



Kerrison Rongeur

One of the workhorse instruments in spine surgery is the Kerrison rongeur, which is used for removal of ligaments/bone adjacent to neural elements. In pediatric spine surgery, a Kerrison rongeur is often used for posterior column osteotomies and neural decompression.

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COMPANY PROFILE

General Info

EST. 2010 WARSI SURGICAL INDUSTRIES is a family owned company. We Manufacture and Export all types of general surgical and Orthopedic instruments. We are running this family business in third generation. We have gained excellent reputation among our buyers worldwide with a moto of INSTRUMENT FOR LIFE.

Contact info

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(Export & Operational Manager)

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Membership

- 1 # THE SURGICAL INSTRUMENTS MANUFACTURERS ASSOCIATION OF PAKISTAN, SIALKOT M # W084
- 2 # THE SIALKOT CHAMBER OF COMMERCE & INDUSTRY, SIALKOT, PAKISTAN, M # A- 25308

No. of Employees

- 3-EMPLOYEES WORKING ON QCD
- 2- EMPLOYEES WORKING ON MANAGEMENT CONTROL SYSTEM.
- 40 SKILLED WORKING IN DIFFERENT TYPE OF MANUFACTURING UNITS

Production Cap.

6000/PCS. TO 10000/PCS. MONTHLY PRODUCTION
IN DIFFERENT OF INSTRUMENTS
ACCORDING TO THE PRESCRIBED INSTRUCTIONS
OF QUALITY MANAGEMENT SYSTEMS

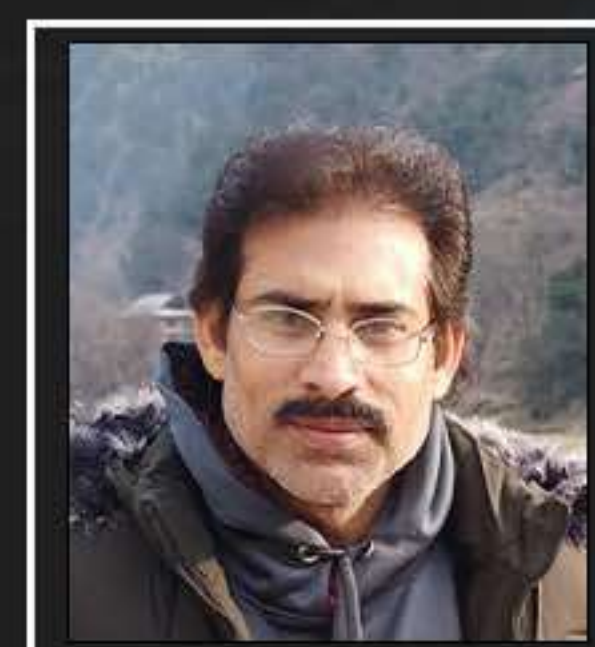
Partners Info



MUHAMMAD AZAM
(Chief Executive)



MUHAMMAD AZEEM
(Export & Operational Manager)



MUHAMMAD ASIM
(Quality Control Manager)



MUHAMMAD AZEEM
(Production Manager)



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OUT MOTTO

TO BECOME A GLOBAL GROUP OF COMPANIES BY PROVIDING
OUR VALUEABLE
CUSTOMERS THE BEST QUALITY PRODUCTS AND PROMPT
SERVICES THROUGH PRODUCTS
INNOVATION, DEVELOPMENT AND ACQUISITION OF TECHNOLOGY. SATISFICATION OF
OUR CUSTOMERS AND EMPLOYEE IS A MAJOR IMPORTANT
PART OF OUR MISSION.

Warsi Surgical Industries. is a family owned company, dedicated to giving you the personalized service you deserve. We have been supplying the medical industry with the finest in surgical instrumentation for all specialties for over 11 years. From Pakistan, we offer complete service and custom instrument manufacturing in addition to our already broad line of instruments. When you buy from WARSI SURGICAL INDUSTRIES, you are guaranteed the best. Not only the best instruments, but the best service as well. If you ever have a question, we're here to help. We will be happy to give you the support you need.

Our Mission

Aim to provide products satisfactory for End user needs with accommodation of reliability for life.

Guarantee

We offer the broadest, highest quality line, reusable surgical instruments. Because of that, our instruments have a lifetime warranty against defects in material or workmanship when used for their intended purpose and when cared for according to industry standards. If you have any questions about use or care please do not hesitate to call us. When you buy from WARSI, you are guaranteed the best instruments and the best service. Just give us a call and find out how much we already know about surgical specialties and your instrument needs!

Muhammad Azam,
Chief Executive.

Registration & Membership



Certifications



Introduction To Kerriosns

One of the workhorse instruments in spine surgery is the Kerrison rongeur, which is used for removal of ligaments/bone adjacent to neural elements. In pediatric spine surgery, a Kerrison rongeur is often used for posterior column osteotomies and neural decompression.

Philip D. Kerrison is the inventor of the first product kerrison rongeur (1872–1944)
Kerrison rongeurs were developed in otology to decompress bone near the facial nerve. The McCulloch, Caspar, and Cloward retractors helped improve exposure during the emergence of new techniques, i.e., microdiscectomy and anterior cervical discectomy and fusion.

The histories behind these eponymous instruments remind us that innovation sometimes begins in other specialties and demonstrate the role of innovation in improving patient care.

FOOTPLATE COMPARISON CHART

TYPES	JAW WIDTH	THICKNESS
STANDARD FOOTPLATE KERRIOSN	1mm	2.1mm +/- 0.1mm
	2mm	2.3mm +/- 0.1mm
	2.5mm	2.5mm +/- 0.1mm
	3mm	2.6mm +/- 0.1mm
	3.5mm	2.7mm +/- 0.1mm
	4mm	2.8mm +/- 0.1mm
	5mm	3.0mm +/- 0.1mm
	6mm	3.3mm +/- 0.1mm
THIN FOOTPLATE KERRIOSN	1mm	1.7mm +/- 0.1mm
	2mm	1.8mm +/- 0.1mm
	2.5mm	1.9mm +/- 0.1mm
	3mm	2.0mm +/- 0.1mm
	4mm	2.2mm +/- 0.1mm
	5mm	2.4mm +/- 0.1mm
ULTAR- THIN FOOTPLATE KERRIOSN	1mm	1.3mm +/- 0.1mm
	2mm	1.5mm +/- 0.1mm
	3mm	1.6mm +/- 0.1mm
	4mm	2.8mm +/- 0.1mm
	5mm	2.0mm +/- 0.1mm



• Up Cutting Kerrison Rounger

- up cutting Kerrisons are available in following Bite options and designs.

Available Degrees



- Thick footplate.

- Thin Footplate.



	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
40° Up-Angle	1 mm	KR-0921-N151	KR-0921-N181	KR-0921-N201
	2 mm	KR-0921-N152	KR-0921-N182	KR-0921-N202
	3 mm	KR-0921-N153	KR-0921-N183	KR-0921-N203
	4 mm	KR-0921-N154	KR-0921-N184	KR-0921-N204
	5 mm	KR-0921-N155	KR-0921-N185	KR-0921-N205
	6 mm	KR-0921-N156	KR-0921-N186	KR-0921-N206

	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
Up-Bite	1 mm	KR-0921-9151	KR-0921-9181	KR-0921-9201
	2 mm	KR-0921-9152	KR-0921-9182	KR-0921-9202
	3 mm	KR-0921-9153	KR-0921-9183	KR-0921-9203
	4 mm	KR-0921-9154	KR-0921-9184	KR-0921-9204
	5 mm	KR-0921-9155	KR-0921-9185	KR-0921-9205
	6 mm	KR-0921-N156	KR-0921-9186	KR-0921-9206



• Kerrison Down Cutting Ronger

- Down cutting Kerrisons are available in following Bite options and designs.

Available Degrees



- Thick footplate.
- Thin Footplate.

Check Dimension From Footplate Comparison Chart

	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
1 mm		KR-0221-D151	KR-0221-D181	KR-0221-D201
2 mm		KR-0221-D152	KR-0221-D182	KR-0221-D202
3 mm		KR-0221-D153	KR-0221-D183	KR-0221-D203
4 mm		KR-0221-D154	KR-0221-D184	KR-0221-D204
5 mm		KR-0221-D155	KR-0221-D185	KR-0221-D205
6 mm		KR-0221-D156	KR-0221-D186	KR-0221-D206

	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
1 mm		KR-0221-9151	KR-0921-9181	KR-0921-9201
2 mm		KR-0221-9152	KR-0921-9182	KR-0921-9202
3 mm		KR-0221-9153	KR-0921-9183	KR-0921-9203
4 mm		KR-0221-9154	KR-0921-9184	KR-0921-9204
5 mm		KR-0221-9155	KR-0921-9185	KR-0921-9205
6 mm		KR-0221-N156	KR-0921-9186	KR-0921-9206



• Long Shaft Kerrison Ronger

- Long shaft kerrison ronger are available in following Bite options and designs.

