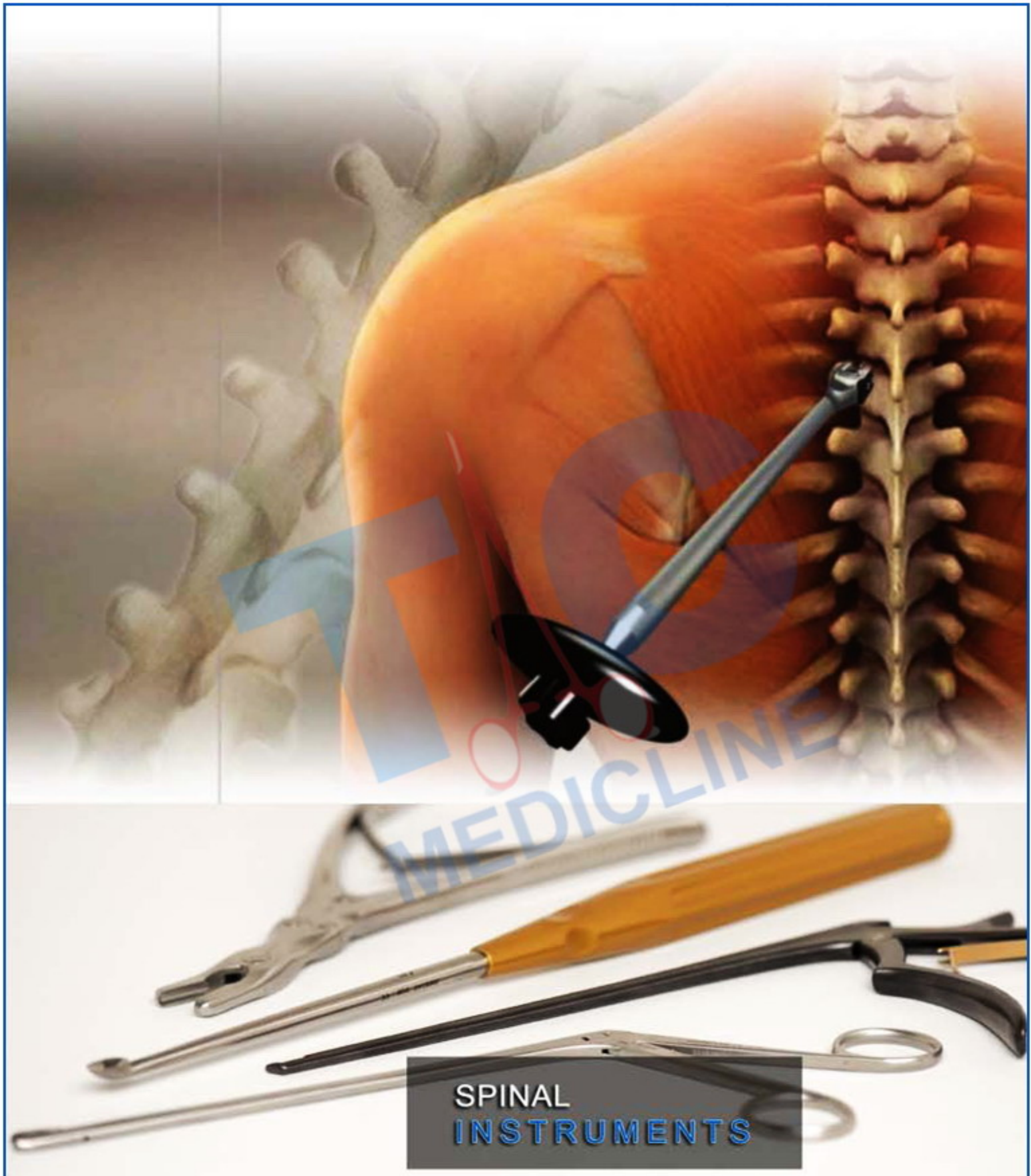


TC MEDICLINE SPINAL SURGERY INSTRUMENTS



**SPINAL
INSTRUMENTS**

MANUFACTURER & EXPORTER

Kerrison Laminectomy Punch

90° UPWARD Jaw angle

90° UPWARD JAW		Bite Size
18cm/7" Shaft	20cm/8" Shaft	
TC20-001	TC20-007	1mm
TC20-002	TC20-008	2mm
TC20-003	TC20-009	3mm
TC20-004	TC20-010	4mm
TC20-005	TC20-011	5mm
TC20-006	TC20-012	6mm



90° UPWARD

Kerrison Laminectomy Punch

90° DOWNWARD Jaw angle

90° DOWNWARD JAW		Bite Size
18cm/7" Shaft	20cm/8" Shaft	
TC20-013	TC20-019	1mm
TC20-014	TC20-020	2mm
TC20-015	TC20-021	3mm
TC20-016	TC20-022	4mm
TC20-017	TC20-023	5mm
TC20-018	TC20-024	6mm



