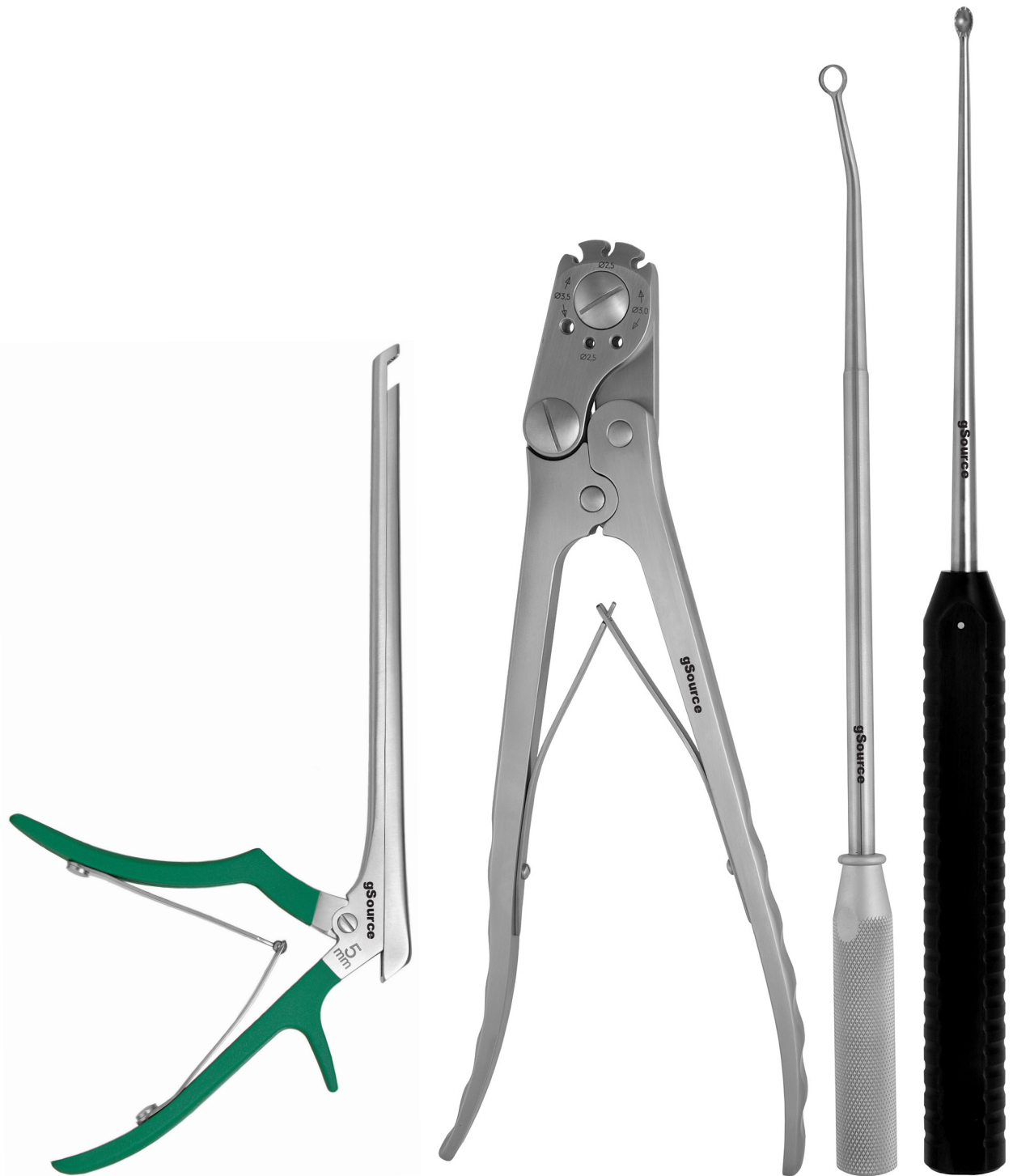


instruments for spine



now available!

gSource®

2 - table of contents/micro





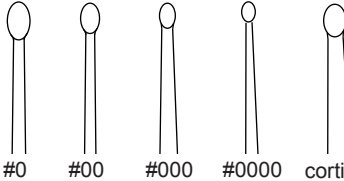

Table of Contents

micro discectomy	2-4
hand-held retractors	4
self-retaining retractors	4-8
dissector	9
elevator	9
bone curettes	9-11
mallet	11
osteotomes	12
rasp	12
grasper rongeur	12
spinal rongeurs	13-15
spinal punches	15-18
pin cutter	19
pin shears	19
rod shears	19

Black aluminum offset handle is designed to provide increased field visualization while providing greater precision and control during microdiscectomy surgery. Rounded corners and flat sides allow for easy rotation with control, stable power and leverage to help reduce unwanted torque.

Each instrument is marked on front of handle for easy identification.

See side view picture of gS 33.4103 on right for tip orientation.

					
forward straight (FS)	forward angled (FA)	backward straight (BS)	backward angled (BA)	#0 #00 #000 #0000	cortical bone cutter
				cup size	
gS 33.4101	gS 33.4111	gS 33.4121	gS 33.4131	Curette #0	
gS 33.4102	gS 33.4112	gS 33.4122	gS 33.4132	Curette #00	
gS 33.4103	gS 33.4113	gS 33.4123	gS 33.4133	Curette #000	
gS 33.4104	gS 33.4114	gS 33.4124	gS 33.4134	Curette #0000	
gS 33.4105	gS 33.4115	gS 33.4125	gS 33.4135	Cortical bone cutter	

Micro Discectomy Cervical Curettes and Cortical Bone Cutter

8 1/2"

with offset aluminum handle, black





- gS 33.4136** Micro nerve hook, 1.8mm
gS 33.4137 Ultra micro nerve hook, 1.5mm
gS 33.4139 Bone waxer, 2.0mm

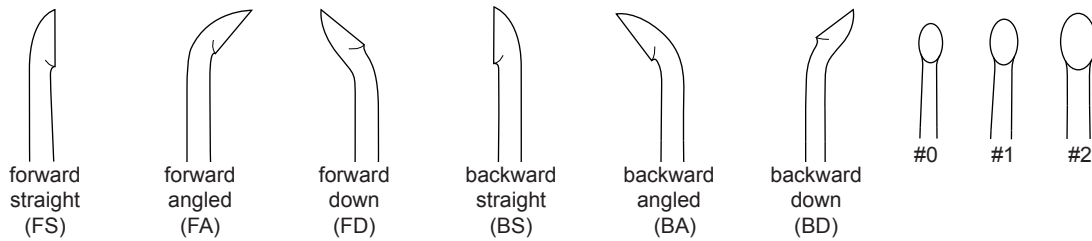
Micro Discectomy Cervical Instruments

8 1/2"

with offset aluminum handle, black



See side view picture of gS 33.4202 on right for tip orientation.



gS 33.4200	gS 33.4210	gS 33.4220	gS 33.4230	gS 33.4240	gS 33.4250	cup size
gS 33.4201	gS 33.4211	gS 33.4221	gS 33.4231	gS 33.4241	gS 33.4251	#0
gS 33.4202	gS 33.4212	gS 33.4222	gS 33.4232	gS 33.4242	gS 33.4252	#1
						#2

