

[www.weldoninstruments.com](http://www.weldoninstruments.com)

Brain Retractors

Dura Dissectors, Hooks & Cannulas

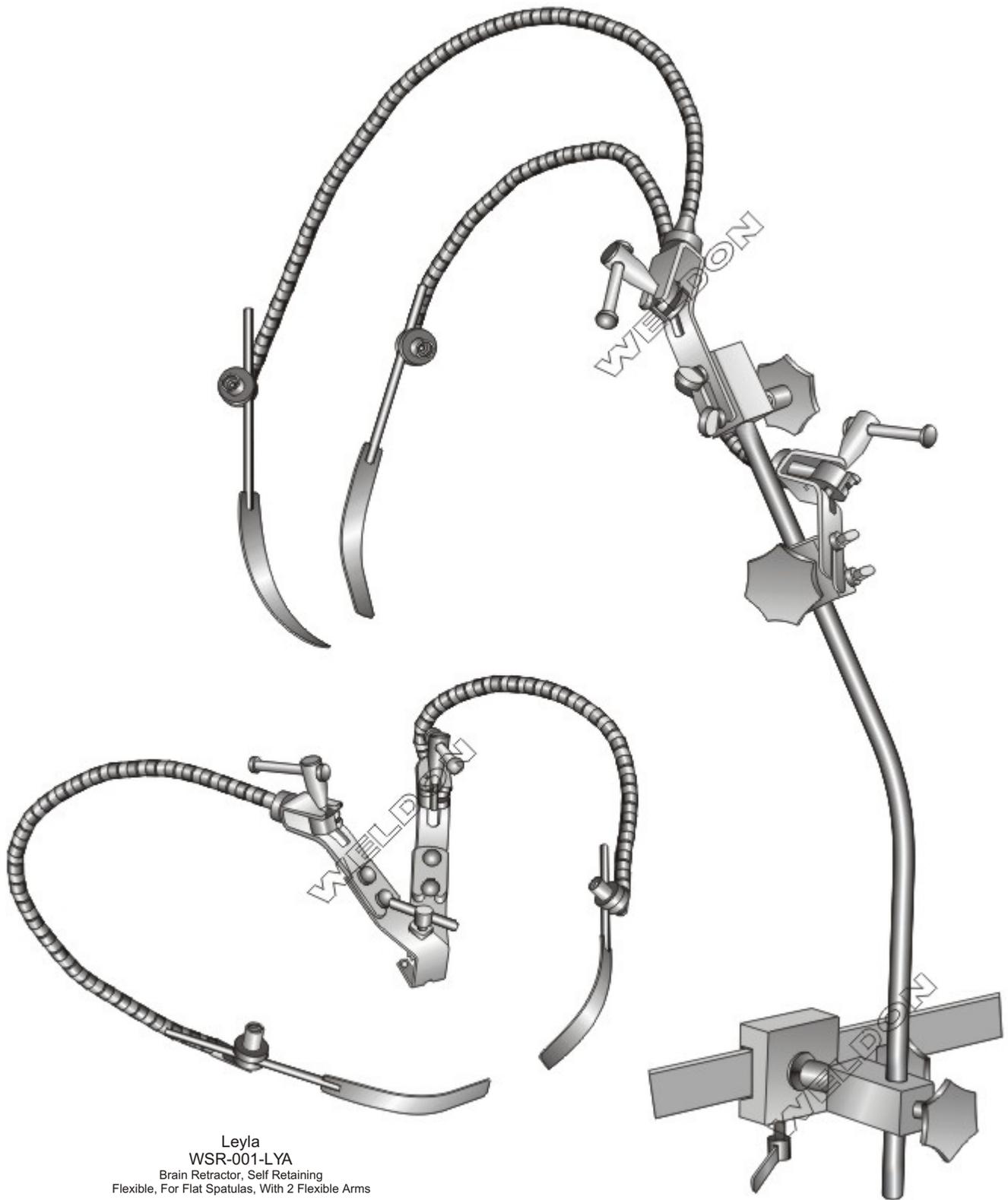
Bone Punches & Laminectomy Rongeurs

Micro Scissors & Forceps

569 - 660

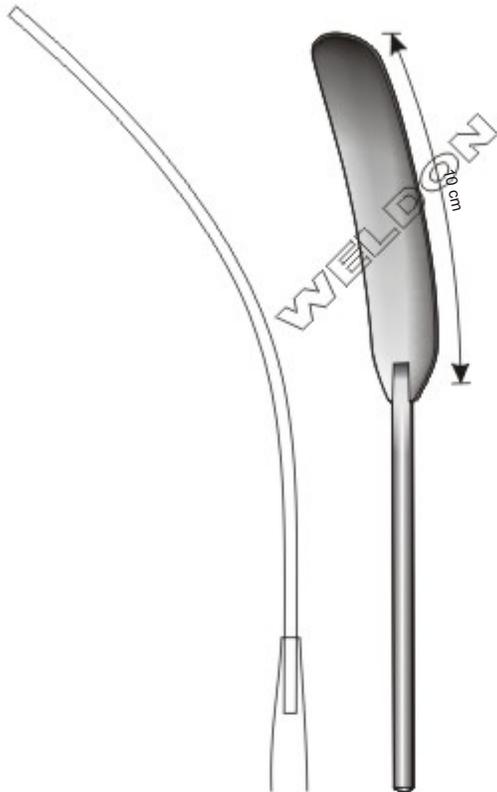
# Neurosurgery Laminectomy

Neurosurgery, Laminectomy  
Neurocirugia, Laminectomia  
Neurochirurgie, Laminektomie



Leyla  
WSR-001-LYA  
Brain Retractor, Self Retaining  
Flexible, For Flat Spatulas, With 2 Flexible Arms

Yasargil  
WSR-002-YSR  
Retractor For Fixation To Table Side Rails  
With Two Arms And Spatulas


**Heitz**

- WS-570-001 8 mm
- WS-570-002 11 mm
- WS-570-003 14 mm
- WS-570-004 17 mm
- WS-570-005 20 mm
- 20 cm / 8"
- Malleable


**Cushing**

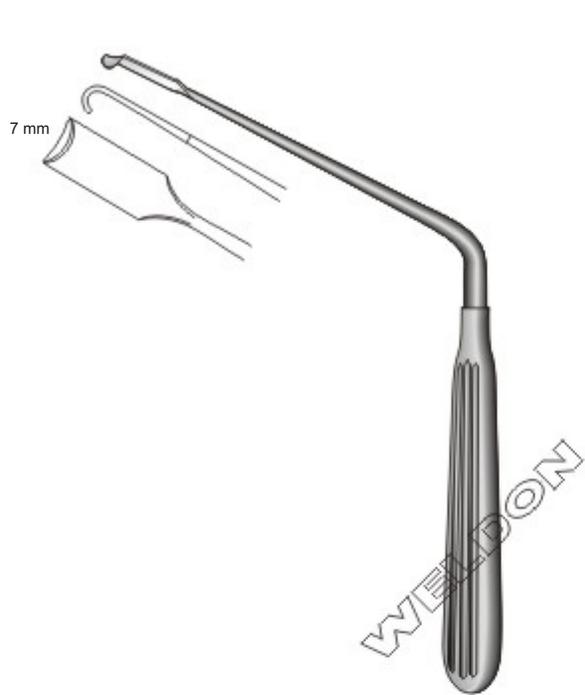
- WS-570-006 8 / 10 mm
- 17 cm / 6 3/4"
- WS-570-007 13 / 15 mm
- 20 cm / 8"
- WS-570-008 16 / 18 mm
- 28 cm / 11"


**Olivecrona**

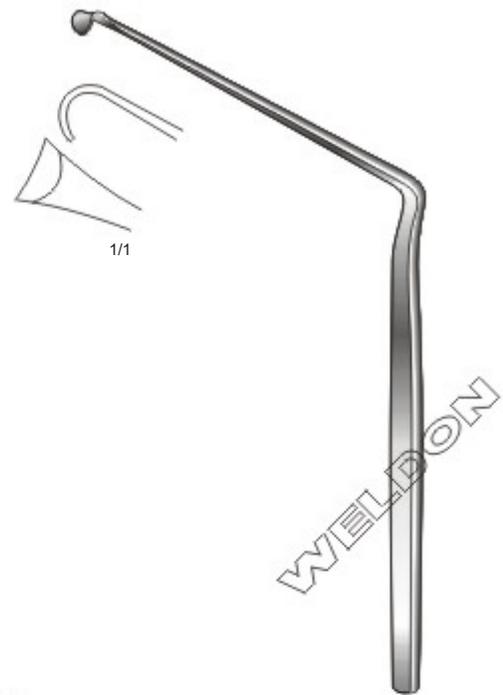
- WS-570-009 7 / 9 mm
- WS-570-010 11 / 13 mm
- WS-570-011 15 / 18 mm
- WS-570-012 18 / 22 mm
- 18 cm / 7"
- Concave


**Olivecrona**

- WS-570-013 7 / 9 mm
- WS-570-014 11 / 13 mm
- WS-570-015 15 / 18 mm
- WS-570-016 18 / 22 mm
- 18 cm / 7"
- Convex



Scoville  
WS-571-017  
20 cm / 8"



Martin  
WS-571-018  
21 cm / 8 1/2"



Scoville  
WS-571-019  
23.5 cm / 9"



Holsher  
WS-571-020  
24 cm / 9 1/2"

Nerve Root Retractors, Dura Dissectors | Separadores Para la Raíz de Nervio, Disecadores Para Duramadre, Nervwurzelnaken, Duradisektoren



Horsley  
WS-572-021  
20 cm / 8"



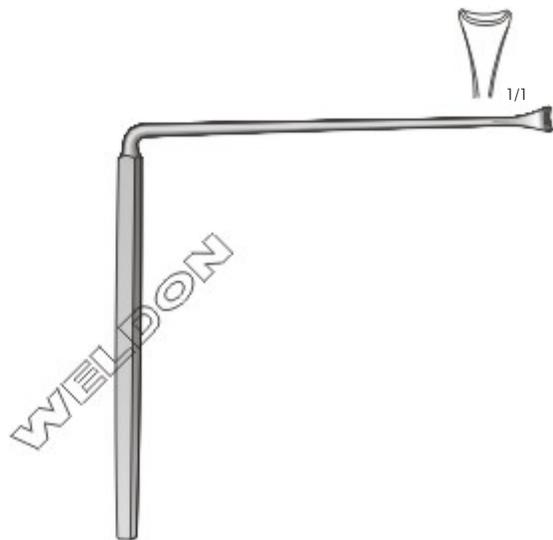
Sachs  
WS-572-022  
21 cm / 8 1/4"



Love  
WS-572-023  
21.5 cm / 8 1/2"



Love  
WS-572-024  
18 cm / 7"



Love  
WS-572-025  
11 cm / 4 1/4"



Davis  
WS-573-026  
24.5 cm / 9 3/4"



Frazier  
WS-573-027  
15 cm / 6"



Hoen  
WS-573-028  
15 cm / 6"



Hoen  
WS-573-029  
15 cm / 6"

Dura Dissectors | Disectores Para Duramadre | Duradissektoren



Penfield  
WS-574-030  
17.5 cm / 7"  
Fig. 1



Penfield  
WS-574-031  
19.5 cm / 7 3/4"  
Fig. 2



Penfield  
WS-574-032  
19.5 cm / 7 3/4"  
Fig. 3



Penfield  
WS-574-033  
20 cm / 8"  
Fig. 4



Penfield  
WS-574-034  
18.5 cm / 7 1/4"  
Fig. 5



Graham  
WS-575-035  
16.5 cm / 6½"



Sachs  
WS-575-036  
18 cm / 7"



Tonnis  
WS-575-037  
14.5 cm / 5¾"



Adson  
WS-575-038  
20 cm / 8"



Lahey  
WS-575-039  
13 cm / 5"



Cushing  
WS-575-040  
14 cm / 5½"



Frazier  
13 cm / 5"



WS-575-041  
Sharp

WS-575-042  
Blunt



Frazier  
18 cm / 7"



WS-575-043  
Sharp

WS-575-044  
Blunt

Dura Knives, Dura Hooks | Cuchillos Para Duramadre, Ganchos Para Duramadre  
Duramesser, Durahaken



Hoen  
WS-576-045  
22 cm / 8 3/4"



Dandy  
WS-576-046  
20 cm / 8"



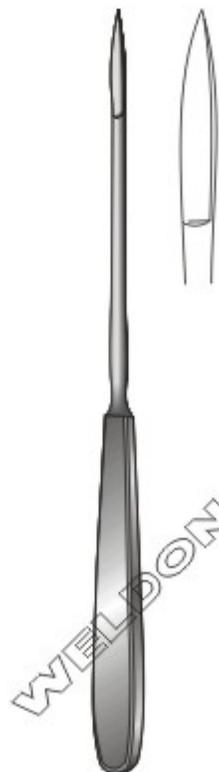
Adson  
WS-576-047  
20 cm / 8"



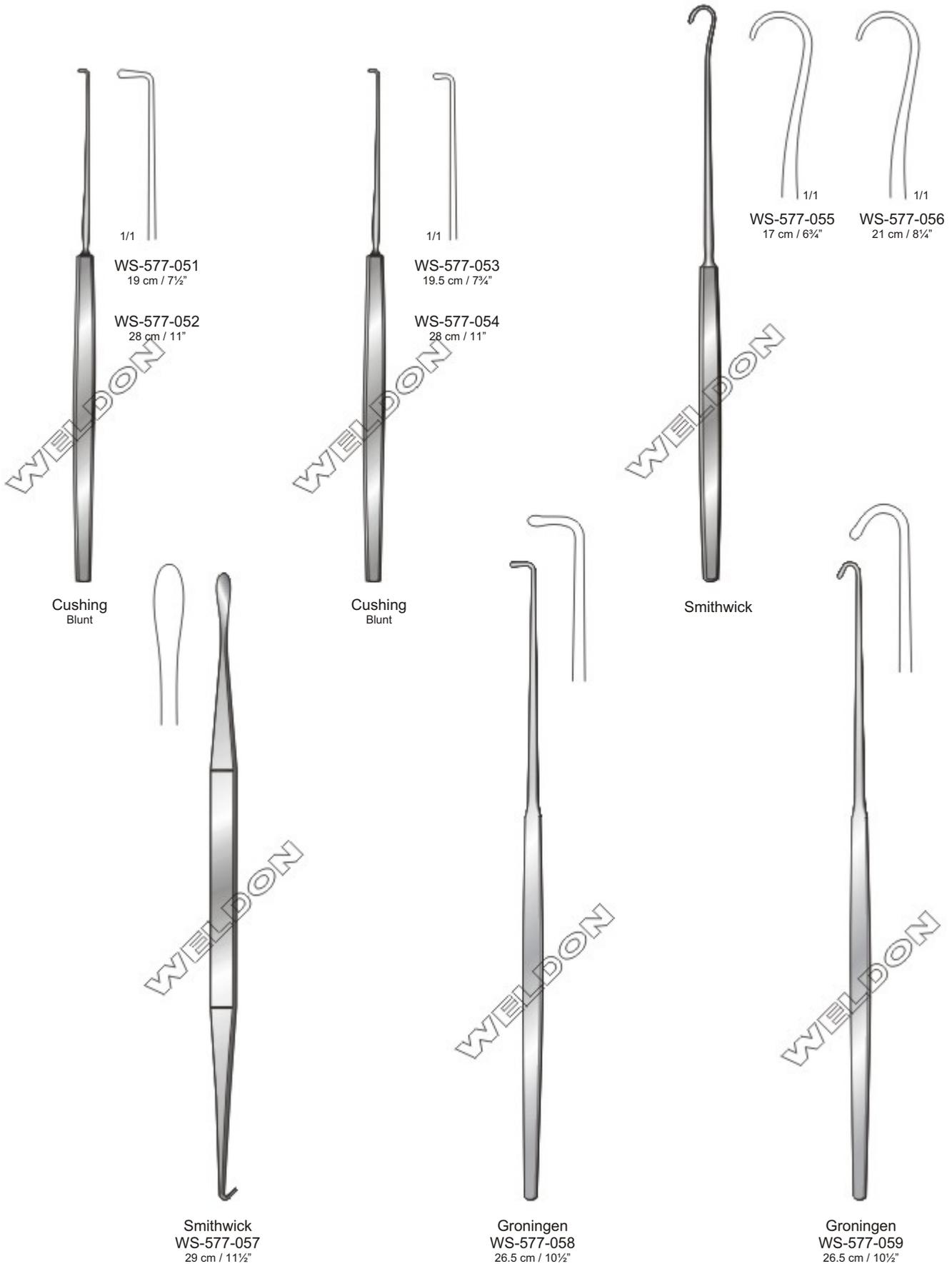
Toennis

WS-576-048  
13 cm / 5"

WS-576-049  
19 cm / 7 1/2"



Halle  
WS-576-050  
20 cm / 8"





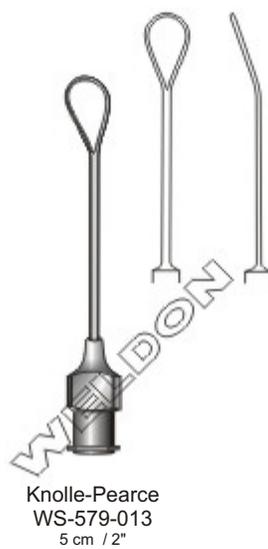
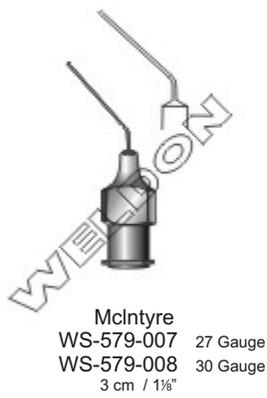
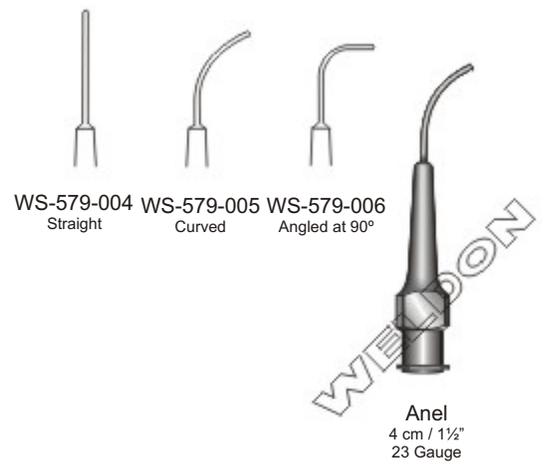
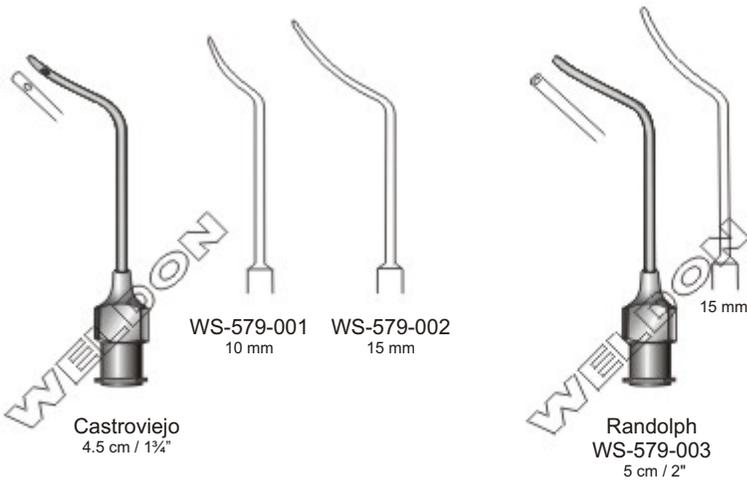
Gigli  
WS-578-001  
Wire Saw Handle



Gigli  
WS-578-002 30 cm / 12"  
WS-578-003 40 cm / 16"  
WS-578-004 50 cm / 20"  
WS-578-005 60 cm / 24"  
WS-578-006 70 cm / 28"  
Wire Saw



De Martel  
WS-578-007  
33 cm / 13"  
Wire Saw Guide



Clip Applying Forceps | Pinzas Clipadora | Klammerzange



McKenzie  
 WS-580-001 15 cm / 6"  
 WS-580-002 19 cm / 7½"  
 Curved



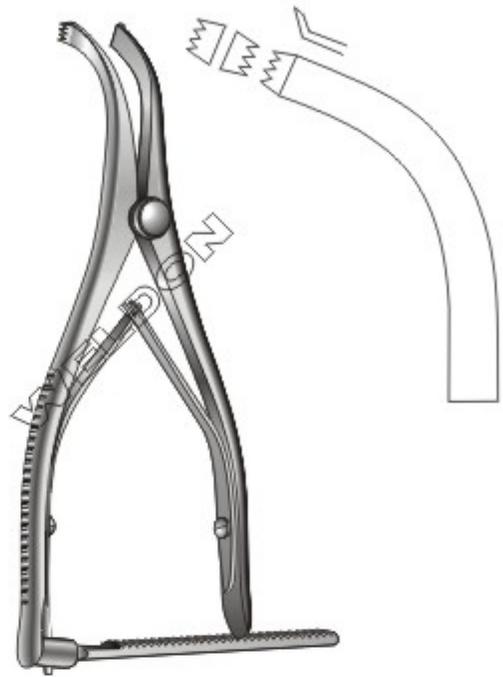
McKenzie  
 WS-580-003 15 cm / 6"  
 WS-580-004 19 cm / 7½"  
 Straight



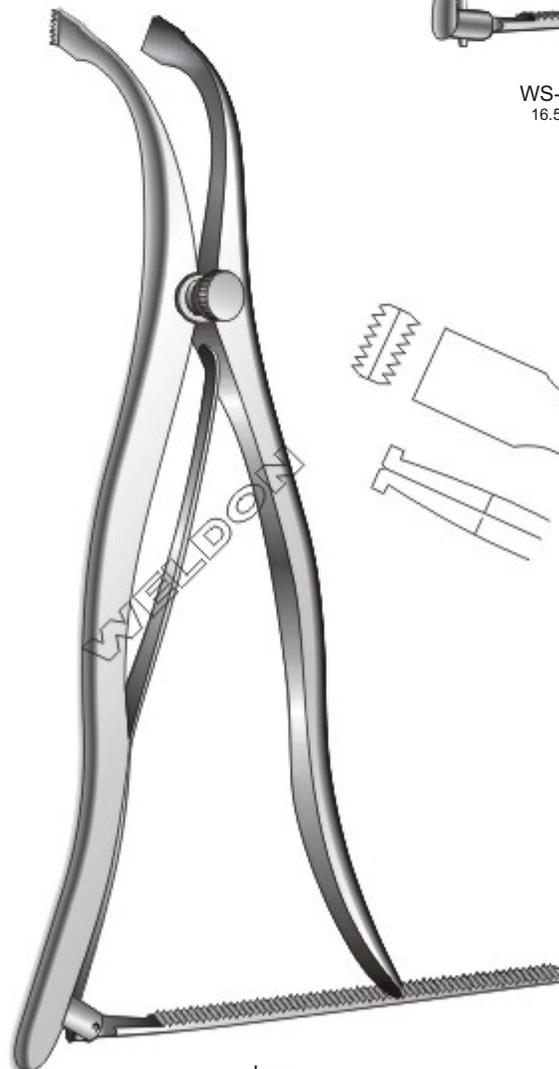
Olivecrona-Toennis  
 (Scoville)  
 WS-580-005



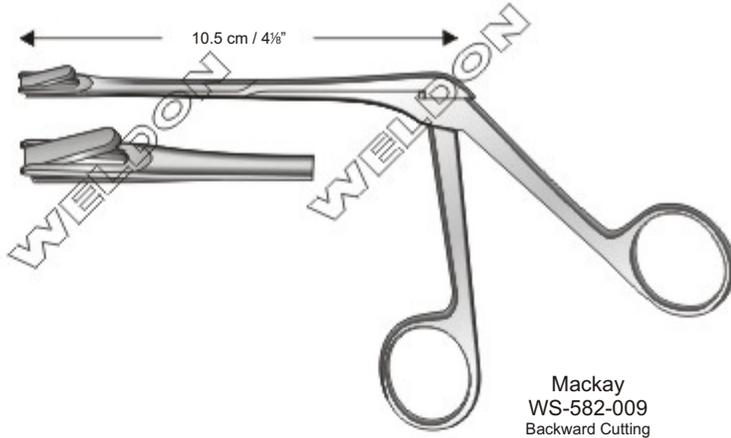
Cloward  
WS-581-006  
16 cm / 6 1/4"



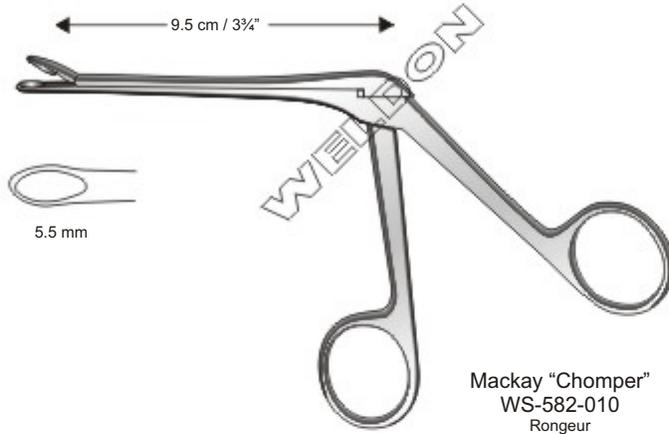
Inge  
WS-581-007  
16.5 cm / 6 1/2"



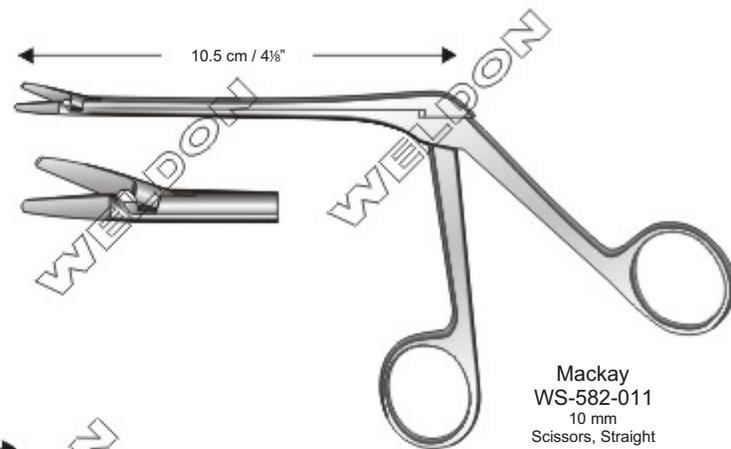
Inge  
WS-581-008  
25.5 cm / 10"