90° DOWNWARD

'Black Line' Kerrison Laminectomy Punch

- 40° UPWARD Jaw angle
- With special Titanium coating on surface
- Bone ejector

40° UPWARD JAW			
18cm/7" Shaft	20cm/8" Shaft	23cm/9" Shaft	Bite Size
TC20-025	TC20-031	TC20-037	1mm
TC20-026	TC20-032	TC20-038	2mm
TC20-027	TC20-033	TC20-039	3mm
TC20-028	TC20-034	TC20-040	4mm
TC20-029	TC20-035	TC20-041	5mm
TC20-030	TC20-036	TC20-042	6mm



40° UPWARD

Kerrison Laminectomy Punch with Bone Ejector

- 40° UPWARD Jaw angle
- Bone ejector

40° UPWARD JAW			
18cm/7" Shaft	20cm/8" Shaft	23cm/9" Shaft	Bite Size
TC 20-043	TC20-049	TC 20-055	1mm
TC 20-044	TC20-050	TC 20-056	2mm
TC 20-045	TC20-051	TC 20-057	3mm
TC 20-046	TC20-052	TC 20-058	4mm
TC 20-047	TC20-053	TC 20-059	5mm
TC 20-048	TC20-054	TC 20-060	6mm



40° UPWARD

Thin Footplate Kerrison Laminectomy Punch

- 40° UPWARD Jaw angle
- Thin footplate for Cervical surgery

18cm/7" Shaft	20cm/8" Shaft	Bite Size
TC20-061	TC 20-067	1mm
TC20-062	TC 20-068	2mm
TC20-063	TC 20-069	3mm
TC20-064	TC 20-070	4mm
TC20-065	TC 20-071	5mm
TC20-066	TC 20-072	6mm



A reduced footplate thickness useful for a restricted operating area

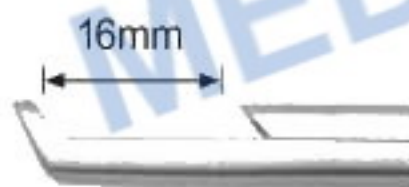
40° UPWARD

Wide Opening Kerrison Laminectomy Punch

- 40° UPWARD Jaw angle
- 16mm Wide opening jaw

20cm/8" Shaft	Bite Size
TC20-073	2mm
TC20-074	3mm
TC20-075	4mm
TC20-076	5mm
TC20-077	6mm

Wide opening jaws allowing the surgeon to envelope more bone



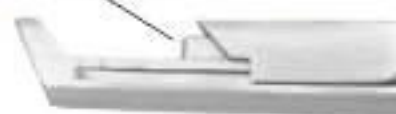
40° UPWARD



'Clean Wave' Laminectomy Punch
40° UPWARD Jaw angle
Open shaft for easier decontamination
Bone ejector

18cm/7" Shaft	20cm/8" Shaft	Bite Size
TC20-078	TC20-084	1mm
TC20-079	TC20-085	2mm
TC20-080	TC20-086	3mm
TC20-081	TC20-087	4mm
TC20-082	TC20-088	5mm
TC20-083	TC20-089	6mm