Available Degrees



- Thick footplate.

- Thin Footplate.



	Bite Width	Length of Shaft			
		8' / 15 cm	9' / 22 cm	10' / 25 cm	12' / 30 cm
40° Up-Angle	1 mm	KR-12PE-N151	KR-12PE-N181	KR-12PE-N201	KR-12PE-N201
	2 mm	KR-12PE-N152	KR-12PE-N182	KR-12PE-N202	KR-12PE-N202
	3 mm	KR-12PE-N153	KR-12PE-N183	KR-12PE-N203	KR-12PE-N203
	4 mm	KR-12PE-N154	KR-12PE-N184	KR-12PE-N204	KR-12PE-N204
	5 mm	KR-12PE-N155	KR-12PE-N185	KR-12PE-N205	KR-12PE-N205
	6 mm	KR-12PE-N156	KR-12PE-N186	KR-12PE-N206	KR-12PE-N206

	Bite Width	Length of Shaft			
		8' / 15 cm	9' / 22 cm	10' / 25 cm	12' / 30 cm
Up-Bite	1 mm	KR-12PE-9151	KR-12PE-9181	KR-12PE-9201	KR-12PE-9201
	2 mm	KR-12PE-9152	KR-12PE-9182	KR-12PE-9202	KR-12PE-9202
	3 mm	KR-12PE-9153	KR-12PE-9183	KR-12PE-9203	KR-12PE-9203
	4 mm	KR-12PE-9154	KR-12PE-9184	KR-12PE-9204	KR-12PE-9204
	5 mm	KR-12PE-9155	KR-12PE-9185	KR-12PE-9205	KR-12PE-9205
	6 mm	KR-12PE-9156	KR-12PE-9186	KR-12PE-9206	KR-12PE-9206



• Kerrison Ejector Rongeur

- Kerrison pin ejector rongeur are available in following Bite options and designs.

Available Degrees



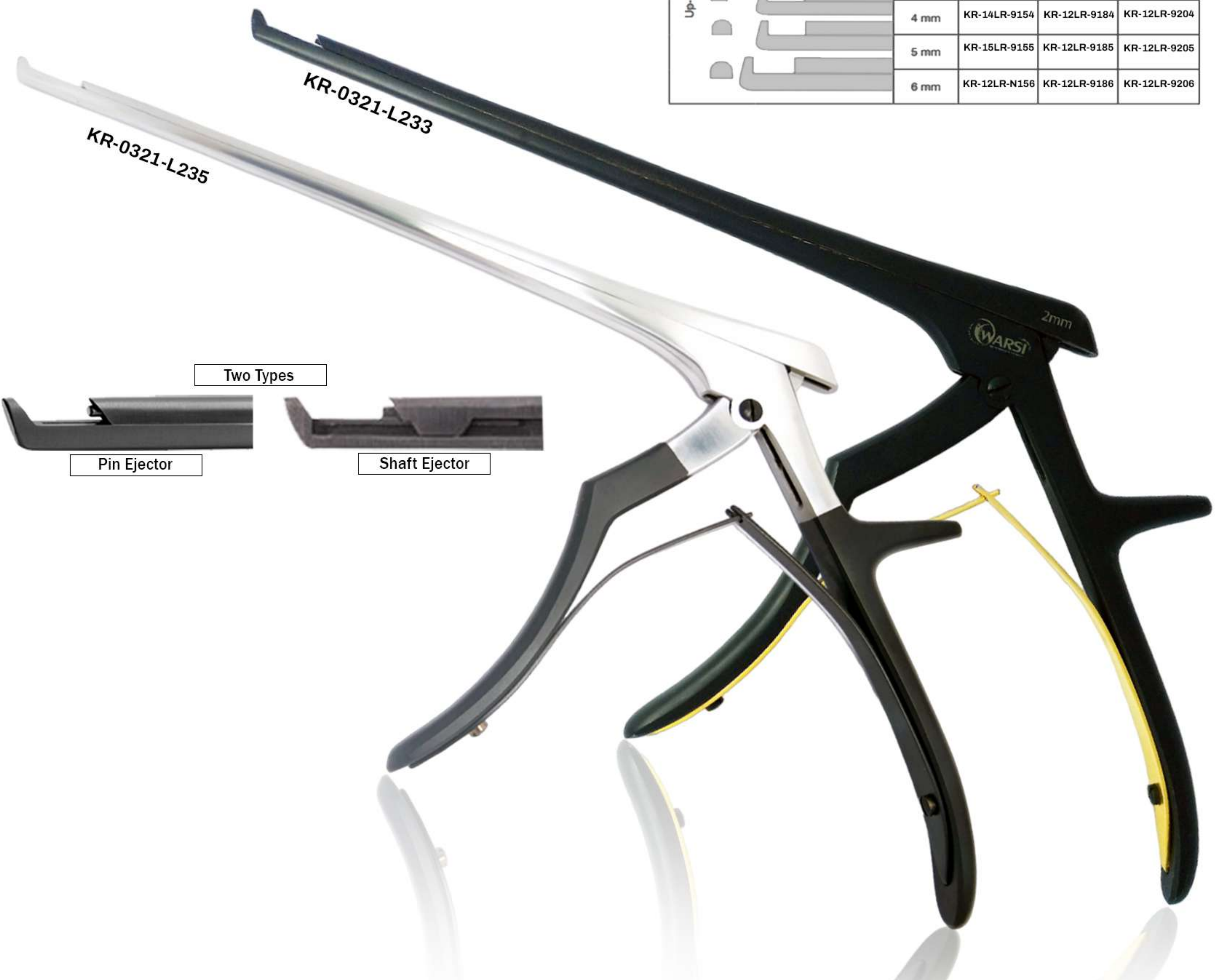
- Thick footplate.

- Thin Footplate.



	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
40° Up-Angle	1 mm	KR-0321-L231	KR-1221-L181	KR-1221-L211
	2 mm	KR-0321-L232	KR-1221-L182	KR-1221-L212
	3 mm	KR-0321-L233	KR-1221-L183	KR-1221-L213
	4 mm	KR-0321-L234	KR-1221-L184	KR-1221-L214
	5 mm	KR-0321-L235	KR-1221-L185	KR-1221-L215
	6 mm	KR-0321-L236	KR-1221-L186	KR-1221-L216

	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
Up-Bite	1 mm	KR-13LR-9151	KR-12LR-9181	KR-12LR-9201
	2 mm	KR-13LR-9152	KR-12LR-9182	KR-12LR-9202
	3 mm	KR-13LR-9153	KR-12LR-9183	KR-12LR-9203
	4 mm	KR-14LR-9154	KR-12LR-9184	KR-12LR-9204
	5 mm	KR-15LR-9155	KR-12LR-9185	KR-12LR-9205
	6 mm	KR-12LR-N156	KR-12LR-9186	KR-12LR-9206



• Warsi Foraminotomy Rongeur

Bite Angle Available 90 Degree / 40 Degree

7 3/4" (19.5 cm) shaft / curved up\

K707-461 1 mm bite 404-464 4 mm bite
K707-462 2 mm bite 404-465 5 mm bite
K707-463 3 mm bite

7 3/4" (19.5 cm) shaft / curved down

K707-451 1 mm bite K707-464 4 mm bite
K707-452 2 mm bite K707-465 5 mm bite
K707-453 3 mm bite