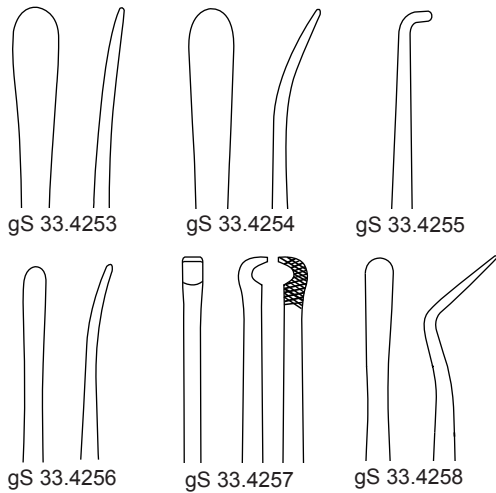
Micro Discectomy Lumbar Curettes

9 1/2"

with offset aluminum handle, black



4 - micro/hand-held and self-retaining retractors



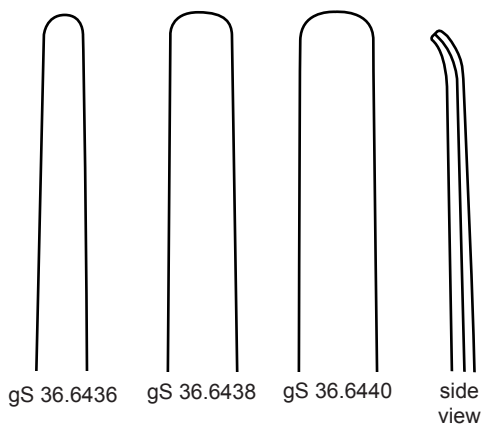
- gS 33.4253** Penfield dissector #1, 6mm slightly curved
gS 33.4254 Penfield dissector #2, 6mm curved
gS 33.4255 Nerve hook, 1.3mm
gS 33.4256 Penfield dissector #4, 3mm slightly curved
gS 33.4257 Bone waxer, 2.8mm
gS 33.4258 Spine probe, 3.8mm

Micro Dissectomy Lumbar Instruments

9 1/2"
 with offset aluminum handle, black



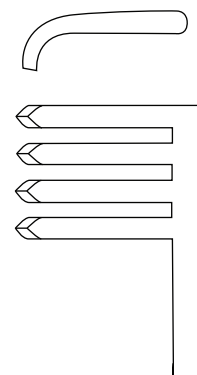
Useful for retraction of the cerebellum in neurological procedures.



- gS 36.6436** 6mm
gS 36.6438 8mm
gS 36.6440 10mm

Caspar Nerve Root Retractor

9 1/2"
 malleable



- gS 40.5430** 6 1/2"

Adson Cerebellar Retractor

angled 80° arms
 4x4 sharp prongs



self-retaining retractors - 5

Interchangeable blades slide easily onto the hinged arms of frame allowing for quick set-up and removal. Useful in microdiscectomy or microdecompression spinal surgeries. TiAIN coating helps to eliminate light reflections.



gS 40.2000 5 1/2", hinged, frame only

McCulloch Retractor and Blades

60mm spread
TiAIN coated, black matte finish

serrated narrow blades (pair)
gS 40.2030 20x30mm depth
gS 40.2040 20x40mm depth
gS 40.2050 20x50mm depth
gS 40.2060 20x60mm depth
gS 40.2070 20x70mm depth
gS 40.2080 20x80mm depth



serrated wide blades (pair)
gS 40.2130 27x30mm depth
gS 40.2140 27x40mm depth
gS 40.2150 27x50mm depth
gS 40.2160 27x60mm depth
gS 40.2170 27x70mm depth
gS 40.2180 27x80mm depth



hook blades (each)
gS 40.2220 20mm depth
gS 40.2230 30mm depth
gS 40.2240 40mm depth
gS 40.2250 50mm depth
gS 40.2260 60mm depth
gS 40.2270 70mm depth



toothed hook blades (each)
gS 40.2320 20mm depth
gS 40.2330 30mm depth
gS 40.2340 40mm depth
gS 40.2350 50mm depth
gS 40.2360 60mm depth
gS 40.2370 70mm depth



Highly versatile retractor.
Double hinged arms fold along patient's back helping to provide unhindered access to surgical site. Interchangeable blades easily connect into openings on hinged arms of frame.

gS 40.7625 Retractor Blade
Ejector Forceps can be used
for blade removal.



gS 40.7690 8 3/4", ring handle only

Double Hinged Retractor and Caspar Blades

blunt blades
gS 40.7644 – **gS 40.7656**



serrated blades
gS 40.7657 – **gS 40.7667**



five prong
gS 40.7668 – **gS 40.7678**



blunt blades (each)	serrated blades (each)
gS 40.7644	gS 40.7657
gS 40.7647	gS 40.7658
gS 40.7648	gS 40.7659
gS 40.7649	gS 40.7660
gS 40.7650	gS 40.7661
gS 40.7651	gS 40.7662
gS 40.7652	gS 40.7663
gS 40.7653	gS 40.7664
gS 40.7654	gS 40.7665
gS 40.7655	gS 40.7666
gS 40.7656	gS 40.7667

five prong (each)	
gS 40.7678	24x25mm depth
gS 40.7668	24x30mm depth
gS 40.7669	24x35mm depth
gS 40.7670	24x40mm depth
gS 40.7671	24x45mm depth
gS 40.7672	24x50mm depth
gS 40.7673	24x55mm depth
gS 40.7674	24x60mm depth
gS 40.7675	24x65mm depth
gS 40.7676	24x70mm depth
gS 40.7677	24x75mm depth

6 - self-retaining retractors

Highly versatile retractor. Hinged arms fold along patient's back helping to provide unhindered access to surgical site. Interchangeable blades easily connect into openings on hinged arms of frame.

See page 5 for Caspar Blades.

gS 40.7625 Retractor Blade Ejector Forceps can be used for blade removal.

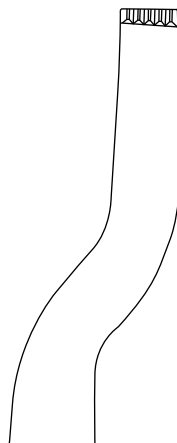


gS 40.7610 4 1/2", hinged, frame only

Caspar Cervical Spreader Hinged

4" arms with 85mm spread transversal

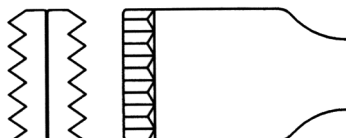
Bayoneted blades help to provide optimized visibility to surgical site.



