A	WBI-064-301
B	WBI-064-303
C	WBI-064-304
D	WBI-064-305

Micro Raspatory, round blade,
230mm, 9"

E	WBI-064-337
F	WBI-064-338



YASARGIL

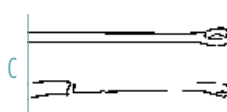
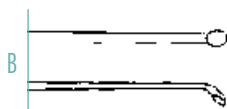
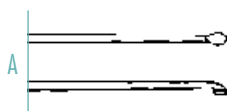
Micro Raspatory, 185mm, 7¹/₄"

A	WBI-064-320
B	WBI-064-321
C	WBI-064-322

Micro Raspatory, 230mm, 9"

D	WBI-064-346
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Raspatories / Knives



Micro Scoop, 230mm, 9"

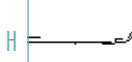
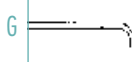
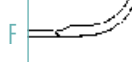
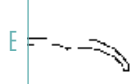
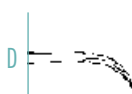
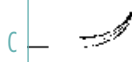
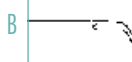
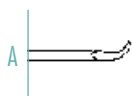
A WBI-064-335

B WBI-064-336

YASARGIL

Micro Raspatory, bayonet-shape, 185mm, 7¹/₄"

C WBI-064-325



KOOS

Micro Vessel Knife, 185mm, 7¹/₄"

A WBI-064-351

B WBI-064-352

C WBI-064-353

D WBI-064-354

E WBI-064-356

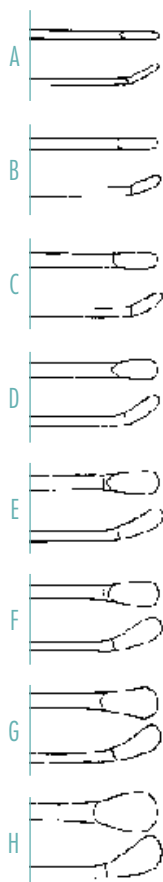
F WBI-064-357

YASARGIL

G WBI-064-365

H WBI-064-366

Raspatories / Knives



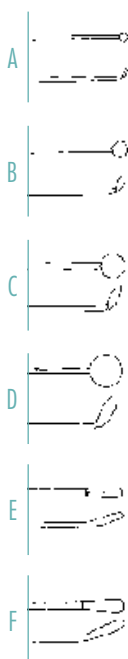
SAMII

Tumor Knife, 200mm, 8"

1.0mm	WBI-064-400
1.5mm	WBI-064-401
2.0mm	WBI-064-402
2.5mm	WBI-064-403
3.0mm	WBI-064-404
3.5mm	WBI-064-405
4.0mm	WBI-064-406
5.0mm	WBI-064-408

230mm, 9"

1.0mm	WBI-064-410
1.5mm	WBI-064-411
2.0mm	WBI-064-412
2.5mm	WBI-064-413
3.0mm	WBI-064-414
3.5mm	WBI-064-415
4.0mm	WBI-064-416
5.0mm	WBI-064-418



SAMII

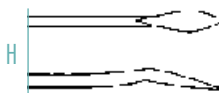
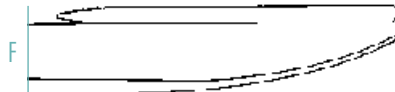
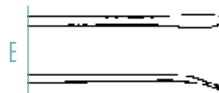
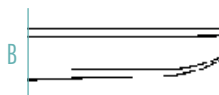
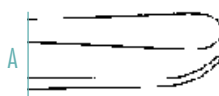
Tumor Knife, 200mm, 8"

1.5mm	WBI-064-851
3.0mm	WBI-064-854
4.5mm	WBI-064-856
6.0mm	WBI-064-858

230mm, 9"

1.5mm	WBI-064-861
3.0mm	WBI-064-864
4.5mm	WBI-064-866
6.0mm	WBI-064-868
1.8mm	WBI-064-298
2.5mm	WBI-064-299

Micro Dissectors



CASPAR

Micro Dissector, 230mm, 9"

A 4.5mm WBI-066-303

C 1.4mm WBI-064-332

D 2.0mm WBI-064-333

E 1.8mm WBI-064-334

185mm, 7¹/₄"

F 3.0mm WBI-062-150

200mm, 8"

B 1.0mm WBI-066-310

215mm, 8¹/₂"

G 3.0mm WBI-062-151

YASARGIL

185mm, 7¹/₄"

H WBI-064-302

Micro Dissectors



A Nerve Hook, 262mm, 10 ¹ / ₄ " bayonet length, black coated, 125mm, 5" working length	
left	WBI-000-043
straight	WBI-000-042
right	WBI-000-044

B Micro Nerve Hook	
left	WBI-000-046
straight	WBI-000-045
right	WBI-000-047

C Dissector	
left	WBI-000-049
straight	WBI-000-048
right	WBI-000-050

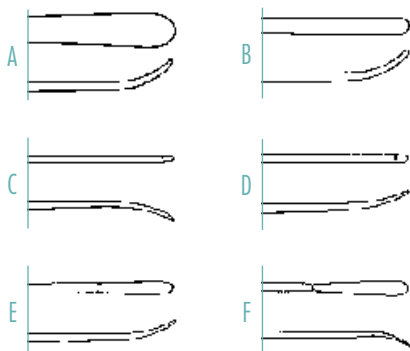


A Probe, 269mm, 10 ² / ₃ " bayonet length, black coated, 125mm, 5" working length	
WOODSON	WBI-000-035

B Hook, short, 6mm	
left	WBI-000-037
straight	WBI-000-036
right	WBI-000-038

C Hook, long, 9mm	
left	WBI-000-040
straight	WBI-000-039
right	WBI-000-041

Micro Dissectors



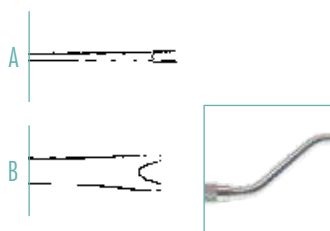
CASPAR

Micro Dissector, 230mm, 9"

A	4.5mm	WBI-066-305
B	2.0mm	WBI-066-307
210mm, 8 ¹ / ₄ "		
C	1.0mm	WBI-066-311
D	1.0mm	WBI-066-312

Micro Dissector, 230mm, 9"

E		WBI-064-343
F		WBI-064-344

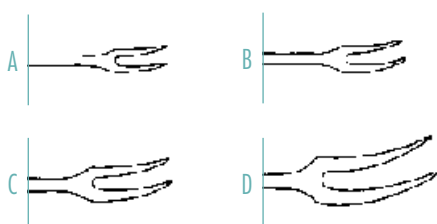


JACOBSON

A	Suture Pusher	
	185mm, 7 ¹ / ₄ "	WBI-064-315

CASPAR

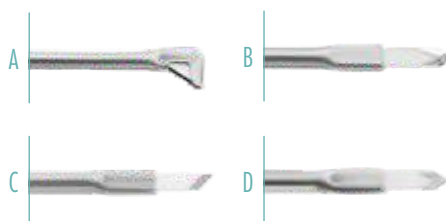
B	Suture Pusher, bayonet-shape	
	230mm, 9"	WBI-066-309



OKONEK YASARGIL

Tumor Fork, 230mm, 9"

A	3.0mm	WBI-064-380
B	2.0mm	WBI-064-381
C	5.0mm	WBI-064-382
D	8.0mm	WBI-064-384



Diamond Knife, 7 facets, single sided
1.0 x 0.17mm, 205mm, 8¹/₈"

A	hook 1.4 x 0.17mm	WBI-001-100
B	round	WBI-001-101
C	straight, 45°	WBI-001-102
D	lancet, 60°	WBI-001-103

Micro Dissectors

LEYLAR RETRACTOR SYSTEM

**YASARGIL**

Retractor, 1 flexible arm, self-retaining, flexible, complete set consisting of:

Fixation (WBI-066-267)

Flexible Arm (WBI-066-270)

Flat Spatula Holder (WBI-066-271)

WBI-066-260

**YASARGIL**

Retractor, 2 flexible arms, self-retaining, flexible, complete set consisting of:

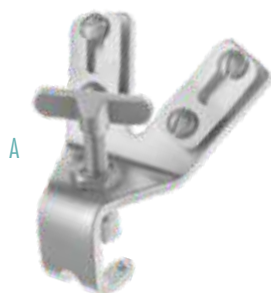
Fixation for 2 arms (WBI-066-268)

Flexible Arm (2x WBI-066-270)

Flat Spatula Holder (WBI-066-271)

Neuro Surgery

LEYLAR RETRACTOR SYSTEM



Fixation

A for 2 arms (skull)	WBI-066-268
B for 1 arm (skull)	WBI-066-267
C for 1 arm (base)	WBI-066-266



YASARGIL

Spatula Holder

A for round shaft	WBI-066-272
B for flat Spatula	WBI-066-271



YASARGIL

Spatula, malleable

200 x 9mm	WBI-066-220
200 x 12mm	WBI-066-221
SI x 12mm	WBI-066-222



Spatula, malleable

200 x 14mm	WBI-066-231
200 x 17mm	WBI-066-232
200 x 20mm	WBI-066-233



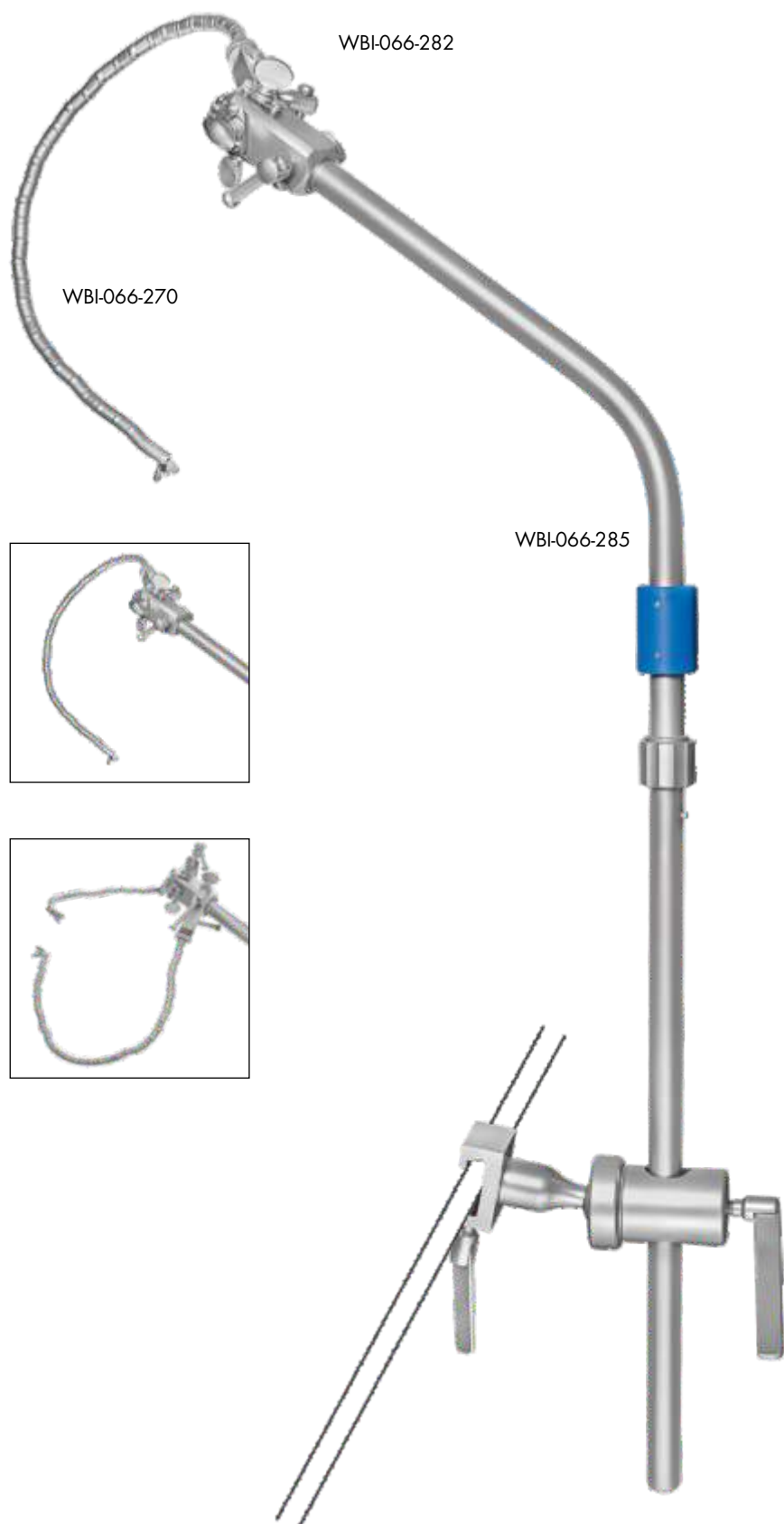
HEIFETZ

Spatula, malleable

155 x 8mm	WBI-066-256
155 x 11mm	WBI-066-257
155 x 14mm	WBI-066-258
155 x 17mm	WBI-066-SI