* Also available with rounded footplate

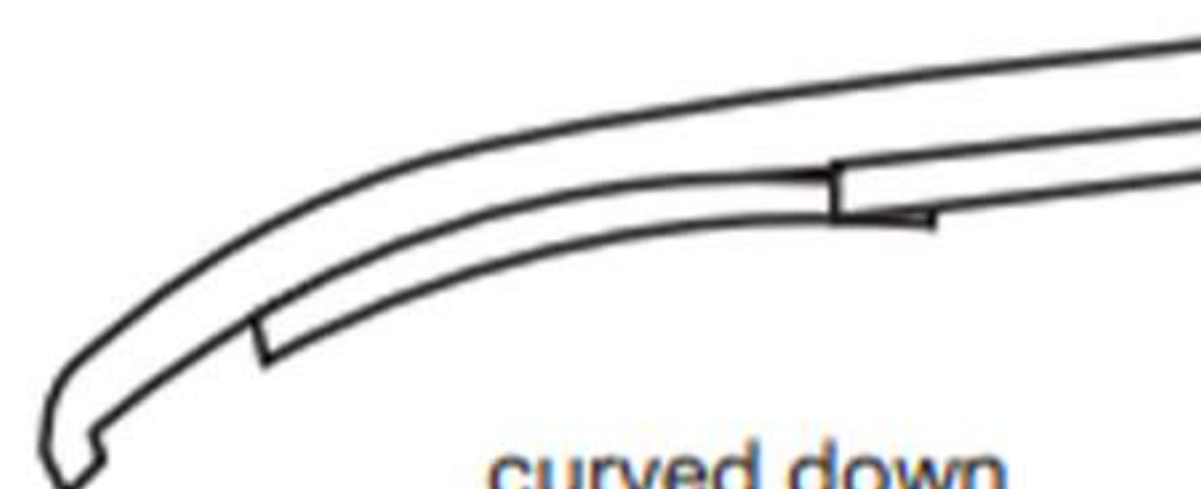
Also available with 15cm and 18cm and 23cm shafts length



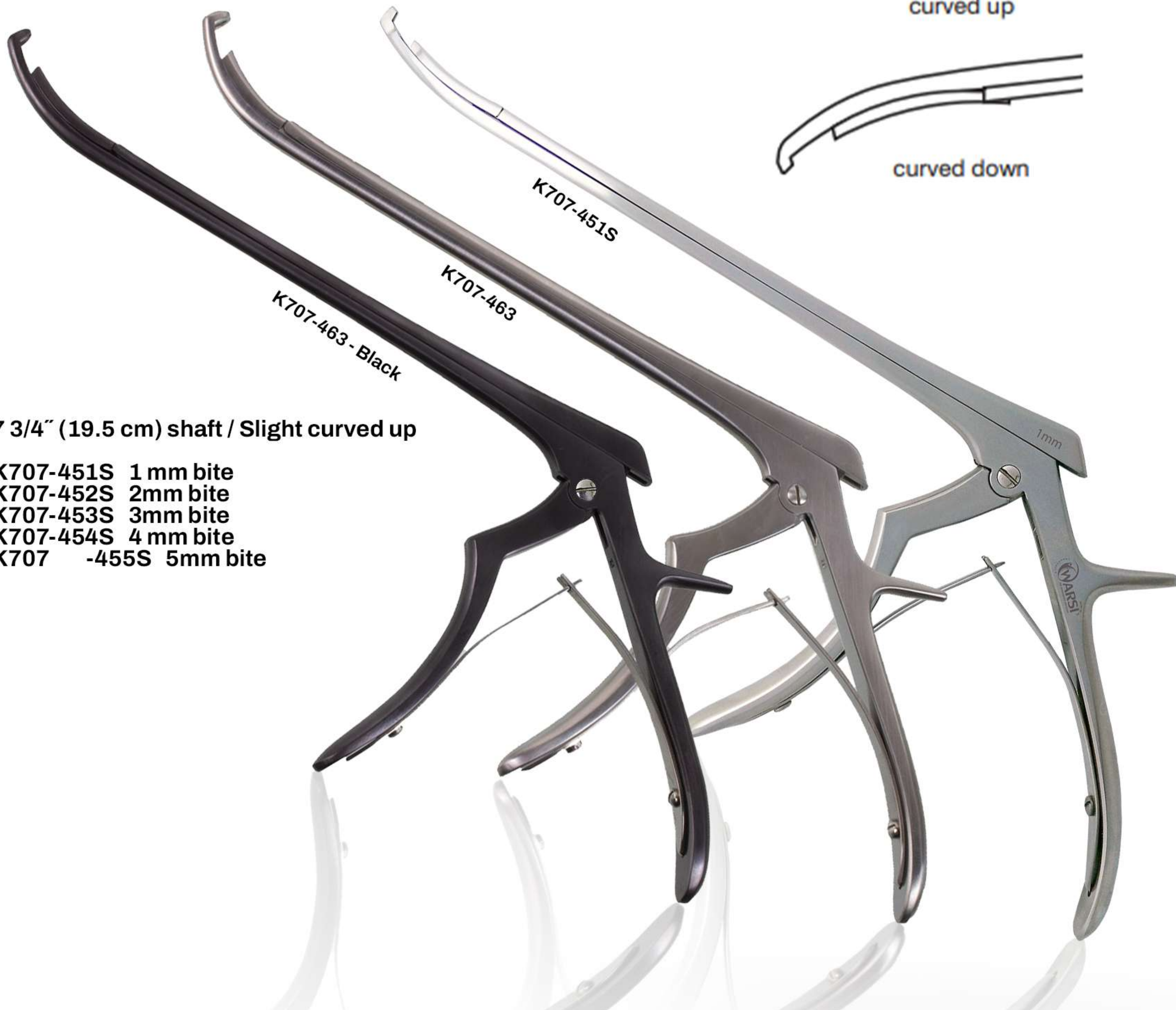
slightly curved up



curved up



curved down



7 3/4" (19.5 cm) shaft / Slight curved up

K707-451S 1 mm bite
K707-452S 2mm bite
K707-453S 3mm bite
K707-454S 4 mm bite
K707 -455S 5mm bite

• Warsi Frontal Sinus Punch

- Kerriossn Bayonet rounger are available in following Bite options and designs.

Available Degrees



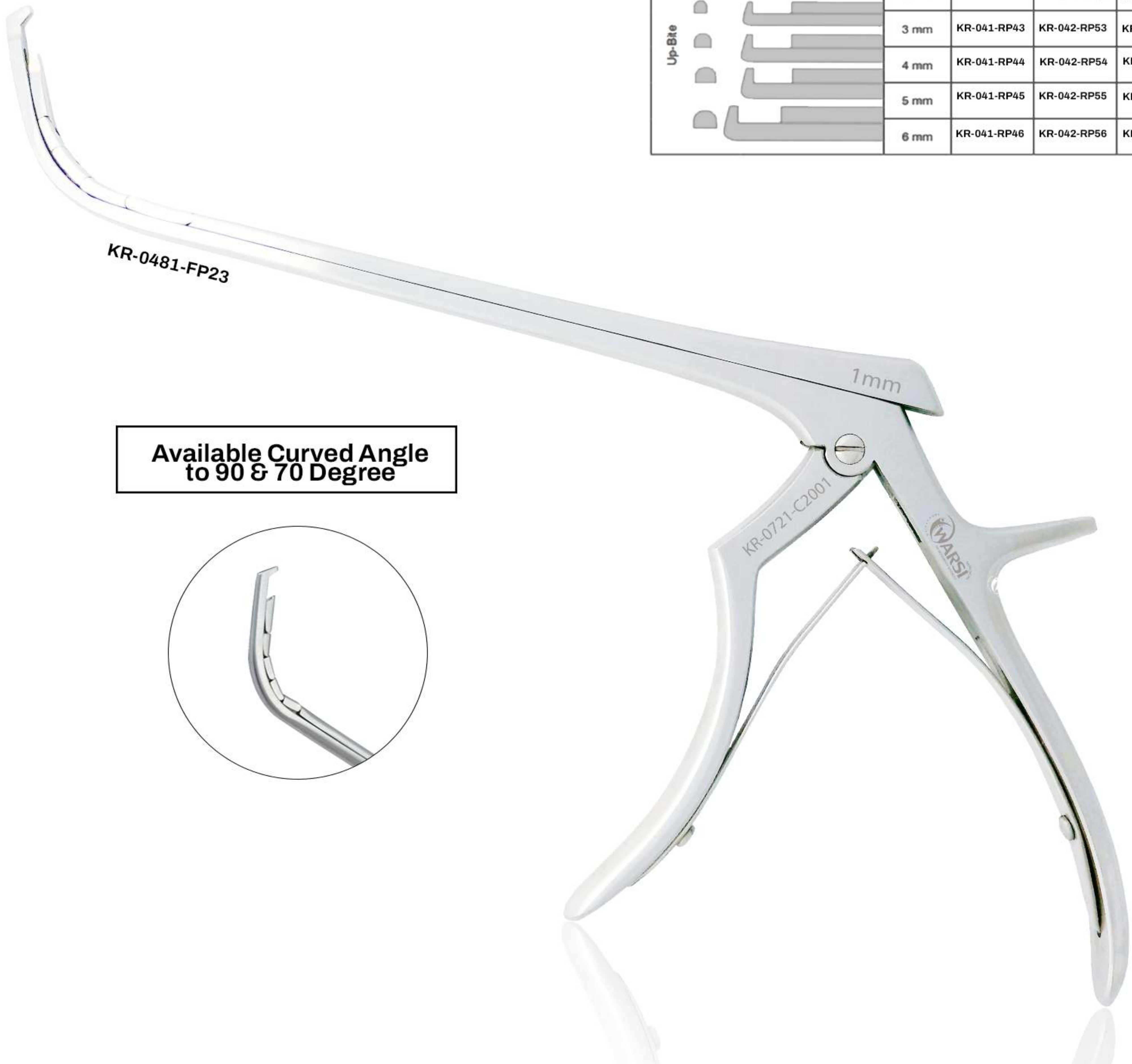
- Thick footplate.