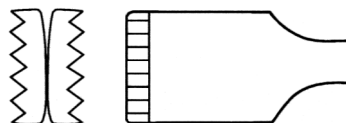
gS 40.3500 11"

Spreader

bayoneted blades with teeth speedlock



gS 40.3260



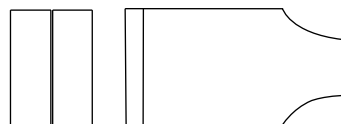
gS 40.3270

gS 40.3260 flat blades with teeth

gS 40.3270 concave blades with teeth

Lamina Spreader

10 1/2" ratchet



gS 40.3265 flat blades without teeth

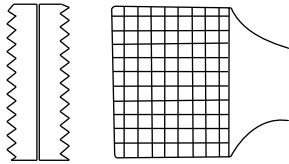
Lamina Spreader

10 1/2" ratchet



self-retaining retractors - 7

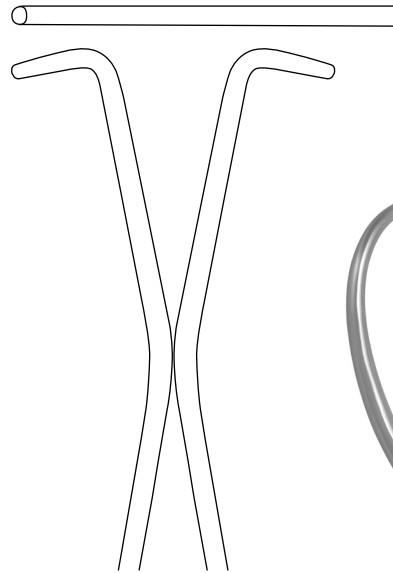
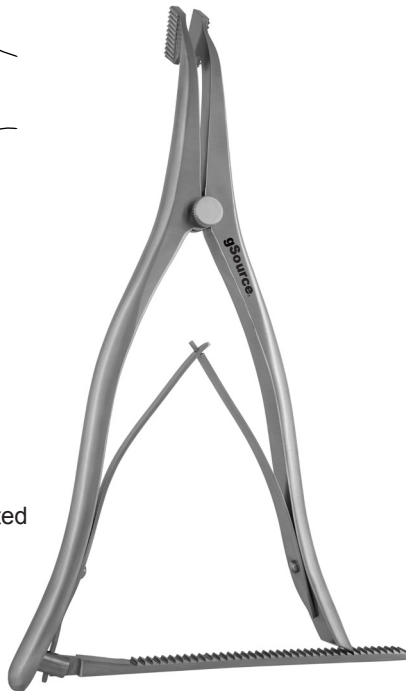
WL = Working Length



gS 40.3275 cross serrated blades

Lamina Spreader

10 1/2"
ratchet



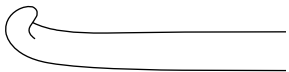
gS 40.8670 7 3/4", 4 1/2" WL

gRetractor, Deep Gelpi

90° angle, 1x1 blunt points
ratchet



Varying working lengths
accommodate different
patient sizes and are
designed to apply limited
pressure on tissue and
muscle, helping to reduce
tissue necrosis.



gS 40.8618 10 1/2", 3" WL

gS 40.8620 10 1/2", 4" WL

gS 40.8622 10 1/2", 5" WL

Deep Gelpi Retractor

90° angle, 1x1 blunt points
ratchet



gS 40.8608 10 1/2", 3" WL

gS 40.8610 10 1/2", 4" WL

gS 40.8612 10 1/2", 5" WL

Deep Gelpi Retractor

90° angle, 1x1 blunt points
speedlock



8 - self-retaining retractors

WL = Working Length

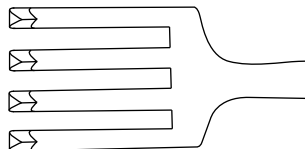
Useful for lateral posterior lumbar interbody fusion procedures in helping to retract past the transverse process. The wrench helps to provide extra torque to attain maximum exposure.



gS 40.8570 10 1/2", 3" WL
gS 40.8572 10 1/2", 4" WL

Deep Gelpi Lateral Retractor

90° angle, 1x1 blunt points
speedlock, wrench



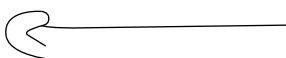
gS 40.8632 10 1/2", 2" WL
gS 40.8638 10 1/2", 3 1/2" WL
gS 40.8640 10 1/2", 4" WL
gS 40.8642 10 1/2", 5" WL

Deep Gelpi Retractor

90° angle, 4 sharp prongs
speedlock



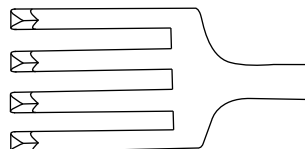
Useful for the sacral or thoracic region of the spine.



gS 40.8628 12", 3" WL

Deep Gelpi Retractor

45° angle, 1x1 blunt points
speedlock



gS 40.8648 13", 3 1/2" WL

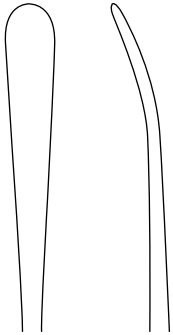
Deep Gelpi Retractor

45° angle, 4 sharp prongs
speedlock



dissector/elevator/bone curettes - 9

Useful in facilitating a discectomy in anterior lumbar fusion and non-fusion procedures.

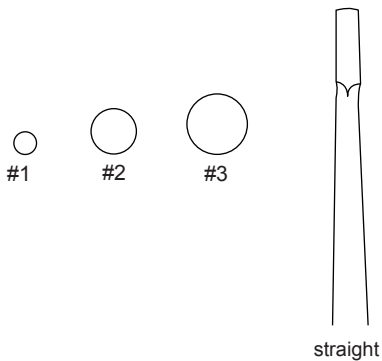


gS 43.9286 10 1/2", slight curved

gDissector

6mm, blunt
with knurled handle

Useful in removing excess tissue for sampling or growths during neurological procedures.

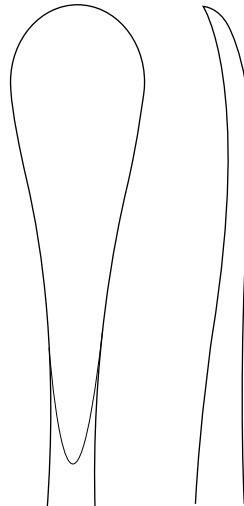


gS 51.5601 15" #1 3mm sharp/sharp
gS 51.5602 15" #2 6mm sharp/sharp
gS 51.5603 15" #3 8mm sharp/sharp

Cone Ring Curette

straight
round fenestrated cups
with aluminum handle

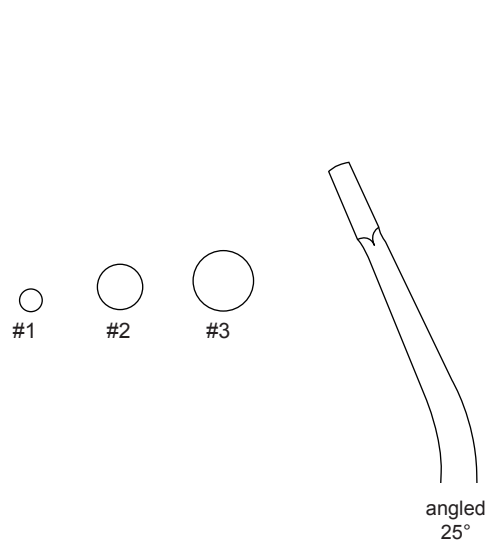
Useful in facilitating a discectomy in anterior lumbar fusion and non-fusion procedures. Double handed grip provides maximum control.