Neuro Surgery

LEYLAR RETRACTOR SYSTEM



WBI-066-287

LEYLAR

Retractor Set,
1 Arm for fixation to/or table siderails
consisting of:

Ball and socket joint, articulated	WBI-066-280
Holding rod	WBI-066-285
Coupling head	WBI-066-282
Flexible Arm	WBI-066-270
Flat Spatula Holder	WBI-066-271

WBI-066-288

2 Arms
consisting of:

Ball and socket joint, articulated	WBI-066-280
Holding rod	WBI-066-285
Coupling head	WBI-066-282
Coupling head, rotatable	WBI-066-283
Fixation Base	WBI-066-266
Flexible Arm	WBI-066-270
Flat Spatula Holder	WBI-066-271

Neuro Surgery



CUSHING

Spatula, 170mm, 6²/₃"

7 x 9mm	WBI-066-212
7 x 9mm CeraCut®	WBI-066-212CC
8 x 10mm	WBI-066-213
8 x 10mm CeraCut®	WBI-066-213CC

200mm, 8"

7 x 9mm	WBI-066-214
7 x 9mm CeraCut®	WBI-066-214CC

280mm, 11"

16 x 18mm	WBI-066-215
16 x 18mm CeraCut®	WBI-066-215CC



OLIVECRONA

Spatula, flexible, 180mm, 7"

7 x 9mm	WBI-066-216
11 x 13mm	WBI-066-217
15 x 18mm	WBI-066-218
18 x 22mm	WBI-066-219

CeraCut®

7 x 9mm	WBI-066-216CC
11 x 13mm	WBI-066-217CC
15 x 18mm	WBI-066-218CC
18 x 22mm	WBI-066-219CC



AACHEN

Spatula, 200mm 8"

7 x 8mm	WBI-066-441
11 x 11mm	WBI-066-442
13 x 14mm	WBI-066-443
16 x 17mm	WBI-066-444
19 x 20mm	WBI-066-445
22 x 25mm	WBI-066-446



SCOVILLE

Spatula, 203mm, 8"

13 x 9.5mm	WBI-066-202
19 x 16mm	WBI-066-203



YASARGIL

Galea Hook, 310mm, 12¹/₄"

Ø 7mm	WBI-066-020
410mm, 16"	
Ø 9mm	WBI-066-022

Neuro Surgery

GRUENBERG RETRACTOR & HAND REST SYSTEM



(Setup example)

WBI-050-150

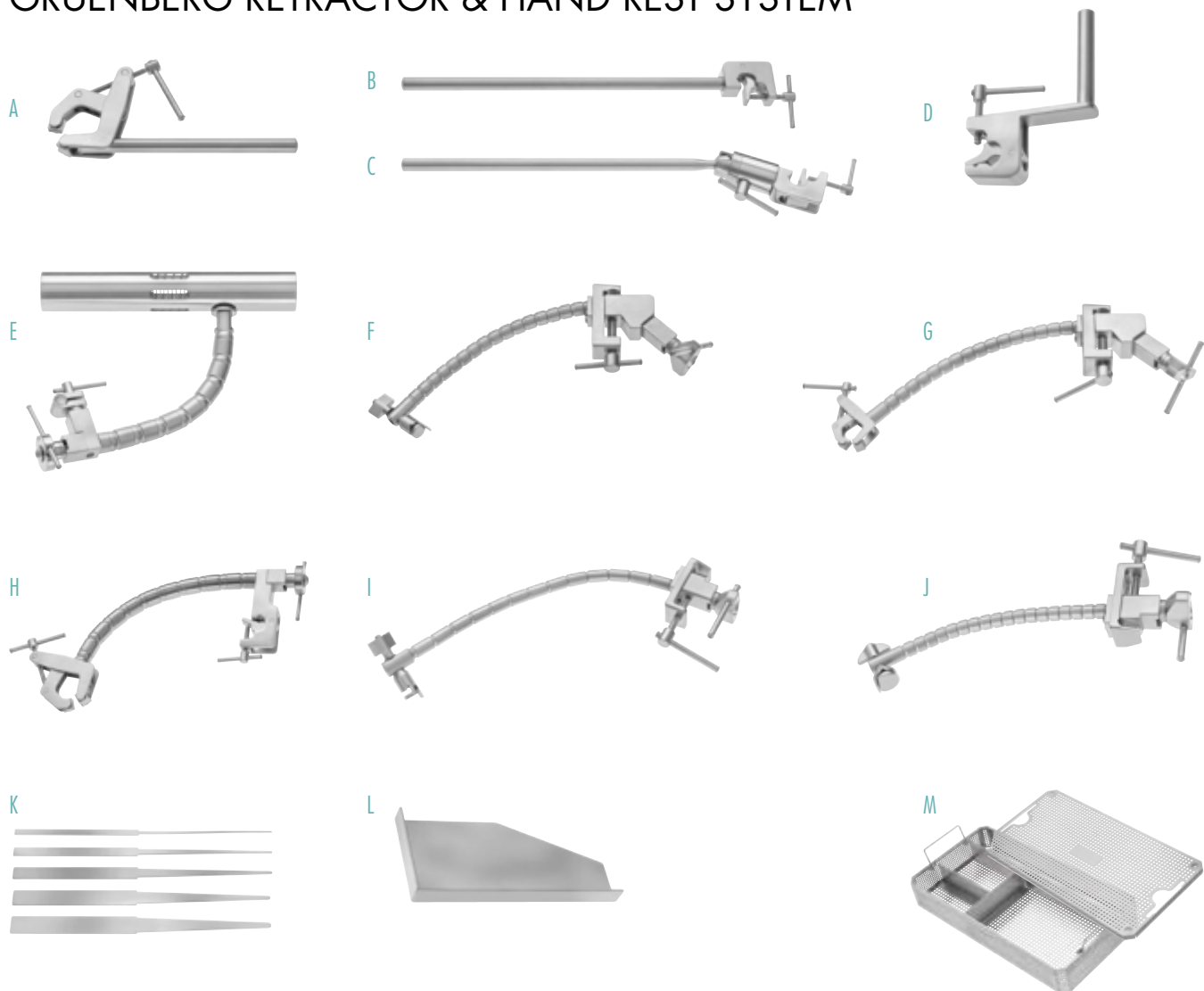
GRUENBERG

Retractor Kit, consisting of:

Primary Bar (2x)	WBI-050-007
Secodary Bar (4x)	WBI-050-002
Large Arm Retractor (4x)	WBI-050-009
Blade 1.6 x 19mm (1x)	WBI-050-050
Blade 2.0 x 10mm (1x)	WBI-050-051
Blade 3.0 x 13mm (1x)	WBI-050-052
Blade 4.0 x 16mm (1x)	WBI-050-053
Blade 6.0 x 19mm (1x)	WBI-050-054
Hand Rest (1x)	WBI-050-012
Pattie Tray (1x)	WBI-066-013

Neuro Surgery

GRUENBERG RETRACTOR & HAND REST SYSTEM



GRUENBERG

Single Parts

A	Primary Bar, 152mm	WBI-050-007
B	Secondary Bar, 305mm	WBI-050-002
C	Floating Secondary Bar	WBI-050-003
D	Short Coupler	WBI-050-004
E	Hand Rest	WBI-050-012
F	Small Instrument Holder (up to 8mm)	WBI-050-030
G	Large Instrument Holder (up to 25mm)	WBI-050-031
H	Extra Large Instrument Holder (up to 51mm)	WBI-050-032
I	Micro Instrument Holder (up to 3mm)	WBI-050-033
J	Arm Retractor, short (165mm)	WBI-050-011
	Arm Retractor, large (240mm)	WBI-050-009

K	Blade, 1.6 x 19mm	WBI-050-050
	Blade, 2.0 x 10mm	WBI-050-051
	Blade, 3.0 x 13mm	WBI-050-052
	Blade, 4.0 x 16mm	WBI-050-053
	Blade, 6.0 x 19mm	WBI-050-054
L	Pattie Tray with towel clamps, 75 x 170 x 20mm	WBI-066-513
M	Sterilization Tray with 4 components, 480 x 253 x 70mm	WBI-050-514

Neuro Surgery



A MF Headrest System,
complete with skull clamp

Aluminium

WBI-140-100

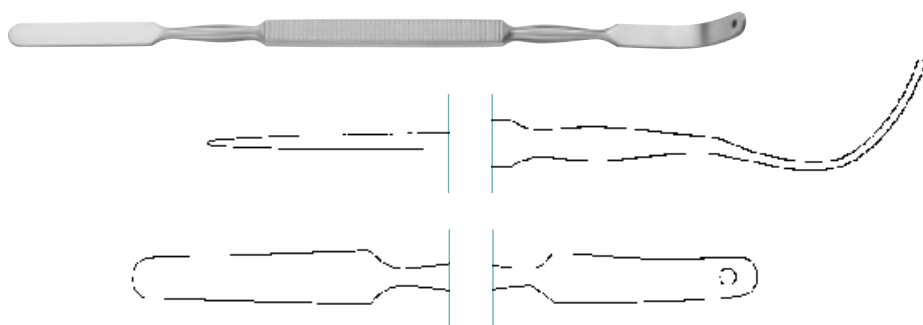


B MF Headrest System,
with horseshoe headrest

Aluminium

WBI-140-105

Neuro Surgery



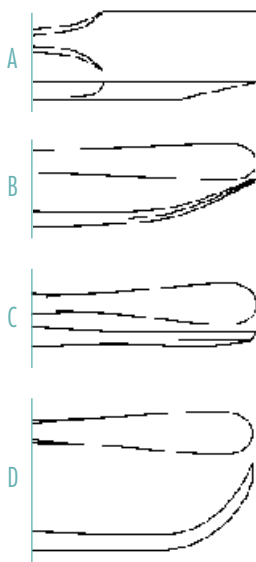
MCDONALD

Elevator, straight / curved

190mm, 7^{1/2}"

WBI-527-190

Periosteal Elevators



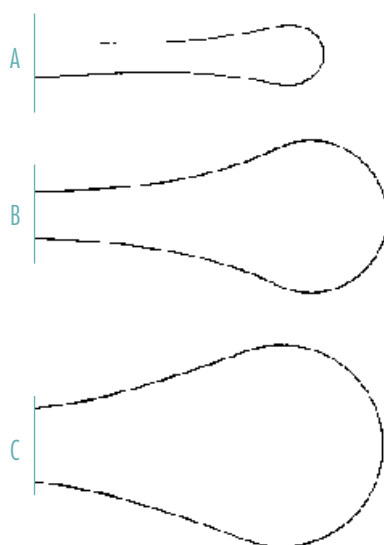
ADSON

Elevator, 8mm, 170mm, 6²/₃"

A	straight, sharp	WBI-484-170
B	curved, blunt	WBI-485-170

7mm

C	straight, semi-sharp	WBI-486-170
D	curved, semi-sharp	WBI-487-170



HOEN

Periosteal Elevator, 7mm

A	160mm, 6 ¹ / ₄ "	WBI-455-007
---	--	-------------

15mm

B	185mm, 7 ¹ / ₄ "	WBI-455-015
---	--	-------------

20mm

C	190mm, 7 ¹ / ₂ "	WBI-455-020
---	--	-------------

Periosteal Elevators



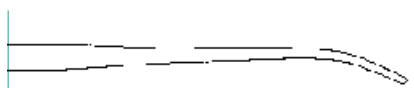
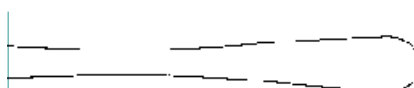
CUSHING