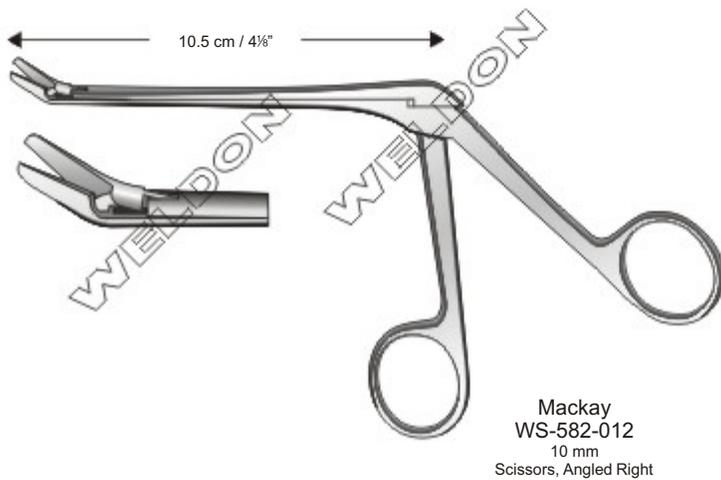
Mackay  
WS-582-009  
Backward Cutting



Mackay "Chomper"  
WS-582-010  
Rongeur

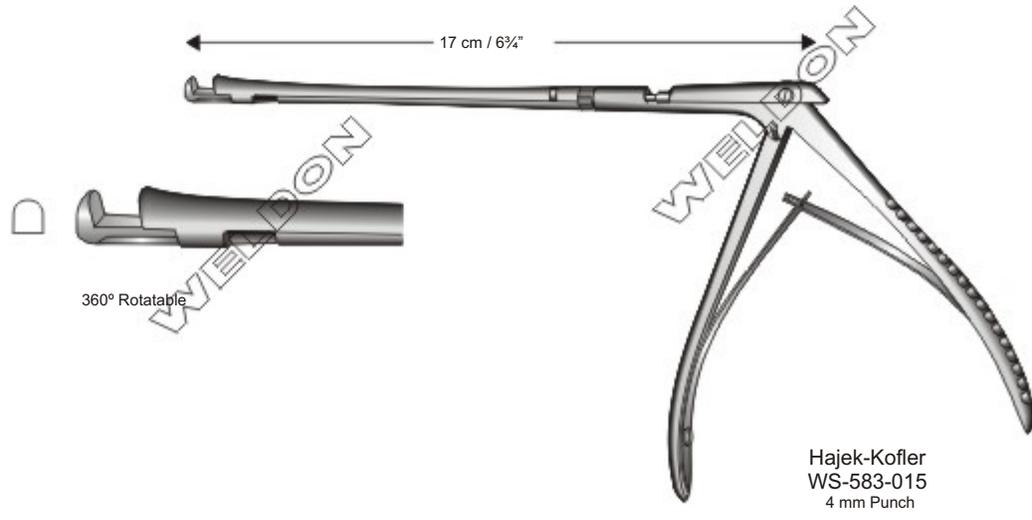
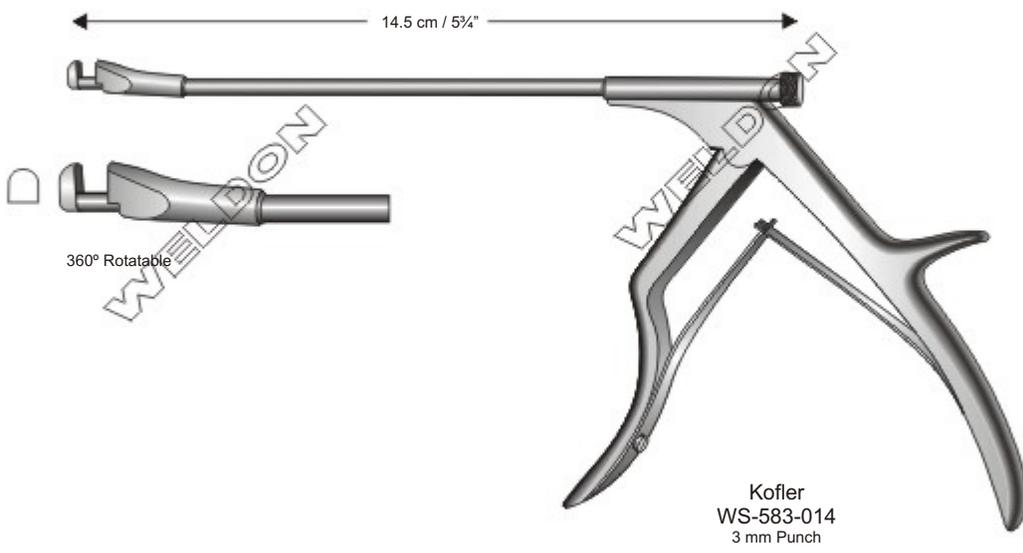
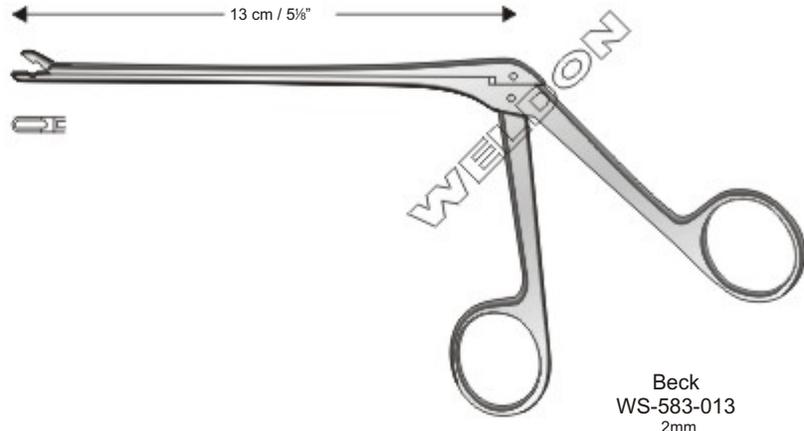


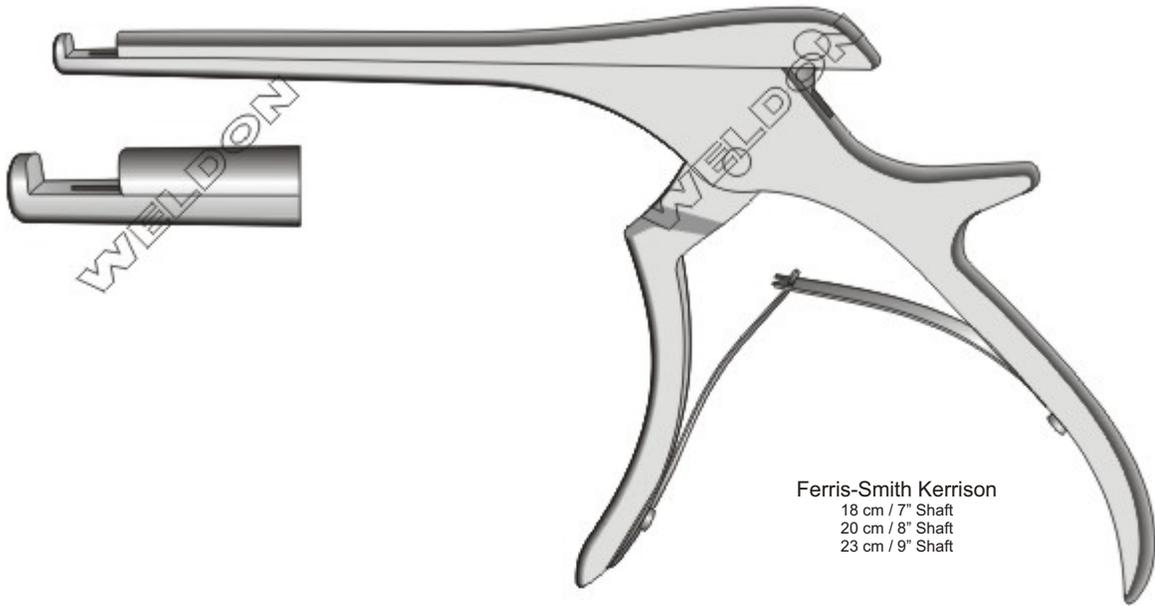
Mackay  
WS-582-011  
10 mm  
Scissors, Straight



Mackay  
WS-582-012  
10 mm  
Scissors, Angled Right

Bone Punches, Laminectomy Punches | Pinzas Sabacobados, Pinzas Para Laminectomia  
Keilbenstanzen, Leminektomiezzangen




**Upward Cutting**


WS-584-016 18 cm / 7"  
 WS-584-017 20 cm / 8"  
 WS-584-018 23 cm / 9"  
 1 mm



WS-584-019 18 cm / 7"  
 WS-584-020 20 cm / 8"  
 WS-584-021 23 cm / 9"  
 2 mm



WS-584-022 18 cm / 7"  
 WS-584-023 20 cm / 8"  
 WS-584-024 23 cm / 9"  
 3 mm



WS-584-025 18 cm / 7"  
 WS-584-026 20 cm / 8"  
 WS-584-027 23 cm / 9"  
 4 mm



WS-584-028 18 cm / 7"  
 WS-584-029 20 cm / 8"  
 WS-584-030 23 cm / 9"  
 5 mm



WS-584-031 18 cm / 7"  
 WS-584-032 20 cm / 8"  
 WS-584-033 23 cm / 9"  
 6 mm

**Downward Cutting**

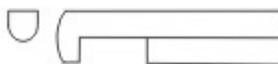

WS-584-034 18 cm / 7"  
 WS-584-035 20 cm / 8"  
 WS-584-036 23 cm / 9"  
 1 mm



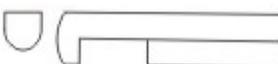
WS-584-037 18 cm / 7"  
 WS-584-038 20 cm / 8"  
 WS-584-039 23 cm / 9"  
 2 mm



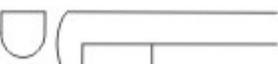
WS-584-040 18 cm / 7"  
 WS-584-041 20 cm / 8"  
 WS-584-042 23 cm / 9"  
 3 mm



WS-584-043 18 cm / 7"  
 WS-584-044 20 cm / 8"  
 WS-584-045 23 cm / 9"  
 4 mm



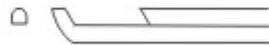
WS-584-046 18 cm / 7"  
 WS-584-047 20 cm / 8"  
 WS-584-048 23 cm / 9"  
 5 mm



WS-584-049 18 cm / 7"  
 WS-584-050 20 cm / 8"  
 WS-584-051 23 cm / 9"  
 6 mm

**Upward Cutting 40°**


WS-584-052 18 cm / 7"  
 WS-584-053 20 cm / 8"  
 WS-584-054 23 cm / 9"  
 1 mm



WS-584-055 18 cm / 7"  
 WS-584-056 20 cm / 8"  
 WS-584-057 23 cm / 9"  
 2 mm



WS-584-058 18 cm / 7"  
 WS-584-059 20 cm / 8"  
 WS-584-060 23 cm / 9"  
 3 mm



WS-584-061 18 cm / 7"  
 WS-584-062 20 cm / 8"  
 WS-584-063 23 cm / 9"  
 4 mm

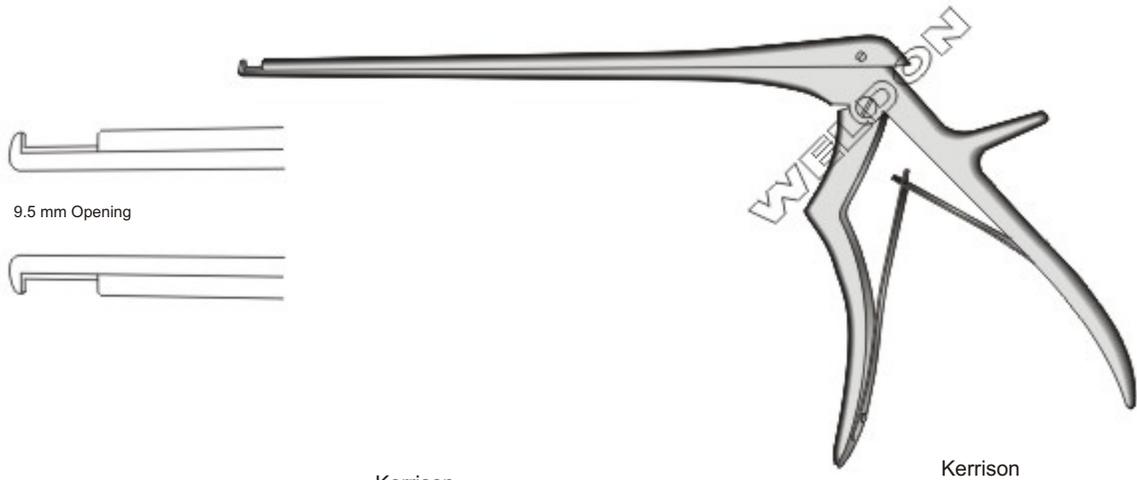


WS-584-064 18 cm / 7"  
 WS-584-065 20 cm / 8"  
 WS-584-066 23 cm / 9"  
 5 mm



WS-584-067 18 cm / 7"  
 WS-584-068 20 cm / 8"  
 WS-584-069 23 cm / 9"  
 6 mm

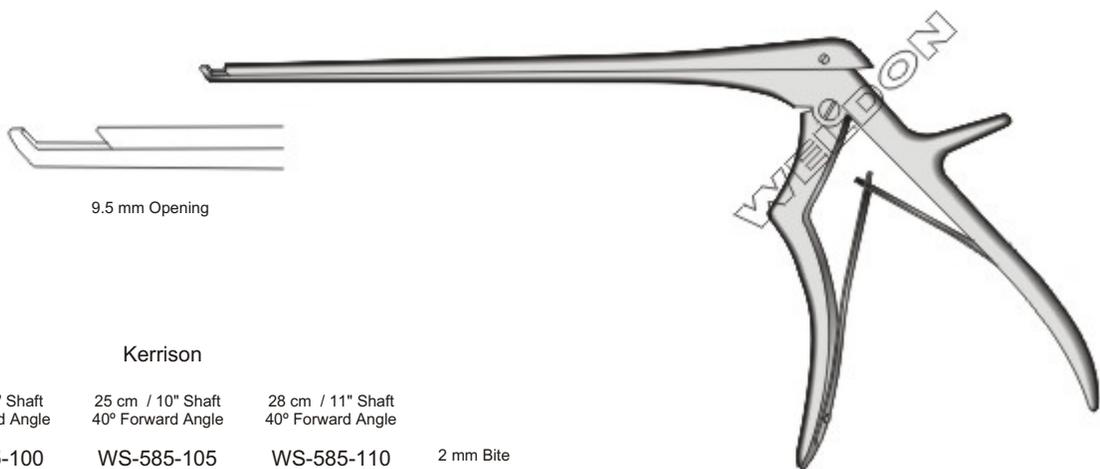
Bone Punches, Laminectomy Punches | Pinzas Sabacobados, Pinzas Para Laminectomia  
Keilbenstanzen, Laminektomiestanzen



Kerrison

Kerrison

18 cm / 7" Shaft 90° Up-Bite	18 cm / 7" Shaft 90° Down-Bite	20 cm / 8" Shaft 90° Up-Bite	20 cm / 8" Shaft 90° Down-Bite	18 cm / 7" Shaft 40° Forward Angle	20 cm / 8" Shaft 40° Forward Angle	
WS-585-070	WS-585-075	WS-585-080	WS-585-085	WS-585-090	WS-585-095	2 mm Bite
WS-585-071	WS-585-076	WS-585-081	WS-585-086	WS-585-091	WS-585-096	3 mm Bite
WS-585-072	WS-585-077	WS-585-082	WS-585-087	WS-585-092	WS-585-097	4 mm Bite
WS-585-073	WS-585-078	WS-585-083	WS-585-088	WS-585-093	WS-585-098	5 mm Bite
WS-585-074	WS-585-079	WS-585-084	WS-585-089	WS-585-094	WS-585-099	6 mm Bite



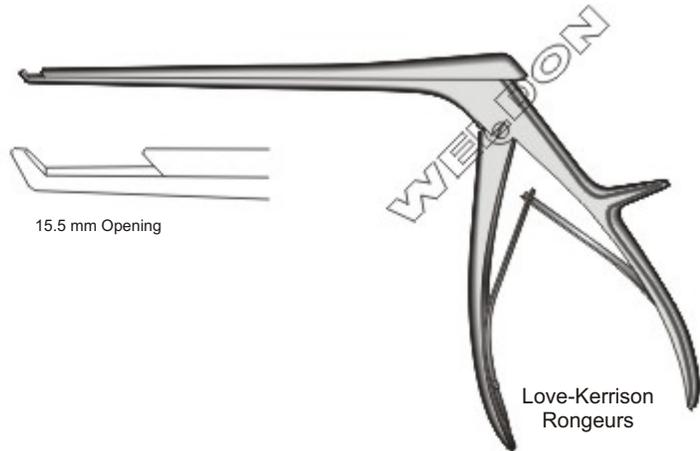
Kerrison

Kerrison

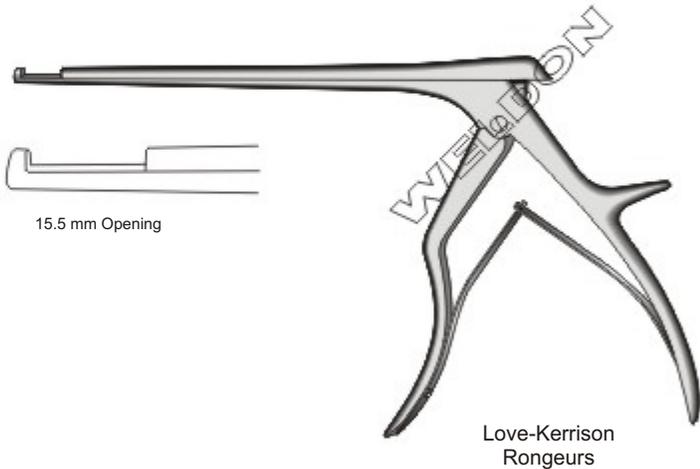
23 cm / 9" Shaft 40° Forward Angle	25 cm / 10" Shaft 40° Forward Angle	28 cm / 11" Shaft 40° Forward Angle	
WS-585-100	WS-585-105	WS-585-110	2 mm Bite
WS-585-101	WS-585-106	WS-585-111	3 mm Bite
WS-585-102	WS-585-107	WS-585-112	4 mm Bite
WS-585-103	WS-585-108	WS-585-113	5 mm Bite
WS-585-104	WS-585-109	WS-585-114	6 mm Bite

**Bone Punches, Laminectomy Punches | Pinzas Sabacobados, Pinzas Para Laminectomia**  
**Keilbenstanzen, Leminektomiestanzen**
**Love-Kerrison**  
 40° Forward Angle

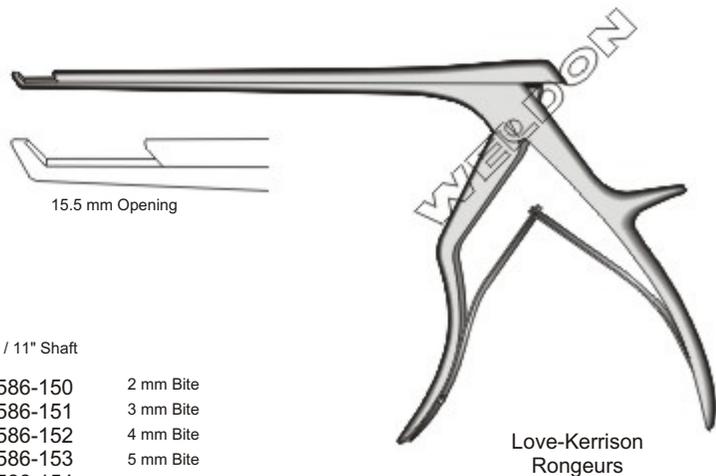
18 cm / 7" Shaft	20 cm / 8" Shaft	
WS-586-115	WS-586-120	2 mm Bite
WS-586-116	WS-586-121	3 mm Bite
WS-586-117	WS-586-122	4 mm Bite
WS-586-118	WS-586-123	5 mm Bite
WS-586-119	WS-586-124	6 mm Bite


**Love-Kerrison**  
 90° Upward

18 cm / 7" Shaft	20 cm / 8" Shaft	
WS-586-125	WS-586-130	2 mm Bite
WS-586-126	WS-586-131	3 mm Bite
WS-586-127	WS-586-132	4 mm Bite
WS-586-128	WS-586-133	5 mm Bite
WS-586-129	WS-586-134	6 mm Bite

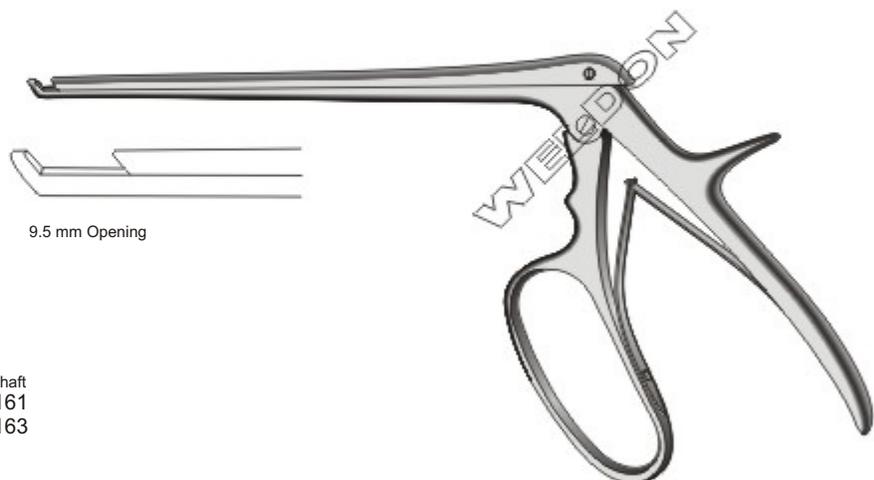
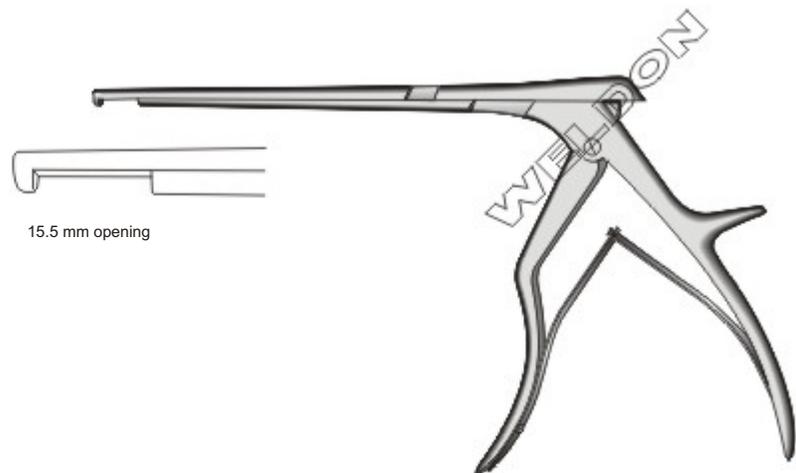

**Love-Kerrison**  
 40° Forward Angle

18 cm / 7" Shaft	20 cm / 8" Shaft	23 cm / 9" Shaft	28 cm / 11" Shaft	
WS-586-135	WS-586-140	WS-586-145	WS-586-150	2 mm Bite
WS-586-136	WS-586-141	WS-586-146	WS-586-151	3 mm Bite
WS-586-137	WS-586-142	WS-586-147	WS-586-152	4 mm Bite
WS-586-138	WS-586-143	WS-586-148	WS-586-153	5 mm Bite
WS-586-139	WS-586-144	WS-586-149	WS-586-154	6 mm Bite



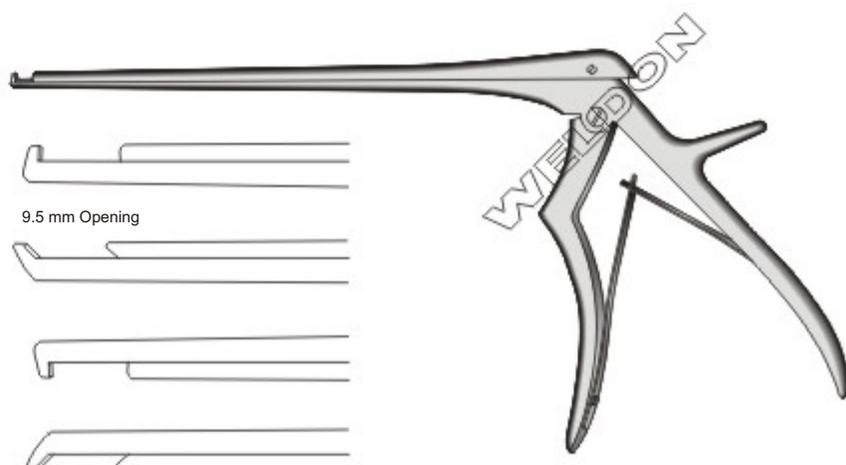
**Love-Kerrison Rongeur**  
20 cm / 8" Shaft  
90° Downward

WS-587-155	2 mm Bite
WS-587-156	3 mm Bite
WS-587-157	4 mm Bite
WS-587-158	5 mm Bite
WS-587-159	6 mm Bite



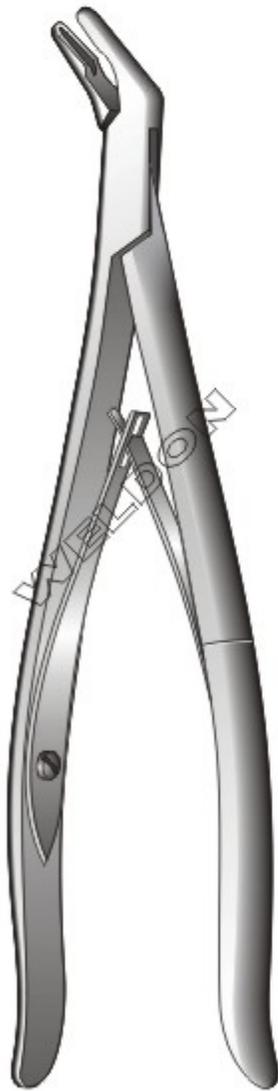
**Laminectomy Rongeur**  
40° Forward - Angle