gS 43.9817 17", curved

gElevator, Bone, Double Handed

17mm, sharp
with 9" plastic handle, black



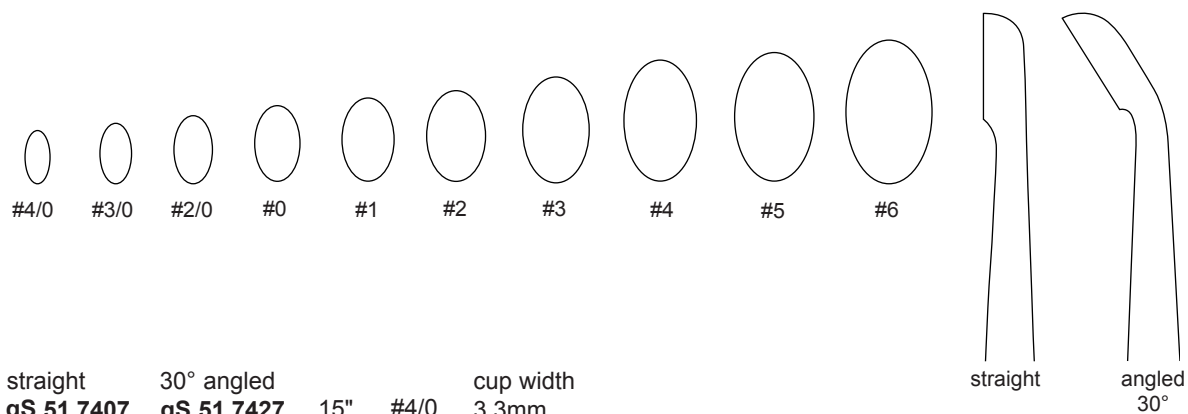
gS 51.5611 15" #1 3mm sharp/sharp
gS 51.5612 15" #2 6mm sharp/sharp
gS 51.5613 15" #3 8mm sharp/sharp

Cone Ring Curette

25° angled
round fenestrated cups
with aluminum handle



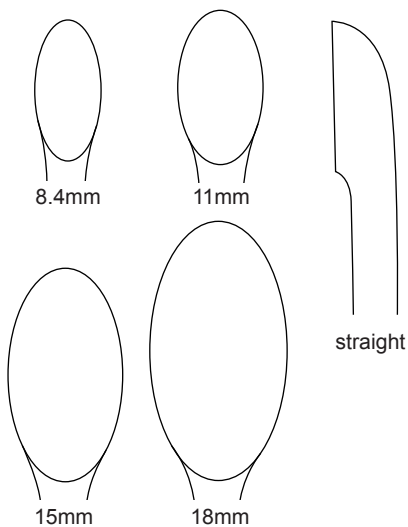
10 - bone curettes



straight	30° angled			cup width
gS 51.7407	gS 51.7427	15"	#4/0	3.3mm
gS 51.7408	gS 51.7428	15"	#3/0	4.2mm
gS 51.7409	gS 51.7429	15"	#2/0	5.1mm
gS 51.7410	gS 51.7430	15"	#0	6.0mm
gS 51.7411	gS 51.7431	15"	#1	6.9mm
gS 51.7412	gS 51.7432	15"	#2	7.8mm
gS 51.7413	gS 51.7433	15"	#3	8.7mm
gS 51.7414	gS 51.7434	15"	#4	9.6mm
gS 51.7415	gS 51.7435	15"	#5	10.5mm
gS 51.7416	gS 51.7436	15"	#6	11.4mm

Bone Curette

oval cups
with hollow handle



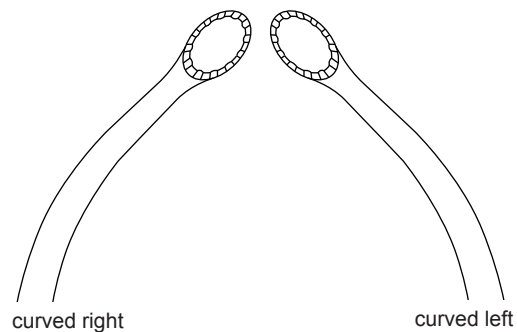
	cup width
gS 51.7501	15" 8.4mm
gS 51.7502	15" 11mm
gS 51.7503	15" 15mm
gS 51.7504	15" 18mm

Bone Curette

straight, oval cups
with knurled T-handle



Double handed grip provides maximum control.



gS 51.4800	17", straight
gS 51.4801	17", curved right
gS 51.4802	17", curved left

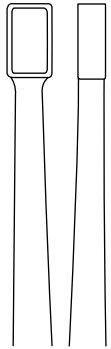
Tooth Curette, Double Handed

6.5mm oval toothed cups
with 9" plastic handle, black

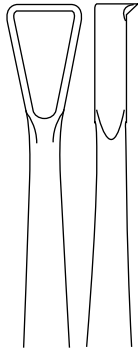


bone curettes/mallet - 11

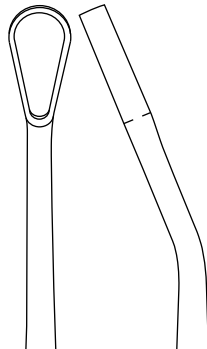
Useful in facilitating discectomy in anterior lumbar fusion and non-fusion procedures. Double handed grip provides maximum control.



gS 51.7706



gS 51.7710



gS 51.7908

gCurette, Box

gS 51.7706 17", straight, 6mm, sharp/blunt

gCurette, Triangle

gS 51.7710 17", straight, 10mm, sharp/blunt

gCurette, Teardrop Ring

gS 51.7908 17", angled, 8mm, sharp/sharp

gCurettes, Double Handed

fenestrated cups
with 9" plastic handle, black



gS 51.7706

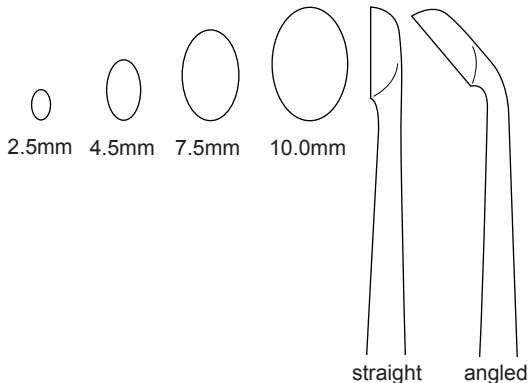


gS 51.7710



gS 51.7908

Useful in facilitating a discectomy in anterior lumbar fusion and non-fusion procedures. Double handed grip provides maximum control. Angled curettes allow access to posterolateral corners.



straight	angled	
gS 51.7802	gS 51.7812	18", 2.5mm
gS 51.7804	gS 51.7814	18", 4.5mm
gS 51.7807	gS 51.7817	18", 7.5mm
gS 51.7810	gS 51.7820	18", 10.0mm

gCurette, Double Handed

oval cups
with 9" plastic handle, black



Using gentle force, can be utilized as a slaphammer with an extractor device to assist with removal of implants.