- Thin Footplate.



	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
40° Up-Angle	1 mm	KR-0481-FP21	KR-0481-FS31	KR-0446-FP1
	2 mm	KR-0481-FP22	KR-0481-FS32	KR-0446-FP2
	3 mm	KR-0481-FP23	KR-0481-FS33	KR-0446-FP3
	4 mm	KR-0481-FP24	KR-0481-FS34	KR-0446-FP4
	5 mm	KR-0481-FP25	KR-0481-FS35	KR-0446-FP5
	6 mm	KR-0481-FP26	KR-0481-FS36	KR-0446-FP6

	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
Up-Bite	1 mm	KR-041-RP41	KR-042-RP51	KR-043-RP61
	2 mm	KR-041-RP42	KR-042-RP52	KR-043-RP62
	3 mm	KR-041-RP43	KR-042-RP53	KR-043-RP63
	4 mm	KR-041-RP44	KR-042-RP54	KR-043-RP64
	5 mm	KR-041-RP45	KR-042-RP55	KR-043-RP65
	6 mm	KR-041-RP46	KR-042-RP56	KR-043-RP66



Available Curved Angle to 90 & 70 Degree



• Bayonet Kerrison Rounger

- Kerrison Bayonet rounger are available in following Bite options and designs.

Available Degrees



- Thick footplate.

- Thin Footplate.



	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
40° Up-Angle	1 mm	KR-0421-B921	KR-0421-BI921	KR-0421-BI931
	2 mm	KR-0421-B922	KR-0421-BI922	KR-0421-BI932
	3 mm	KR-0421-B923	KR-0421-BI923	KR-0421-BI933
	4 mm	KR-0421-B924	KR-0421-BI924	KR-0421-BI934
	5 mm	KR-0421-B925	KR-0421-BI925	KR-0421-BI935
	6 mm	KR-0421-B926	KR-0421-BI926	KR-0421-BI936

	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
Up-Bite	1 mm	KR-0421-B201	KR-0421-B211	KR-0421-B311
	2 mm	KR-0421-B202	KR-0421-B212	KR-0421-B312
	3 mm	KR-0421-B203	KR-0421-B213	KR-0421-B313
	4 mm	KR-0421-B204	KR-0421-B214	KR-0421-B314
	5 mm	KR-0421-B205	KR-0421-B215	KR-0421-B315
	6 mm	KR-0421-B206	KR-0421-B216	KR-0421-B316



• Bayonet Curved Kerrison Ronger

- Kerrison Curved Bayonet ronger are available in following Bite options and designs.

Available Degrees



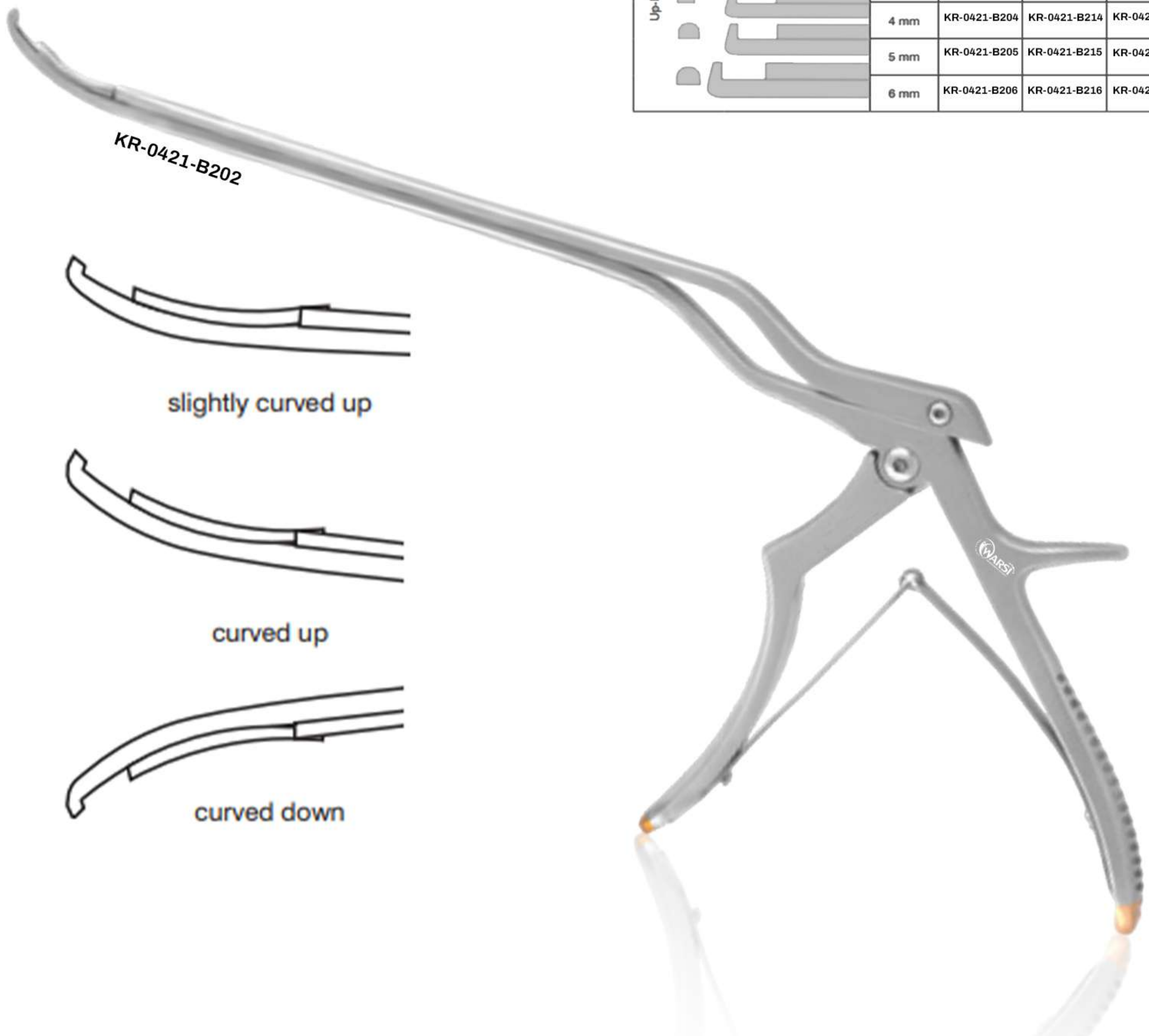
- Thick footplate.

- Thin Footplate.



	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
40° Up-Angle	1 mm	KR-0421-B921	KR-0421-BI921	KR-0421-BI931
	2 mm	KR-0421-B922	KR-0421-BI922	KR-0421-BI932
	3 mm	KR-0421-B923	KR-0421-BI923	KR-0421-BI933
	4 mm	KR-0421-B924	KR-0421-BI924	KR-0421-BI934
	5 mm	KR-0421-B925	KR-0421-BI925	KR-0421-BI935
	6 mm	KR-0421-B926	KR-0421-BI926	KR-0421-BI936

	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
Up-Bite	1 mm	KR-0421-B201	KR-0421-B211	KR-0421-B311
	2 mm	KR-0421-B202	KR-0421-B212	KR-0421-B312
	3 mm	KR-0421-B203	KR-0421-B213	KR-0421-B313
	4 mm	KR-0421-B204	KR-0421-B214	KR-0421-B314
	5 mm	KR-0421-B205	KR-0421-B215	KR-0421-B315
	6 mm	KR-0421-B206	KR-0421-B216	KR-0421-B316



• Kerrison Laminectomy Rongeur

- Kerrison laminectomy rongeur are available in following Bite options and designs.