17.5 cm / 6 7/8" Shaft	20 cm / 8" Shaft
WS-587-160	3 mm Bite
WS-587-162	5 mm Bite
WS-587-161	3 mm Bite
WS-587-163	5 mm Bite

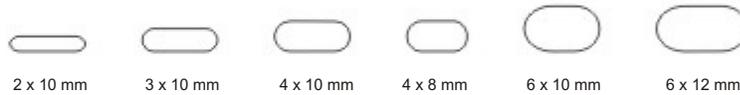


**Sella Punches**  
18 cm / 7" Shaft

WS-587-164	90° Upward Bite
WS-587-165	40° Upward Bite
WS-587-166	90° Downward Bite
WS-587-167	40° Downward Bite
	2 mm Bite



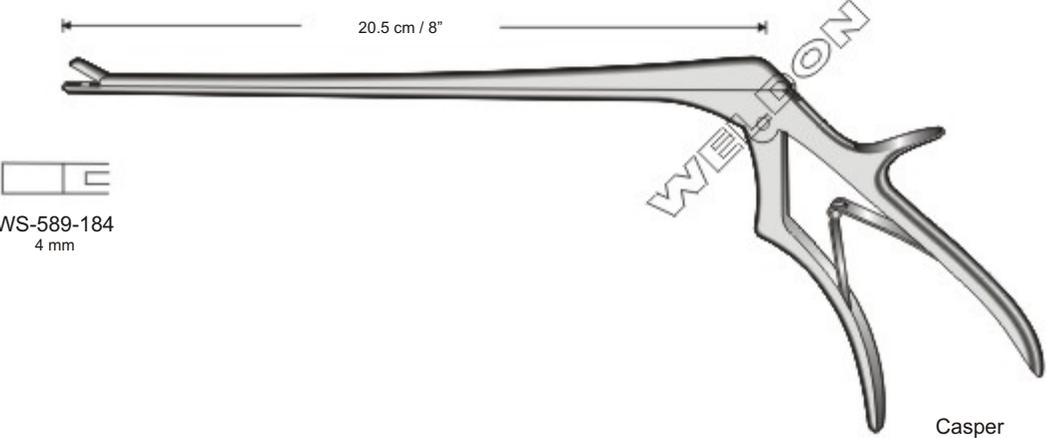
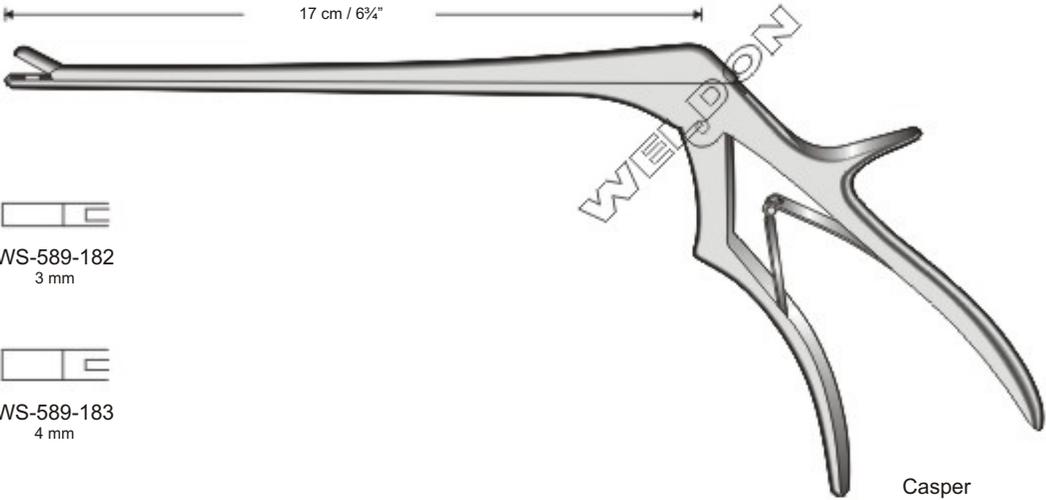
**Stookey Cranial Rongeur**  
WS-588-168  
19 cm / 7"  
3 mm Bite

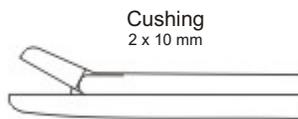
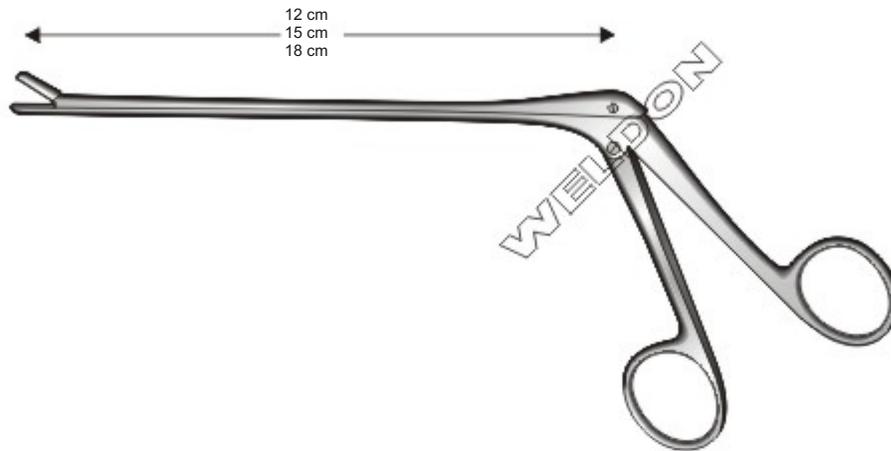


Straight	Downward Angle	Upward Angle	
WS-588-169	WS-588-175	WS-588-178	2 x 10 mm Bite
WS-588-170	WS-588-176	WS-588-179	3 x 10 mm Bite
WS-588-171	WS-588-177	WS-588-180	4 x 10 mm Bite
WS-588-172		WS-588-181	4 x 8 mm Bite
WS-588-173			6 x 10 mm Bite
WS-588-174			6 x 12 mm Bite

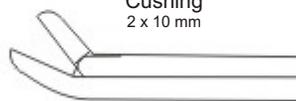


**Ferris-Smith  
Cup Jaw Rongeurs**  
18 cm / 7" Shaft  
Straight

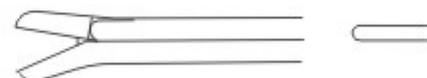


**Bone Punches, Leminectomy Rongeurs | Pinzas Sabacobados, Pinzas Para Leminectomia  
Keilbenstanzen, Leminektomiezangen**

**Cushing**  
2 x 10 mm

Straight  
 WS-590-185 12 mm  
 WS-590-186 15 mm  
 WS-590-187 18 mm


**Cushing**  
2 x 10 mm

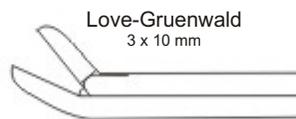
Upward, Angled at 45°  
 WS-590-188 12 mm  
 WS-590-189 15 mm  
 WS-590-190 18 mm


**Cushing**  
2 x 10 mm

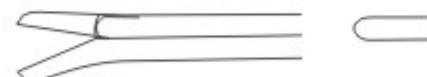
Downward, Angled at 45°  
 WS-590-191 12 mm  
 WS-590-192 15 mm  
 WS-590-193 18 mm


**Love-Gruenwald**  
3 x 10 mm

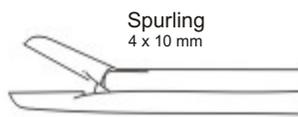
Straight  
 WS-590-194 12 mm  
 WS-590-195 15 mm  
 WS-590-196 18 mm


**Love-Gruenwald**  
3 x 10 mm

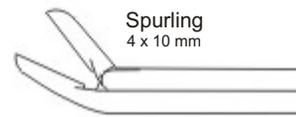
Upward, Angled at 45°  
 WS-590-197 12 mm  
 WS-590-198 15 mm  
 WS-590-199 18 mm


**Love-Gruenwald**  
3 x 10 mm

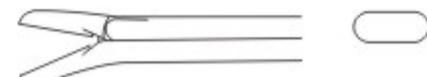
Downward, Angled at 45°  
 WS-590-200 12 mm  
 WS-590-201 15 mm  
 WS-590-202 18 mm


**Spurling**  
4 x 10 mm

Straight  
 WS-590-203 12 mm  
 WS-590-204 15 mm  
 WS-590-205 18 mm

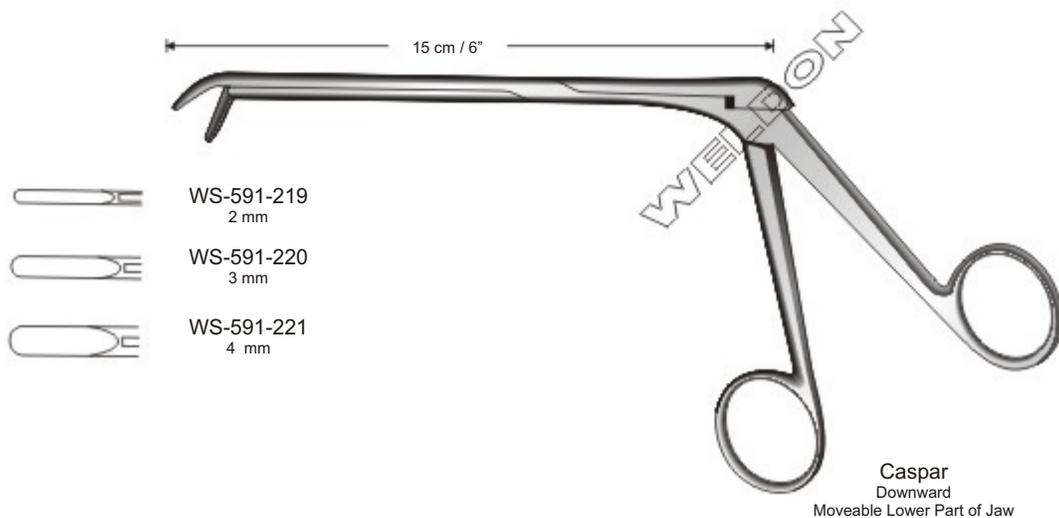
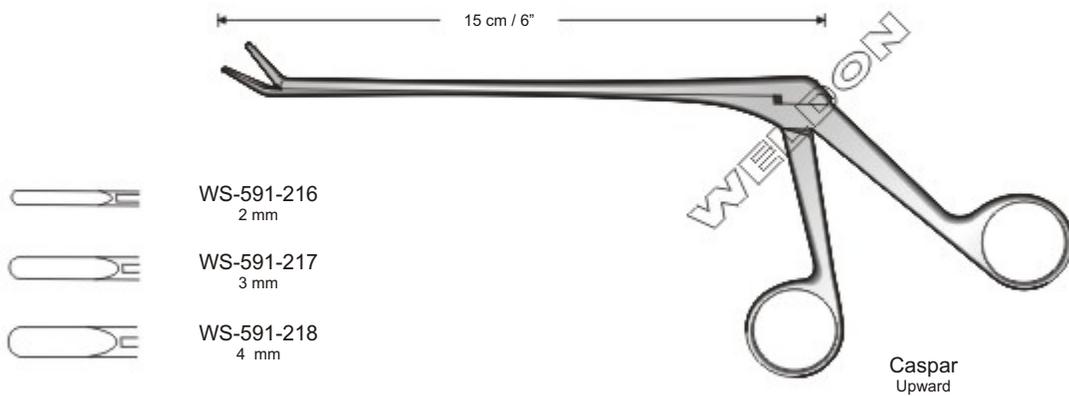
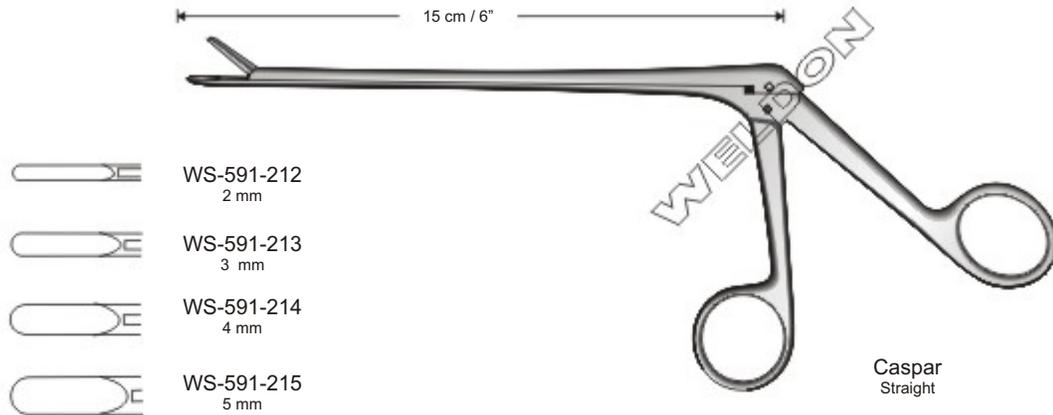

**Spurling**  
4 x 10 mm

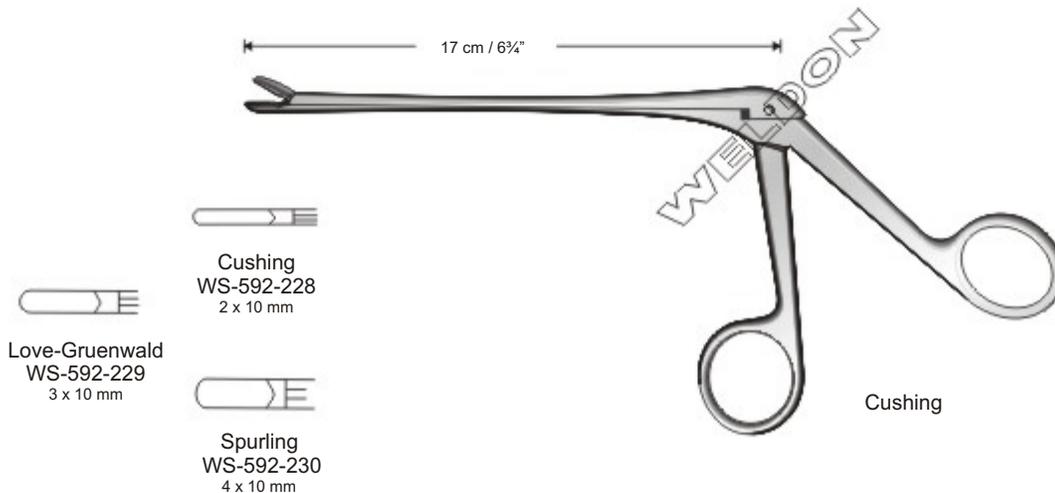
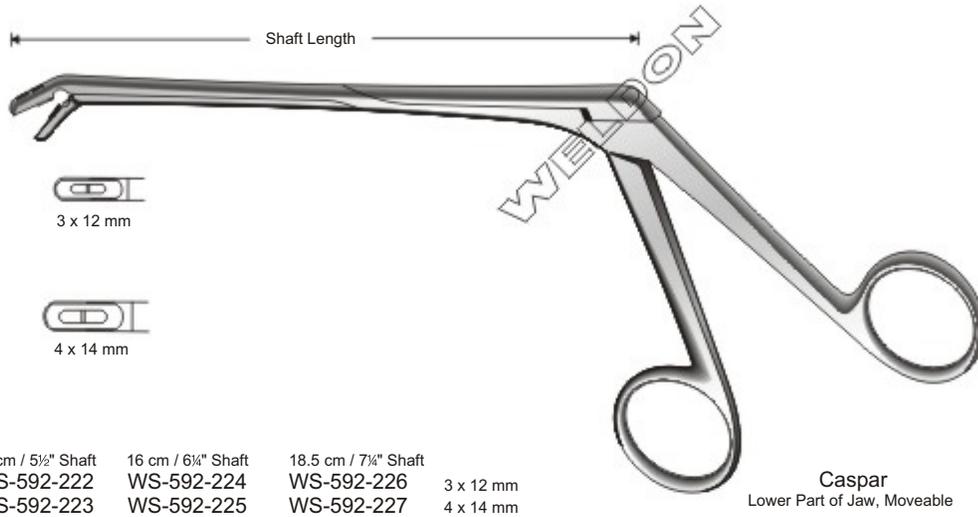
Upward, Angled at 45°  
 WS-590-206 12 mm  
 WS-590-207 15 mm  
 WS-590-208 18 mm


**Spurling**  
4 x 10 mm

Downward, Angled at 45°  
 WS-590-209 12 mm  
 WS-590-210 15 mm  
 WS-590-211 18 mm

Bone Punches, Laminectomy Rongeurs | Pinzas Sabacobados, Pinzas Para Laminectomia  
Keilbenstanzen, Leminektomieezangen



**Bone Punches, Laminectomy Rongeurs | Pinzas Sabacobados, Pinzas Para Laminectomia  
Keilbenstanzen, Laminektomieezangen**




Schlesinger Rongeurs  
 WS-593-231 2 x 10 mm Bite Straight  
 WS-593-232 3 x 10 mm Bite Straight  
 WS-593-233 4 x 10 mm Bite Straight  
 WS-593-234 3 x 10 mm Bite Upward Angled  
 13 cm / 5" Shaft  
 With Groove Serrated Jaw

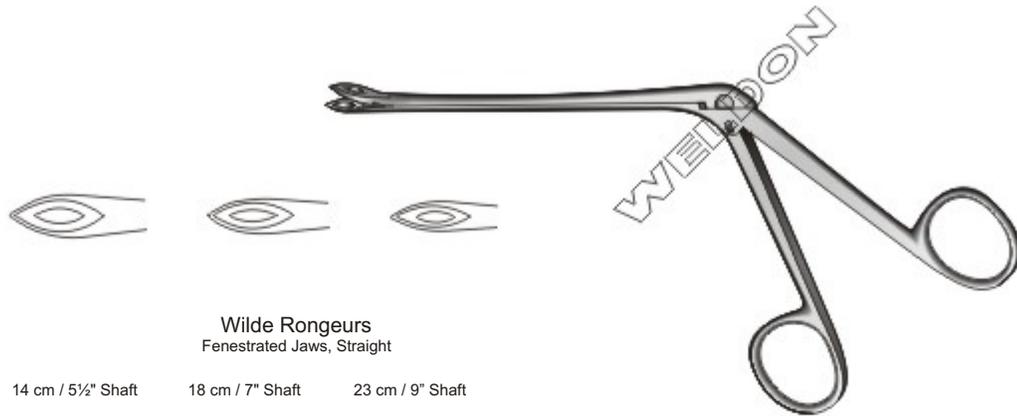


WS-593-236  
Upward-Angle



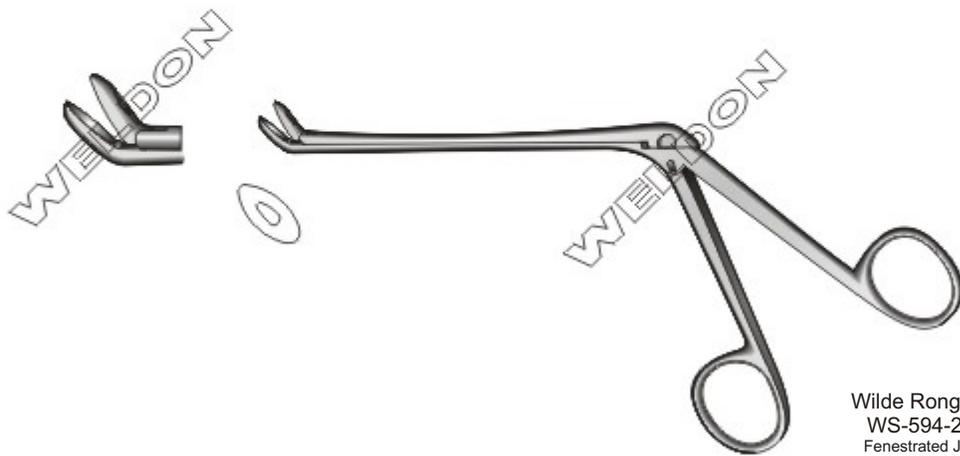
WS-593-237  
Downward-Angle

Schlesinger Rongeurs  
 WS-593-235  
 13 cm / 5" Shaft  
 Serrated Jaws, Straight  
 6 x 10 mm Bite  
 Without Groove

**Bone Punches, Leminectomy Rongeurs | Pinzas Sabacobados, Pinzas Para Leminectomia  
Keilbenstanzen, Leminektomiezangen**


**Wilde Rongeurs**  
Fenestrated Jaws, Straight

14 cm / 5½" Shaft	18 cm / 7" Shaft	23 cm / 9" Shaft	
WS-594-238	WS-594-241	WS-594-244	4 mm Bite
WS-594-239	WS-594-242	WS-594-245	5 mm Bite
WS-594-240	WS-594-243	WS-594-246	6 mm Bite

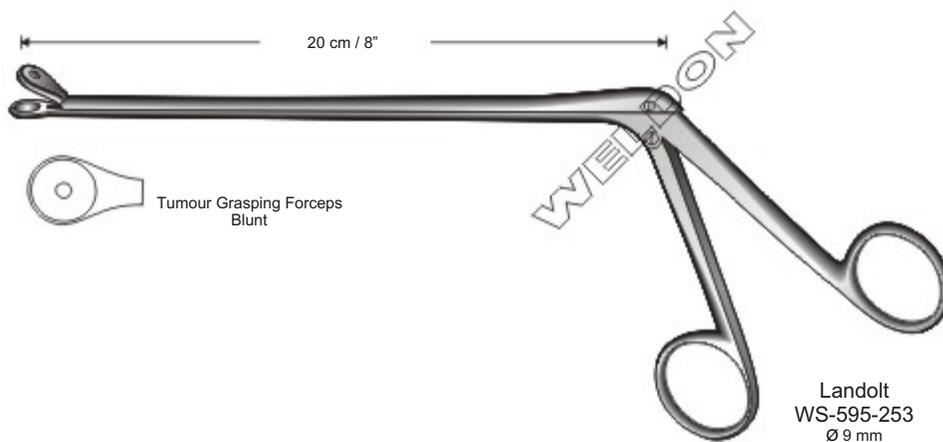
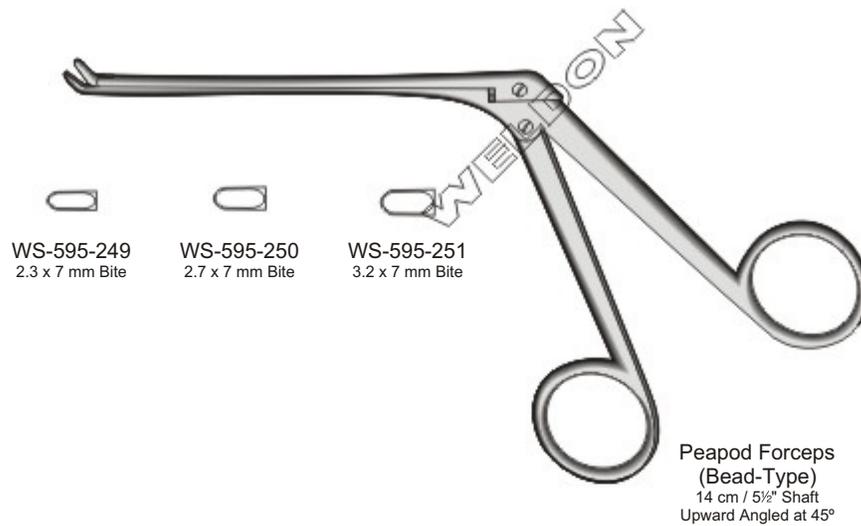


**Wilde Rongeurs**  
WS-594-247  
Fenestrated Jaws  
Upward Angled  
10.8 cm / 4¼" Shaft  
5 mm Bite

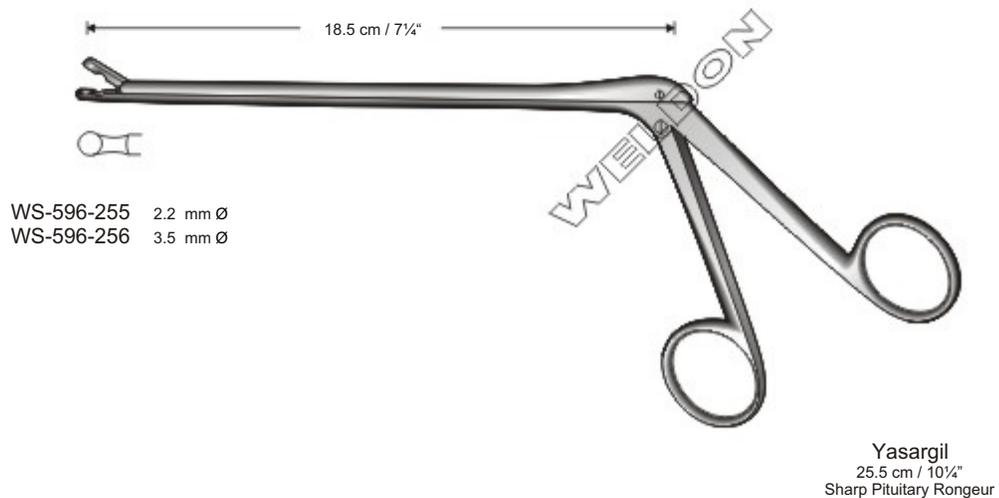
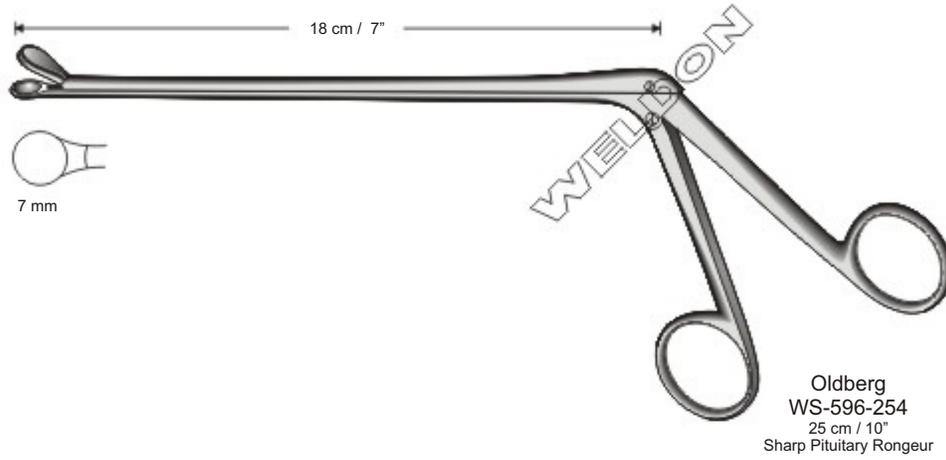