Periosteal Elevator
sharp end with rounded edge, 15mm

190mm, 7 1/2" WBI-460-001

sharp end with square edge

190mm, 7 1/2" WBI-460-003

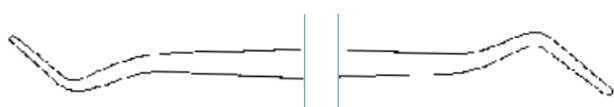


CUSHING LITTLE JOKER

Periosteal Elevator

150mm, 6" WBI-488-150

190mm, 7 1/2" WBI-488-190

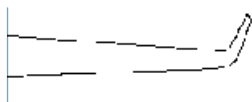


WOODSON

Elevator and Spatula, semi-sharp, 3mm,
flat end 4mm

254mm 10" WBI-746-SI

Periosteal Elevators



CLOWARD

Osteophyte Elevator, round handle,
90° curved tip, sharp

200mm, 8"

WBI-252-000



Periosteal Elevator
curved tip, 200mm, 8"

5.0mm

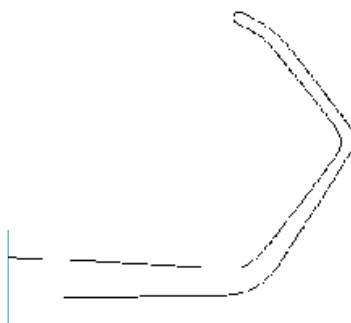
WBI-285-394

6.5mm

WBI-285-395

8.0mm

WBI-285-396



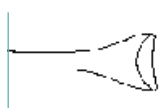
CUSHING

Retractor
22mm wide, open handle

210mm, 8^{1/4}"

170-237-210

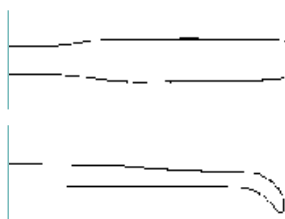
Retractors



LOVE

Nerve Root Retractor
190mm, 7^{1/2}"

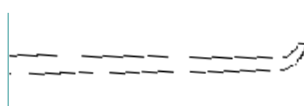
straight	WBI-694-190
45°	WBI-695-190
90°	WBI-697-190



D'ERRICO

Nerve Spatula, bayonet shaped,
6mm wide

230mm, 9"	WBI-689-230
-----------	-------------

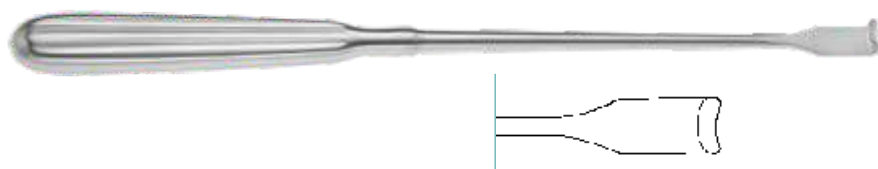


KRAYENBÜHL

Nerve Root Retractor
with guide groove, double bayonet shaped

210mm, 8 ^{1/4} "	WBI-688-210
245mm, 9 ^{2/3} "	WBI-688-245

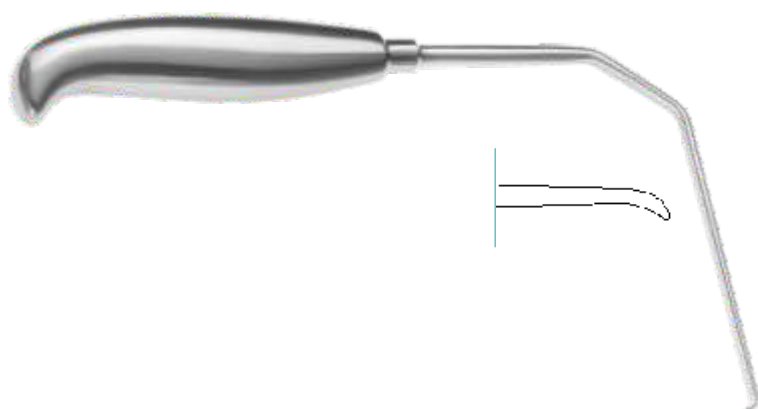
Retractors



SCOVILLE

Nerve Root Retractor, 230mm, 9"

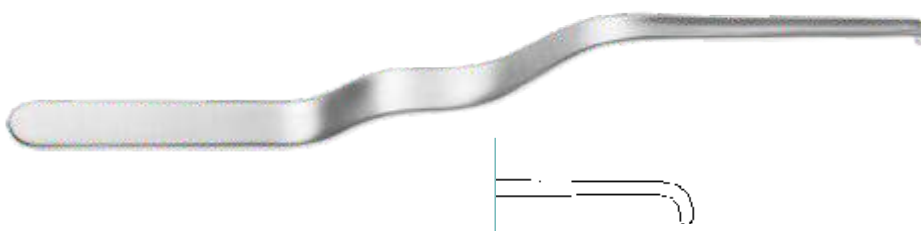
straight	WBI-698-230
45°	
90°	



HESS

Nerve Root Retractor, angled
175mm, 6⁷/₈"

3mm	WBI-690-030
4mm	WBI-690-040
5mm	WBI-690-050
7mm	WBI-690-070



CASPAR

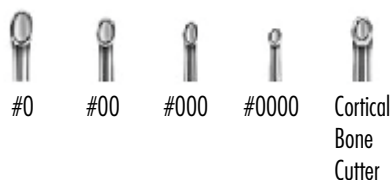
Nerve Root Retractor
240mm, 9¹/₂"

4mm	WBI-690-240
6mm	WBI-691-240
8mm	WBI-692-240
10mm	WBI-693-240

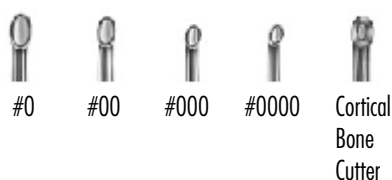
Curettes



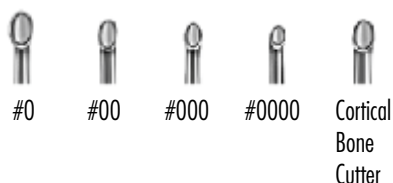
A Forward straight



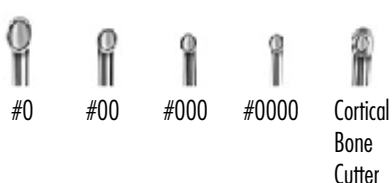
B Forward angled



C Backward straight



D Backward angled



E Hooks



Microdiscectomy
Cervical Curette, 210mm, 8¹/₄"

A forward straight

#0	WBI-100-100
#00	WBI-100-200
#000	WBI-100-300
#0000	WBI-100-400
Cortical Bone Cutter	WBI-100-500

B forward angled

#0	WBI-101-100
#00	WBI-101-200
#000	WBI-101-300
#0000	WBI-101-400
Cortical Bone Cutter	WBI-101-500

C backward straight

#0	WBI-102-100
#00	WBI-102-200
#000	WBI-102-300
#0000	WBI-102-400
Cortical Bone Cutter	WBI-102-500

D backward angled

#0	WBI-103-100
#00	WBI-103-200
#000	WBI-103-300
#0000	WBI-103-400
Cortical Bone Cutter	WBI-103-500

E Hooks

Nerve Hook	WBI-104-001
Micro Nerve Hook	WBI-104-002
Cervical Bone Waxer	WBI-104-003

Curettes



Microdissectomy
Lumbar Curette, 240mm, 9¹/₂"

Aforward straight

#0	WBI-120-100
#1	WBI-120-001
#2	WBI-120-002

Bforward angled

#0	WBI-121-100
#1	WBI-121-001
#2	WBI-121-002

Cforward down angled

#0	WBI-122-100
#1	WBI-122-001
#2	WBI-122-002

Dbackward straight

#0	WBI-124-100
#1	WBI-124-001
#2	WBI-124-002

Ebackward angled

#0	WBI-125-100
#1	WBI-125-001
#2	WBI-125-002

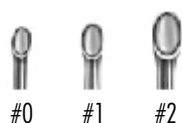
Fbackward down angled

#0	WBI-126-100
#1	WBI-126-001
#2	WBI-126-002

GInstruments

Penfield Dissector #1	WBI-127-001
Penfield Dissector #2	WBI-127-002
Nerve Hook	WBI-127-003
Penfield Dissector #4	WBI-127-004
Bone Waxer	WBI-127-005
Spine Probe	WBI-127-006

AForward straight



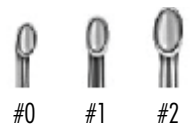
BForward angled



CForward down angled



DBackward straight



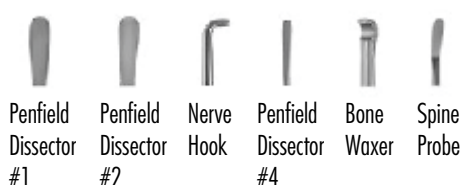
EBackward angled



FBackward down angled



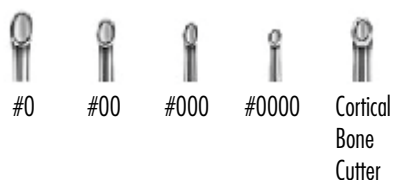
GInstruments



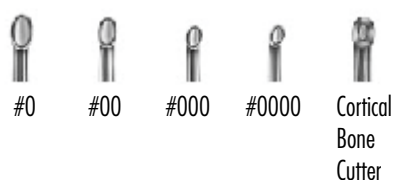
Curettes



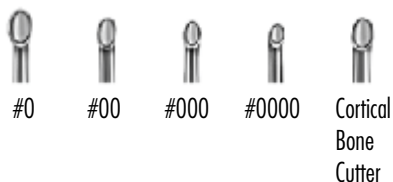
 **A**Forward straight



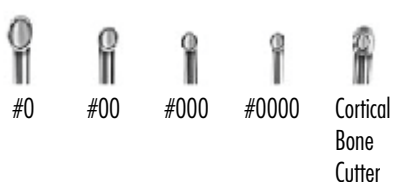
 **B**Forward angled



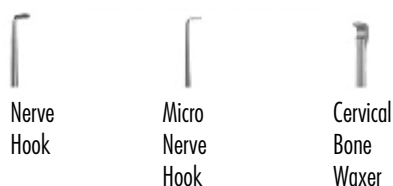
 **C**Backward straight



 **D**Backward angled



EHooks



Microdissection
Cervical Curette, 240mm, 9 1/2"

AForward straight

#0	WBI-110-100
#00	WBI-110-200
#000	WBI-110-300
#0000	WBI-110-400
Cortical Bone Cutter	WBI-110-500

BForward angled

#0	WBI-111-100
#00	WBI-111-200
#000	WBI-111-300
#0000	WBI-111-400
Cortical Bone Cutter	WBI-111-500

CBackward straight

#0	WBI-112-100
#00	WBI-112-200
#000	WBI-112-300
#0000	WBI-112-400
Cortical Bone Cutter	WBI-112-500

DBackward angled

#0	WBI-113-100
#00	WBI-113-200
#000	WBI-113-300
#0000	WBI-113-400
Cortical Bone Cutter	WBI-113-500

EHooks

Nerve Hook	WBI-114-001
Micro Nerve Hook	WBI-114-002
Cervical Bone Waxer	WBI-114-003

Curettes



WBI-100-000

Cervical Microdiscectomy Set
consisting of:

WBI-100-200
WBI-100-300
WBI-100-400
WBI-101-100
WBI-101-300
WBI-101-400
WBI-102-300
WBI-102-400
WBI-103-200
WBI-103-300
WBI-104-001
WBI-104-002
WBI-404-000

WBI-110-000

Cervical Microdiscectomy Set
consisting of:

WBI-110-100
WBI-110-300
WBI-110-400
WBI-111-100
WBI-111-200
WBI-111-300
WBI-112-100
WBI-112-200
WBI-112-300
WBI-113-100
WBI-113-300
WBI-113-400
WBI-404-000