Stainless steel head with nylon cap.

Biocompatible silicone handle helps to prevent slippage and provide a secure grip.

13mm slot opening.

gS 59.8810 8 1/2"

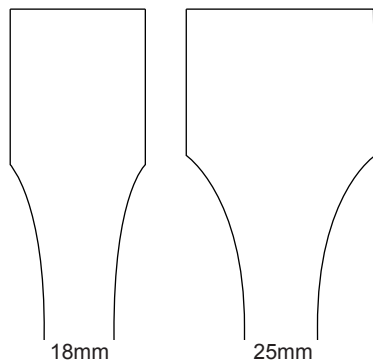
gMallet, Slotted

weight: 1lb 5oz [584g]
head diameter: 35mm
with silicone handle, green



12 - osteotomes/rasp/grasper rongeur

Useful in facilitating a discectomy in anterior lumbar fusion and non-fusion procedures. Double handed grip provides maximum control.



gS 53.7918 17", straight, 18mm

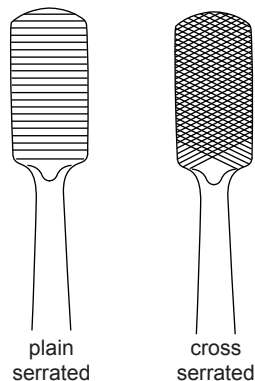
gS 53.7925 17", straight, 25mm

gOsteotome, Double Handed

with 9" plastic handle, black



Useful in facilitating a discectomy in anterior lumbar fusion and non-fusion procedures. Double handed grip provides maximum control.



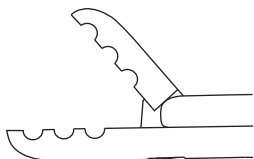
gS 62.9910 17", straight

gRasp, Double Handed

10x20mm, plain and cross serrated with 9" plastic handle, black



Grooved jaw and adjustable locking ratchet help to provide a fixed hold on grasped tissue.



top
jaw



bottom
jaw

gS 68.9805 9", straight

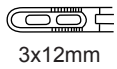
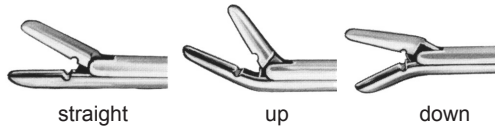
gGrasper Rongeur

5mm, grooved jaw, ratchet

Ferris-Smith Kerrison handle 5"



In most spinal rongeurs, tissue and debris can collect and remain trapped between the main body and slider. The gSource Clean Wave Rongeur has a slider with a wavelike shaped design which allows cleaning utensils to easily reach through the recesses and openings between the main body and slider for cleaning prior to sterilization.



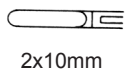
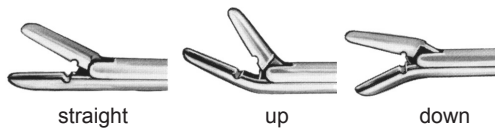
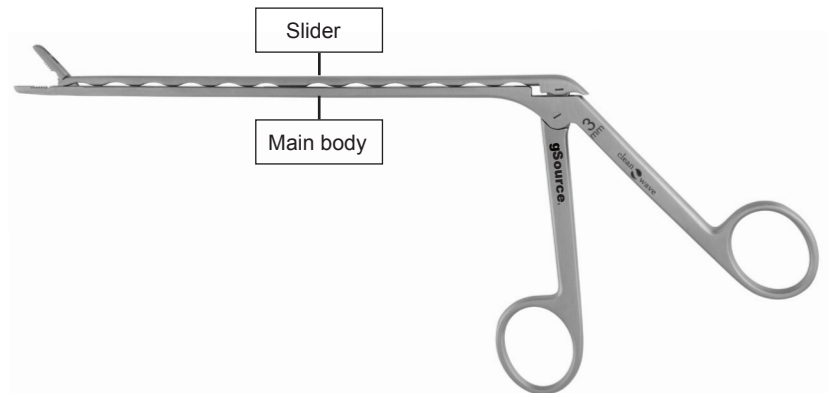
gS 67.0222 7 1/4", straight 2x12mm
gS 67.0223 7 1/4", straight 3x12mm
gS 67.0224 7 1/4", straight 4x14mm

gS 67.0242 7 1/4", up 2x12mm
gS 67.0243 7 1/4", up 3x12mm
gS 67.0244 7 1/4", up 4x14mm

gS 67.0232 7 1/4", down 2x12mm
gS 67.0233 7 1/4", down 3x12mm
gS 67.0234 7 1/4", down 4x14mm

Clean Wave Caspar IVD Rongeur

fenestrated cup, serrated side jaws
 finger ring handle 4"



gS 67.8300 7", straight
gS 67.8320 7", up
gS 67.8340 7", down

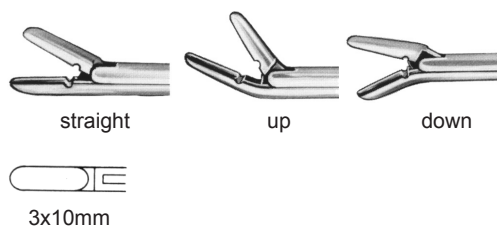
Clean Wave Cushing Rongeur

2x10mm bite
 finger ring handle 4"



14 - spinal rongeurs

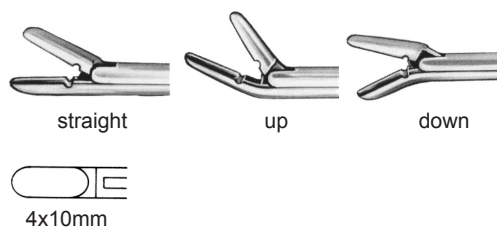
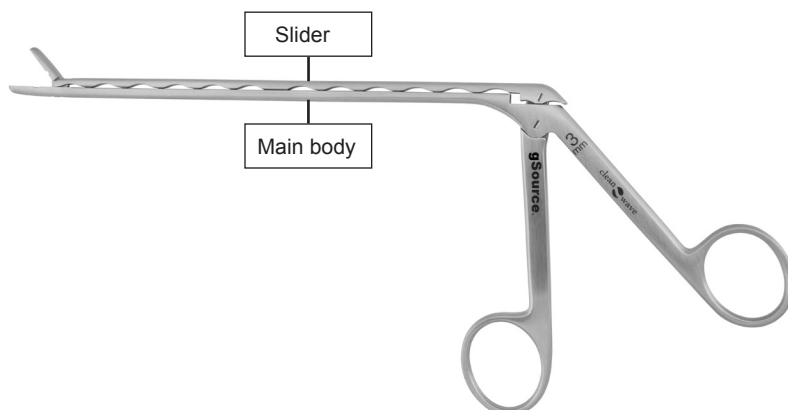
In most spinal rongeurs, tissue and debris can collect and remain trapped between the main body and slider. The gSource Clean Wave Rongeur has a slider with a wavelike shaped design which allows cleaning utensils to easily reach through the recesses and openings between the main body and slider for cleaning prior to sterilization.