**Jackson Rongeurs**  
WS-594-248  
Fenestrated Jaws  
18 cm / 7" Shaft  
4 x 8 mm Bite  
Upward Angled at 70°

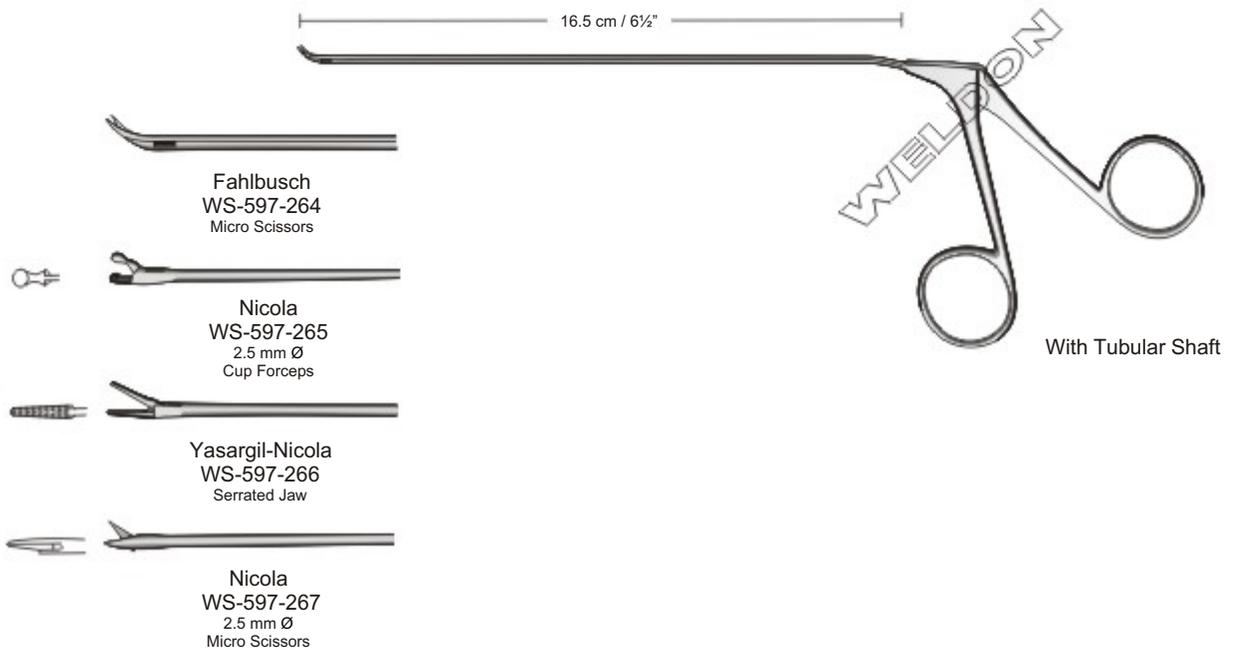
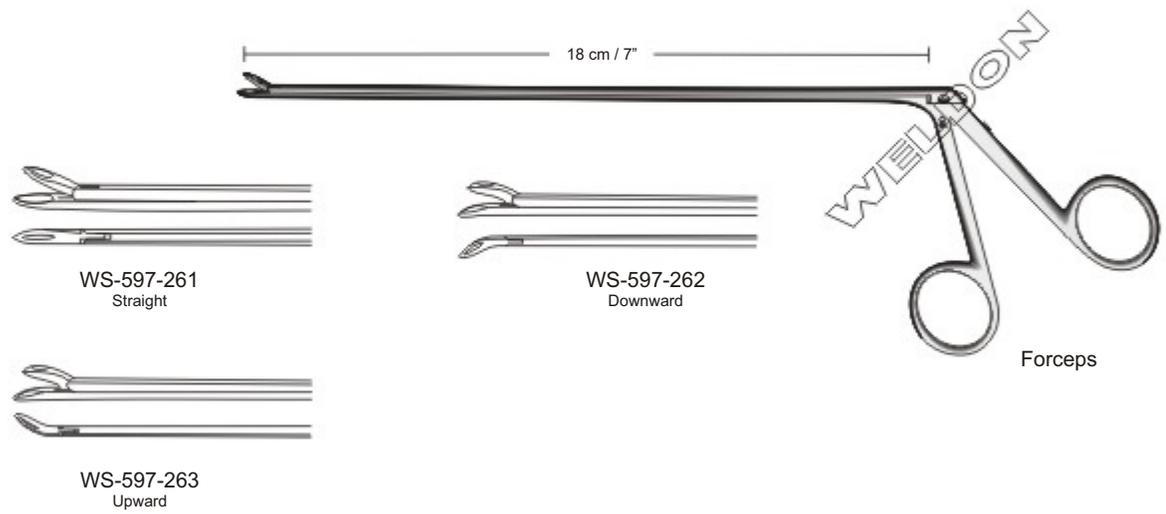
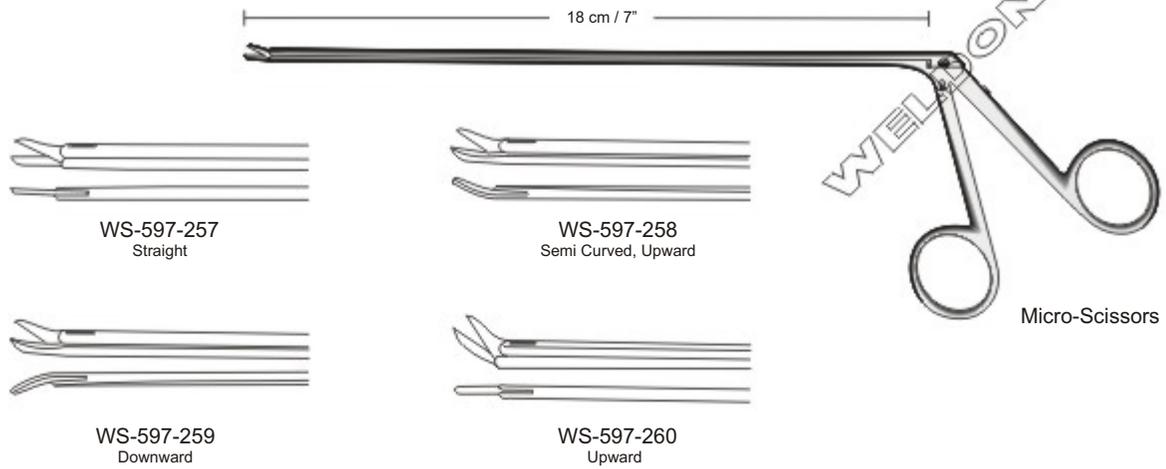
Bone Punches, Laminectomy Rongeurs | Pinzas Sabacobados, Pinzas Para Laminectomia  
Keilbenstanzen, Leminektomiezzangen

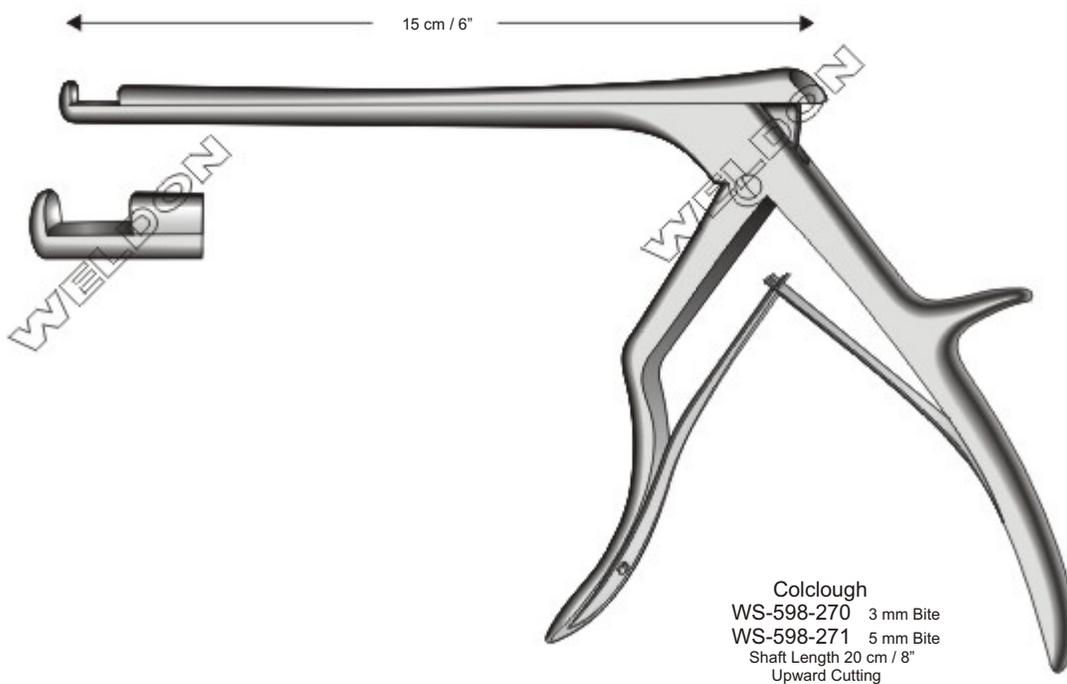
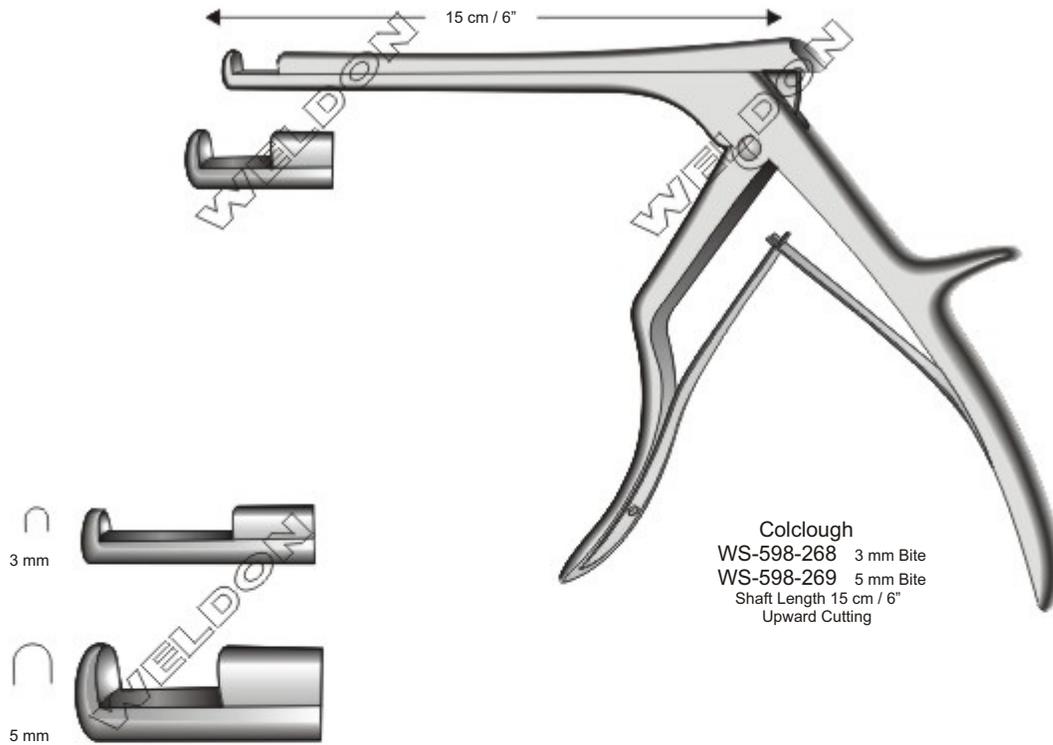


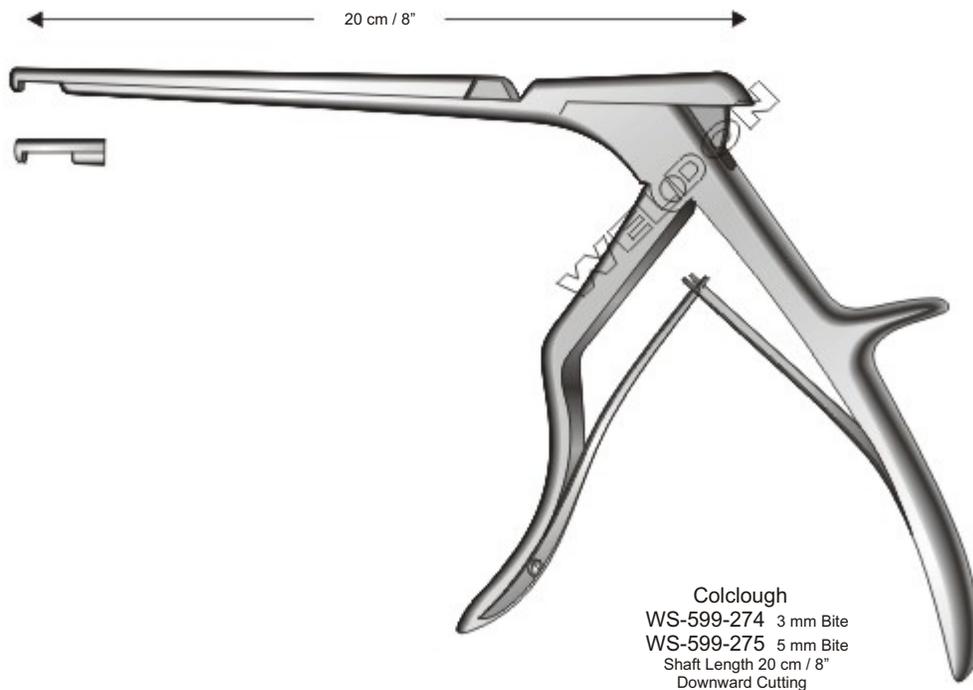
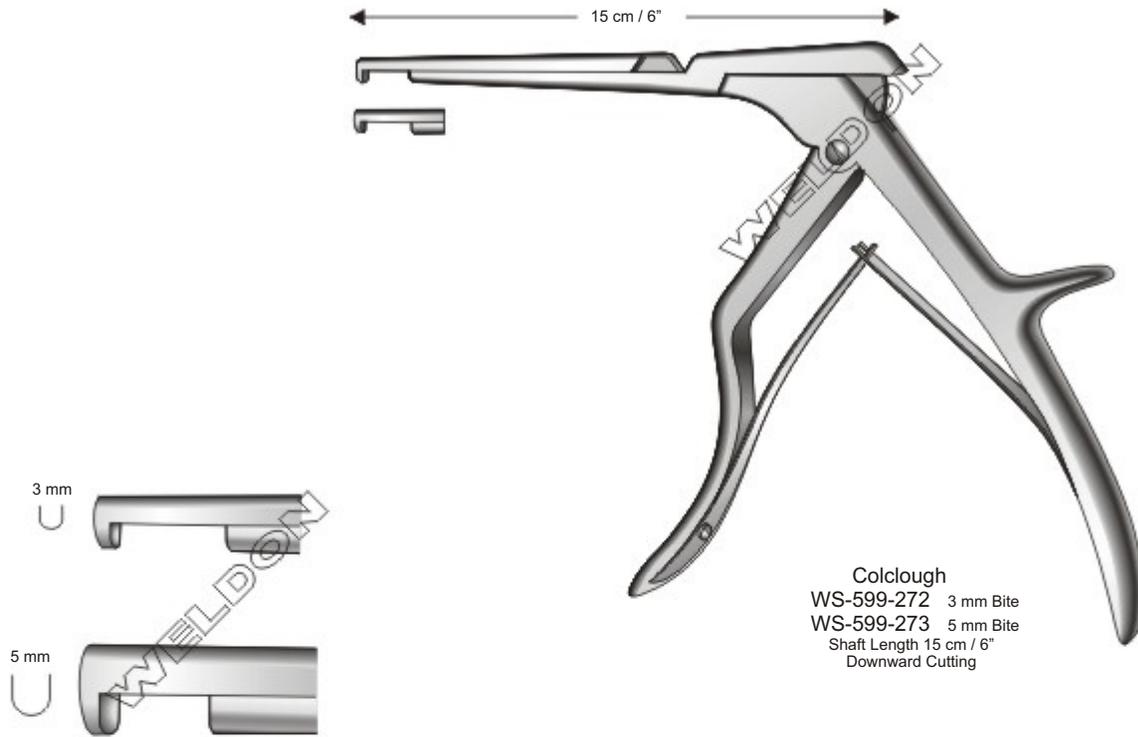
Bone Punches, Leminectomy Rongeurs | Pinzas Sabacobados, Pinzas Para Leminectomia  
 Keilbenstanzen, Leminektomiezangen



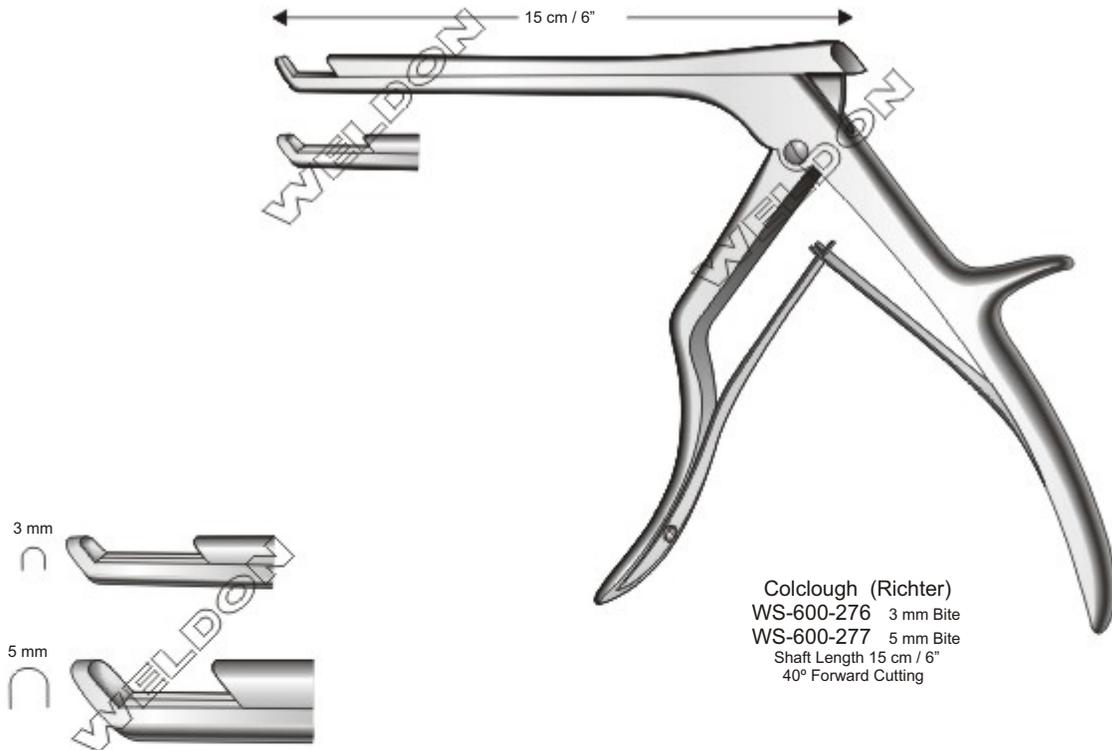
Bone Punches, Laminectomy Rongeurs | Pinzas Sabacobados, Pinzas Para Laminectomia  
Keilbenstanzen, Leminektomiezangen



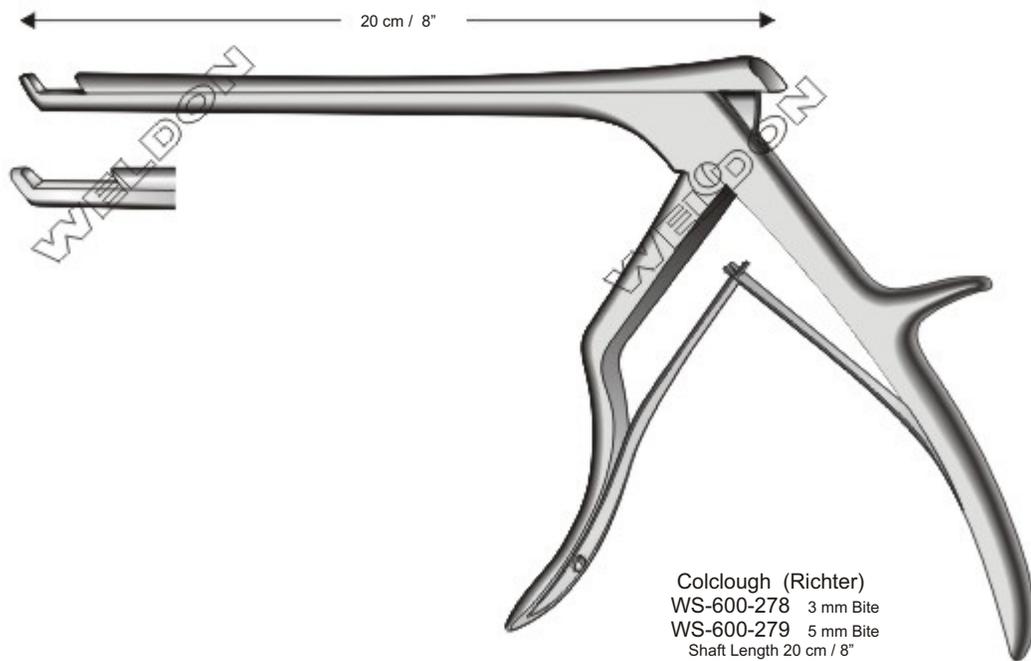




Bone Punches, Leminectomy Rongeurs | Pinzas Sabacobados, Pinzas Para Leminectomia  
 Keilbenstanzen, Leminektomiezangen

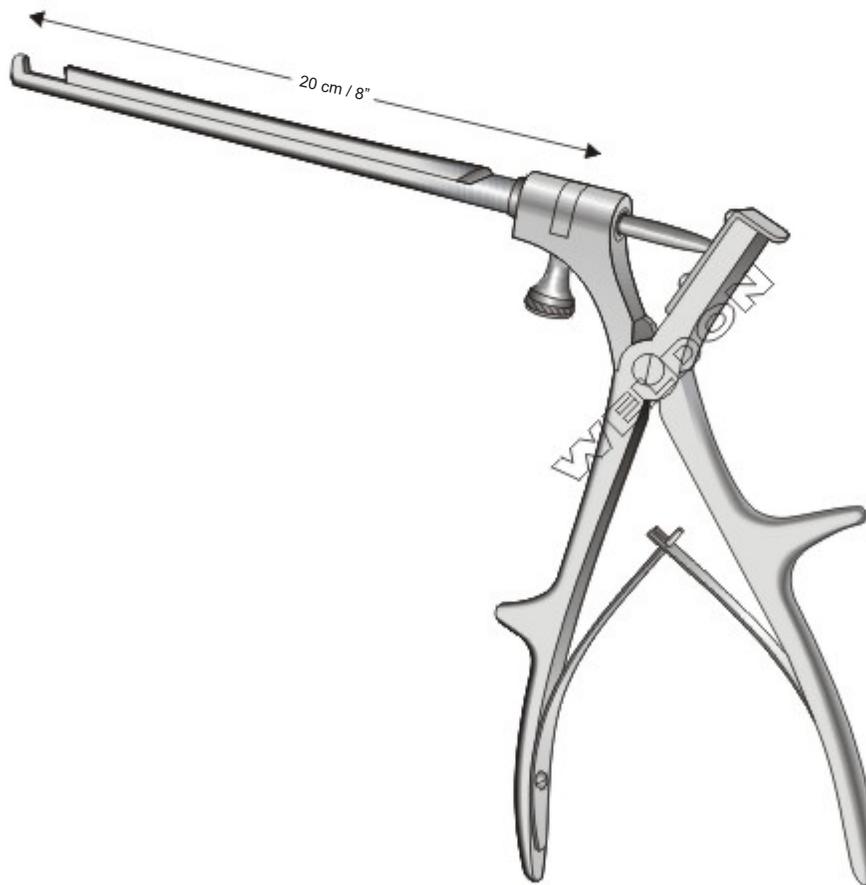


Colclough (Richter)  
 WS-600-276 3 mm Bite  
 WS-600-277 5 mm Bite  
 Shaft Length 15 cm / 6"  
 40° Forward Cutting



Colclough (Richter)  
 WS-600-278 3 mm Bite  
 WS-600-279 5 mm Bite  
 Shaft Length 20 cm / 8"  
 40° Forward Cutting

Intervertebral Disc Rongeur With Exchangeable Tips | Pinzas Sacabocada Para Discas Intervertebrales Con  
Extremidades Cambrables | Bandscheibenstanzen Mit Austauschbaren Tipps



Colclough  
WS-601-280  
Consists of 3 Interchangeable & Rotatable Tips With Handle  
WS-601-281  
Handle Only