WBI-120-000

Lumbar Microdiscectomy Set
consisting of:

WBI-120-001
WBI-120-002
WBI-121-001
WBI-121-002
WBI-122-001
WBI-122-002
WBI-124-002
WBI-125-001
WBI-126-100
WBI-126-001
WBI-127-001
WBI-127-004
WBI-404-000

Case for Micro Curettes,
12 Instruments (not illustrated)

265 x 255 x 45mm WBI-404-000

Curettes



A Bayonet straight



B Bayonet 45° angled



C Bayonet 80° angled



A Forward angled



B Backward angled



C Dissectors



Micro Spinal Curettes, 210mm, 8¹/₄"

A Bayonet straight

#00	WBI-140-200
#000	WBI-140-300
#0000	WBI-140-400

B Bayonet 45° angled

#00	WBI-141-200
#000	WBI-141-300
#0000	WBI-141-400

C Bayonet 80° angled

#00	WBI-142-200
#000	WBI-142-300
#0000	WBI-142-400

Micro Spinal Curette, 51mm, 9⁷/₈"

A forward angled

#1	WBI-130-001
#2	WBI-130-002
#3	WBI-130-003
#4	WBI-130-004
#5	WBI-130-005

B backward angled

#1	WBI-131-001
#2	WBI-131-002
#3	WBI-131-003
#4	WBI-131-004
#5	WBI-131-005

C Dissector, straight

3mm	WBI-132-003
5mm	WBI-132-005

Curettes



Curette measurements

Overall length	320mm, 12 ¹ / ₂ "
Handle length	200mm, 8"
Working length	125mm, 5"
Handle diameter	28mm, 1 ¹ / ₁₀ "

XL Curette measurements

Overall length	340mm, 13 ¹ / ₃ "
Handle length	220mm, 8 ² / ₃ "
Working length	125mm, 5"
Handle diameter	32mm, 1 ¹ / ₃ "

Cup Curette Set with 12 Curettes consisting of:

straight	
A 7mm	WBI-152-007
B 9mm	WBI-152-009
C 11mm	WBI-152-011
D 13mm	WBI-152-013
E 15mm	WBI-152-015
F 17mm	WBI-152-017
G 19mm	WBI-152-019
forward angled	
H 7mm	WBI-152-107
I 9mm	WBI-152-109
J 11mm	WBI-152-111
backward angled	
K 7mm	WBI-152-207
L 9mm	WBI-152-209



Straight



A

B

C

D

E

F

G

Cup Curette Set with 12 XL Curettes consisting of:

straight	
A 7mm	WBI-155-007
B 9mm	WBI-155-009
C 11mm	WBI-155-011
D 13mm	WBI-155-013
E 15mm	WBI-155-015
F 17mm	WBI-155-017
G 19mm	WBI-155-019
forward angled	
H 7mm	WBI-155-107
I 9mm	WBI-155-109
J 11mm	WBI-155-111
backward angled	
K 7mm	WBI-155-207
L 9mm	WBI-155-209



Forward angled



H

I

J



Backward angled



K

L

Chisels



Chisel Set with 6 Chisels, straight
consisting of:

6mm	WBI-151-006
10mm	WBI-151-010
15mm	WBI-151-015
20mm	WBI-151-020
25mm	WBI-151-025
30mm	WBI-151-030
Sterilizing Case	WBI-151-002

Chisel measurements

Overall length	270mm, 10 ² / ₃ "
Handle length	145mm, 5 ³ / ₄ "
Working length	125mm, 5"
Handle diameter	32mm, 1 ¹ / ₃ "



Chisel Set with 6 Chisels, curved
consisting of:

6mm	WBI-151-106
10mm	WBI-151-110
15mm	WBI-151-115
20mm	WBI-151-120
25mm	WBI-151-125
30mm	WBI-151-130
Sterilizing Case	WBI-151-002



A



B



C



D



E



F

Ring Curettes



Ring Curette measurements

Overall length	320mm, 12 ¹ / ₂ "
Handle length	200mm, 8"
Working length	125mm, 5"
Handle diameter	28mm, 1 ¹ / ₁₀ "

XL Ring Curette measurements

Overall length	340mm, 13 ¹ / ₃ "
Handle length	220mm, 8 ² / ₃ "
Working length	125mm, 5"
Handle diameter	32mm, 1 ¹ / ₃ "

Ring Curette Set with 6 Ring Curettes consisting of:

straight	
6mm	WBI-153-006
8mm	WBI-153-008
11mm	WBI-153-010

angled

6mm	WBI-153-106
8mm	WBI-153-108
11mm	WBI-153-110

Ring Curette Set with 6 XL Ring Curettes consisting of:

straight	
6mm	WBI-154-006
8mm	WBI-154-008
11mm	WBI-154-010

angled

6mm	WBI-154-106
8mm	WBI-154-108
11mm	WBI-154-110



straight



angled



A

B

C



A

B

C

Elevators



Elevator measurements

Overall length	320mm, 12 ¹ / ₂ "
Handle length	200mm, 8"
Working length	125mm, 5"
Handle Diameter	28mm, 1 ¹ / ₁₀ "

XL Elevator measurements

Overall length	340mm, 13 ¹ / ₃ "
Handle length	220mm, 8 ² / ₃ "
Working length	125mm, 5"
Handle diameter	32mm, 1 ¹ / ₃ "

Elevator Set with 6 Elevators consisting of:

10mm	WBI-157-010
15mm	WBI-157-015
20mm	WBI-157-020
25mm	WBI-157-025
30mm	WBI-157-030
35mm	WBI-157-035

Elevator Set with XL 6 Elevators consisting of:

10mm	WBI-158-010
15mm	WBI-158-015
20mm	WBI-158-020
25mm	WBI-158-025
30mm	WBI-158-030
35mm	WBI-158-035



A



B



C



D



E



F

Mallets



SMITH PETERSON

Mallet with brass head, aluminium handle,
Ø 38mm, 282g

Overall length 165mm, 6^{1/2}"

WBI-149-165



Mallet, large, Ø 31.8mm, 340g

Overall length 247mm, 9^{2/3}"

WBI-149-002



Mallet, small, Ø 22.5mm, 193g

Overall length 241mm, 9^{1/3}"

WBI-149-001

Retractors



CLOWARD

Retractor, 112mm handle length

70x13mm	WBI-260-001
75x18mm	WBI-260-002
75x20mm	WBI-260-003
75x23mm	WBI-260-004



TAYLOR

Spinal Retractor, 185mm, 7 1/4"

70x30mm	210-571-165
85x30mm	210-572-165
100x30mm	210-573-165



HIBBS

Retractor, Fig. 0, 230mm, 9"

25x13mm	WBI-200-000
Fig. 1, 230mm, 9"	
75x25mm	WBI-200-001
Fig. 2, 240mm, 9 1/2"	
80x25mm	WBI-200-002

Retractors



HIBBS

2-piece Retractor Set
19x50mm blade

235mm, 9¹/₄"

WBI-979-235



INGE

Lamina Spreader, with teeth

170mm, 6²/₃"

WBI-975-170

270mm, 10²/₃"

WBI-975-270



Lamina Spreader

265mm, 10¹/₂"

WBI-978-265

Retractors



CUSHING LANDOLT

Specula for transsphenoidal hypophysectomy,
black finishing

70 x 15mm	WBI-150-100
100 x 15mm	WBI-150-102



PAPAVERO CASPAR

Specula for trans-sphenoidal hypophysectomy,
stainless steel

80 x 11mm	WBI-150-589
90 x 13mm	WBI-150-590
100 x 15mm	WBI-150-591

black finishing

80 x 11mm	WBI-150-689
90 x 13mm	WBI-150-690
100 x 15mm	WBI-150-691

Key for specula

WBI-150-592



Transnasal Speculum, stainless steel, matted

80 x 9mm	WBI-150-280
90 x 9mm	WBI-150-290
100 x 9mm	WBI-150-300

Retractors



MEYERDING

Laminectomy Retractor, 200mm, 8"

25x32mm blade	WBI-791-001
25x54mm blade	WBI-791-002
19x60mm blade	WBI-791-003
25x60mm blade	WBI-791-004



MEYERDING

Hemi Laminectomy Retractor, 180mm, 7"
10mm wide blade, solid blade left

50mm	WBI-792-001
60mm	WBI-792-002
70mm	WBI-792-006

solid blade right

50mm	WBI-793-001
60mm	WBI-793-008
70mm	WBI-793-007

20mm wide blade, solid blade left

50mm	WBI-792-004
60mm	WBI-792-003
70mm	WBI-792-005

solid blade right

50mm	WBI-793-004
60mm	WBI-793-005
70mm	WBI-793-002



MARKHAM MEYERDING

Laminectomy Retractor, 165mm, 6 1/2"
solid blade left

25x65mm	WBI-790-007
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solid blade right

25x65mm	WBI-790-008
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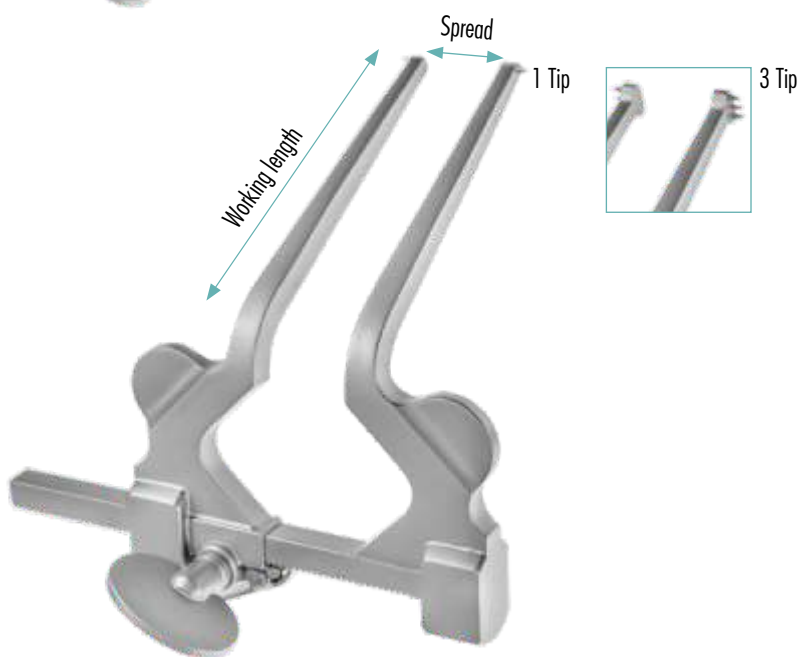
Retractors



Vertebral Distractor, 127mm length

18mm spread

WBI-WBI-018



Vertebral Distractor, with 3 tips,
70mm working length

70mm spread

WBI-WBI-070



CLOWARD

Lamina Spreader

160mm, 6^{1/4}"

WBI-973-160

Retractors



CLOWARD

Self-Retaining Retractor Set, 150mm, 6"
complete with 5 blades

58mm spread	WBI-780-160
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Blades