- gS 67.8800** 7", straight
- gS 67.8820** 7", up
- gS 67.8840** 7", down

Clean Wave Love Gruenwald Rongeur

3x10mm bite
finger ring handle 4"



- gS 67.9400** 7", straight
- gS 67.9420** 7", up
- gS 67.9440** 7", down

Clean Wave Spurling Rongeur

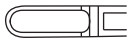
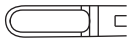
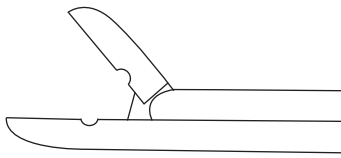
4x10mm bite
finger ring handle 4"



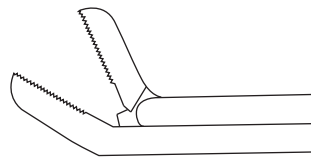
spinal rongeurs and punches - 15

WL = Working Length

Useful in facilitating a discectomy in anterior lumbar fusion and non-fusion procedures.



gS 68.9824



gS 68.9844

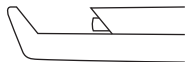
- gS 68.9824** 13", straight 4mm
- gS 68.9826** 13", straight 6mm
- gS 68.9843** 13", up 3mm serrated jaws
- gS 68.9844** 13", up 4mm serrated jaws
- gS 68.9848** 13", up 7.5mm serrated jaws

gRongeur, Disc

non-serrated straight and serrated up jaws
Ferris-Smith-Kerrison handle 5"



Bayoneted shaft helps to provide
optimized visibility to surgical site.



- gS 70.5841** 8", forward 1mm
- gS 70.5842** 8", forward 2mm with bone ejector
- gS 70.5843** 8", forward 3mm with bone ejector
- gS 70.5844** 8", forward 4mm with bone ejector
- gS 70.5845** 8", forward 5mm with bone ejector
- gS 70.5846** 8", forward 6mm with bone ejector

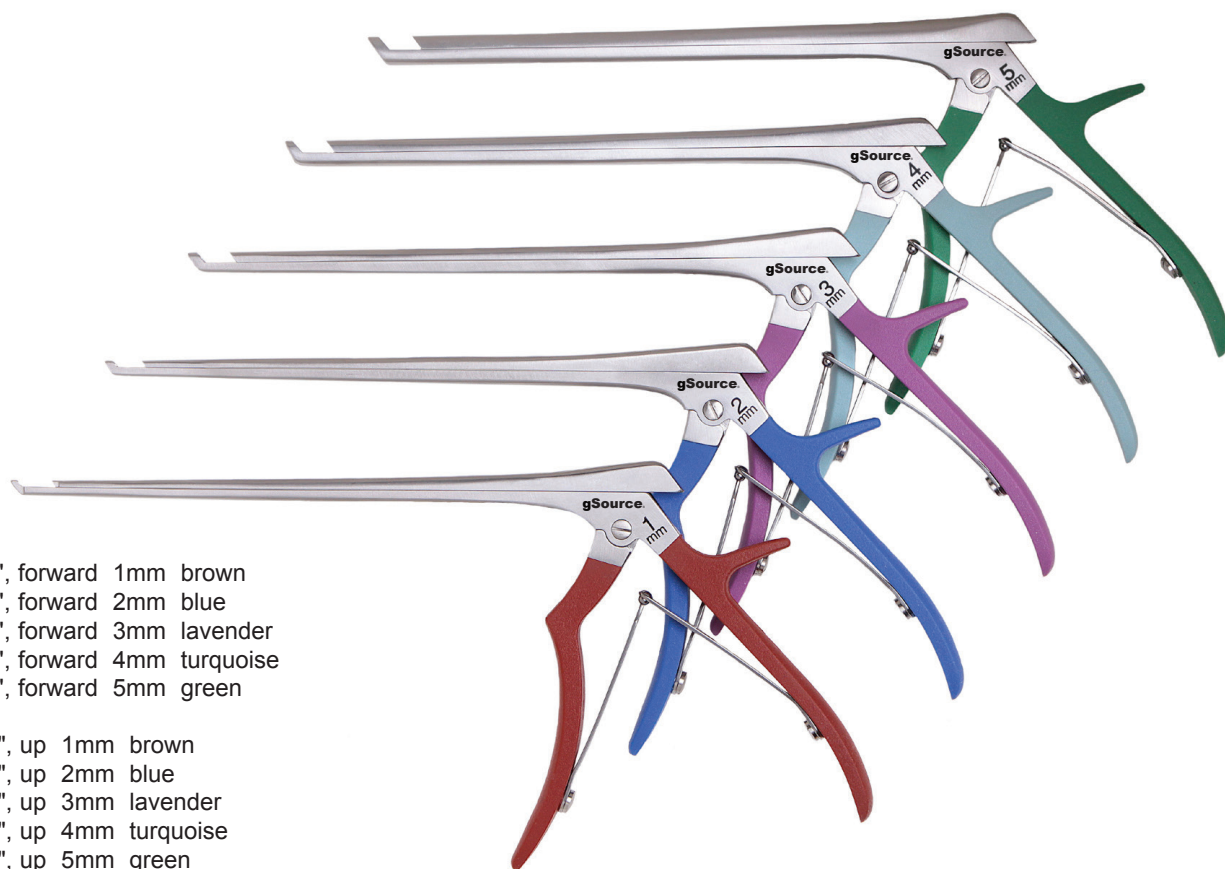
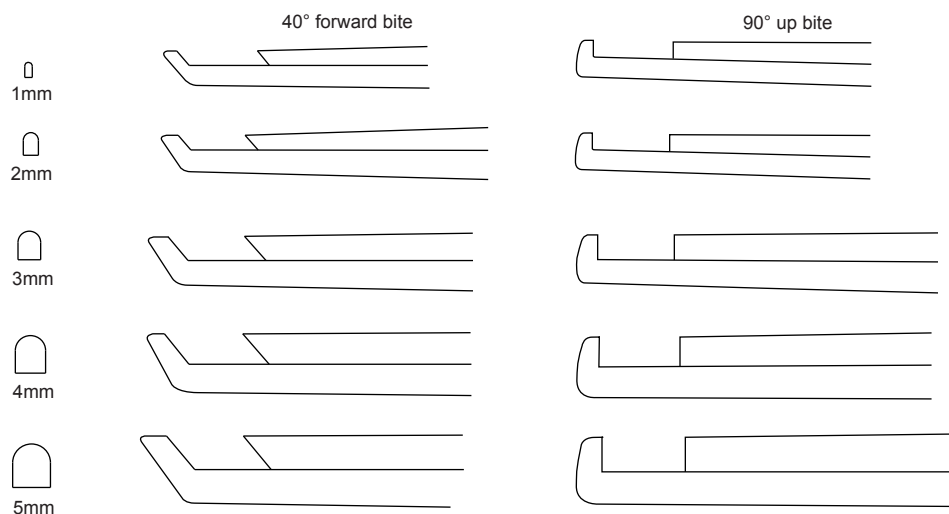
Spurling Kerrison Bayonet Punch

120mm WL
regular foot plate
Ferris-Smith-Kerrison handle 5"



16 - spinal punches

Biocompatible silicone coated handles help to prevent slippage and provide a secure grip.