Available Degrees



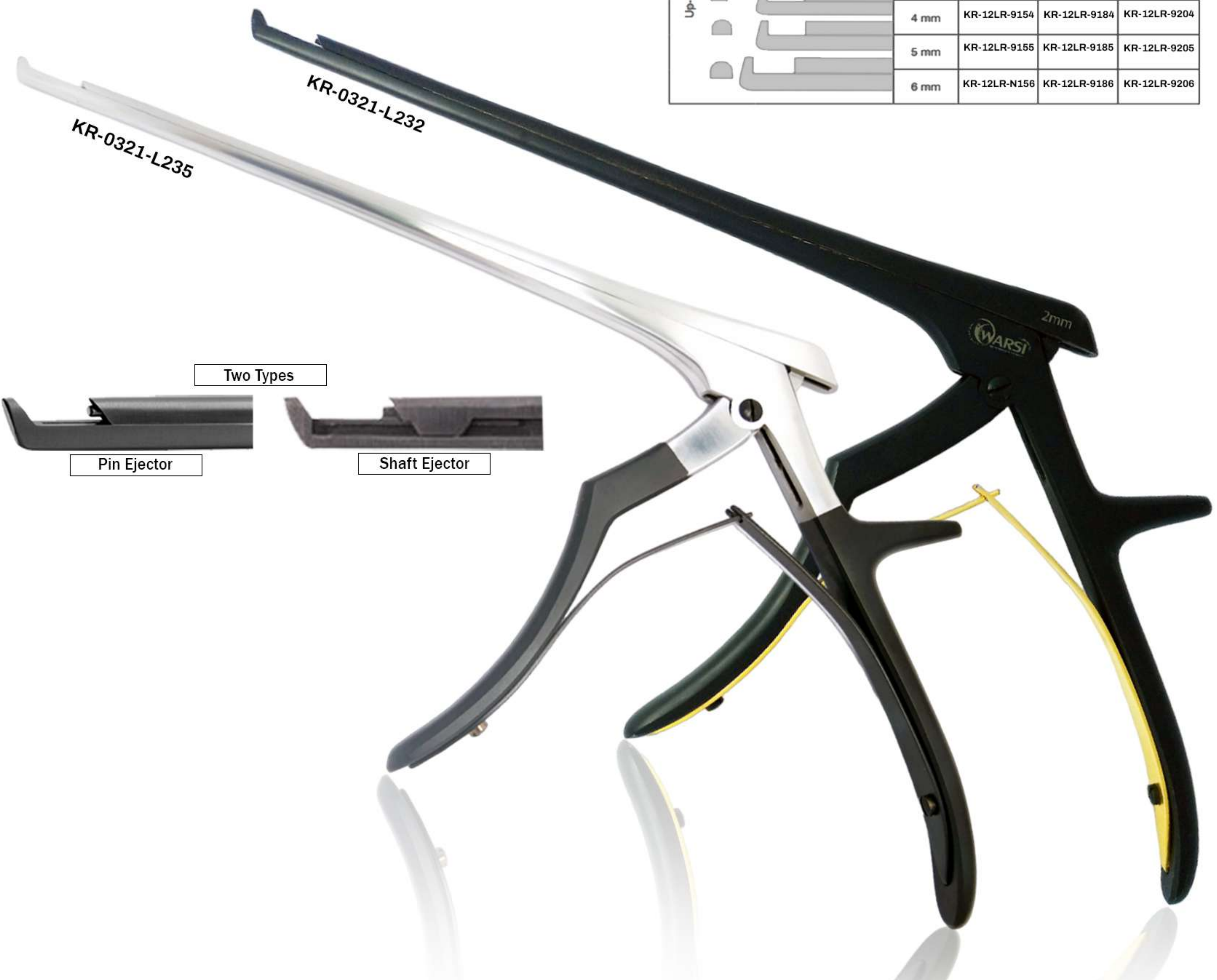
- Thick footplate.

- Thin Footplate.



	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
40° Up-Angle	1 mm	KR-0321-L231	KR-1221-L181	KR-1221-L211
	2 mm	KR-0321-L232	KR-1221-L182	KR-1221-L212
	3 mm	KR-0321-L233	KR-1221-L183	KR-1221-L213
	4 mm	KR-0321-L234	KR-1221-L184	KR-1221-L214
	5 mm	KR-0321-L235	KR-1221-L185	KR-1221-L215
	6 mm	KR-0321-L236	KR-1221-L186	KR-1221-L216

	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
Up-Bite	1 mm	KR-12LR-9151	KR-12LR-9181	KR-12LR-9201
	2 mm	KR-12LR-9152	KR-12LR-9182	KR-12LR-9202
	3 mm	KR-12LR-9153	KR-12LR-9183	KR-12LR-9203
	4 mm	KR-12LR-9154	KR-12LR-9184	KR-12LR-9204
	5 mm	KR-12LR-9155	KR-12LR-9185	KR-12LR-9205
	6 mm	KR-12LR-N156	KR-12LR-9186	KR-12LR-9206



• Kerrison Universal Rotating 360° Rongeur

Quick trigger release / shaft locks in 8 positions through a 360° rotation / 8" (20cm) shaft

With ejector (Also available in 10 inch length)

K707-6071	1 mm bite	90°
K707-6072	2 mm bite	90°
K707-6073	3 mm bite	90°
K707-6074	4 mm bite	90°
K707-6075	5 mm bite	90°



K707-6083

K707-6081	1 mm bite	40°
K707-6082	2 mm bite	40°
K707-6083	3 mm bite	40°
K707-6084	4 mm bite	40°
K707-6085	5 mm bite	40°



K707-6082

K707-6081C	1 mm bite	40°	up curved
K707-6082C	2 mm bite	40°	up curved
K707-6083C	3 mm bite	40°	up curved
K707-6084C	4 mm bite	40°	up curved
K707-6085C	5 mm bite	40°	up curved



K707-6083

K707-6081D	1 mm bite	40°	Down curved
K707-6082D	2 mm bite	40°	Down curved
K707-6083D	3 mm bite	40°	Down curved
K707-6084D	4 mm bite	40°	Down curved
K707-6085D	5 mm bite	40°	Down curved



K707-6082C



K707-6082D

Without Ejector (Available in both 8" and 10" shafts)

K707-6076	1 mm bite	90°
K707-6077	2 mm bite	90°
K707-6078	3 mm bite	90°
K707-6079	4 mm bite	90°
K707-6080	5 mm bite	90°

K707-6086	1 mm bite	40°
K707-6087	2 mm bite	40°
K707-6088	3 mm bite	40°
K707-6089	4 mm bite	40°
K707-6090	5 mm bite	40°



K707-6091H

Bayonet shaft (Available in both 12" (32 cm) and 16" (40.6 cm) shafts)

K707-6061B	1 mm bite	90°
K707-6062B	2 mm bite	90°
K707-6063B	3 mm bite	90°
K707-6064B	4 mm bite	90°
K707-6065B	5 mm bite	90°

Bayonet shaft (Available in both 12" (32 cm) and 16" (40.6 cm) shafts)

K707-6066B	1 mm bite	40°
K707-6067B	2 mm bite	40°
K707-6068B	3 mm bite	40°
K707-6069B	4 mm bite	40°
K707-6070B	5 mm bite	40°



K707-6067B



K707-6091H

• Bayonet Open Up Kerrison Ronger

- Bayonet Open up kerrison ronger are available in following Bite options and designs.