40mm, 1 ⁵ / ₈ "	WBI-780-040
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45mm, 1 ⁶ / ₈ "	WBI-780-045
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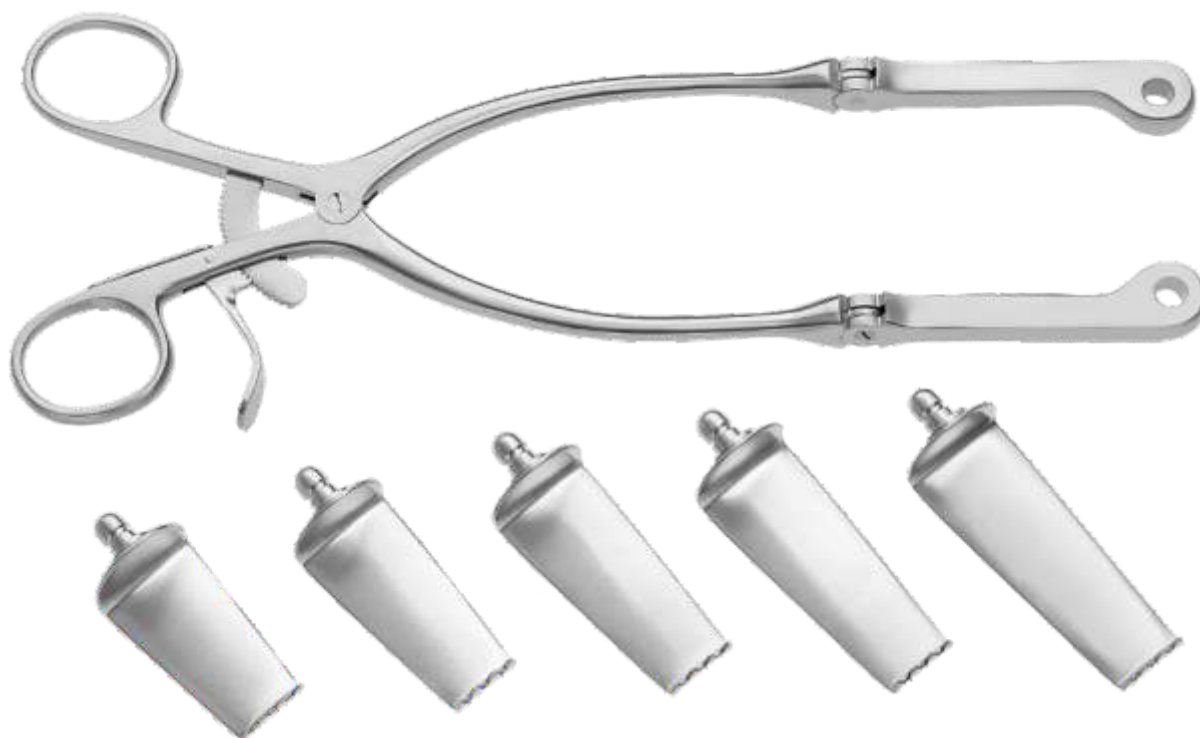
50mm, 2"	WBI-780-050
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55mm, 2 ¹ / ₈ "	WBI-780-055
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60mm, 2 ³ / ₈ "	WBI-780-060
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Retractors



CLOWARD

Self-Retaining Retractor Set, 51mm, 9⁷/₈"
complete with 5 pairs of blades

WBI-774-000

Blades (pair)

40mm, 1 ⁵ / ₈ "	WBI-774-040
45mm, 1 ⁶ / ₈ "	WBI-774-045
50mm, 2"	WBI-774-050
55mm, 2 ¹ / ₈ "	WBI-774-055
60mm, 2 ³ / ₈ "	WBI-774-060

Retractors

SCOVILLE DISTRACTOR



SCOVILLE HAVERFIELD

Spreader, rigid arms, without valves

171mm spread WBI-906-000

hinged arms, without valves

171mm spread WBI-906-001



Hook, blunt

51mm WBI-906-102

75mm WBI-906-104



Hook, with crossbar

51mm WBI-906-106

75mm WBI-906-108



Blade, toothed

26 x 63mm WBI-906-122

51 x 63mm WBI-906-124

32 x 66mm WBI-906-126

26 x 89mm WBI-906-128



Blade, forked, blunt

38 x 41mm WBI-906-144

48 x 66mm WBI-906-145

Retractors



MEYERDING

Blade, toothed

26 x 61mm	WBI-906-162
26 x 67mm	WBI-906-164
51 x 89mm	WBI-906-166



HIBBS

Blade, toothed

26 x 51mm	WBI-906-182
51 x 51mm	WBI-906-184
26 x 63mm	WBI-906-186
38 x 63mm	WBI-906-188
26 x 76mm	WBI-906-190
38 x 76mm	WBI-906-192
51 x 76mm	WBI-906-194
26 x 101mm	WBI-906-196
51 x 101mm	WBI-906-198



TAYLOR

Blade

32 x 76mm	WBI-906-120
32 x 101mm	WBI-906-121



TAYLOR

Blade, forked, sharp

38 x 44mm	WBI-906-132
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TAYLOR

Blade, forked, blunt

51 x 48mm	WBI-906-141
63 x 63mm	WBI-906-142
58 x 82mm	WBI-906-143

Retractors

CASPAR CERVICAL DISTRACTOR



CASPAR
Cervical Distractor System



CASPAR
Cervical Distractor with 110mm rack
for two-level distraction

left approach	WBI-190-110
right approach	WBI-190-111

with 130mm rack
for multi-level distraction

left approach	WBI-190-130
right approach	WBI-190-131



CASPAR
Drill Guide

left	WBI-190-200
right	

WBI-190-300

Retractors

CASPAR CERVICAL DISTRACTOR



CASPAR

Drill Bit, 2.35mm shank, 148mm overall length
Ø 1.7mm

8mm drilling depth	WBI-190-408
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14mm drilling depth	WBI-190-414
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CASPAR

Distraction Screw, self-drilling

12mm	WBI-190-512
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14mm	WBI-190-514
------	-------------

16mm	WBI-190-516
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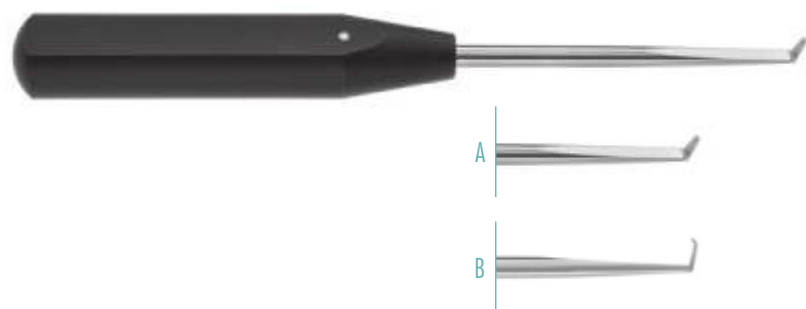
18mm	WBI-190-518
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CASPAR

Screw Driver, 200mm overall length

WBI-190-550



CASPAR

Dissector, 205mm, 8^{1/4}"

A	WBI-185-917
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B	WBI-185-918
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Retractors

CASPAR CERVICAL RETRACTOR SYSTEM



CASPAR

CCR Basis Retractor, double hinged arms,
reverse butterfly screw, distal hinge made of
titanium

WBI-180-490



CASPAR

Basis Counter Retractor, double hinged arms,
distal hinge made of titanium

WBI-180-470



CASPAR

Counter Retractor, distal hinge made of titanium

WBI-180-480

Retractors

CASPAR CERVICAL RETRACTOR SYSTEM

**CASPAR**

Side Load Handle for use with titanium blades

WBI-180-100

**CASPAR**

Caspar Handle for blades, side load, cannulated, with Luer Lock, ratchet mechanism

WBI-180-101

**CASPAR**

Depth Gauge

WBI-180-200

Retractors



Titanium Medial/Lateral Blade, 4 prongs,
19mm width

25mm	WBI-180-125
30mm	WBI-180-130
35mm	WBI-180-135
40mm	WBI-180-140
45mm	WBI-180-145
50mm	WBI-180-150
55mm	WBI-180-155
60mm	WBI-180-160
65mm	WBI-180-165
70mm	WBI-180-170
75mm	WBI-180-175



Titanium Longitudinal Blade, blunt
19mm width

25mm	WBI-180-225
30mm	WBI-180-230
35mm	WBI-180-235
40mm	WBI-180-240
45mm	WBI-180-245
50mm	WBI-180-SI
55mm	WBI-180-255
60mm	WBI-180-260
65mm	WBI-180-265
70mm	WBI-180-270
75mm	WBI-180-275



Titanium Lateral Blade, 8 teeth
24mm width

25mm	WBI-180-325
30mm	WBI-180-330
35mm	WBI-180-335
40mm	WBI-180-340
45mm	WBI-180-345
50mm	WBI-180-350
55mm	WBI-180-355
60mm	WBI-180-360
65mm	WBI-180-365
70mm	WBI-180-370
75mm	WBI-180-375



Titanium Medial Blade, 5 prongs,
24mm width

25mm	WBI-180-425
30mm	WBI-180-430
35mm	WBI-180-435
40mm	WBI-180-440
45mm	WBI-180-445
50mm	WBI-180-450
55mm	WBI-180-455
60mm	WBI-180-460
65mm	WBI-180-465
70mm	WBI-180-471
75mm	WBI-180-475



Titanium Longitudinal Blade, blunt
24mm width

25mm	WBI-180-525
30mm	WBI-180-530
35mm	WBI-180-535
40mm	WBI-180-540
45mm	WBI-180-545
50mm	WBI-180-550
55mm	WBI-180-555
60mm	WBI-180-560
65mm	WBI-180-565
70mm	WBI-180-570
75mm	WBI-180-575

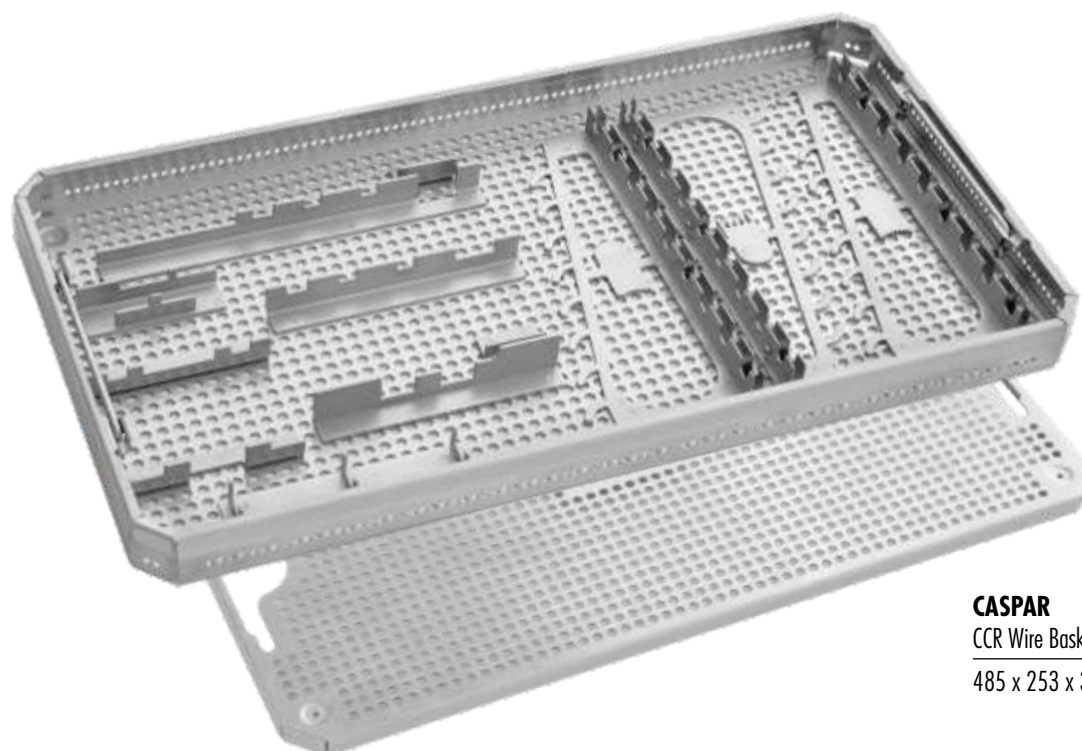
Retractors



CASPAR

CCR Set, side load, complete

WBI-180-000



CASPAR

CCR Wire Basket, with lid

485 x 253 x 30mm WBI-180-001

Retractors

RAINBOW CERVICAL RETRACTOR



Rainbow Cervical Retractor Frame Right
Max opening: 65mm
Arm length: 80mm

WBI-188-001



Rainbow Cervical Retractor Frame Left
Max opening: 65mm
Arm length: 80mm

WBI-188-002



Rainbow Cervical Retractor Offset
Max opening: 80mm
Arm length: 80mm

WBI-188-003



Rainbow Lumbar Retractor Frame
with instrument coupling
Max opening: 80mm
Arm length: 80mm