**Scoville**

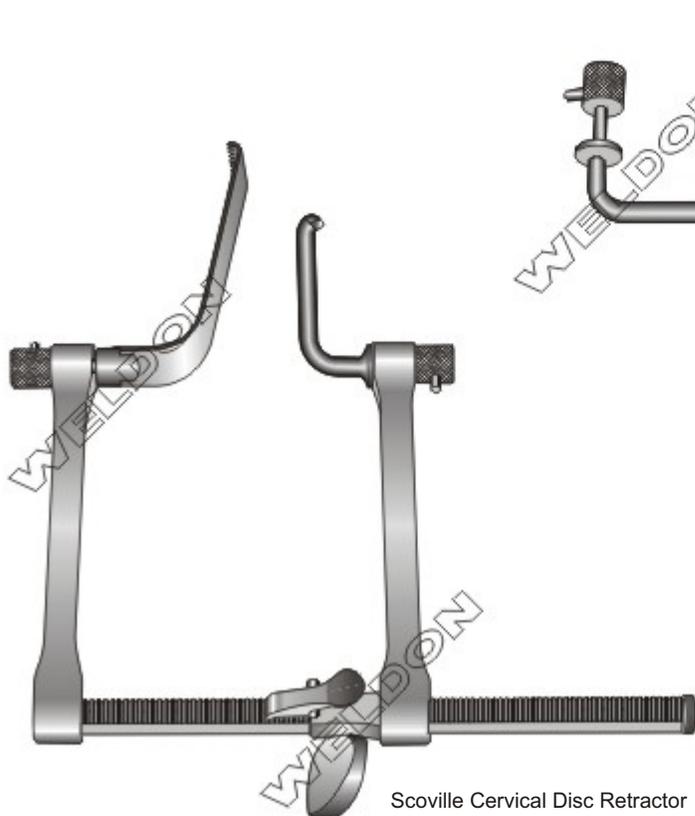

**WS-602-001**  
Hemilaminectomy Retractor  
Self-Retaining Includes The Following:

**WS-602-002**  
Hemilaminectomy Retractor Body  
Arm Length 14.1 cm / 5<sup>5/8</sup>"  
Total Opening 12.7 cm / 5"

**WS-602-003**  
Retractor Hook  
Length 5.1 cm / 2"

**WS-602-004**  
Retractor Blade - Optional  
Blade Width x Depth 2.5 cm / 1" x 6.4 cm / 2<sup>1/2</sup>"

**WS-602-005**  
Retractor Blade - Optional  
Blade Width x Depth 5.1 cm / 2" x 6.4 cm / 2<sup>1/2</sup>"


**Scoville Cervical Disc Retractor**


**WS-602-006**  
Self-Retaining With Ratchet Action Includes The Following:

**WS-602-007**  
Cervical Disc Retractor Body  
Arm Length 14.1 cm / 5<sup>5/8</sup>"  
Length 12.7 cm / 5"  
Total Opening 12.7 cm / 5"

Scoville Hooks  
**WS-602-008** Length 3.8 cm / 1<sup>1/2</sup>"  
**WS-602-009** Length 5.1 cm / 2"  
**WS-602-010** Length 7.6 cm / 3"

Meyering  
Retractor Blades  
**WS-602-011**  
Blade Width x Depth 2.5 cm / 1" x 5.1 cm / 2"  
**WS-602-012**  
Blade Width x Depth 5.1 cm / 2" x 8.9 cm / 3<sup>1/2</sup>"  
**WS-602-013**  
Blade Width x Depth 2.5 cm / 1" x 8.2 cm / 3<sup>1/4</sup>"



**Scoville**

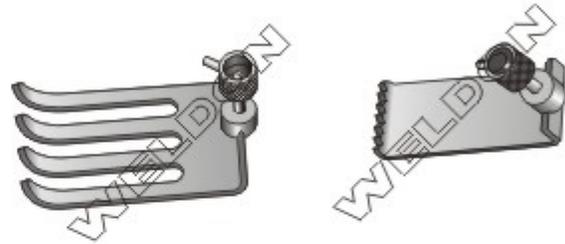
Hooks With Fixed Crossbar

- WS-603-014 Crossbar Length 2.5 cm x 1", Length 3.8 cm x 1½"
- WS-603-015 Crossbar Length 2.5 cm x 1", Length 5.6 cm / 2¼"
- WS-603-016 Crossbar Length 2.5 cm x 1", Length 7.5 cm / 2⅞"

**Taylor**

Laminectomy Blades

- WS-603-017 Blade Width x Depth 3.8 cm / 1½" x 4.5 cm / 1¾", Three Prongs
- WS-603-018 Blade Width x Depth 5.1 cm / 2" x 4.8 cm / 1⅞", Four Prong
- WS-603-019 Blade Width x Depth 5.7 cm / 2¼" x 6.4 cm / 2½", Four Prong
- WS-603-020 Blade Width x Depth 5.7 cm / 2¼" x 7.9 cm / 3⅛", Four Prong



**Scoville-Haverfield**

WS-603-021

Hemilaminectomy Retractor

Self-Retaining With Ratchet Action And Hinged Arms Includes Following:

**Scoville-Haverfield**

WS-603-022

Hemilaminectomy Retractor Body

Arm Length 14.6 cm / 5¾"

Total Opening 17.8 cm / 7"

**Scoville**

Retractor Blades

- WS-603-023 Blade Width x Depth 2.5 cm / 1" x 6.4 cm / 2½"

**Scoville Hook**

- WS-603-024 Length 5.1 cm / 2"

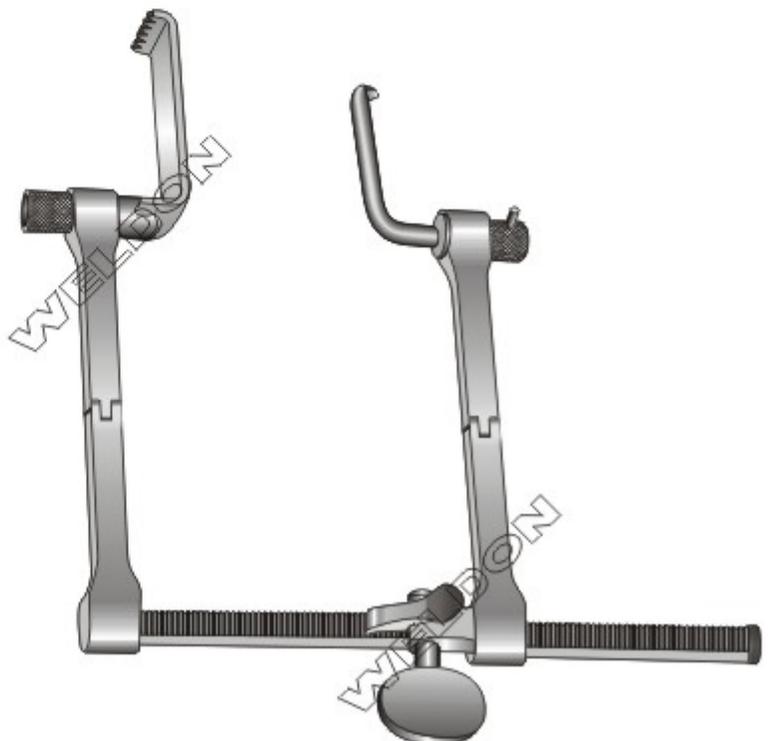
**Optional Blades**

- WS-603-025 Blade Width x Depth 2.9 cm / 1⅛" x 6.7 cm / 2⅝"
- WS-603-026 Blade Width x Depth 2.5 cm / 1" x 8.9 cm / 3½"

**Scoville**

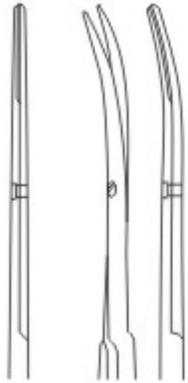
Retractor Blades, Four Prongs

- WS-603-027 Blade Width x Depth 3.8 cm / 1½" x 4.1 cm / 1⅝"
- WS-603-028 Blade Width x Depth 4.4 cm / 1¾" x 6.7 cm / 2⅝"



Scoville-Haverfield

Mirco Scissors, Bayonet | Micro Tijeras, Bayoneta | Mikro-Scheren, Bajonettförmig



WS-604-001 Straight  
WS-604-002 Curved



Yasargil  
22.5 cm / 9"



Yasargil  
22 cm / 9"



DeBakey  
WS-604-008  
19 cm / 7½"



Nagel  
WS-604-006  
20 cm / 8"



Nagel  
WS-604-007  
20 cm / 8"



Curved



WS-605-010  
Straight

WS-605-011  
Curved



Straight



WS-605-013  
Straight



WS-605-014  
Curved



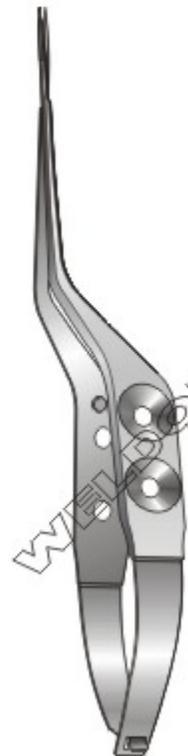
Yasargil  
WS-605-009  
24.5 cm / 9 3/4"  
Blunt



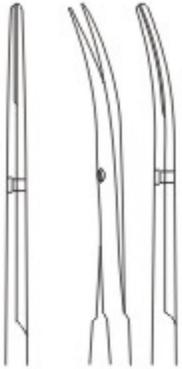
Yasargil  
20 cm / 8"



Yasargil  
WS-605-012  
18.5 cm / 7 1/2"  
Sharp



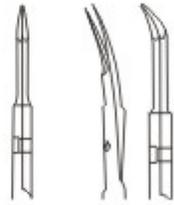
Yasargil  
16.5 cm / 6 1/2"  
Blunt



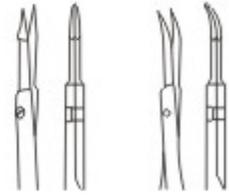
WS-606-015 Straight  
WS-606-016 Curved



Curved



WS-606-018 Straight  
WS-606-019 Curved



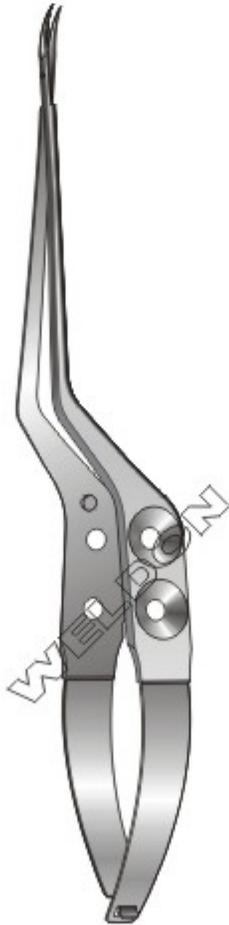
WS-606-020 Straight  
WS-606-021 Curved



WS-606-022 Straight  
WS-606-023 Curved



Yasargil  
20 cm / 8"  
Blunt



Yasargil  
WS-606-017  
20 cm / 8"  
Sharp



Yasargil  
22.5 cm / 9"



Yasargil  
22.5 cm / 9"

Mirco Scissors, Bayonet | Micro Tijeras, Bayoneta | Mikro-Scheren, Bajonettförmig



WS-607-024  
Sharp / Sharp



WS-607-027  
Sharp / Sharp



WS-607-030  
Sharp / Sharp



WS-607-025  
Sharp / Blunt



WS-607-028  
Sharp / Blunt



WS-607-031  
Sharp / Blunt



WS-607-026  
Blunt / Blunt



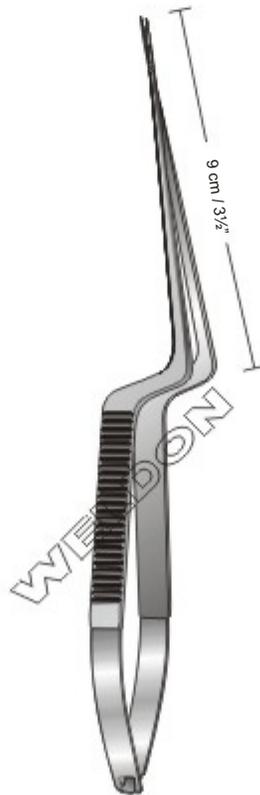
WS-607-029  
Blunt / Blunt



WS-607-032  
Blunt / Blunt



Shaft Length 7 cm / 2¾"  
Complete Length 19.5 cm / 7¾"  
Straight



Shaft Length 9 cm / 3½"  
Complete Length 21.5 cm / 8½"  
Straight



Shaft Length 12 cm / 4¾"  
Complete Length 24.5 cm / 9¾"  
Straight

Mirco Scissors, Bayonet | Micro Tijeras | Mikro-Scheren, Bajonettförmig



WS-608-033  
Sharp / Sharp



WS-608-036  
Sharp / Sharp



WS-608-039  
Sharp / Sharp



WS-608-034  
Sharp / Blunt



WS-608-037  
Sharp / Blunt



WS-608-040  
Sharp / Blunt



WS-608-035  
Blunt / Blunt



WS-608-038  
Blunt / Blunt



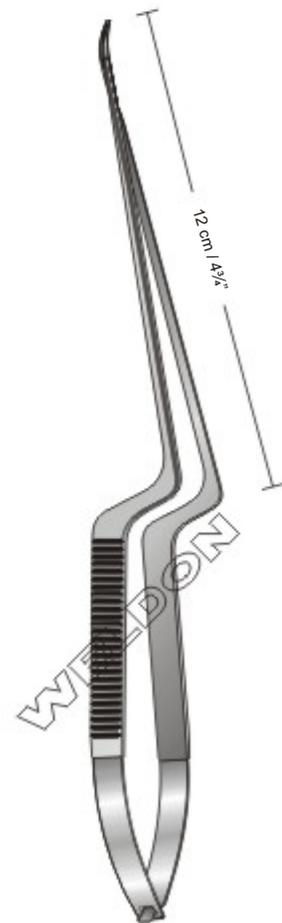
WS-608-041  
Blunt / Blunt



Shaft Length 7 cm / 2 3/4"  
Complete Length 20 cm / 8"  
Curved



Shaft Length 9 cm / 3 1/2"  
Complete Length 20 cm / 8"  
Curved



Shaft Length 12 cm / 4 3/4"  
Complete Length 24 cm / 9 1/2"  
Curved

Mirco Scissors Straight | Micro Tijeras, Recta | Mikro-Scheren, Gerade



WS-609-042  
Sharp / Blunt  
Curved



WS-609-047  
Sharp / Sharp  
Straight



WS-609-043  
Sharp / Sharp  
Curved



Sharp / Blunt  
Curved



Probe / Sharp  
Curved



WS-609-048  
Sharp / Sharp  
Curved



WS-609-044  
Sharp / Sharp  
Straight



Müller  
12 cm / 4 3/4"



Müller  
WS-609-043  
12 cm / 4 3/4"

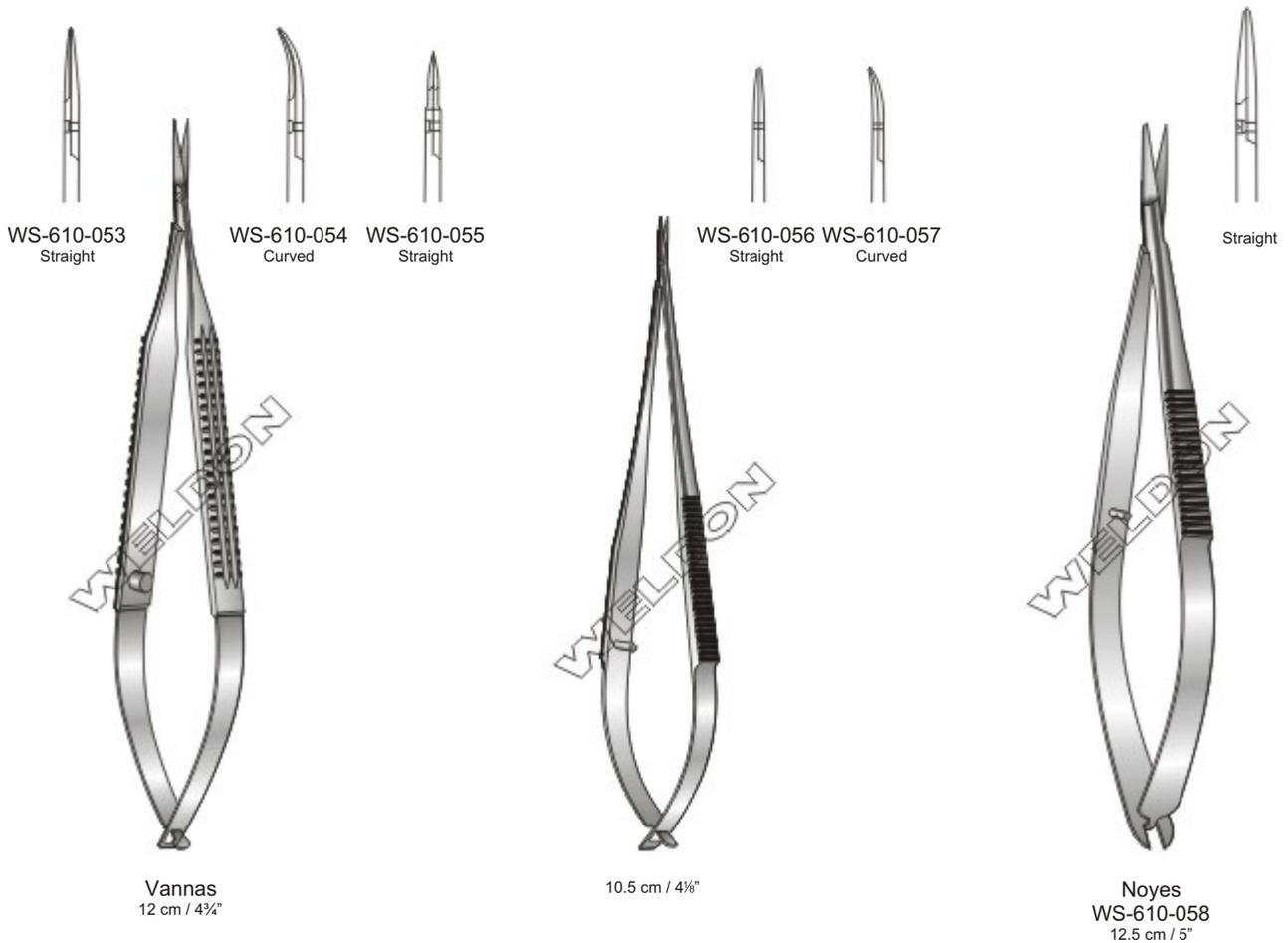
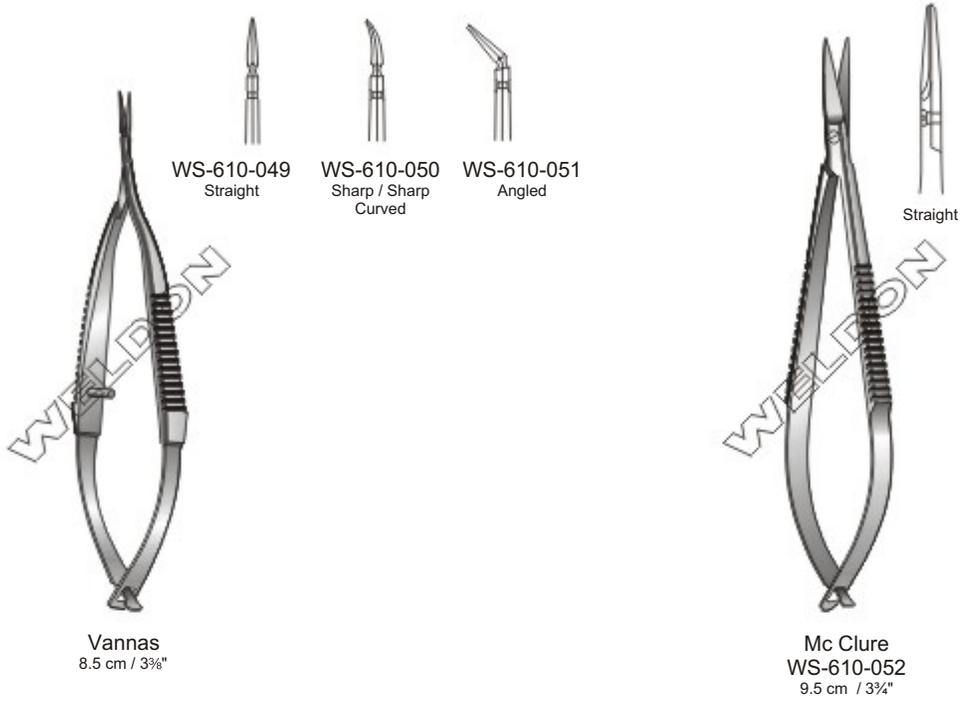


Müller  
WS-609-044  
12 cm / 4 3/4"



Müller  
17 cm / 6 3/4"

Mirco Scissors Straight | Micro Tijeras, Recta | Mikro-Scheren, Gerade



Micro Scissors with Flat Grip, Straight | Micro Tijeras Con el Opretón Plano, Recta  
Mikro-Federschere mit Flachgriffen und Karoprofil, Gerade



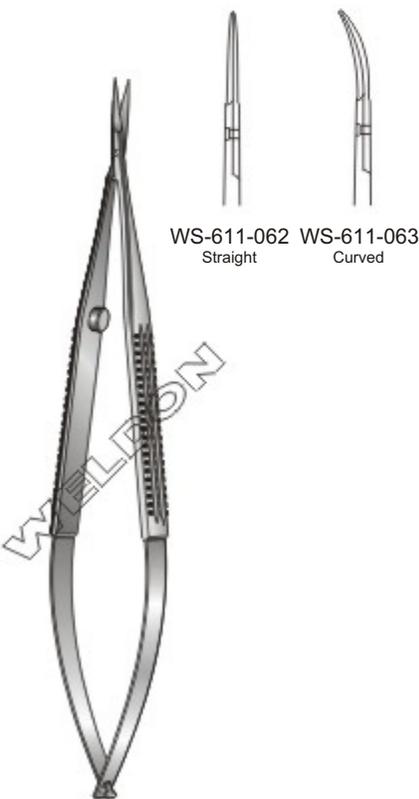
WS-611-059  
Curved



WS-611-060  
Angled



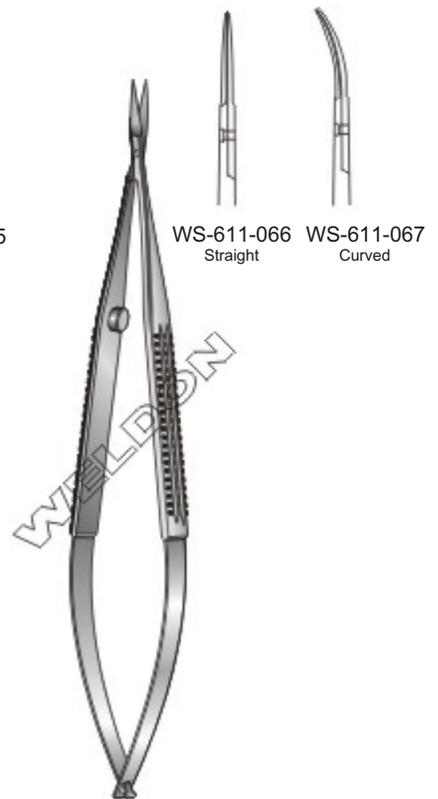
Biemer  
WS-611-061  
13 cm / 5 1/8"  
Straight



WS-611-062 Straight  
WS-611-063 Curved



WS-611-064 Straight  
WS-611-065 Curved



WS-611-066 Straight  
WS-611-067 Curved

16 cm / 6 1/4"

Vannas  
16 cm / 6 1/4"

Millesi  
16 cm / 6 1/4"

Micro Scissors with Flat / Round Grip, Straight | Micro Tijeras Con el Opretón Plano Y Redondas, Recta  
 Mikro-Federscheren mit Flachgriffen und Rundgriffen Gerade



Micro-Scissors  
 14.5 cm / 5 7/8"



WS-612-068  
 Straight



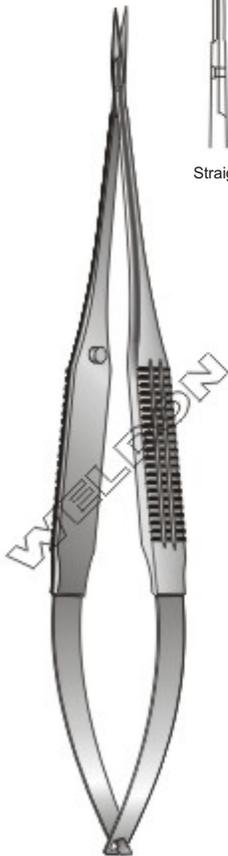
WS-612-069  
 Curved



WS-612-070  
 Curved



Straight



Yasargil  
 WS-612-071  
 18.5 cm / 7 1/4"



Curved



Jacobson  
 WS-612-072  
 18.5 cm / 7 1/4"

Mirco Scissors with Flat Handles, Straight | Micro Tijeras Con Opretón Plano, Recta  
Mikro-Federschere mit Flachgriffen, Gerade



WS-613-073  
Straight



WS-613-074  
Straight



WS-613-075  
Curved



WS-613-076  
Curved



WS-613-077



WS-613-078



WS-613-079



WS-613-080



WS-613-081

Fine Blades



WS-613-082



WS-613-083



WS-613-084



WS-613-085



WS-613-086

Fine Blades  
1 Blade With Probe



WS-613-087



WS-613-088



WS-613-089



WS-613-090



WS-613-091

Very  
Fine Blades



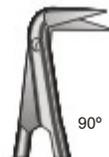
WS-613-092



WS-613-093



WS-613-094



WS-613-095



WS-613-096

Extremely  
Fine Blades



16.5 cm / 6 1/2"

**Mirco Scissors with Flat Handles, Straight | Micro Tijeras Con Opretón Plano, Recta**  
**Mikro-Federschere mit Flachgriffen, Gerade**

**WS-614-097**  
 Straight

**WS-614-098**  
 Curved

**WS-614-099**  
 Curved


Fine Blades

**WS-614-100**

**WS-614-101**

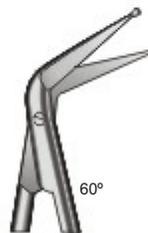
**WS-614-102**

**WS-614-103**

**WS-614-104**

 Very  
 Fine Blades

**WS-614-105**

**WS-614-106**

**WS-614-107**

**WS-614-108**

**WS-614-109**

 Very  
 Fine Blades

**WS-614-110**

**WS-614-111**

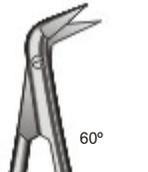
**WS-614-112**

**WS-614-113**

**WS-614-114**

 Extremely  
 Fine Blades

**WS-614-115**

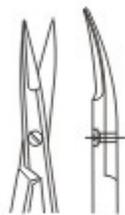
**WS-614-116**

**WS-614-117**

**WS-614-118**

**WS-614-119**


16.5 cm / 6½"