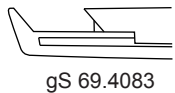
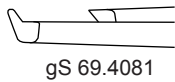
gS 72.8011 8", forward 1mm brown
gS 72.8012 8", forward 2mm blue
gS 72.8013 8", forward 3mm lavender
gS 72.8014 8", forward 4mm turquoise
gS 72.8015 8", forward 5mm green

gS 72.8021 8", up 1mm brown
gS 72.8022 8", up 2mm blue
gS 72.8023 8", up 3mm lavender
gS 72.8024 8", up 4mm turquoise
gS 72.8025 8", up 5mm green

gPunch, Silicone Coated Handle
 regular foot plate
 Ferris-Smith-Kerrison handle 5"

spinal punches - 17

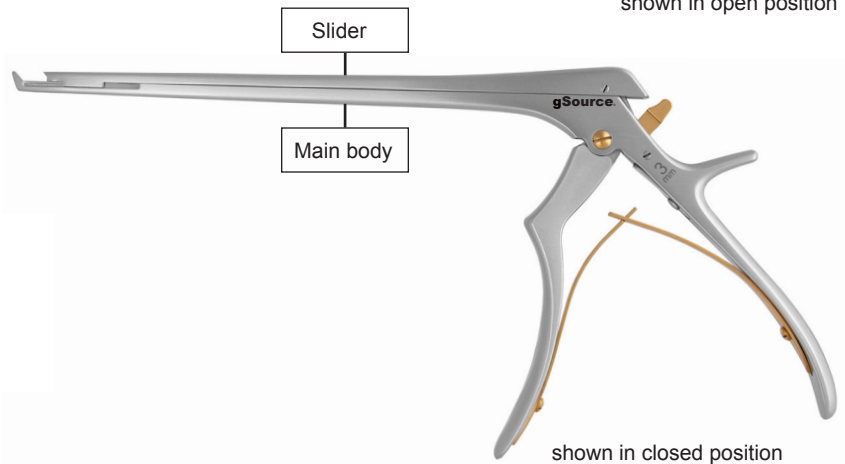
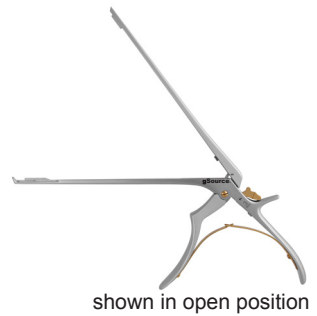
In most spinal punches, tissue and debris can collect and remain trapped between the main body and slider. The gSource Easy2Clean Kerrison Punch has a slider that opens in order to allow for easy and complete cleaning inside the main body. It remains in one piece when opened so there are no loose instrument components.



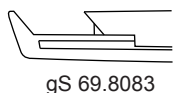
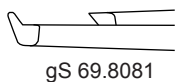
- gS 69.4081** 8", forward 1mm
- gS 69.4082** 8", forward 2mm with bone ejector
- gS 69.4083** 8", forward 3mm with bone ejector
- gS 69.4084** 8", forward 4mm with bone ejector
- gS 69.4085** 8", forward 5mm with bone ejector
- gS 69.4086** 8", forward 6mm with bone ejector

Easy2Clean Kerrison Punch

satin finish
thin foot plate
Ferris-Smith-Kerrison handle 5"



TiAIN ceramic coating helps to provide improved strength, increased cutting edge hardness, reduced glare and a smoother action.



- gS 69.8081** 8", forward 1mm
- gS 69.8082** 8", forward 2mm with bone ejector
- gS 69.8083** 8", forward 3mm with bone ejector
- gS 69.8084** 8", forward 4mm with bone ejector
- gS 69.8085** 8", forward 5mm with bone ejector
- gS 69.8086** 8", forward 6mm with bone ejector

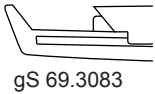
Easy2Clean Kerrison Punch

TiAIN ceramic coated, black matte finish
thin foot plate
Ferris-Smith-Kerrison handle 5"



18 - spinal punches

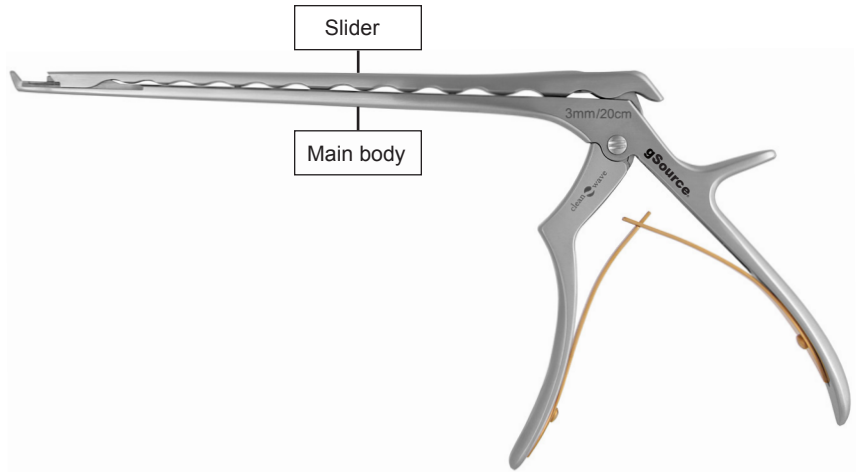
In most spinal punches, tissue and debris can collect and remain trapped between the main body and slider. The gSource Clean Wave Kerrison Punch has a slider with a wavelike shaped design which allows cleaning utensils to easily reach through the recesses and openings between the main body and slider for cleaning prior to sterilization.



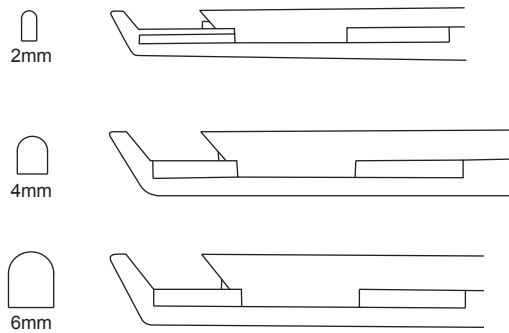
- gS 69.3081** 8", forward 1mm
- gS 69.3082** 8", forward 2mm with bone ejector
- gS 69.3083** 8", forward 3mm with bone ejector
- gS 69.3084** 8", forward 4mm with bone ejector
- gS 69.3085** 8", forward 5mm with bone ejector

Clean Wave Kerrison Punch

Ferris-Smith-Kerrison handle 5"
thin foot plate



Useful in facilitating a discectomy in anterior lumbar fusion and non-fusion procedures.