WBI-188-101

Retractors

RAINBOW CERVICAL RETRACTOR



Rainbow Cervical Toothed Rack
with finger screw

WBI-188-032



Rainbow Handle

WBI-188-005



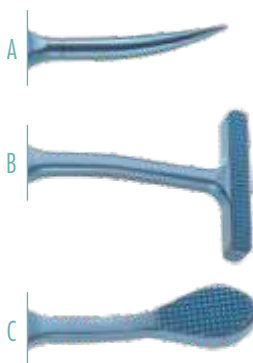
Rainbow Standard Handle

WBI-188-102



Rainbow Cervical Depth Gauge
with color markings

WBI-188-102



Rainbow Valve

A	Sharp	WBI-188-029
B	T-Valve	WBI-188-030
C	Ligament	WBI-188-031



Rainbow Instrument Coupling

WBI-188-028

Retractors

RAINBOW CERVICAL RETRACTOR



Rainbow Valve, 4 prongs

34mm	●	WBI-188-013
40mm	●	WBI-188-014
45mm	●	WBI-188-015
50mm	●	WBI-188-016
55mm	●	WBI-188-017
60mm	●	WBI-188-018
70mm	●	WBI-188-019
85mm	●	WBI-188-020



Rainbow Depth Valve, 4 prongs

40mm	●	WBI-188-007
47mm	●	WBI-188-008
55mm	●	WBI-188-009



Rainbow Depth Valve

40mm	●	WBI-188-010
47mm	●	WBI-188-011
55mm	●	WBI-188-012



Rainbow Blunt Valve

34mm	●	WBI-188-021
40mm	●	WBI-188-022
45mm	●	WBI-188-023
50mm	●	WBI-188-024
55mm	●	WBI-188-025
60mm	●	WBI-188-026
70mm	●	WBI-188-027

Retractors

RAINBOW CERVICAL RETRACTOR



WBI-188-000
Cervical Retractor Set "Rainbow"
consisting of:

1x	WBI-188-001	2x		WBI-188-012	2x		WBI-188-023
1x	WBI-188-002	2x		WBI-188-013	2x		WBI-188-024
1x	WBI-188-003	2x		WBI-188-014	2x		WBI-188-025
1x	WBI-188-004	2x		WBI-188-015	2x		WBI-188-026
1x	WBI-188-005	2x		WBI-188-016	2x		WBI-188-027
1x	WBI-188-102	2x		WBI-188-017	1x		WBI-188-028
4x 	WBI-188-007	2x		WBI-188-018	1x		WBI-188-029
4x 	WBI-188-008	2x		WBI-188-019	1x		WBI-188-030
4x 	WBI-188-009	1x		WBI-188-020	1x		WBI-188-031
2x 	WBI-188-010	2x		WBI-188-021	1x		WBI-188-032
2x 	WBI-188-011	2x		WBI-188-022	1x (Container only)		259-188-033



WBI-188-100
Lumbar Microdiscectomy Retractor Set
"Rainbow"
consisting of:

1x	WBI-188-101
1x	WBI-188-102
1x	WBI-188-029
1x	WBI-188-030
1x	WBI-188-031
1x	WBI-188-014
1x	WBI-188-015
1x	WBI-188-016
1x	WBI-188-018
1x	WBI-188-019
1x	WBI-188-020
1x (Container only)	WBI-188-133

Retractors

CASPAR LUMBAR RETRACTOR



CLR Retractor side-load

WBI-190-610



CCR/CLR handle for blades, with black PPSU handle

WBI-180-100



CCR/CLR handle for blades, cannulated with luer-lock,
with black PPSU handle

WBI-180-101



CCR/CLR Depth Gauge instrument, natural

WBI-180-200

Retractors

CASPAR LUMBAR RETRACTOR



CLR Blade, side load, width: 20mm,
color: blue, 3 prongs

20 x 35mm	WBI-190-235
20 x 40mm	WBI-190-240
20 x 45mm	WBI-190-245
20 x 55mm	WBI-190-255
20 x 65mm	WBI-190-265



CLR Blade, side load, width: 40mm,
color: blue, 3 prongs

40 x 35mm	WBI-190-435
40 x 40mm	WBI-190-440
40 x 45mm	WBI-190-445
40 x 55mm	WBI-190-455
40 x 65mm	WBI-190-465
40 x 75mm	WBI-190-475



CLR Blade, side load, width: 60mm,
color: blue, 3 prongs

60 x 35mm	WBI-190-635
60 x 40mm	WBI-190-640
60 x 45mm	WBI-190-645
60 x 55mm	WBI-190-655
60 x 65mm	WBI-190-665
60 x 75mm	WBI-190-675
60 x 85mm	WBI-190-685

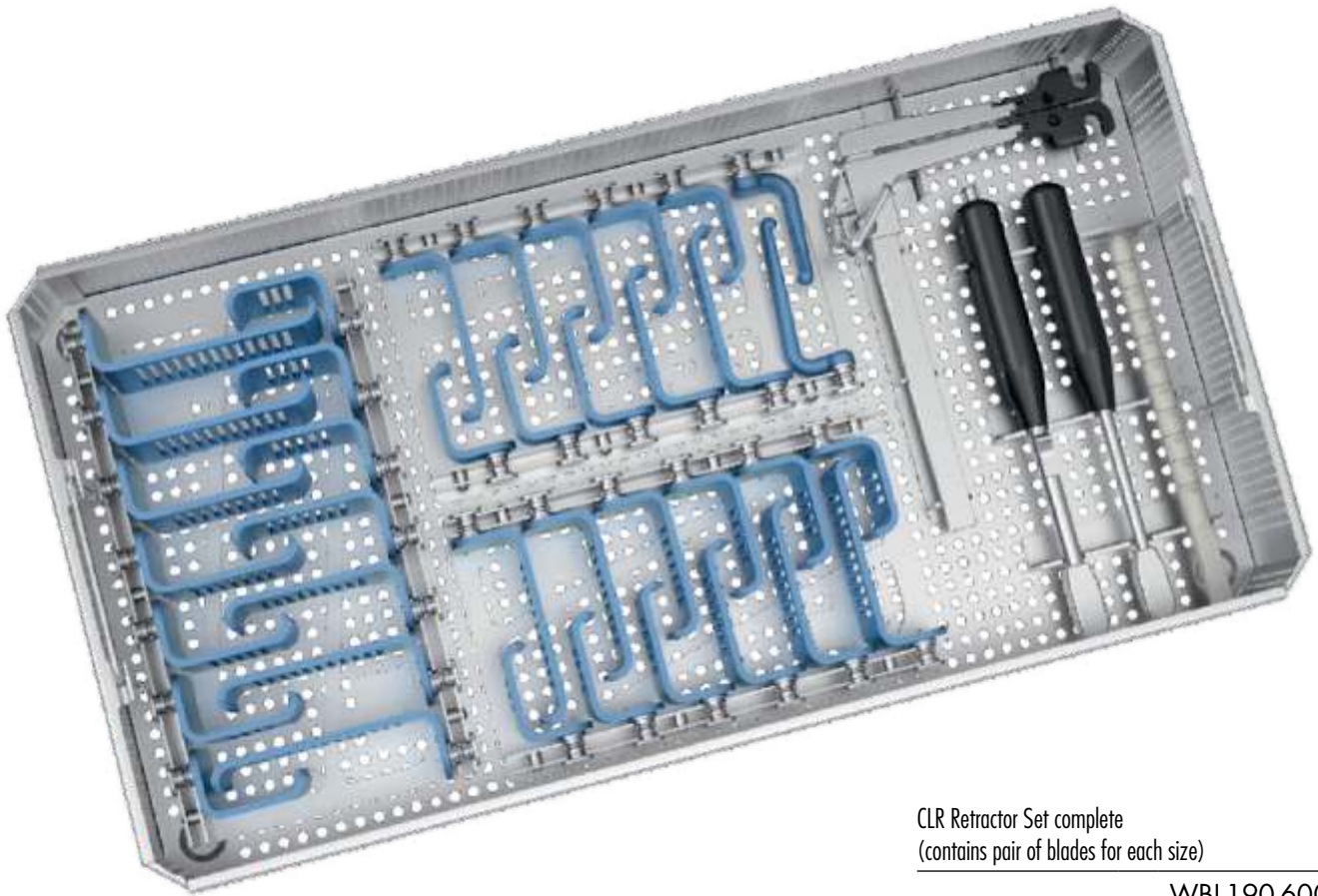


Hemi-laminectomy hook, color: blue

small	WBI-190-231
large	WBI-190-232

Retractors

CASPAR LUMBAR RETRACTOR



CLR Retractor Set complete
(contains pair of blades for each size)

WBI-190-600

Retractors

CASPAR LUMBAR RETRACTOR

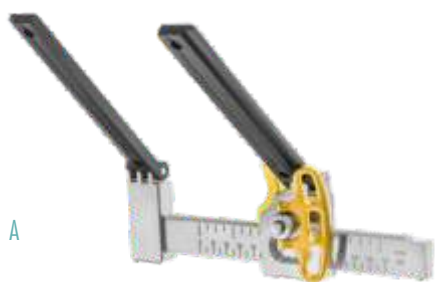
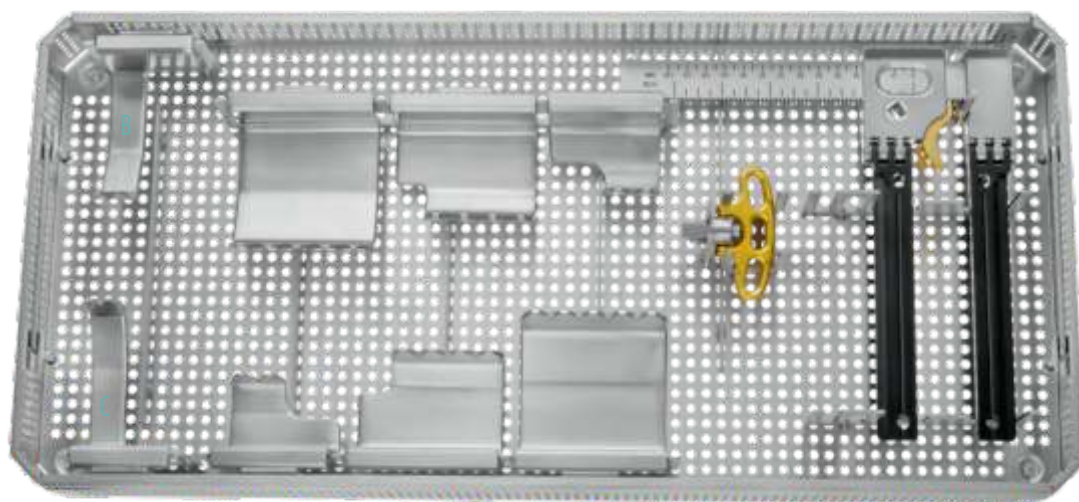


CLR Retractor Set Tray empty

WBI-190-601

Retractors

BUTTERFLY SPINE RETRACTOR SET



Lightweight, new designed set

with tray WBI-300-340

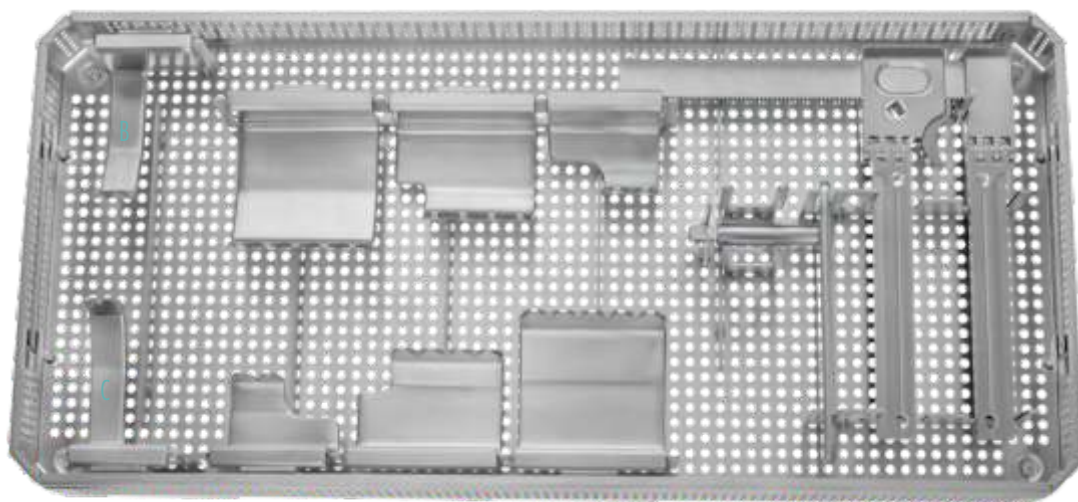
without tray WBI-300-330

 optional, not included in the set

Set consists of

Type	Width	Length	Quantity	
A Retractor			1	WBI-300-311
D Retractor 5 teeth	76mm	64mm	2	WBI-300-312
E Retractor left	31mm	38mm	1	WBI-300-313
E Retractor right	31mm	38mm	1	WBI-300-314
F Retractor left	57mm	44mm	1	WBI-300-315
F Retractor right	57mm	44mm	1	WBI-300-316