Micro Scissors with Round Handles, Straight | Micro Tijeras con Mangos Redondas, Recta  
Mikro-Scheren mit Rundgriffen, Gerade



WS-615-120  
Sharp / Sharp  
Curved



WS-615-121  
Sharp / Sharp  
Straight



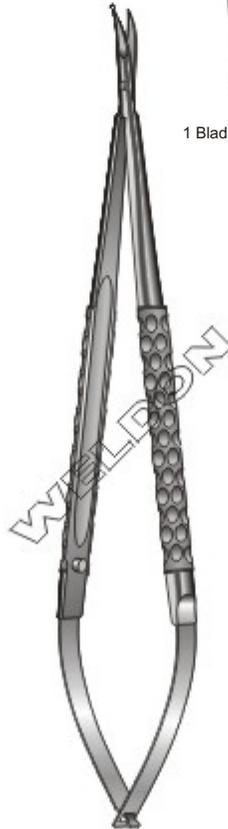
1 Blade With Probe



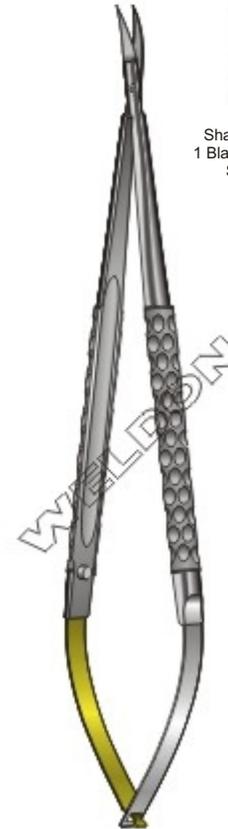
Sharp / Sharp  
1 Blade Serrated  
Straight



18 cm / 7"

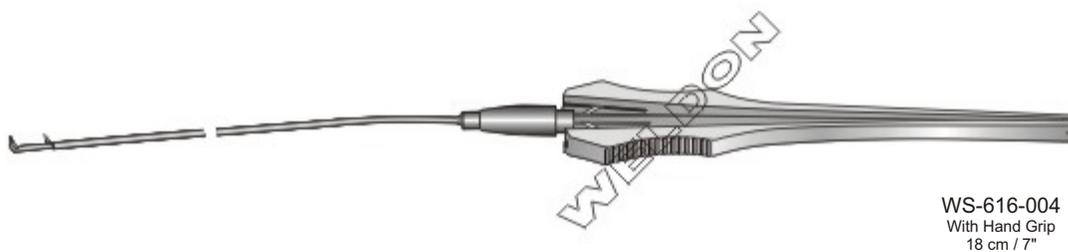
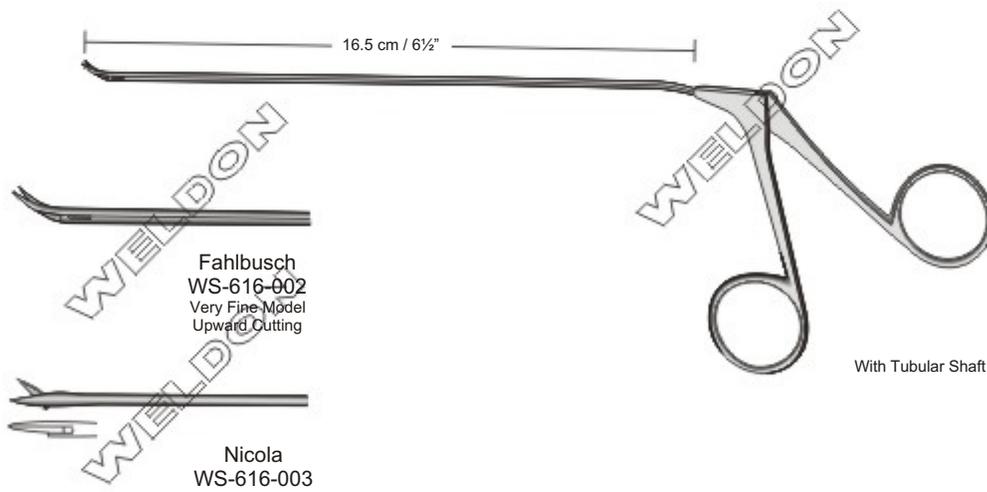
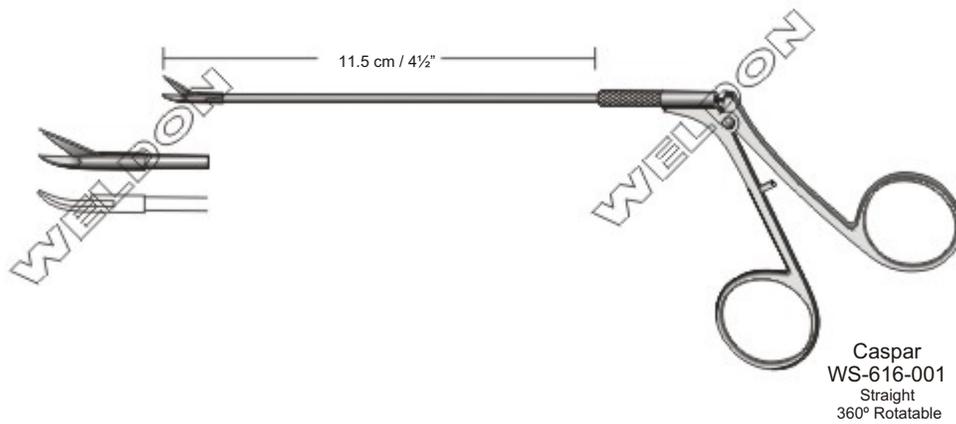


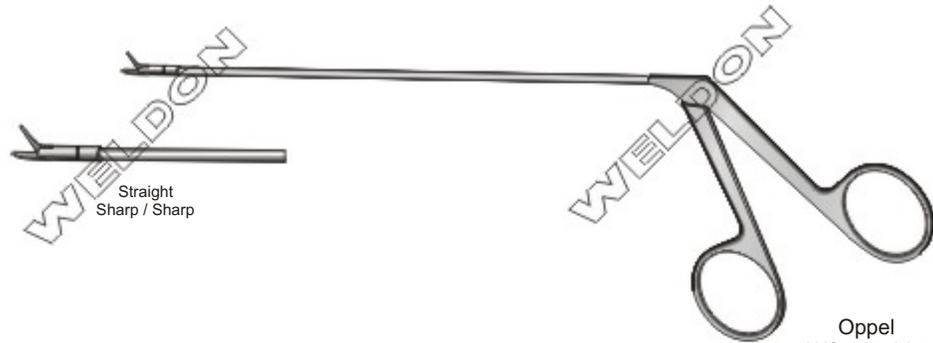
Micro Scissors  
WS-615-122  
18 cm / 7"



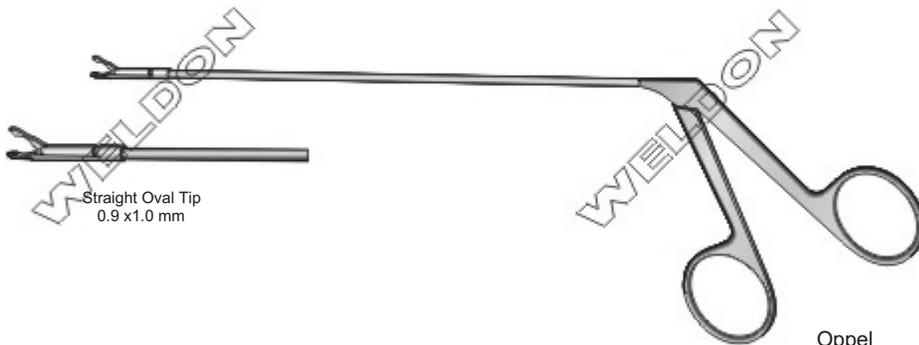
Micro Thread Scissors  
WS-615-123  
For Material 8 / 0 & Smaller  
18 cm / 7"

Micro Scissors | Micro Tijeras | Mikro-Scheren

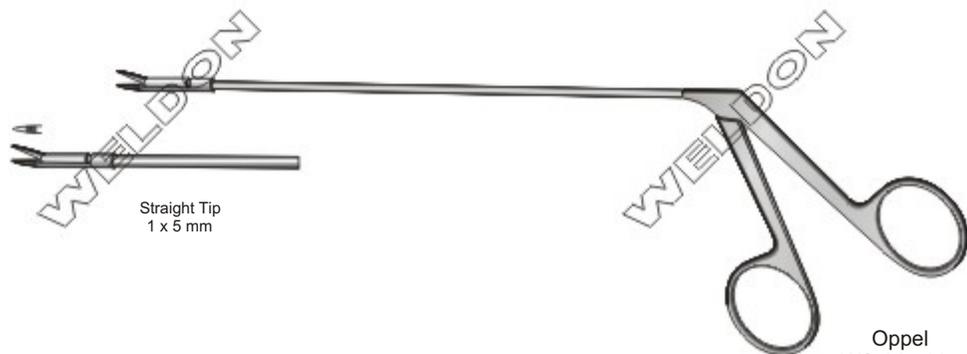




Oppel  
WS-617-005  
Micro Scissors  
Flexible  
Vertical Cutting



Oppel  
WS-617-006  
Micro Forceps  
Oval Cup  
Flexible



Oppel  
WS-617-007  
Micro Tubular Forceps  
Flexible.



Yasargil  
WS-618-001  
22 cm / 8 3/4"



Yasargil  
WS-618-002  
22 cm / 8 3/4"



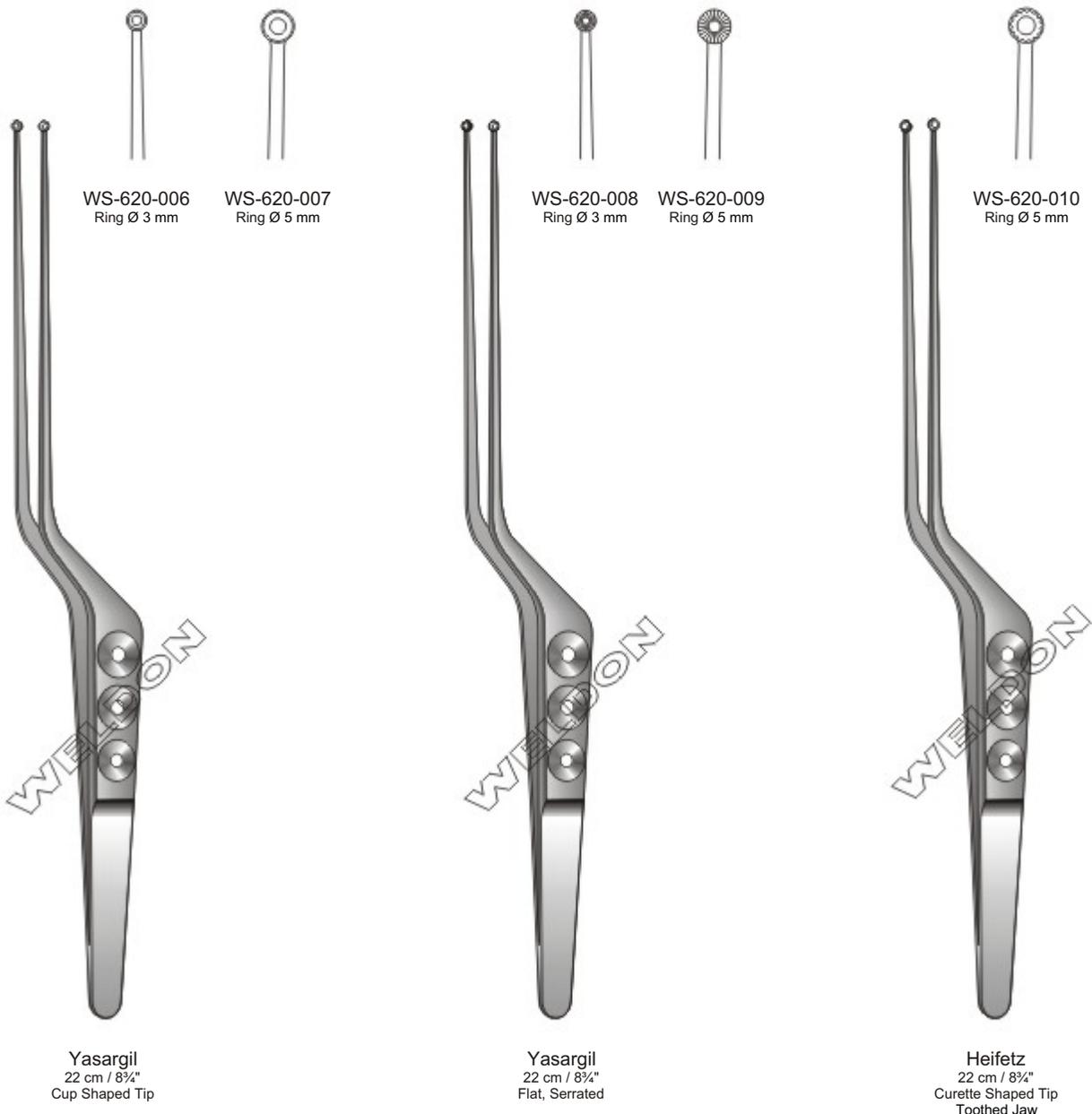
Hunt  
WS-619-003  
20 cm / 8"  
Serrated

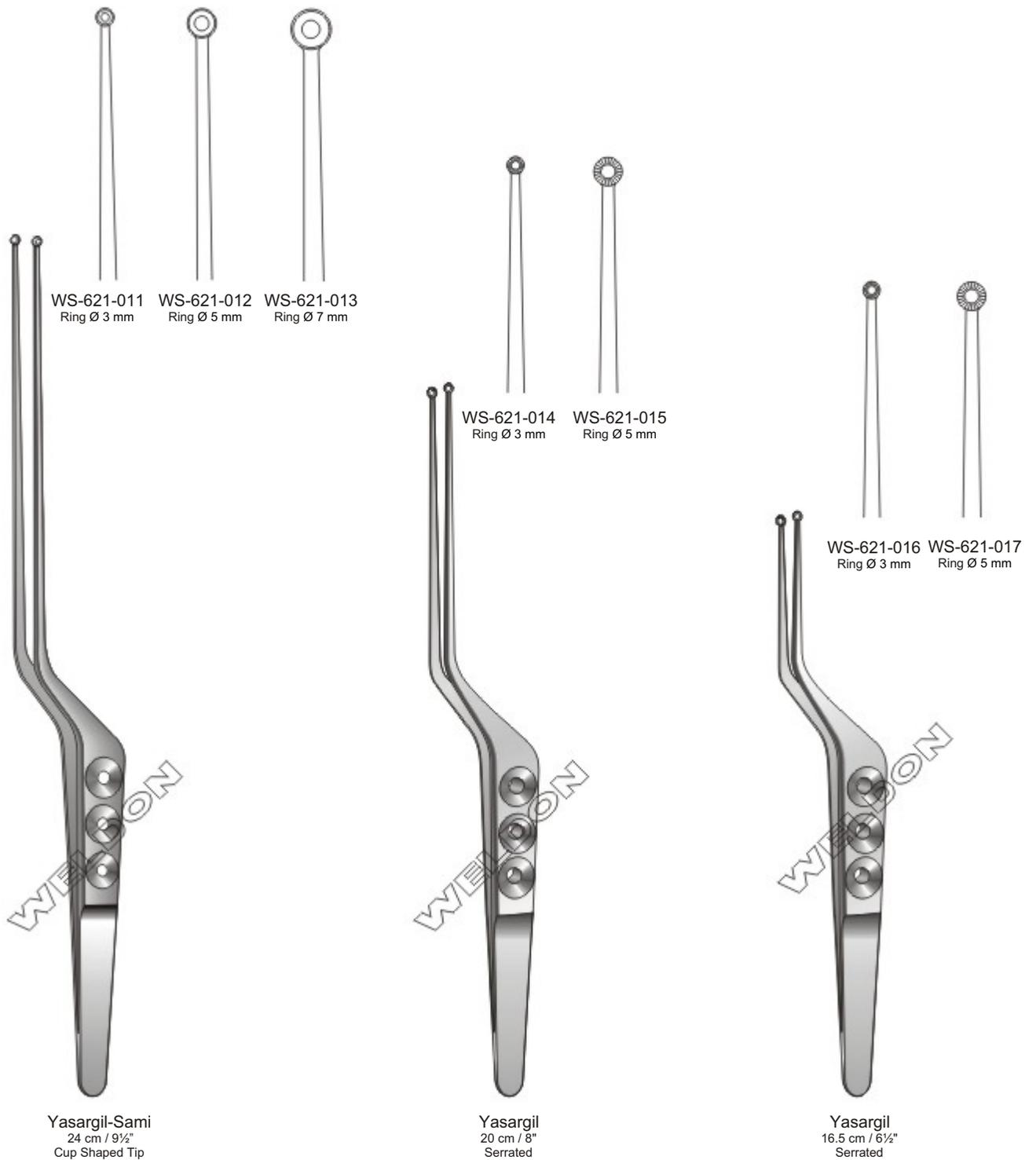


Hunt  
WS-619-004  
20 cm / 8"  
Serrated



Hunt  
WS-619-005  
20 cm / 8"  
Serrated



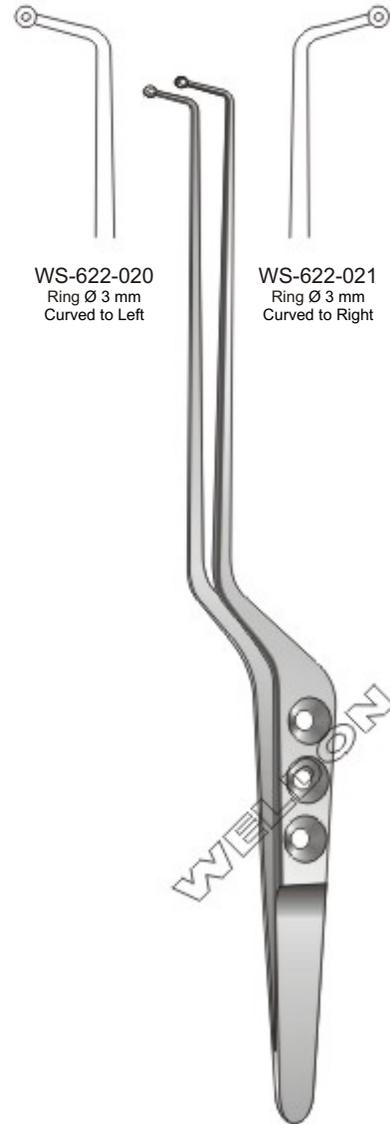




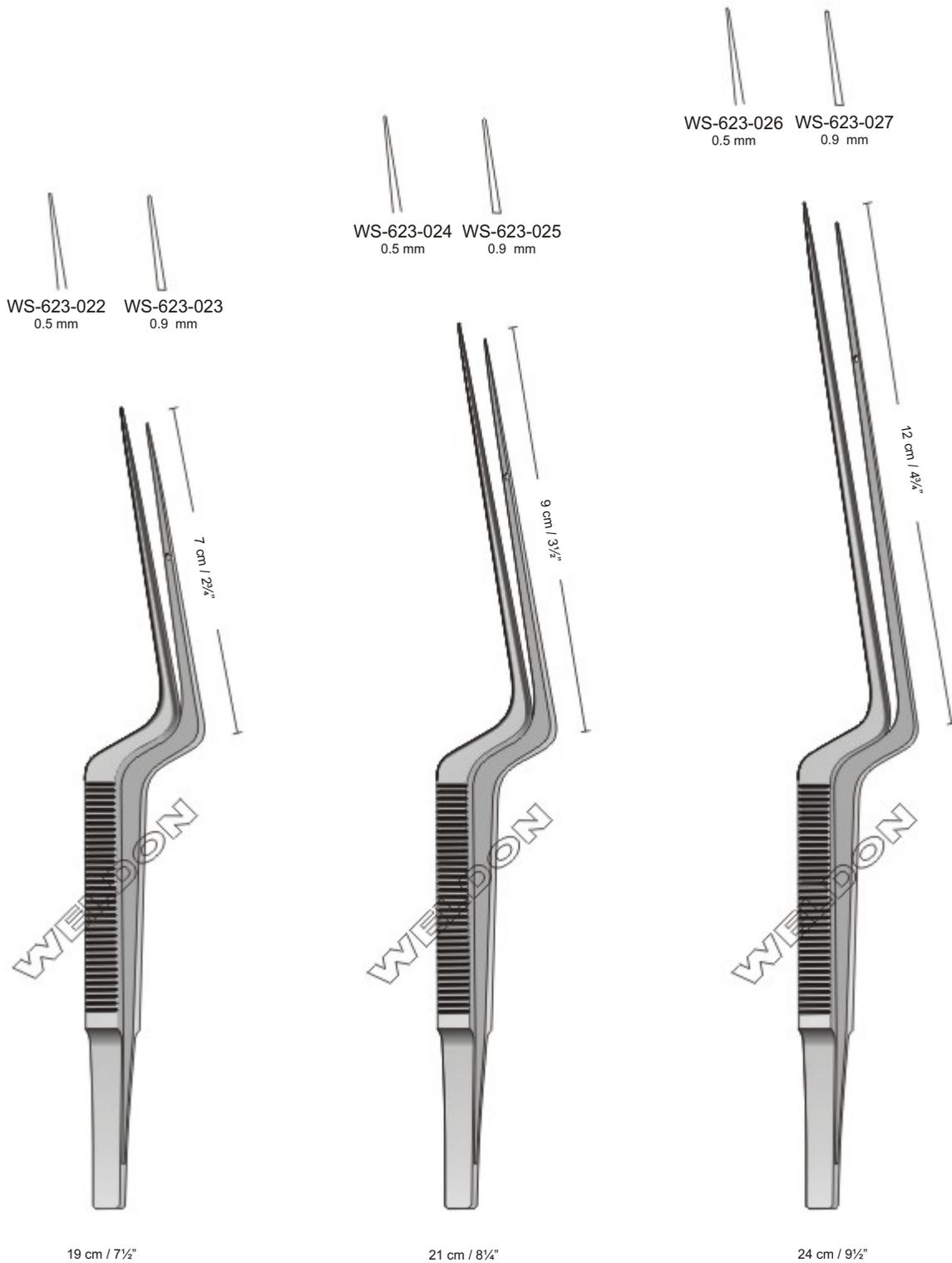
Yasargil  
WS-622-018  
22 cm / 8¾"  
Curette Shape, Serrated Tip



Yasargil  
WS-622-019  
22 cm / 8¾"  
Curette Shape, Serrated Tip



Samii  
22 cm / 8¾"  
Curette Shape





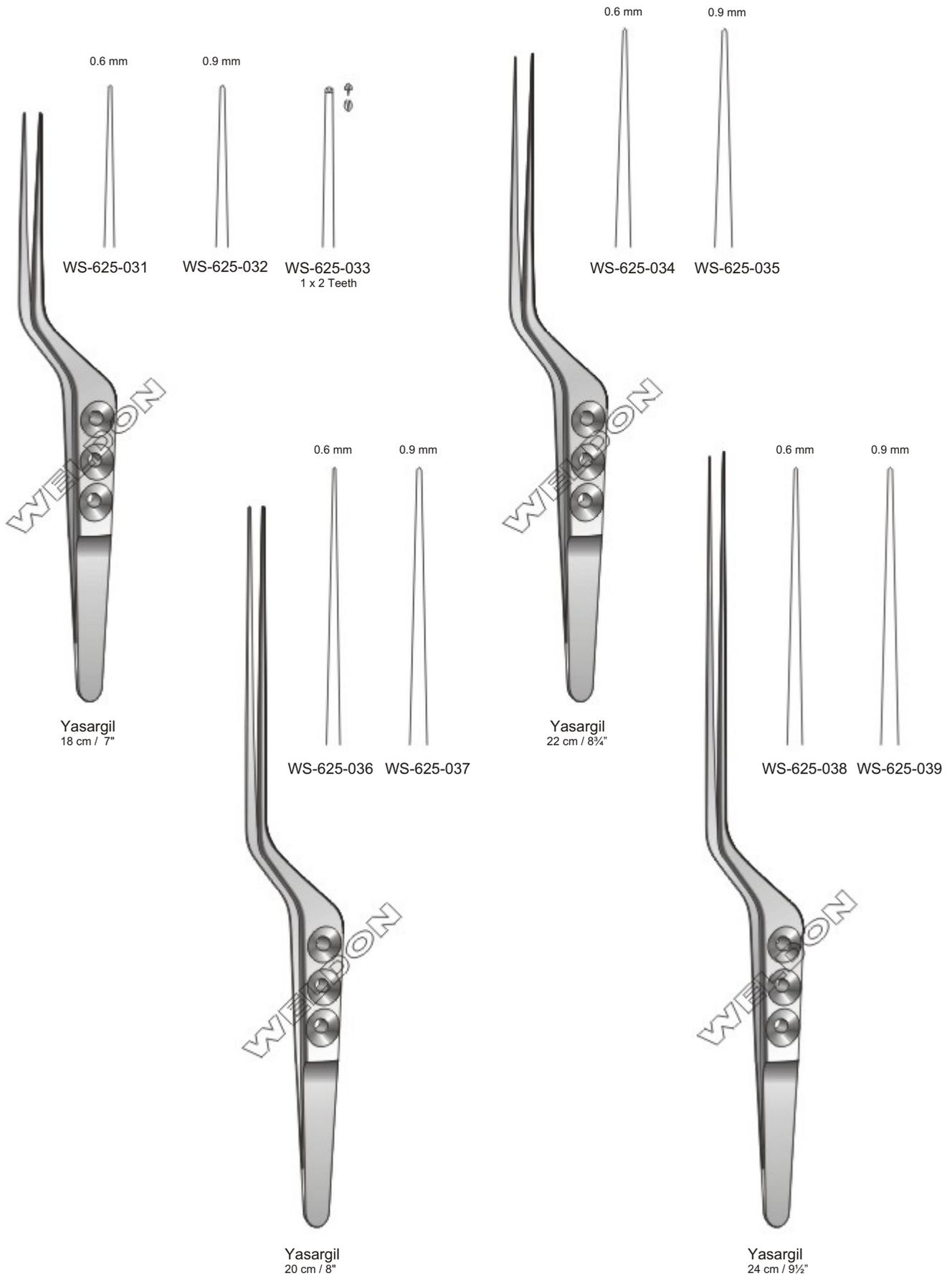
Micro  
WS-624-028  
18.5 cm / 7 1/4"