Available Degrees



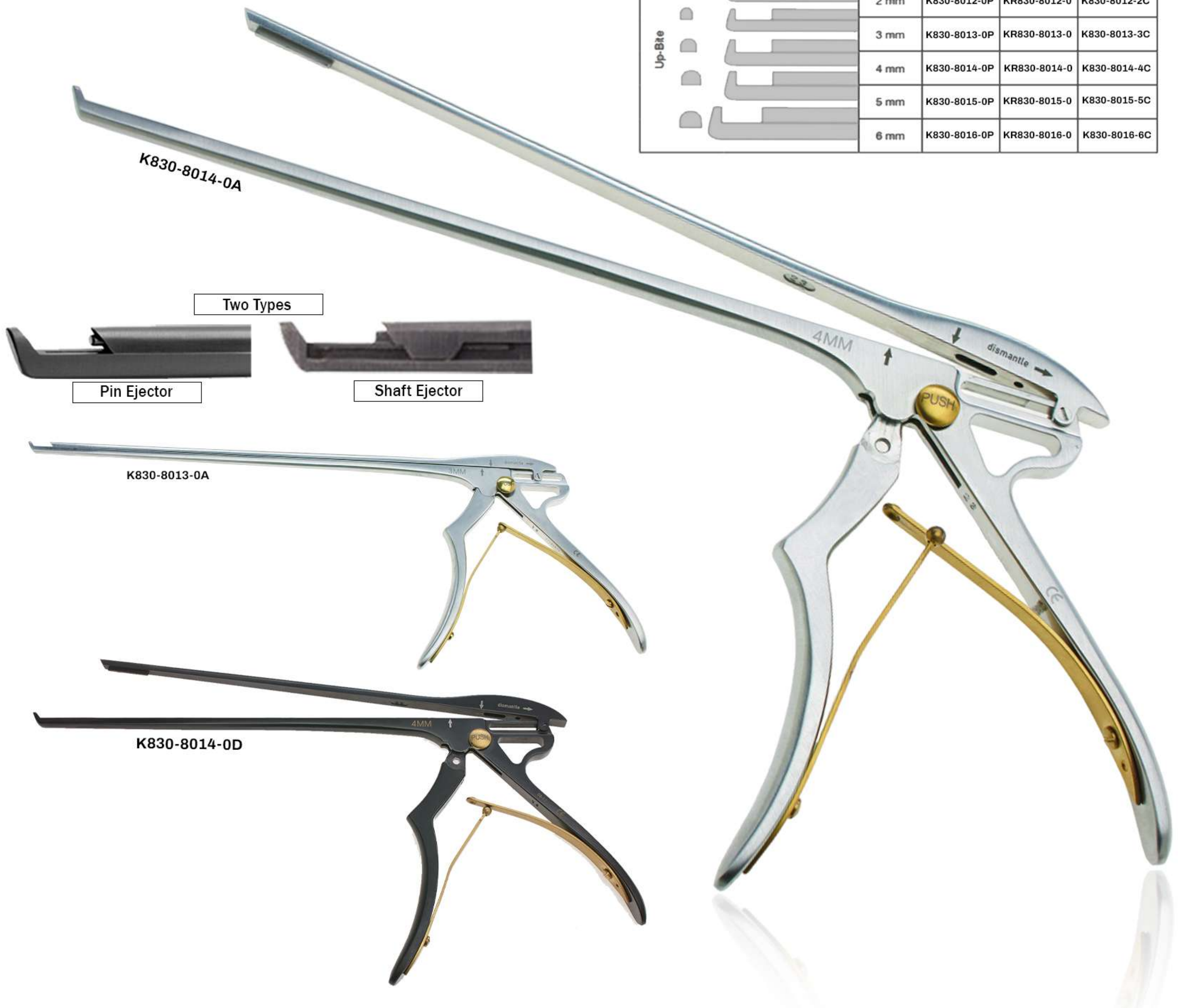
- Thick footplate.

- Thin Footplate.



	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
40° Up-Angle	1 mm	K830-8011-0A	K830-8011-0B	K830-8011-0D
	2 mm	K830-8012-0A	K830-8012-0B	K830-8012-0D
	3 mm	K830-8013-0A	K830-8013-0B	K830-8013-0D
	4 mm	K830-8014-0A	K830-8014-0B	K830-8014-0D
	5 mm	K830-8015-0A	K830-8015-0B	K830-8015-0D
	6 mm	K830-8016-0A	K830-8016-0B	K830-8016-0D

	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
Up-Bite	1 mm	K830-8011-0P	KR830-8011-0	K830-8011-1C
	2 mm	K830-8012-0P	KR830-8012-0	K830-8012-2C
	3 mm	K830-8013-0P	KR830-8013-0	K830-8013-3C
	4 mm	K830-8014-0P	KR830-8014-0	K830-8014-4C
	5 mm	K830-8015-0P	KR830-8015-0	K830-8015-5C
	6 mm	K830-8016-0P	KR830-8016-0	K830-8016-6C



• Open Up Kerrison Ronger

- Open up kerrison ronger are available in following Bite options and designs.

Available Degrees



- Thick footplate.

- Thin Footplate.



	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
40° Up-Angle	1 mm	KR-1121-D151	KR-1121-D181	KR-1121-D211
	2 mm	KR-1121-D152	KR-1121-D182	KR-1121-D212
	3 mm	KR-1121-D153	KR-1121-D183	KR-1121-D213
	4 mm	KR-1121-D154	KR-1121-D184	KR-1121-D214
	5 mm	KR-1121-D155	KR-1121-D185	KR-1121-D215
	6 mm	KR-1121-D156	KR-1121-D186	KR-1121-D216

	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
Up-Bite	1 mm	KR-1121-D9151	KR-1121-D9181	KR-1121-D9211
	2 mm	KR-1121-D9152	KR-1121-D9182	KR-1121-D9212
	3 mm	KR-1121-D9153	KR-1121-D9183	KR-1121-D9213
	4 mm	KR-12PE-D9154	KR-1121-D9184	KR-1121-D9214
	5 mm	KR-1121-D9155	KR-1121-D9185	KR-1121-D9215
	6 mm	KR-1121-D9156	KR-1121-D9186	KR-1121-D9216



• Warsi Specail Kerrison Rounger

- Kerriohn Bayonet rounger are available in following Bite options and designs.

Available Degrees



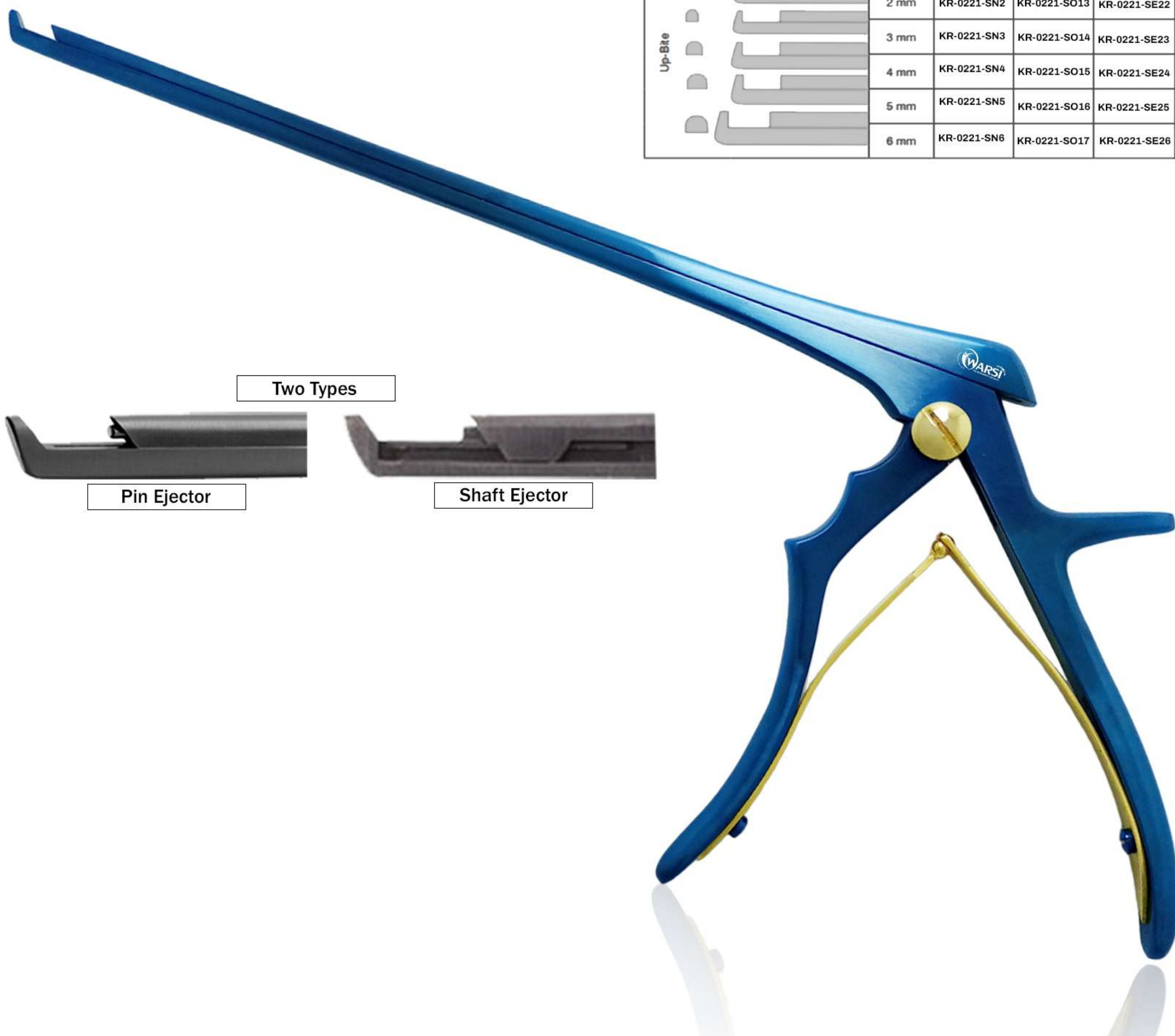
- Thick footplate.