Retractors



Standard Butterfly Set

with tray and lid WBI-300-320

without tray and lid WBI-300-310

⊕ optional, not included in the set

Set consists of

Type	Width	Length	Quantity	
G Standard Retractor			1	WBI-300-301
D Retractor 5 teeth	76mm	64mm	2	WBI-300-302
E Retractor left	31mm	38mm	1	WBI-300-303
E Retractor right	31mm	38mm	1	WBI-300-304
F Retractor left	57mm	44mm	1	WBI-300-305
F Retractor right	57mm	44mm	1	WBI-300-306

⊕ Optional Retractors, right/left angled (standard), for

Width	Length	Quantity	
19mm	31mm	2	WBI-300-205
19mm	44mm	2	WBI-300-206
19mm	57mm	2	WBI-300-207
19mm	83mm	2	WBI-300-209
19mm	76mm	2	WBI-300-208
19mm	102mm	2	WBI-300-210
51mm	102mm	2	WBI-300-216 (not offset)



Tray with lid (fits for standard and lightweight)

WBI-300-350

Retractors

LT - SET FOR LUMBAR RETRACTION



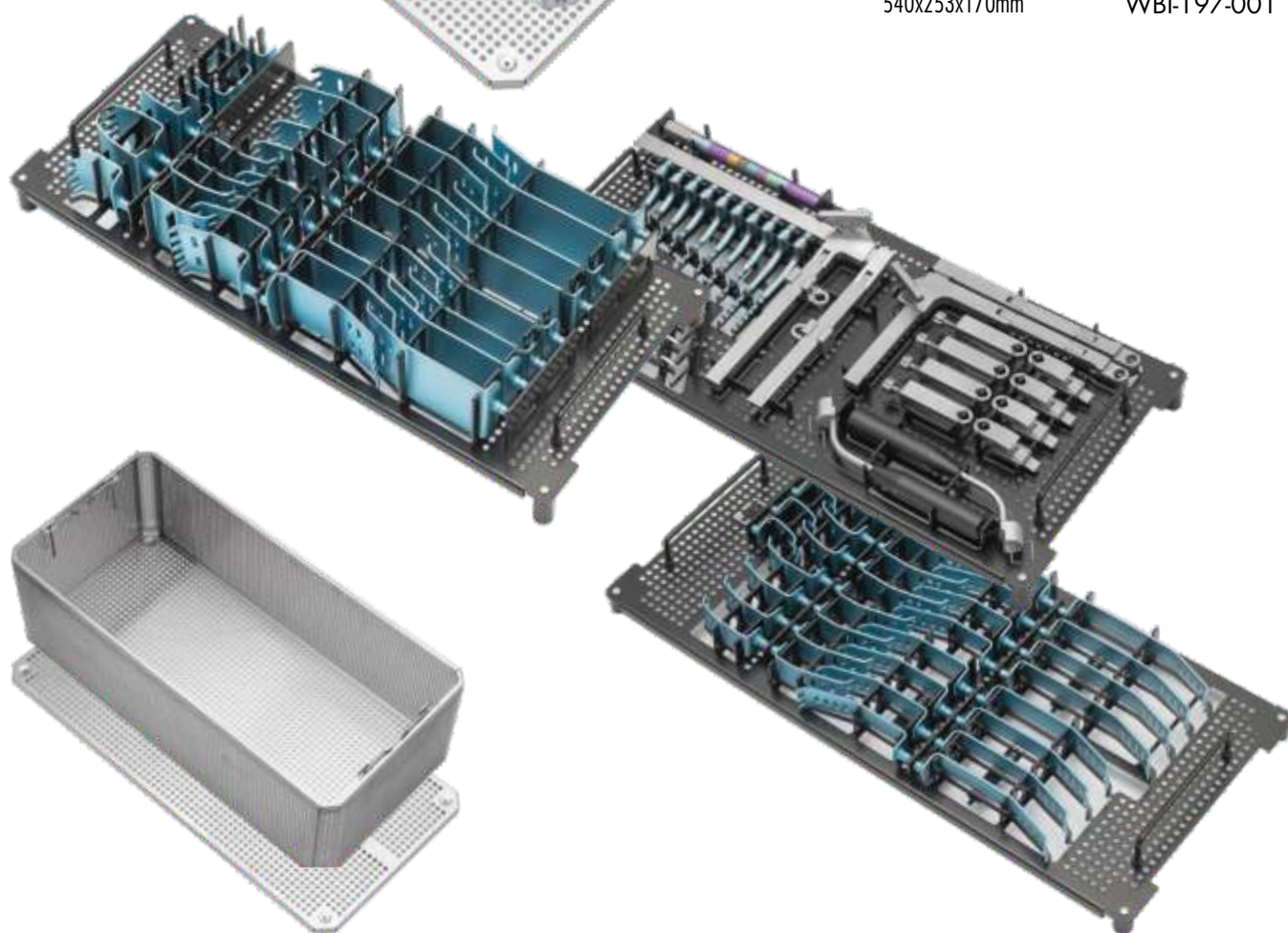
LT Lumbar Retraction Set, complete with tray

WBI-197-000

Tray only

540x253x170mm

WBI-197-001



Retractors

LT - SET FOR LUMBAR RETRACTION



LT Retractor, hinged	
209mm spread	WBI-197-002

LT Retractor, double hinged	
102mm spread	WBI-197-003
209mm spread	WBI-197-004

Retractors

LT - SET FOR LUMBAR RETRACTION



Blade connector with quick coupling

WBI-197-005



Blade connector with screw connection

WBI-197-006



T-Handle

WBI-197-007



Handle, manual blade retraction

WBI-197-009



Depth Gauge

WBI-197-008

Retractors

LT - SET FOR LUMBAR RETRACTION



LT Valve, 6 prongs, 60mm wide

50mm depth	WBI-197-650
60mm depth	WBI-197-660
70mm depth	WBI-197-670
80mm depth	WBI-197-680
90mm depth	WBI-197-690
110mm depth	WBI-197-691
130mm depth	WBI-197-693



LT Hook, toothed

34mm depth, 3 teeth	WBI-197-103
44mm depth, 4 teeth	WBI-197-104
54mm depth, 5 teeth	WBI-197-105
64mm depth, 6 teeth	WBI-197-106
84mm depth, 7 teeth	WBI-197-107



LT Valve, left, 2 prongs

30mm width, 40mm depth	WBI-197-111
60mm width, 45mm depth	WBI-197-112



right, 5 prongs

30mm width, 40mm depth	WBI-197-113
60mm width, 45mm depth	WBI-197-114

Retractors

LT - SET FOR LUMBAR RETRACTION



LT Valve, 3 prongs, 24mm wide

30mm depth	WBI-197-330
40mm depth	WBI-197-340
50mm depth	WBI-197-350
60mm depth	WBI-197-360
70mm depth	WBI-197-370
80mm depth	WBI-197-380
90mm depth	WBI-197-390
110mm depth	WBI-197-410
130mm depth	WBI-197-430



LT Valve, 5 prongs, 45mm wide

50mm depth	WBI-197-550
60mm depth	WBI-197-560
70mm depth	WBI-197-570
80mm depth	WBI-197-580
90mm depth	WBI-197-590
110mm depth	WBI-197-591
130mm depth	WBI-197-593



LT T-Valve, 25mm wide

40mm depth	WBI-197-254
50mm depth	WBI-197-255
60mm depth	WBI-197-256
70mm depth	SI-197-257

Retractors

CASPAR MICRO DISCECTOMY RETRACTOR



CASPAR

Counter Retractor, hinged arms

WBI-185-100

CASPAR

Specula

40mm	WBI-185-040
45mm	WBI-185-045
50mm	WBI-185-050
55mm	WBI-185-055
60mm	WBI-185-060
65mm	WBI-185-065
75mm	WBI-185-070
80mm	WBI-185-080
85mm	SI-185-085

Retractors

CASPAR MICRO DISCECTOMY RETRACTOR



Lateral blade with snap lock

35mm	WBI-185-235
40mm	WBI-185-240
45mm	WBI-185-245
50mm	WBI-185-SI
55mm	WBI-185-255
60mm	WBI-185-260
65mm	WBI-185-265
75mm	WBI-185-275
80mm	WBI-185-280
85mm	WBI-185-285



Medial blade

40mm	WBI-185-340
45mm	WBI-185-345
50mm	WBI-185-350
55mm	WBI-185-355
60mm	WBI-185-360
65mm	WBI-185-365
70mm	WBI-185-370



Blade Ejector Forceps

115mm, 4 ¹ / ₂ "	SI-185-101
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Retractors

MCCULLOCH MICRO DISCECTOMY RETRACTOR



MCCULLOCH

Retractor Frame, with hinged arms

85mm, 3" WBI-170-200

with rigid arms

85mm, 3" WBI-170-100



Retractors

MCCULLOCH MICRO DISCECTOMY RETRACTOR



MCCULLOCH

Muscle blade, 27mm wide, 6 teeth

30mm, 1 ¹ / ₅ "	WBI-170-130
40mm, 1 ² / ₃ "	WBI-170-140
50mm, 2"	WBI-170-150
60mm, 2 ¹ / ₃ "	WBI-170-160
70mm, 2 ⁴ / ₅ "	WBI-170-170
80mm, 3 ¹ / ₅ "	WBI-170-180
90mm, 3 ¹ / ₂ "	WBI-170-190

Blade Set, large

Set with 12 pcs. (2 blades each) WBI-170-130 to WBI-170-180	WBI-170-110
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Blade Set, small

Set with 8 pcs. (2 blades each) WBI-170-140 to WBI-170-170	WBI-170-111
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MCCULLOCH

Muscle blade, 20mm wide, 4 teeth

30mm, 1 ¹ / ₅ "	WBI-170-230
40mm, 1 ² / ₃ "	WBI-170-240
50mm, 2"	WBI-170-SI
60mm, 2 ¹ / ₃ "	WBI-170-260
70mm, 2 ⁴ / ₅ "	WBI-170-270
80mm, 3 ¹ / ₅ "	WBI-170-280

Blade Set, large

Set with 12 pcs. (2 blades each) WBI-170-230 to WBI-170-280	WBI-170-210
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Blade Set, small

Set with 8 pcs. (2 blades each) WBI-170-240 to WBI-170-270	WBI-170-211
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MCCULLOCH

Muscle blade, 17mm wide, 2 teeth

30mm, 1 ¹ / ₅ "	WBI-170-330
40mm, 1 ² / ₃ "	WBI-170-340
50mm, 2"	WBI-170-350
60mm, 2 ¹ / ₃ "	WBI-170-360
70mm, 2 ⁴ / ₅ "	WBI-170-370
80mm, 3 ¹ / ₅ "	WBI-170-380
90mm, 3 ¹ / ₂ "	WBI-170-390

Blade Set, large

Set with 12 pcs. (2 blades each) WBI-170-330 to WBI-170-380	WBI-170-310
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Blade Set, small

Set with 8 pcs. (2 blades each) WBI-170-340 to WBI-170-370	WBI-170-311
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Retractors

MCCULLOCH MICRO DISCECTOMY RETRACTOR



MCCULLOCH

Cervical blade, 20mm wide, 2 teeth

50mm, 2"	WBI-170-650
60mm, 2 ¹ / ₃ "	WBI-170-660
70mm, 2 ⁴ / ₅ "	WBI-170-670



MCCULLOCH

Hook #1

20mm, 4/5"	WBI-170-420
30mm, 1 ¹ / ₅ "	WBI-170-430
40mm, 1 ² / ₃ "	WBI-170-440
50mm, 2"	WBI-170-450
60mm, 2 ¹ / ₃ "	WBI-170-460
70mm, 2 ⁴ / ₅ "	WBI-170-470
80mm, 3 ¹ / ₅ "	WBI-170-480