Micro  
WS-624-029  
18.5 cm / 7 1/4"



Yasargil  
WS-624-030  
18 cm / 7"



Micro Forceps with Round Grip and Stopper | Micro Pinzas Con Opretón Redonda y Tapón  
Mikro-Pinzetten mit Rundgriff und Gewicht



WS-626-040  
15 cm / 6"

WS-626-041  
18.5 cm / 7¼"

WS-626-042  
21 cm / 8¼"

WS-626-043  
23 cm / 9"

WS-626-044  
25 cm / 10"

Micro Forceps with Round Grip and Stopper | Micro Pinzas Con Opretón Redonda y Tapón  
Mikro-Pinzetten mit Rundgriff und Gewicht

						
	Straight	Curved	Debaquey Teeth	Straight	Curved	Straight
15 cm / 6"	WS-627-045	WS-627-049		WS-627-055	WS-627-060	
18.5 cm / 7 1/4"	WS-627-046	WS-627-050	WS-627-053	WS-627-056	WS-627-061	WS-627-065
21 cm / 8 1/4"	WS-627-047	WS-627-051	WS-627-054	WS-627-057	WS-627-062	
23 cm / 9"				WS-627-058	WS-627-063	
25 cm / 10"	WS-627-048	WS-627-052		WS-627-059	WS-627-064	

					
	Straight With Diamond Dust	Debaquey Teeth	Straight	Curved	Straight With Diamond Dust
18.5 cm / 7 1/4"	WS-627-066	WS-627-068	WS-627-070	WS-627-072	WS-627-074
21 cm / 8 1/4"	WS-627-067	WS-627-069	WS-627-071	WS-627-073	WS-627-075



**Micro Forceps with Flat Grip | Micro Pinzas Con Opretón Plano | Mikro-Pinzetten mit Flachgriff**

1 mm	1 mm	Ring Ø 1 mm	Ring Ø 1 mm	1 mm
				
<b>WS-628-076</b> 18 cm / 7" <b>WS-628-077</b> 25 cm / 10"	<b>WS-628-078</b> 18 cm / 7" <b>WS-628-079</b> 20 cm / 8" DeBaKey Teeth	<b>WS-628-080</b> 18 cm / 7" Straight	<b>WS-628-081</b> 18 cm / 7" Curved	<b>WS-628-082</b> 18 cm / 7" <b>WS-628-083</b> 20 cm / 8" Straight



18 cm / 7"



20 cm / 8"



25 cm / 10"

Micro Tweezers with Flat Grip Diadust | Micro Pinzas Con Opretón Plano, Diadust  
Mikro-Knüfpinzetten mit Flachgriff, Diadust



Round Grip  
WS-629-084  
20 cm / 8"



Round Grip



WS-629-085  
Ring Ø 2.5 mm  
18 cm / 7"



WS-629-086  
Ring Ø 2.5 mm  
20 cm / 8"



Kocher Micro Forceps  
18 cm / 7"



WS-629-087  
1 x 2 Teeth  
Straight



WS-629-088  
1 x 2 Teeth  
Angled

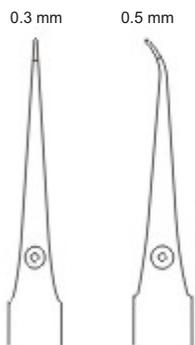
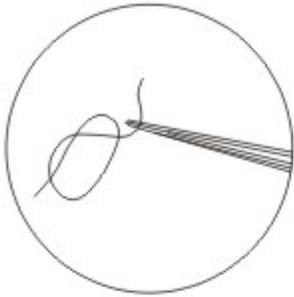


Dressing Micro Forceps  
WS-629-089  
18 cm / 7"

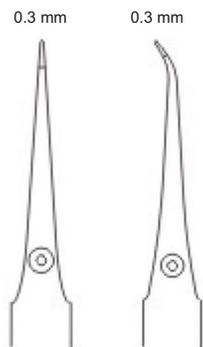


With Plat Form

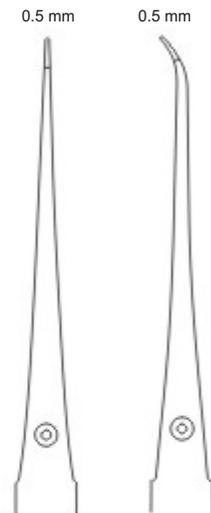
Micro Tweezers with Round Grip | Micro Pinzas Con Opretón Redondo  
Mikro-Knüfpinzetten mit Rundgriffen



WS-630-090 Straight  
WS-630-091 Curved



WS-630-092 Straight  
WS-630-093 Curved



WS-630-094 Straight  
WS-630-095 Curved



12 cm / 4 1/4"



15 cm / 6"



18 cm / 7"



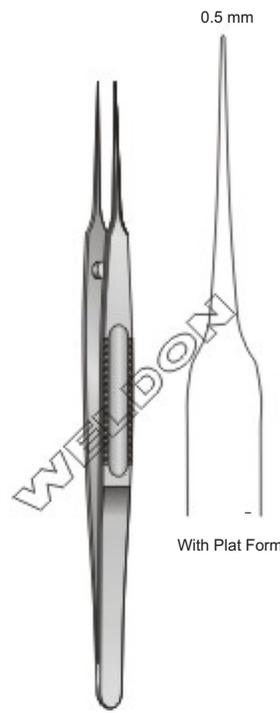
Micro Tweezers | Micro Pinzas | Mikro-Knüfpinzetten



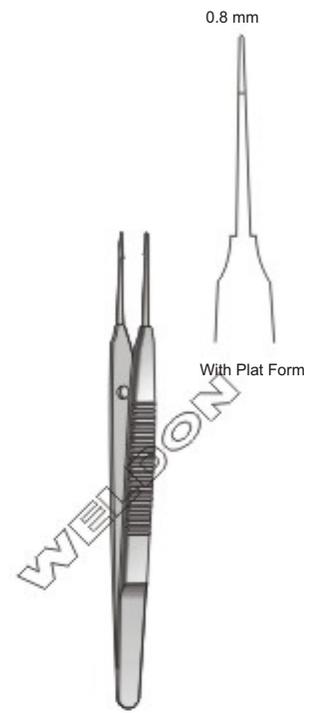
Lazar  
WS-632-100  
15.5 cm / 6"



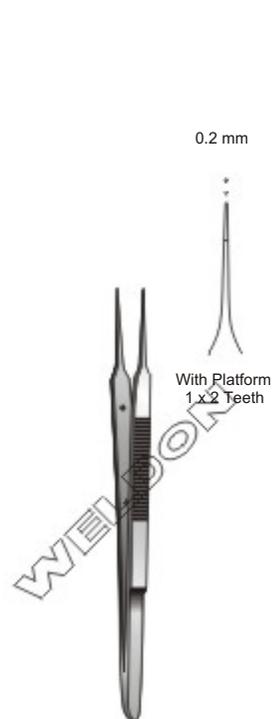
Lazar  
WS-632-101  
15.5 cm / 6"



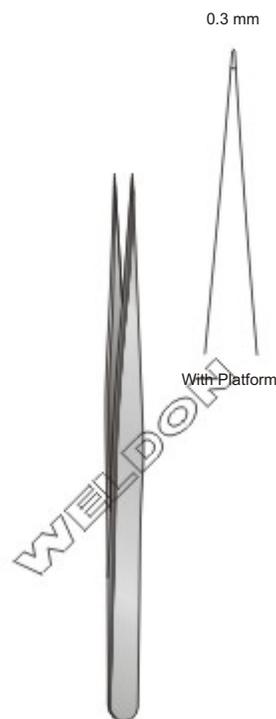
WS-632-102  
18.5 cm / 7 1/4"



Austin  
WS-632-103  
14 cm / 5 1/2"



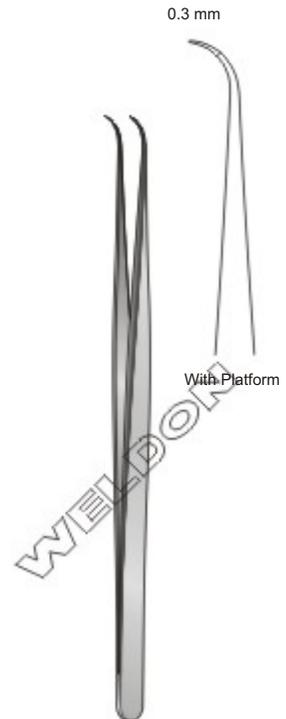
Bonner Model  
WS-632-104  
9.5 cm / 3 3/4"



WS-632-105  
12 cm / 4 3/4"

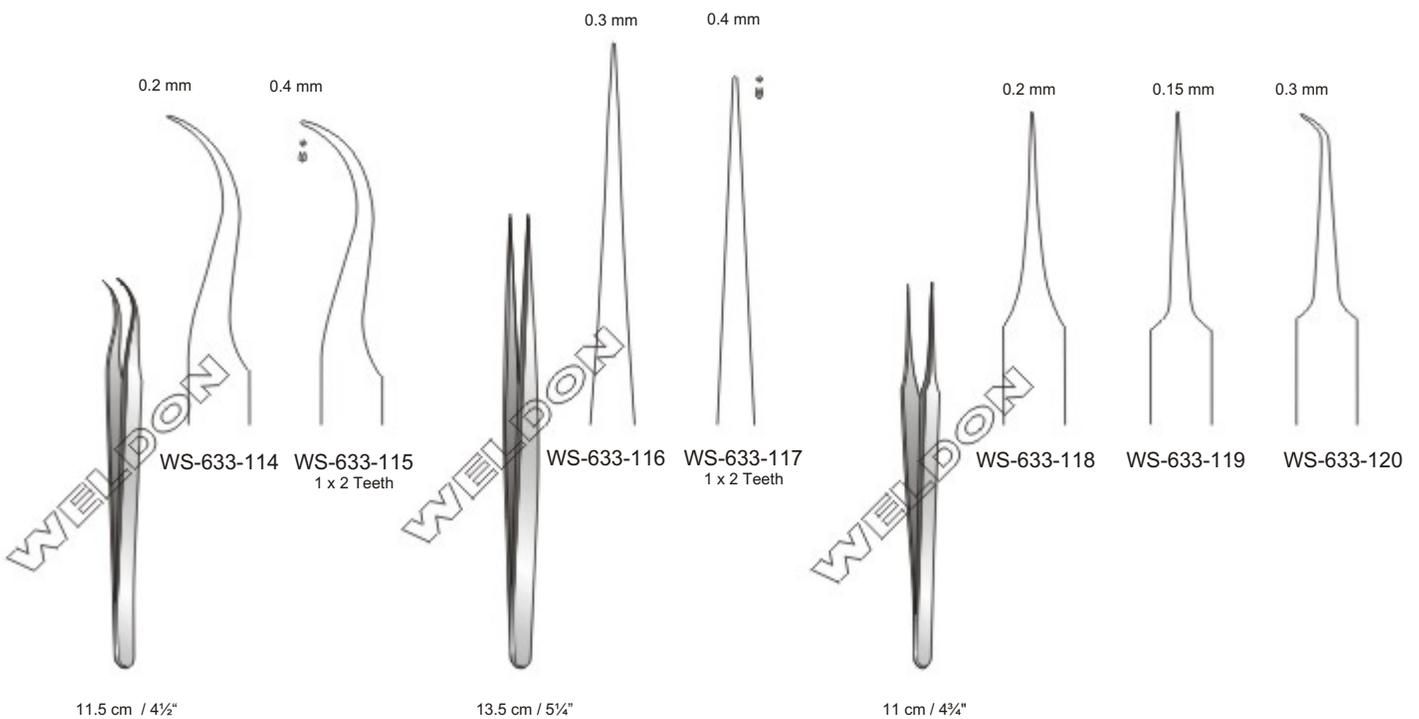
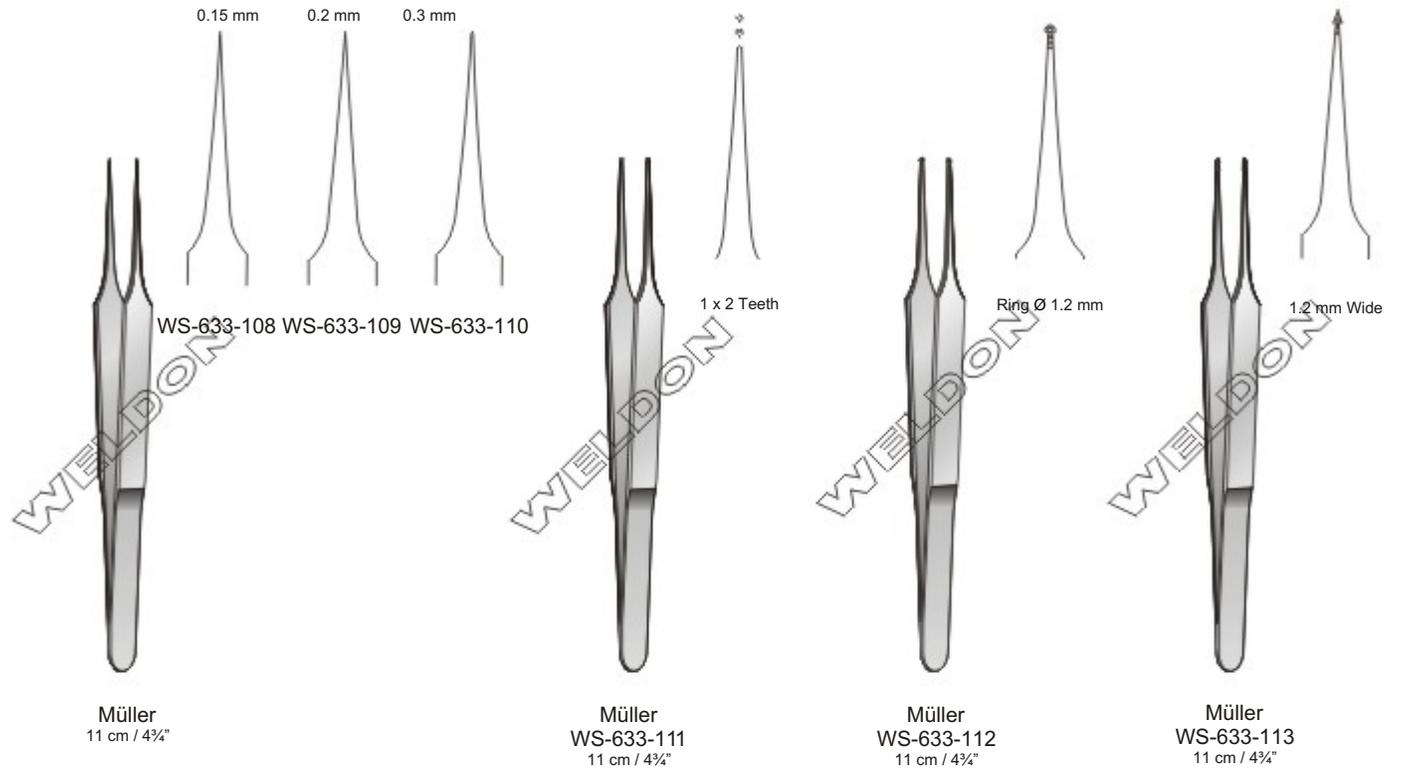


Vise  
WS-632-106  
13.5 cm / 5 1/4"

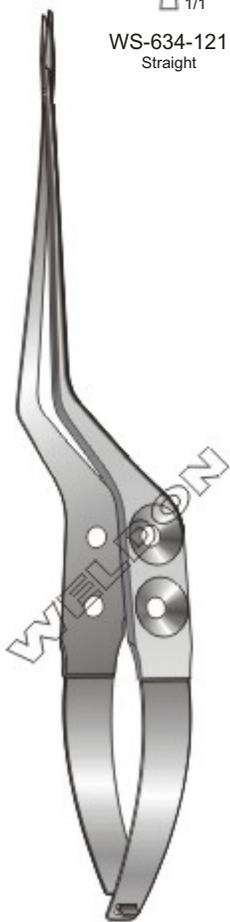
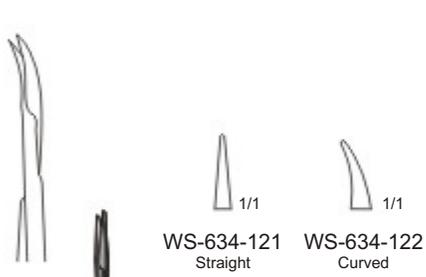


Vise  
WS-632-107  
13.5 cm / 5 1/4"

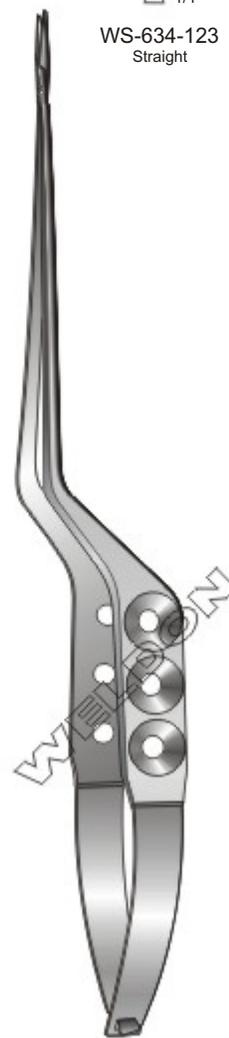
Micro Tweezers Jeweler Style | Micro Pinzas, Modelo Jewler | Mikro-Pinzetten, Uhrmacher Modelle



Micro Needle Holders | Micro Porta Agujas | Mikro-Nadelhalter



Yasargil  
20 cm / 8"



Yasargil  
22.5 cm / 9"

Micro Needle Holders, Round Grip | Micro Porta Agujas Con Apertón Redondo  
Mikro-Nadelhalter mit Rundgriffen



WS-635-125  
Straight



18.5 cm / 7¼"  
Without Lock



WS-635-126  
Curved



WS-635-127  
Straight



18.5 cm / 7¼"  
With Lock



WS-635-128  
Curved



WS-635-129  
20 cm / 8"  
Without Lock



WS-635-130  
23 cm / 9"  
With Lock



**Micro Needle Holders, Round Grip | Micro Porta Agujas Con Apertón Redondo**  
**Mikro-Nadelhalter mit Rundriffen**



WS-636-131  
Straight

WS-636-132  
Curved



**Barraquer**  
12 cm / 4 3/4"  
Without Lock




WS-636-133  
Straight

WS-636-134  
Curved



**Barraquer**  
12 cm / 4 3/4"  
With Lock




WS-636-135  
11.5 cm / 4 1/2"  
Straight

WS-636-136  
12 cm / 4 3/4"  
Curved



**Barraquer**  
Without Lock




WS-636-137  
Straight

WS-636-138  
Curved



**Reil**  
15 cm / 6"  
Without Lock



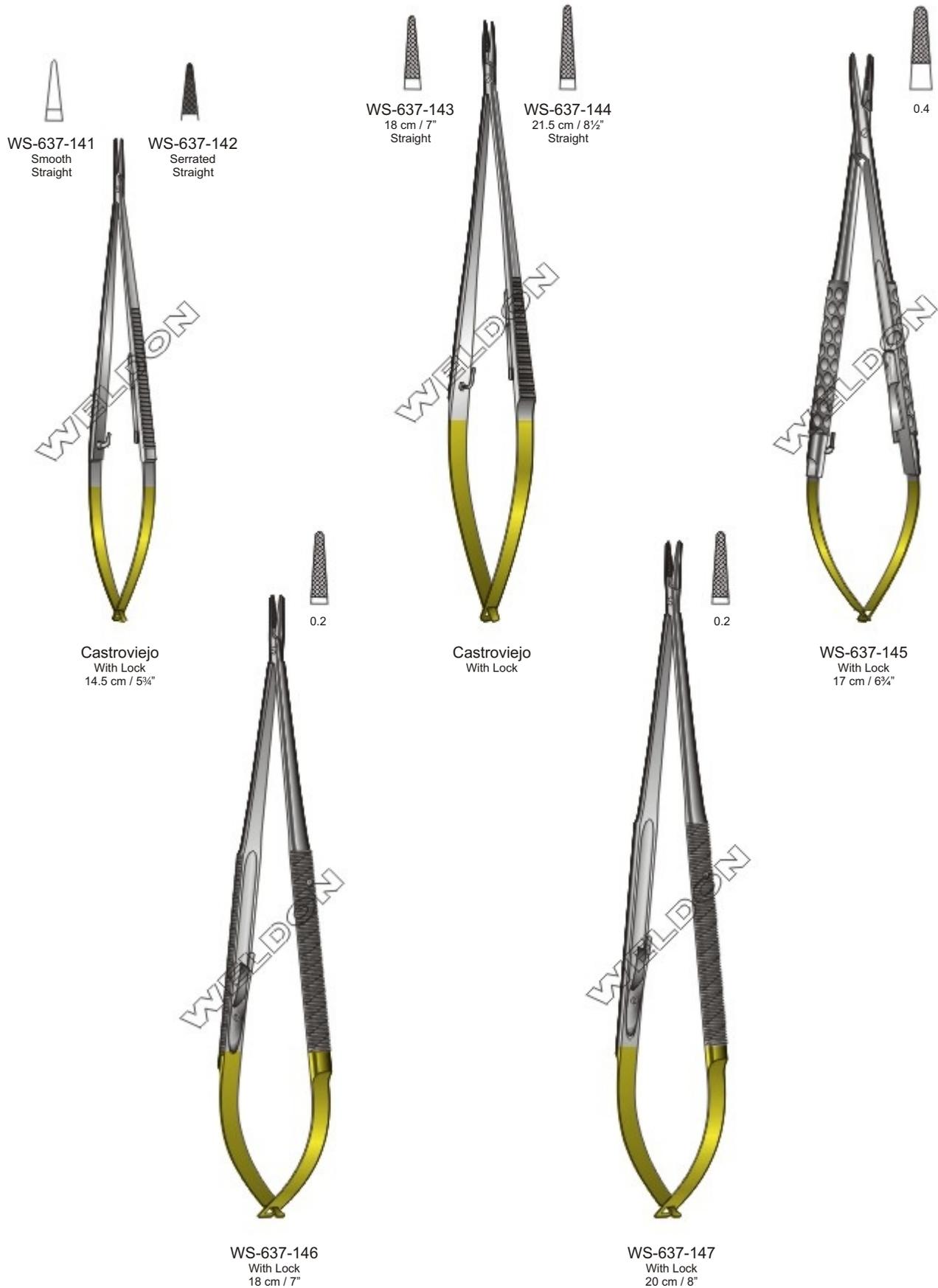

WS-636-139  
Straight

WS-636-140  
Curved



15 cm / 6"  
With Lock

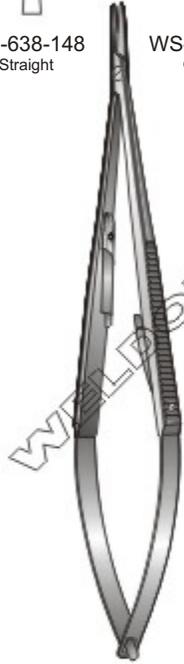
Micro Needle Holders with T/C Inserts | Micro Porta Agujas Con T/C | T/C Mikro-Nadelhalter



Micro Needle Holders, Flat Grip | Micro Porta Agujas Con Apertón Plano  
Mikro-Nadelhater mit Flachgriffen

WS-638-148  
Straight

WS-638-149  
Curved



Castroviejo  
With Lock  
14.5 cm / 5 3/4"

WS-638-153  
Straight

WS-638-154  
Curved



Without Lock  
16 cm / 6 1/4"

WS-638-150  
Straight

WS-638-151  
Straight



Jacobson  
Without Lock  
18.5 cm / 7 1/4"

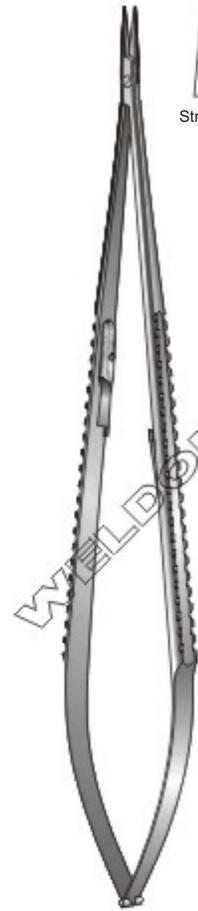
WS-638-155  
Straight

WS-638-156  
Curved

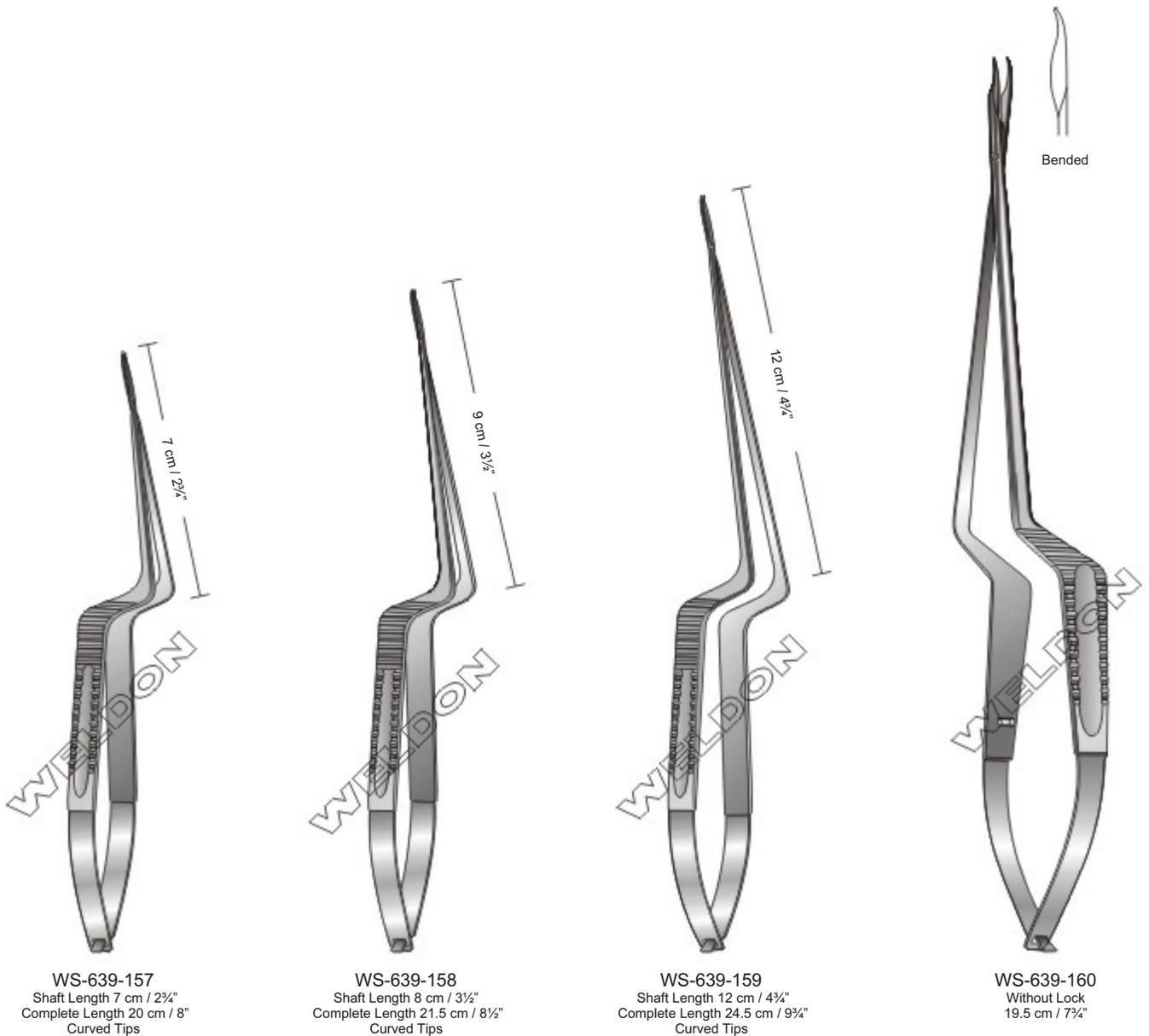


Without Lock  
18.5 cm / 7 1/4"