- Thin Footplate.



	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
40° Up-Angle	1 mm	KR-0121-SR21	KR-0121-SB31	KR-0121-SP41
	2 mm	KR-0121-SR22	KR-0121-SB32	KR-0121-SP42
	3 mm	KR-0121-SR23	KR-0121-SB33	KR-0121-SP43
	4 mm	KR-0121-SR24	KR-0121-SB34	KR-0121-SP44
	5 mm	KR-0121-SR25	KR-0121-SB35	KR-0121-SP45
	6 mm	KR-0121-SR26	KR-0121-SB36	KR-0121-SP46

	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
Up-Bite	1 mm	KR-0221-SN1	KR-0221-SO12	KR-0221-SE21
	2 mm	KR-0221-SN2	KR-0221-SO13	KR-0221-SE22
	3 mm	KR-0221-SN3	KR-0221-SO14	KR-0221-SE23
	4 mm	KR-0221-SN4	KR-0221-SO15	KR-0221-SE24
	5 mm	KR-0221-SN5	KR-0221-SO16	KR-0221-SE25
	6 mm	KR-0221-SN6	KR-0221-SO17	KR-0221-SE26



Two Types



Pin Ejector



Shaft Ejector

• Easy Clean Kerrison Ronger

- Easy Clean Kerrison Rongers are available in following Bite options and designs.

Available Degrees

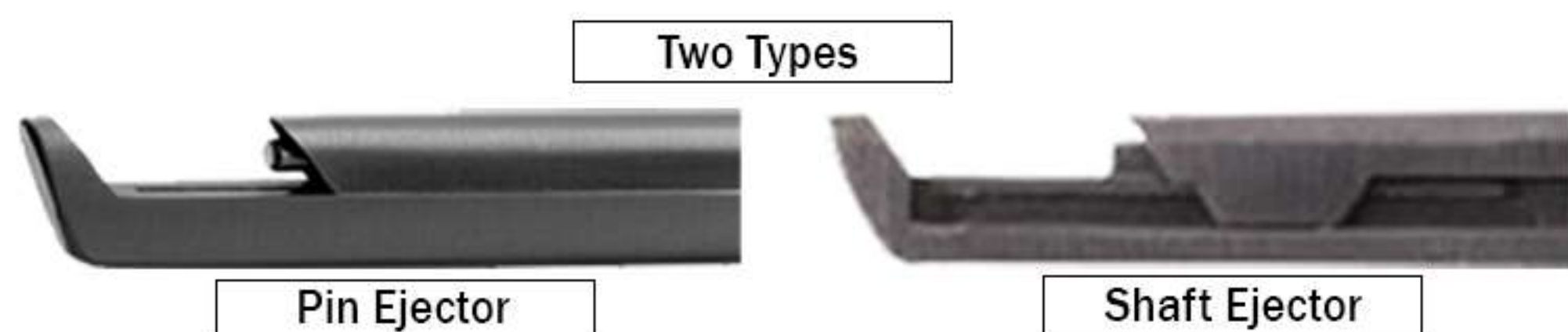
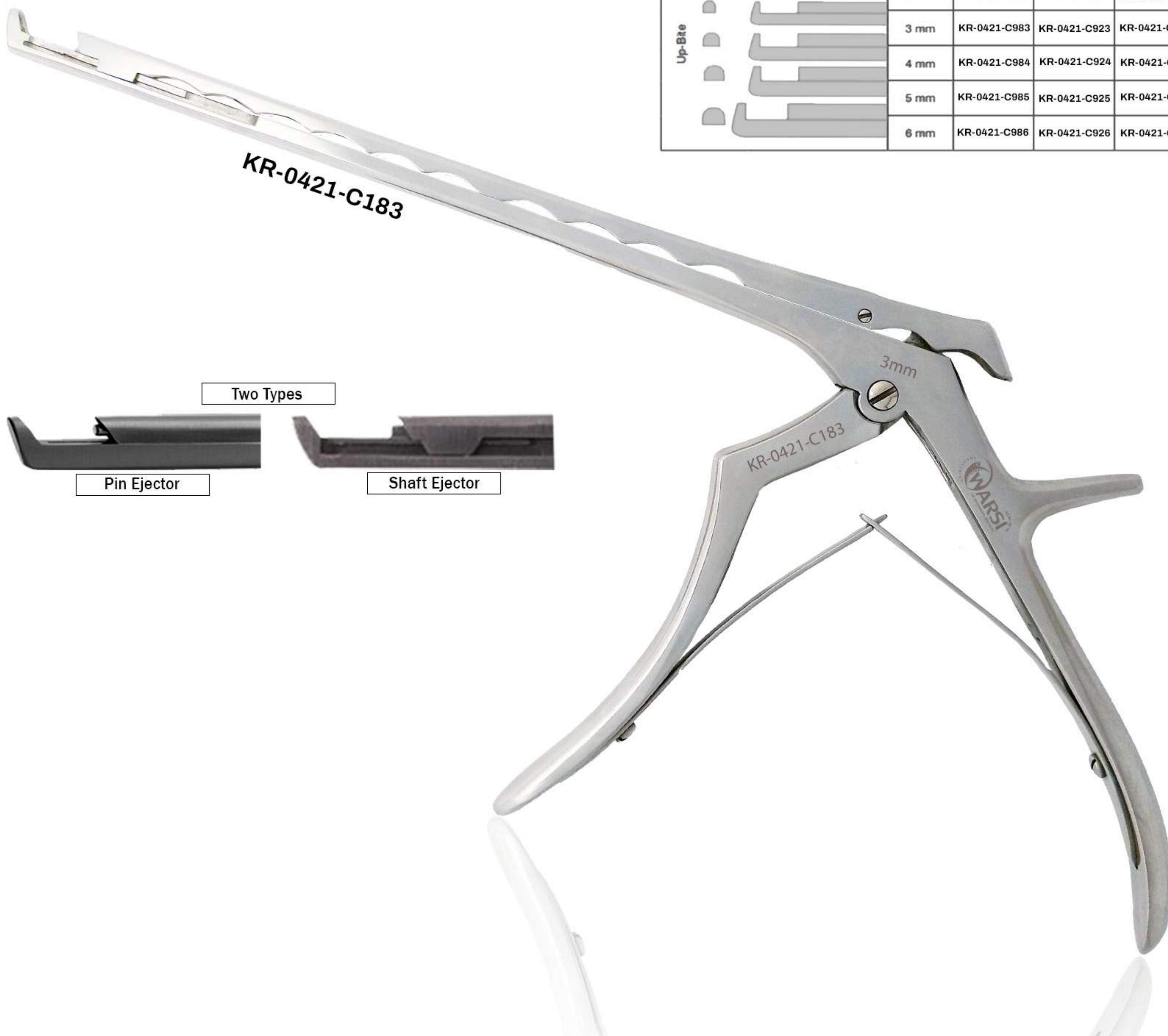


- Thick footplate.
- Thin Footplate.