Blade Set, large

Set with 12 pcs. (2 blades each) WBI-170-420 to WBI-170-470	WBI-170-410
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Blade Set, small

Set with 8 pcs. (2 blades each) WBI-170-430 to WBI-170-460	WBI-170-411
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MCCULLOCH

Hook #2

20mm, 4/5"	WBI-170-520
30mm, 1 ¹ / ₅ "	WBI-170-530
40mm, 1 ² / ₃ "	WBI-170-540
50mm, 2"	WBI-170-550
60mm, 2 ¹ / ₃ "	WBI-170-560
70mm, 2 ⁴ / ₅ "	WBI-170-570
80mm, 3 ¹ / ₅ "	WBI-170-580

Blade Set, large

Set with 12 pcs. (2 blades each) WBI-170-520 to WBI-170-570	WBI-170-510
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Blade Set, small

Set with 8 pcs. (2 blades each) WBI-170-530 to WBI-170-560	WBI-170-511
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Retractors



MCCULLOCH

Tray, small, with lid

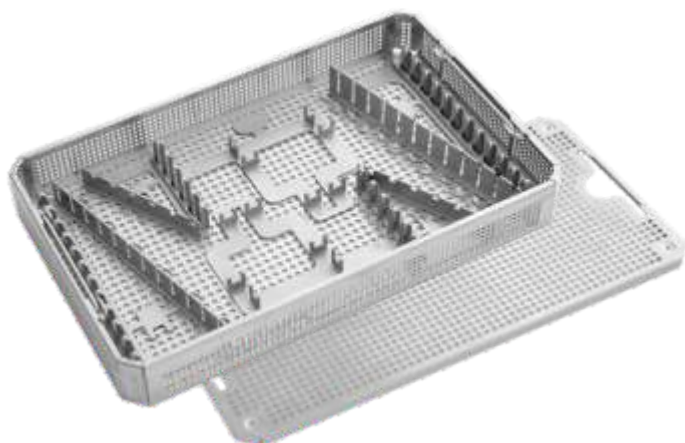
253 x 253 x 50mm WBI-170-000



MCCULLOCH

Set with Tray, small WBI-170-000
and hinged retractors,
blades 2 each, 1 hook each

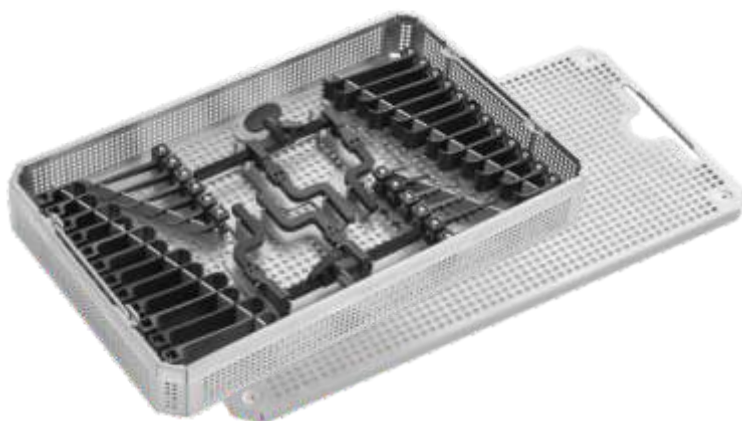
WBI-170-001



MCCULLOCH

Tray, large, with lid

405 x 253 x 50mm WBI-170-002



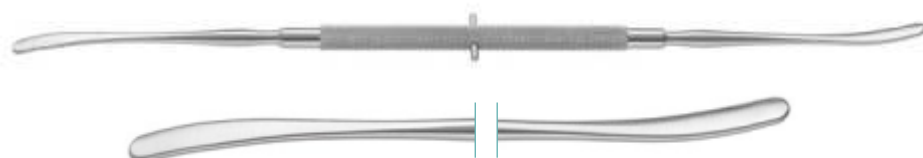
MCCULLOCH

Set with Tray, large WBI-170-002
and hinged retractors,
blades 2 each, 1 hook each

WBI-170-003

Retractors

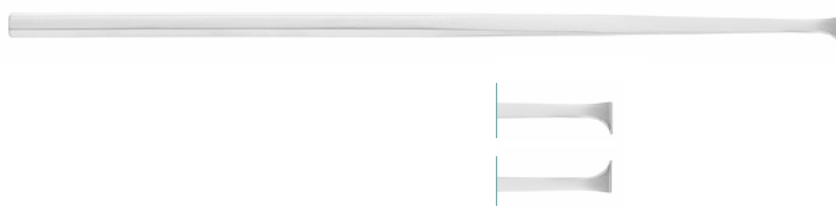
MCCULLOCH MICRO DISCECTOMY RETRACTOR



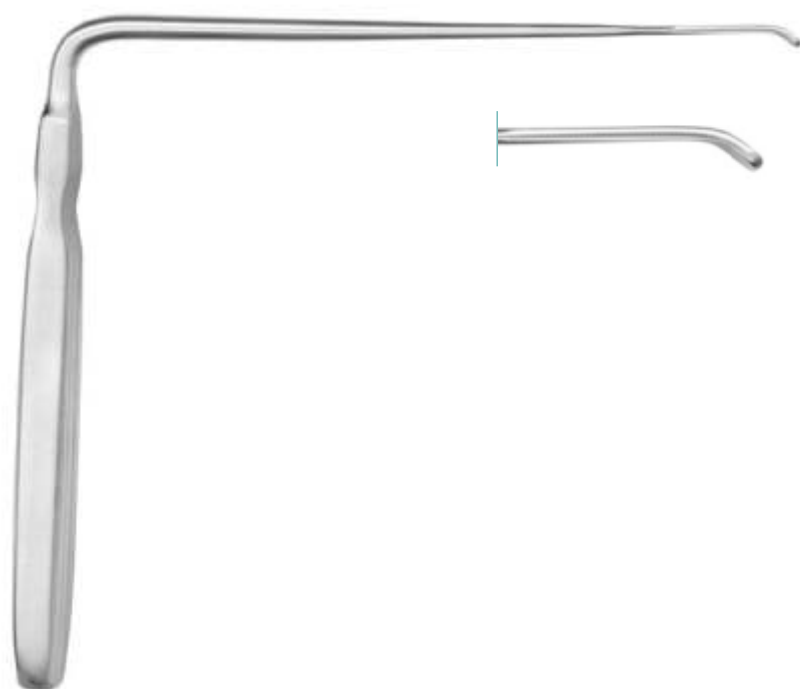
Double Ended Elevator
230mm, 9" WBI-160-042



Osteotome, 215mm, 8¹/₂"
4mm wide WBI-210-004
6mm wide WBI-210-006



Hockey-Stick Chisel, 215mm, 8¹/₂"
left curved WBI-210-005
right curved WBI-211-005



Nerve Root Retractor, 90° angled shaft
6mm wide tip WBI-160-006

Retractors

MCCULLOCH MICRO DISCECTOMY RETRACTOR



Ball Probe, 235mm, 9¹/₄"

4mm tip WBI-230-004

7mm tip WBI-230-007

Manipulation Hook, 235mm, 9¹/₄"

4mm tip WBI-230-104



Spinal Elevator, semi-sharp, 290mm, 11¹/₂"

12mm wide tip WBI-440-100

19mm wide tip WBI-450-100

Retractors

CASPAR WOUND RETRACTOR



CASPAR

Retractor with key

WBI-185-449

CASPAR

Hook

38mm WBI-185-435

58mm WBI-185-437

CASPAR

Blade, 2 prongs

32x22mm WBI-185-442

52x22mm WBI-185-445

62x22mm WBI-185-447

CASPAR

Blade, 3 prongs

37x37mm WBI-185-452

62x37mm WBI-185-457

CASPAR

Blade, 4 prongs

37x52mm WBI-185-462

67x52mm WBI-185-467

Drills



HUDSON

Hand Drill, complete with 4 burrs and extension
(Hudson tightening screw)

270mm, 10²/₃" WBI-152-000

Hand Drill only with clamping screw

WBI-150-000

Hand Drill only with Hudson snap lock

WBI-151-000



Burrs, 60mm length

A Ø 9mm WBI-152-001

B Ø 14mm WBI-152-002

C Ø 16mm WBI-152-003

D Ø 22mm WBI-152-004



Extension piece

WBI-152-009

Scalp Clips



RANEY

Scalp Haemostasis Clip, 10 pcs. per package

WBI-066-001

black

WBI-066-002



RANEY

Applying and Removing Forceps
for WBI-066-001

160mm, 6¹/₄"

WBI-066-003

Suction Tubes



YASARGIL

Suction Cannula, Ø 1.5mm

130mm, 5 ¹ / ₈ "	WBI-064-152
150mm, 6"	WBI-064-154
180mm, 7"	WBI-064-156
220mm, 8 ² / ₃ "	WBI-064-158

Ø 2.0mm

130mm, 5 ¹ / ₈ "	WBI-064-162
150mm, 6"	WBI-064-164
180mm, 7"	WBI-064-166
220mm, 8 ² / ₃ "	WBI-064-168

Ø 2.5mm

130mm, 5 ¹ / ₈ "	WBI-064-172
150mm, 6"	WBI-064-174
180mm, 7"	WBI-064-176
220mm, 8 ² / ₃ "	WBI-064-178

Ø 3.5mm

130mm, 5 ¹ / ₈ "	WBI-064-182
150mm, 6"	WBI-064-184
180mm, 7"	WBI-064-186
220mm, 8 ² / ₃ "	WBI-064-188

Ø 4.5mm

180mm, 7"	WBI-064-189
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Suction Tubes



FUKUSHIMA

Suction tube, conical, malleable, 3mm, 6 1/2"

3 Charr.	WBI-533-163
4 Charr.	WBI-533-164
5 Charr.	WBI-533-SI
6 Charr.	WBI-533-SI



FUKUSHIMA

Suction tube, conical, malleable, 3mm, 7"

3 Charr.	WBI-533-183
4 Charr.	WBI-533-184
5 Charr.	WBI-533-185
6 Charr.	WBI-533-186
7 Charr.	WBI-533-187
8 Charr.	WBI-533-188
9 Charr.	WBI-533-189



FUKUSHIMA

Suction tube, conical, malleable, 3mm, 8 1/8"

3 Charr.	WBI-533-203
4 Charr.	WBI-533-204
5 Charr.	WBI-533-205
6 Charr.	WBI-533-206
7 Charr.	WBI-533-207
8 Charr.	WBI-533-208
9 Charr.	WBI-533-209
10 Charr.	WBI-533-210
12 Charr.	WBI-533-212

Suction Tubes



FRAZIER

Suction tube, 30° angled,
190mm, 7^{1/2}" overall length

5 Charr.	WBI-523-005
6 Charr.	WBI-523-006
7 Charr.	WBI-523-007
8 Charr.	WBI-523-008
9 Charr.	WBI-523-009
10 Charr.	WBI-523-010
11 Charr.	WBI-523-011
12 Charr.	WBI-523-012
15 Charr.	WBI-523-015



FRAZIER

Suction tube, straight,
130mm, 5^{1/8}" working length

6 Charr.	WBI-522-106
8 Charr.	WBI-522-108
10 Charr.	WBI-522-110
12 Charr.	WBI-522-112



BARON

Suction tube, finger cut-off, stylet, 100mm, 4"

3 Charr.	WBI-539-003
5 Charr.	WBI-539-005
7 Charr.	WBI-539-007



ADSON

Suction tube, Ø 4mm, 210mm, 8^{1/4}"

12 Charr.	WBI-521-004
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Percussion Mallets



TAYLOR

Percussion Mallet

170mm, 6²/₃"

WBI-111-170

200mm, 8"

WBI-111-200



TROEMNER

Percussion Mallet

240mm, 9¹/₂"

WBI-113-240



DERJERINE

Percussion Mallet with needle

200mm, 8"

WBI-115-200