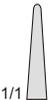
Straight

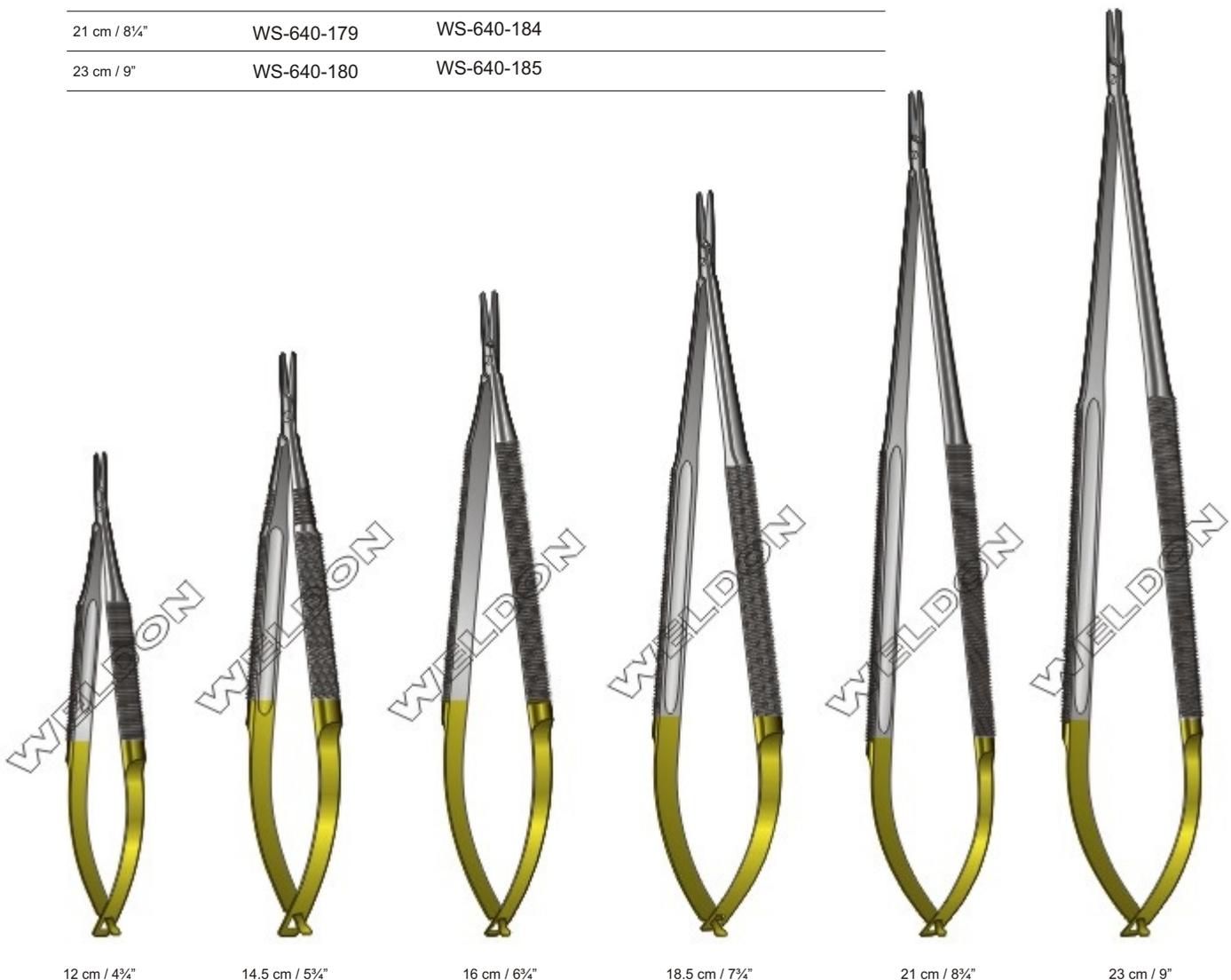


With Lock  
WS-638-152  
20 cm / 8"



**Micro Needle Holders, Diamond Dusted, Round Grip | Micro Porta Agujas, Diamond Dusted, Apertón Redondo**  
**Diadust Mikro-Nadelhalter mit Rundgriffen**

				
With Lock Hard Material				
Length	7/0 & Smaller	5/0 & Smaller	4/0 & Smaller	4/0 & Smaller
12 cm / 4 3/4"	WS-640-161			
14.5 cm / 5 3/4"		WS-640-166		
16 cm / 6 1/4"	WS-640-162	WS-640-167		
18.5 cm / 7 1/4"	WS-640-163	WS-640-168	WS-640-171	
21 cm / 8 1/4"	WS-640-164	WS-640-169	WS-640-172	WS-640-174
23 cm / 9"	WS-640-165	WS-640-170	WS-640-173	WS-640-175
Without Lock Hard Material				
12 cm / 4 3/4"	WS-640-176			
14.5 cm / 5 3/4"		WS-640-181		
16 cm / 6 1/4"	WS-640-177	WS-640-182		
18 cm / 7 1/4"	WS-640-178	WS-640-183		
21 cm / 8 1/4"	WS-640-179	WS-640-184		
23 cm / 9"	WS-640-180	WS-640-185		



Micro Needle Holders, Diamond Dusted, Round Grip | Micro Porta Agujas, Diamond Dusted, Apertón Redondo  
 Diadust Mikro-Nadelhalter mit Rundgriffen

With Lock Hard Material	
Length	2/0 & Smaller
19 cm / 7½"	WS-641-186
23 cm / 9"	WS-641-187
25 cm / 10"	WS-641-188
Without Lock Hard Material	
19 cm / 7½"	WS-641-189
23 cm / 9"	WS-641-190
25 cm / 10"	WS-641-191



19 cm / 7½"



23 cm / 9"



25 cm / 10"

**Micro Needle Holders, Diamond Dusted, Flat Grip | Micro Porta Agujas, Diamond Dusted, Apertón Plano**  
**Diadust Mikro-Nadelhalter mit Flachgriffen**

With Lock Hard Material		
Length	7/0 & Smaller	5/0 & Smaller
14.5 cm / 5 3/4"	WS-642-192	WS-642-197
17 cm / 6 3/4"	WS-642-193	WS-642-198
18 cm / 7 1/4"	WS-642-194	WS-642-199
21 cm / 8 1/4"	WS-642-195	WS-642-200
23 cm / 9"	WS-642-196	WS-642-201
Without Lock Hard Material		
14.5 cm / 5 3/4"	WS-642-202	WS-642-207
17 cm / 6 3/4"	WS-642-203	WS-642-208
18 cm / 7 1/4"	WS-642-204	WS-642-209
21 cm / 8 1/4"	WS-642-205	WS-642-210
23 cm / 9"	WS-642-206	WS-642-211



Micro Needle Holders, Flat Grip | Micro Porta Agujas, Apertón Plano  
Diadust Mikro-Nadelhalter mit Flachgriffen

With lock  
Hard Material



Length	5/0 & Smaller
18.5 cm / 7 1/4"	WS-643-212
21 cm / 8 1/4"	WS-643-213
23 cm / 9"	WS-643-214
Without lock Hard Material	
18.5 cm / 7 1/4"	WS-643-215
21 cm / 8 1/4"	WS-643-216
23 cm / 9"	WS-643-217



18.5 / 7 1/4"



21 cm / 8 1/4"



23 cm / 9"

Micro Needle Holders, Flat Grip | Micro Porta Agujas, Apertón Plano  
Diadust Mikro-Nadelhalter mit Flachgriffen



Glasser  
WS-644-218  
Hard Materials  
5/0 And Smaller  
18 cm / 7"



Glasser  
WS-644-219  
Hard Materials  
5/0 And Smaller  
12.5 cm / 5"



WS-644-220

WS-644-221



18 cm / 7"  
With Lock



WS-644-222  
With Lock  
Hard Materials  
5/0 And Smaller  
21 cm / 8 1/4"



WS-644-223  
Without Lock  
Hard Materials  
5/0 And Smaller  
21 cm / 8 1/4"



WS-645-003  
Dissector  
Semi Sharp  
Curved

WS-645-004  
Dissector  
Semi Sharp  
Curved

WS-645-005  
Dissector  
Semi Sharp  
Curved



Yasargil  
WS-645-001  
20 cm / 8"



Yasargil  
WS-645-002  
22 cm / 8¾"



Al Mefty  
20 cm / 8"



Al Mefty  
WS-645-006  
21.5 cm / 8½"



WS-646-007  
1/1

WS-646-008  
1/1

WS-646-009  
1/1

WS-646-010  
1/1

Caspar  
24.5 cm / 9 3/4"

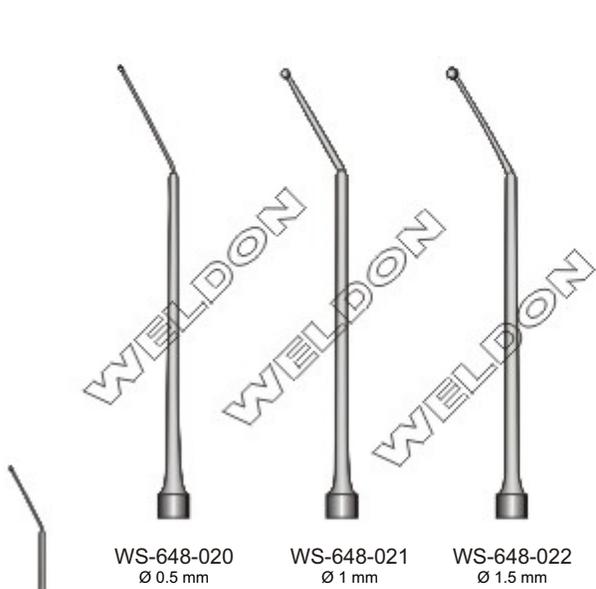
Caspar  
WS-646-011  
21.5 cm / 8 1/2"



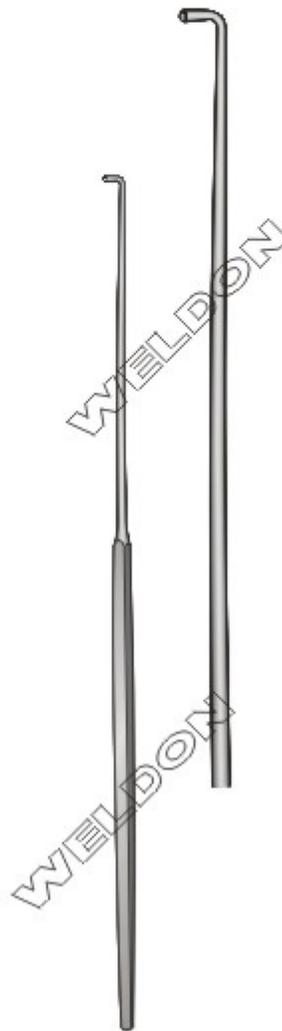
Yasargil  
18.5 cm / 7 1/4"



Krayenbühl  
18.5 cm / 7 1/4"



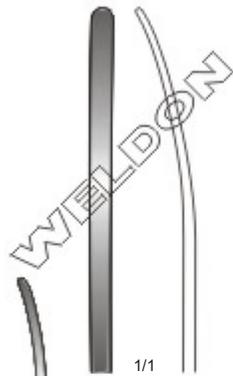
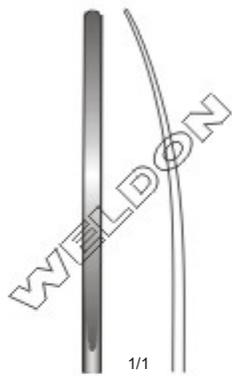
Vascular Dilator  
12.5 cm / 5"



Cushing  
WS-648-023  
28 cm / 11"



Jacobson  
WS-648-024  
8.5 cm / 7 1/4"  
Button Probe Ended  
Angled



WS-649-025  
18.5 / 7¼"



WS-649-026  
21.5 cm / 8½"



Caspar  
WS-649-027  
23 cm / 9"



Caspar  
WS-649-028  
23 cm / 9"



Caspar  
WS-649-029  
23 cm / 9"



Caspar  
WS-650-030  
Micro Dissector  
20 cm / 8"



Caspar  
WS-650-031  
Micro Dissector  
21 cm / 8 1/4"



Caspar  
WS-650-032  
Micro Dissector  
21 cm / 8 1/4"



Caspar  
WS-650-033  
Ligature Adjuster  
23 cm / 9"



WS-651-034  
Micro Raspatory  
Angled



WS-651-035  
Micro Dissector  
Angled



WS-651-036  
Micro Dissector  
Angled



WS-651-037  
Micro Raspatory  
Semi Curved



WS-651-038  
Micro Raspatory  
Curved



Yasargil  
18.5 cm / 7¼"



WS-652-039  
Micro Raspatory  
Semi Curved

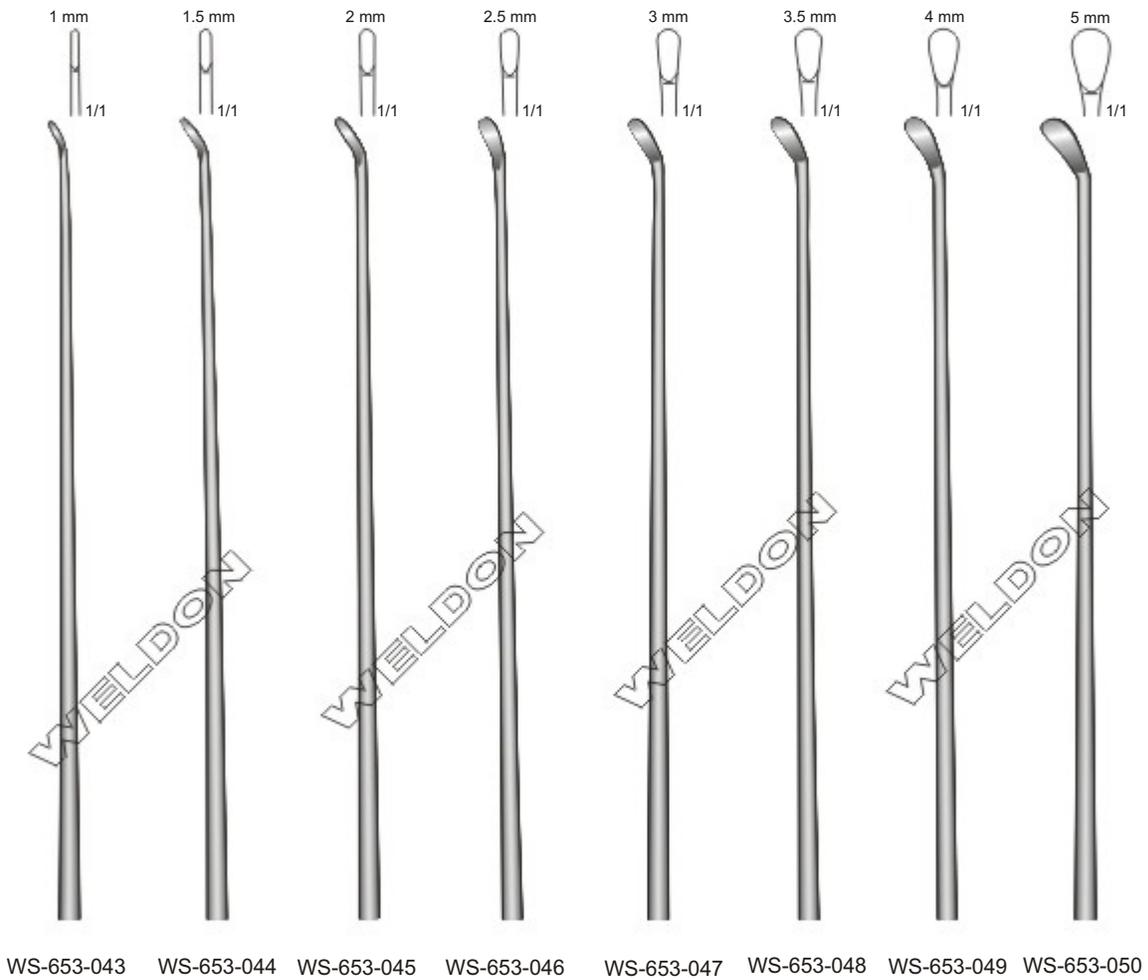
WS-652-040  
Micro Raspatory  
Semi Curved

WS-652-041  
Micro Raspatory  
Upward

WS-652-042  
Micro Curette  
Sharp

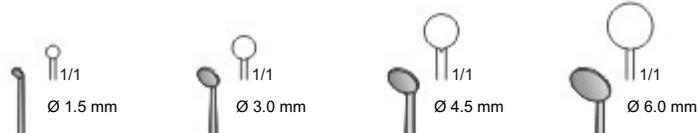


Yasargil  
18.5 cm / 7 1/4"



Samii  
23 cm / 9"

Tumor Knives | Cuchillos Para Tumor | Tumormesser



WS-654-051



WS-654-052



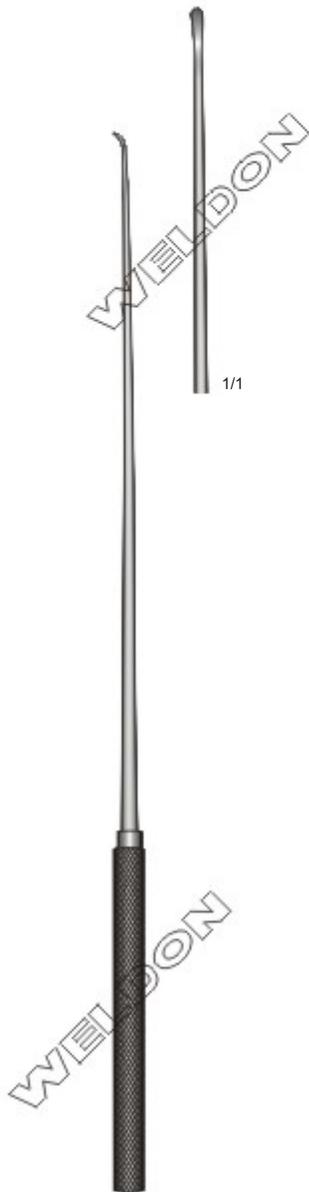
WS-654-053



WS-654-054



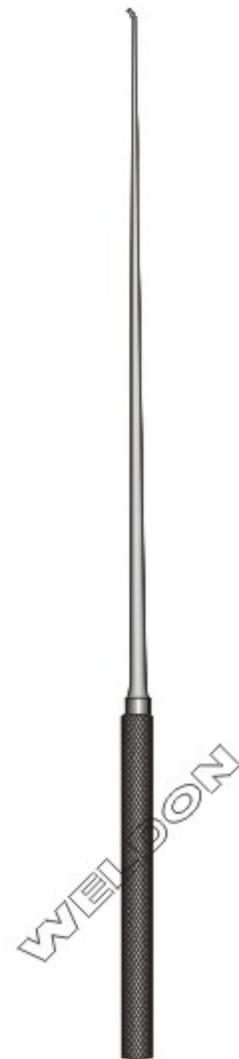
Samii  
WS-654-055  
Tumor Fabric Dispenser  
23 cm / 9"



Oppel  
WS-655-056  
Micro Dissector  
23 cm / 9"  
Flexible, Sharp



Oppel  
WS-655-057  
Button Ended Probe  
23 cm / 9"  
Button Ø 2 mm, Angled 90°  
Flexible, Blunt



Oppel  
WS-655-058  
Button Ended Probe  
23 cm / 9"  
Button Ø 2 mm, Angled 45°  
Flexible, Blunt





WS-657-064  
Micro Hook  
23 cm / 9"  
Semi Sharp



WS-657-065  
Micro Hook  
23 cm / 9"  
Blunt



WS-657-066  
Micro Dissector  
23 cm / 9"  
Straight



WS-657-067  
Micro Dissector  
23 cm / 9"  
Straight



WS-658-068  
Micro Curette  
Sharp  
23 cm / 9"



WS-658-069  
Micro Curette  
Sharp, Angled  
23 cm / 9"

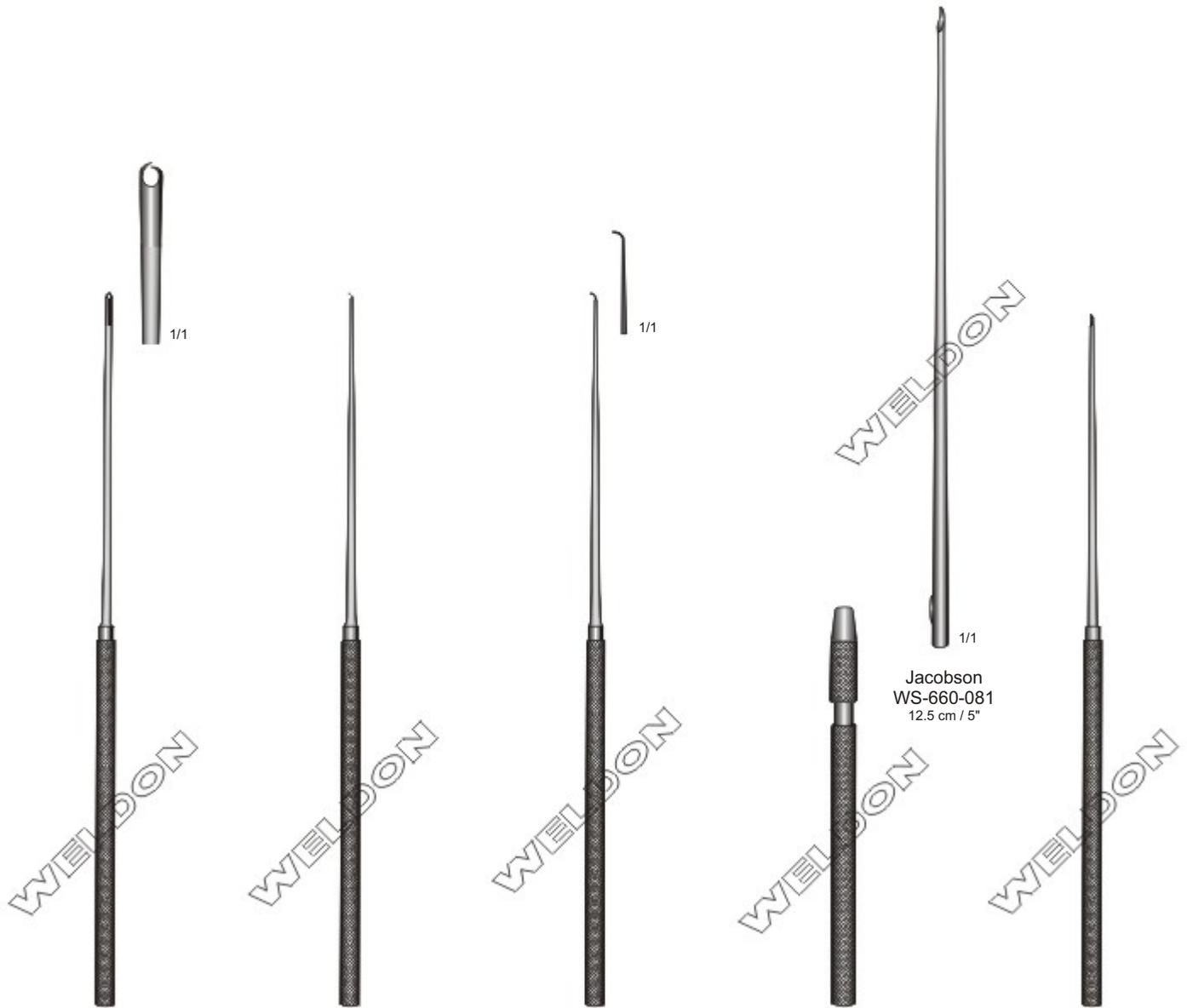


WS-658-070  
Micro Raspatory  
With Platform  
23 cm / 9"



18.5 cm / 7 1/4"

Sharp Curettes, Micro Vascular Knives | Curetas Cortantes, Micro Cuchillos Vasculares  
 Gewebekrallen, Scharfe Haken, Mikro-Gefäßmesser



WS-660-077  
Holder  
18.5 cm / 7¼"

Fisch  
WS-660-078  
Curette  
Sharp, Angled 90°  
18.5 cm / 7¼"

WS-660-079  
Curette  
Sharp, Angled 90°  
18.5 cm / 7¼"

WS-660-080  
Vascular Knife  
Replaceable Grip For Splinter  
10.5 cm / 4¼"

Jacobson  
WS-660-081  
12.5 cm / 5"

WS-660-082  
Vascular Knife  
18.5 cm / 7¼"