	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
40° Up-Angle	1 mm	KR-0421-C181	KR-0421-C211	KR-0421-B211
	2 mm	KR-0421-C182	KR-0421-C212	KR-0421-B212
	3 mm	KR-0421-C183	KR-0421-C213	KR-0421-B213
	4 mm	KR-0421-C184	KR-0421-C214	KR-0421-B214
	5 mm	KR-0421-C185	KR-0421-C215	KR-0421-B215
	6 mm	KR-0421-C186	KR-0421-C216	KR-0421-B216

	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
Up-Bite	1 mm	KR-0421-C981	KR-0421-C921	KR-0421-B921
	2 mm	KR-0421-C982	KR-0421-C922	KR-0421-C922
	3 mm	KR-0421-C983	KR-0421-C923	KR-0421-C923
	4 mm	KR-0421-C984	KR-0421-C924	KR-0421-C924
	5 mm	KR-0421-C985	KR-0421-C925	KR-0421-C925
	6 mm	KR-0421-C986	KR-0421-C926	KR-0421-C926



• Bayonet Ceramic Open Up Kerrison Ronger

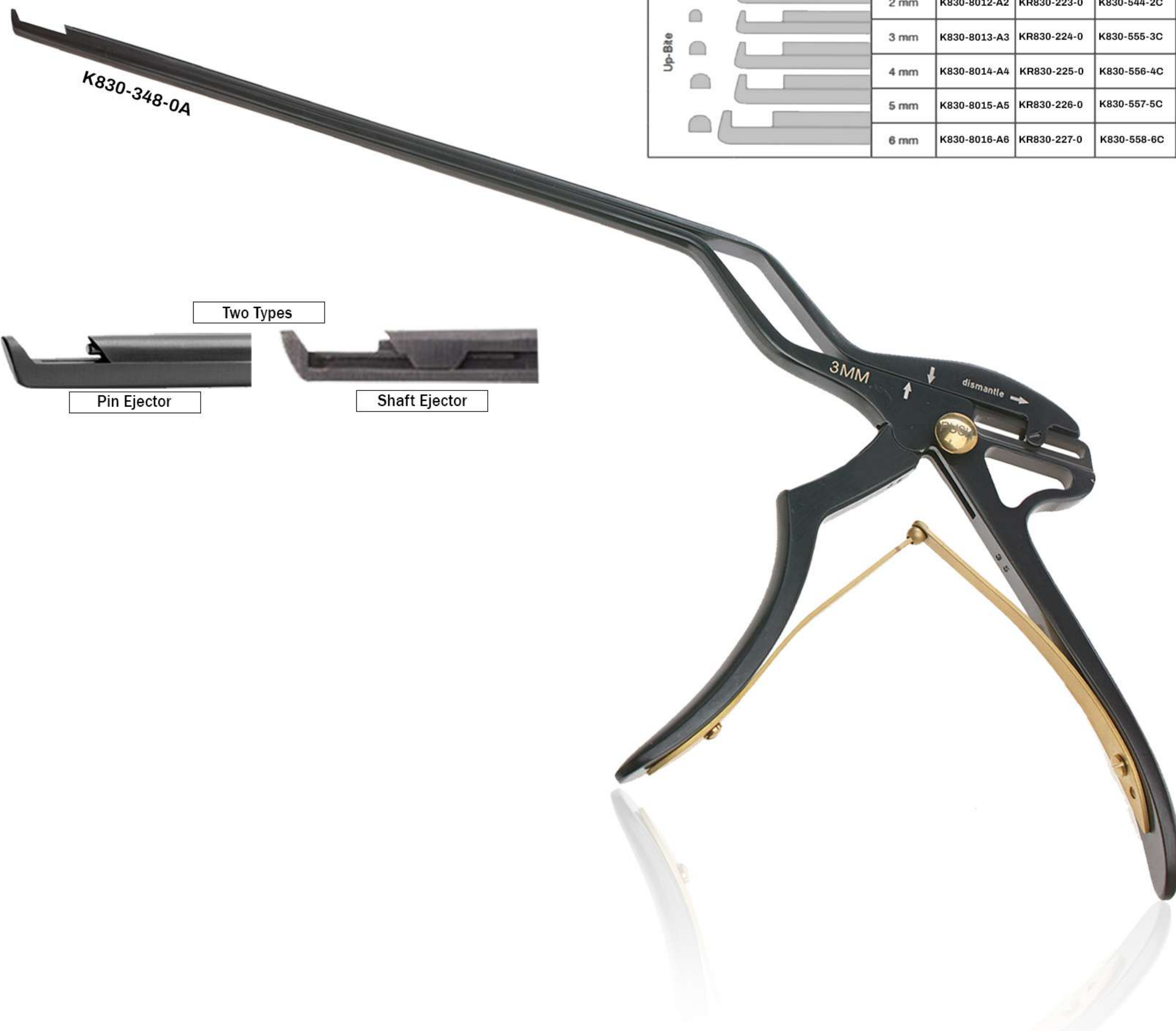
- Ceramic Bayonet Open up kerrison ronger are available in following Bite options and designs.

Available Degrees



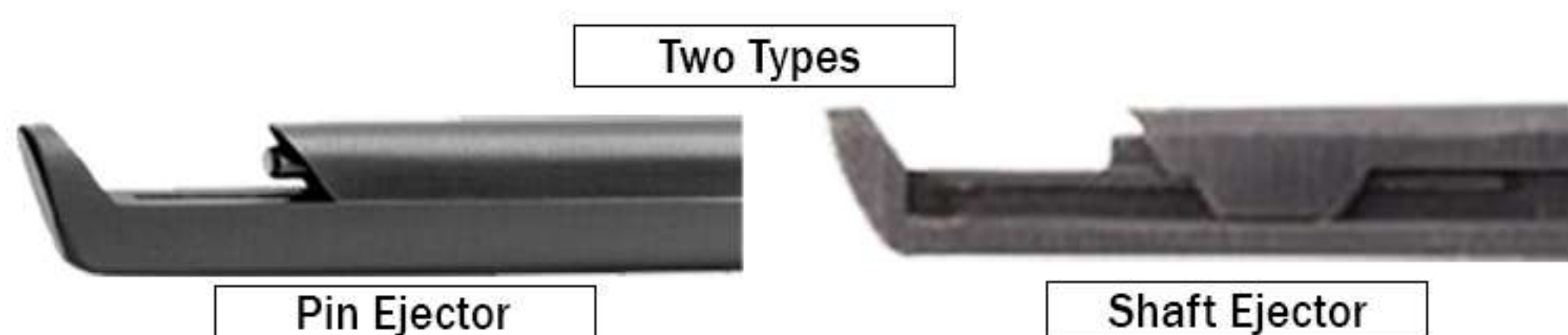
- Thick footplate.

- Thin Footplate.



	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
40° Up-Angle	1 mm	K830-345-0A	K830-233-0B	K830-833-0D
	2 mm	K830-346-0A	K830-234-0B	K830-834-0D
	3 mm	K830-347-0A	K830-235-0B	K830-835-0D
	4 mm	K830-348-0A	K830-236-0B	K830-836-0D
	5 mm	K830-349-0A	K830-237-0B	K830-837-0D
	6 mm	K830-350-0A	K830-238-0B	K830-838-0D

	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
Up-Bite	1 mm	K830-8011-A1	KR830-222-0	K830-553-1C
	2 mm	K830-8012-A2	KR830-223-0	K830-544-2C
	3 mm	K830-8013-A3	KR830-224-0	K830-555-3C
	4 mm	K830-8014-A4	KR830-225-0	K830-556-4C
	5 mm	K830-8015-A5	KR830-226-0	K830-557-5C
	6 mm	K830-8016-A6	KR830-227-0	K830-558-6C



• Ocular Plasti Rounger

- Kerriossn ocular plasti rounger are available in following Bite options and designs.

Available Degrees



- Thick footplate.

- Thin Footplate.



	Bite Width	Length of Shaft		
		4" / 10 cm	7" / 18 cm	8" / 21 cm
40° Up-Angle	1 mm	KR-16-2100	N/A	N/A
	2 mm	KR-16-2101	N/A	N/A
	3 mm	KR-16-2102	N/A	N/A
	4 mm	KR-16-2103	N/A	N/A
	5 mm	KR-16-2104	N/A	N/A
	6 mm	KR-16-2105	N/A	N/A

	Bite Width	Length of Shaft		
		6" / 15 cm	7" / 18 cm	8" / 21 cm
Up-Bite	1 mm	KR-16-B2100	N/A	N/A
	2 mm	KR-16-B2101	N/A	N/A
	3 mm	KR-16-B2102	N/A	N/A
	4 mm	KR-16-B2103	N/A	N/A
	5 mm	KR-16-B2104	N/A	N/A
	6 mm	KR-16-B2105	N/A	N/A



16-2101



16-2102



16-2103



16-2104



16-2105



16-2106



16-2107

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