- gS 70.6302** 13", forward 2mm with bone ejector
- gS 70.6304** 13", forward 4mm with bone ejector
- gS 70.6306** 13", forward 6mm with bone ejector

gPunch, Spurling Kerrison

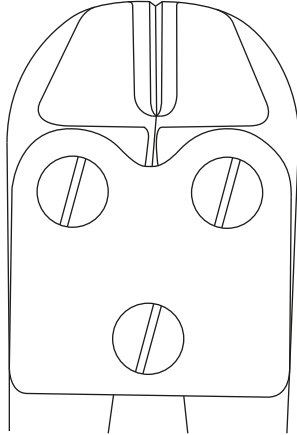
regular foot plate
Ferris-Smith-Kerrison handle 5"



pin cutter/pin and rod shears - 19

DA = Double Action

Double action design provides a smooth and easy cutting action.



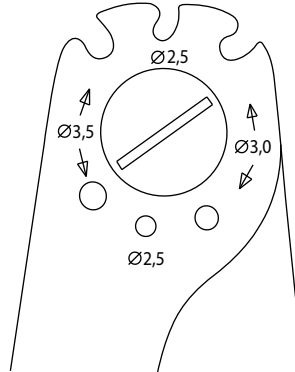
gS 83.8880 9"

gPin Cutter DA Angled

tungsten carbide inserts
max cap 2.8mm [7/64"]



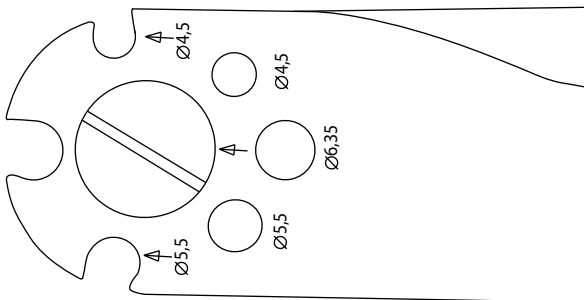
Shears pins with ease and provides a clean cut without burrs or sharp edges. Handles are ergonomically designed for a comfortable grip and grooved to help prevent slippage.



gS 83.9135 11 1/2"

Pin Shears DA

for 2.5mm [.098"], 3.0mm
[.118"], 3.5mm [9/64"]
diameter pins



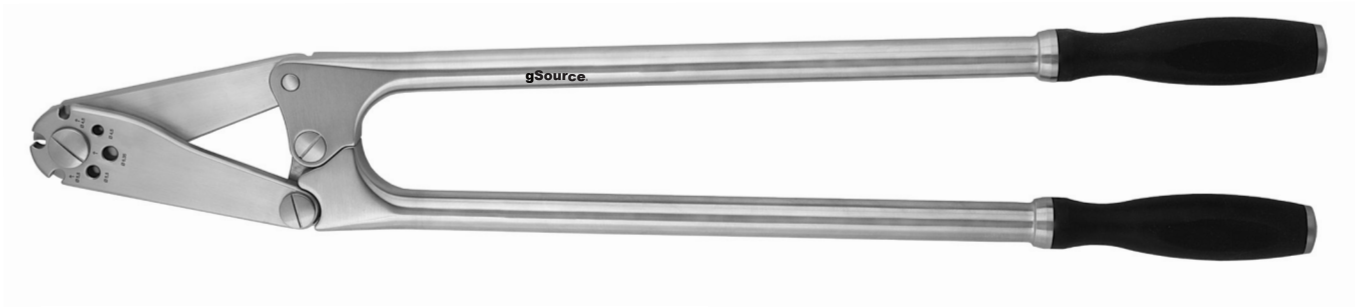
gS 83.7280 22", non-detachable handles

gS 83.7290 22", detachable handles

gSilicone Rod Shears DA

for 4.5mm [.177"], 5.5mm [.217"], 6.35mm [1/4"] diameter rods
black silicone handles

Shears rods with ease and provides a clean cut without burrs or sharp edges. Biocompatible silicone handles help to prevent slippage and provide a secure and comfortable grip.



gSource

gSource is committed to putting the finest instruments into the hands of surgeons and their teams.

Not all instruments are created equal. Adequate for the job is, in reality, inadequate. A better instrument reduces distractions and facilitates operations. A better instrument helps a surgeon perform at his/her best. A better instrument leads to better results. gSource provides better instruments.

Orthopedic Focus

We are more than a source for quality instrumentation. gSource is an advocate for the orthopedic community. We can be relied upon to provide superior instrumentation for spinal and orthopedic procedures, and do so in a time critical fashion.

gSource Instrument Attributes

Whether crafted from German surgical stainless steel, or machined from U.S. surgical stainless steel, our instruments are recognized by their finely finished surface. They are designed to perform with precise surgical function and are also conceived to be affordable. It is this combination that distinguishes the gSource brand.

gSource Verified Quality

Every gSource instrument must pass detailed Quality Assurance tests before it can be sold. Instruments are tested for quality of material, workmanship, function, pattern consistency and critical dimensions.

Instrument reSource

The gSource catalog contains 3,500 instruments primarily used in orthopedic and spinal procedures. To view our catalog or for a quick answer on availability of other patterns, refer to our website at www.gSource.com. Please inquire about the availability of any instrument not shown in the catalog.

Custom Instrumentation

We will create entirely new instruments in a timely and economical manner. For an accurate quotation and delivery schedule, send us a drawing, sketch or sample.



gSource, LLC
19 Bland Street
Emerson, NJ 07630
USA

P (800) 978-1119
(201) 599-2277
F (201) 599-3306
E email@gSource.com
www.gSource.com

Service First

Your inquiries will be answered quickly and accurately by knowledgeable professionals.

Trusted Supplier to World Leaders

Many world leaders and innovators in orthopedics and spine have found in gSource a trusted and reliable partner. We provide superior instrumentation in a time-critical fashion and at realistic prices.

Guarantee

All standard instruments are guaranteed for life against manufacturing defects of material and workmanship. Any instrument proving to be defective will be replaced or the purchase price refunded.

1. Tungsten carbide inserts are guaranteed for three years. Replaceable parts, other than springs, are guaranteed for one year. Replaceable springs are guaranteed for life against manufacturing defects of material and workmanship.
2. This guarantee is void if instruments are altered or not maintained or repaired properly or if they are not used for their intended surgical purpose.
3. Any unused instrument may be returned for full credit within 90 days of invoice date.

gSource Advantages

- On-time delivery
- Realistic price
- Verified quality
- German craftsmanship
- Precise U.S. machining
- Orthopedic and spinal focus
- Product development support
- CAD support
- Custom labeling, packaging and marking
- Large selection and inventory
- Adaptability/flexibility
- Superior customer service
- Full satisfaction guarantee



ISO 13485: 2003 Certified
FS 589741
FDA Registered



gSource, LLC Founded 1999