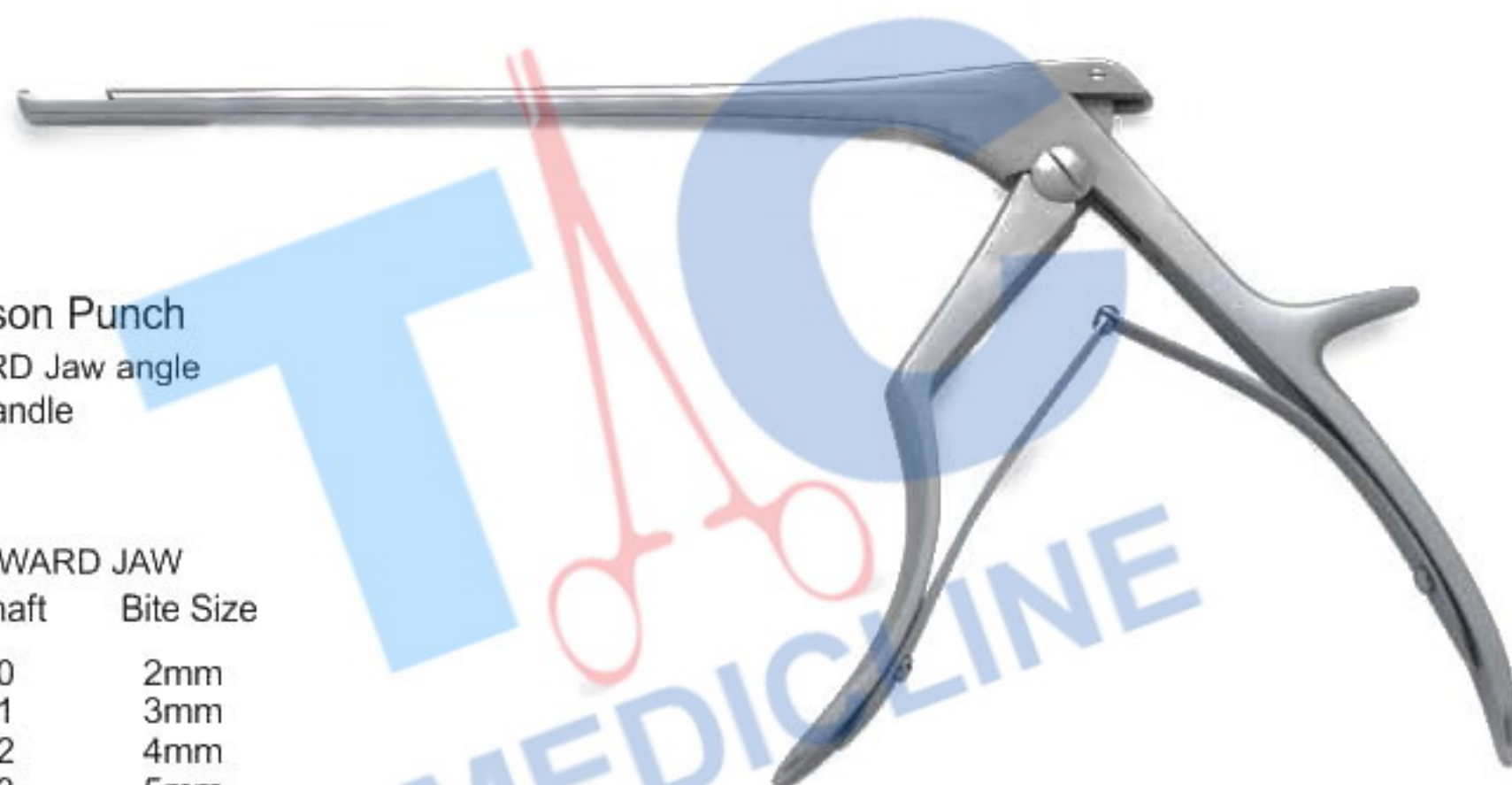
Bone ejector



40° UPWARD



Open design of shaft allows cleaning of shaft

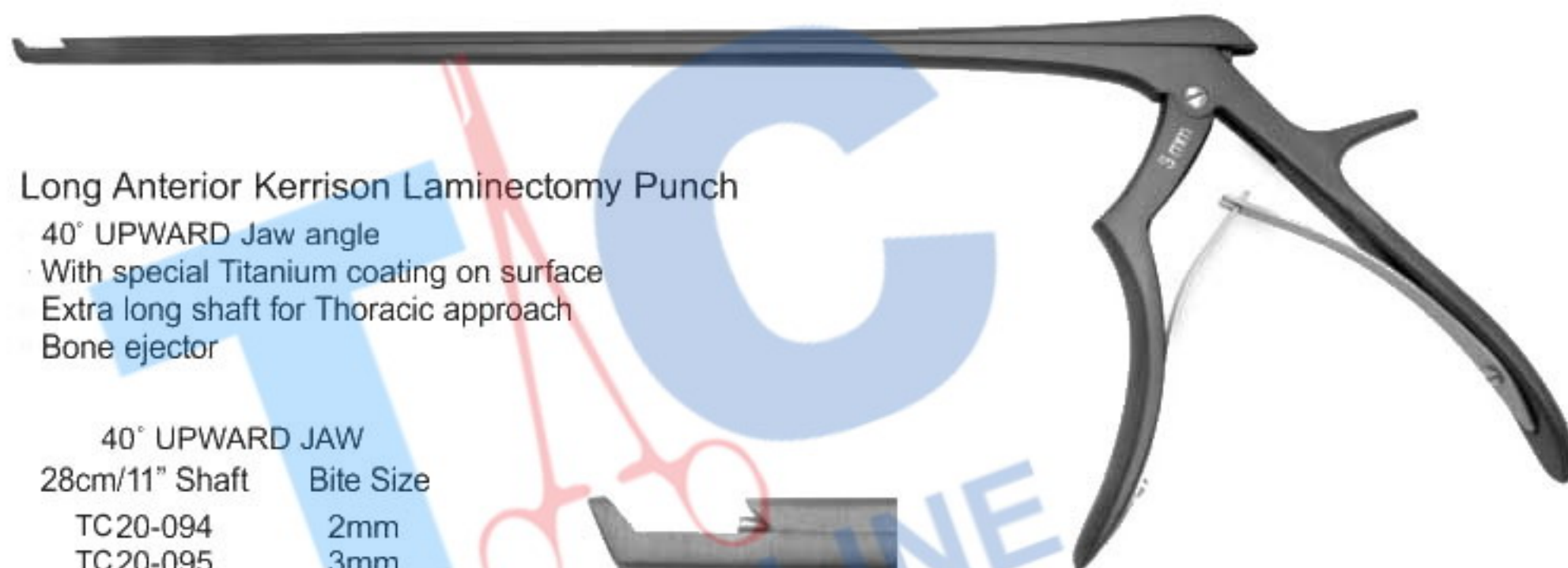


Love Kerrison Punch
40° UPWARD Jaw angle
Oversize handle

20cm/8" Shaft	Bite Size
TC20-090	2mm
TC20-091	3mm
TC20-092	4mm
TC20-093	5mm



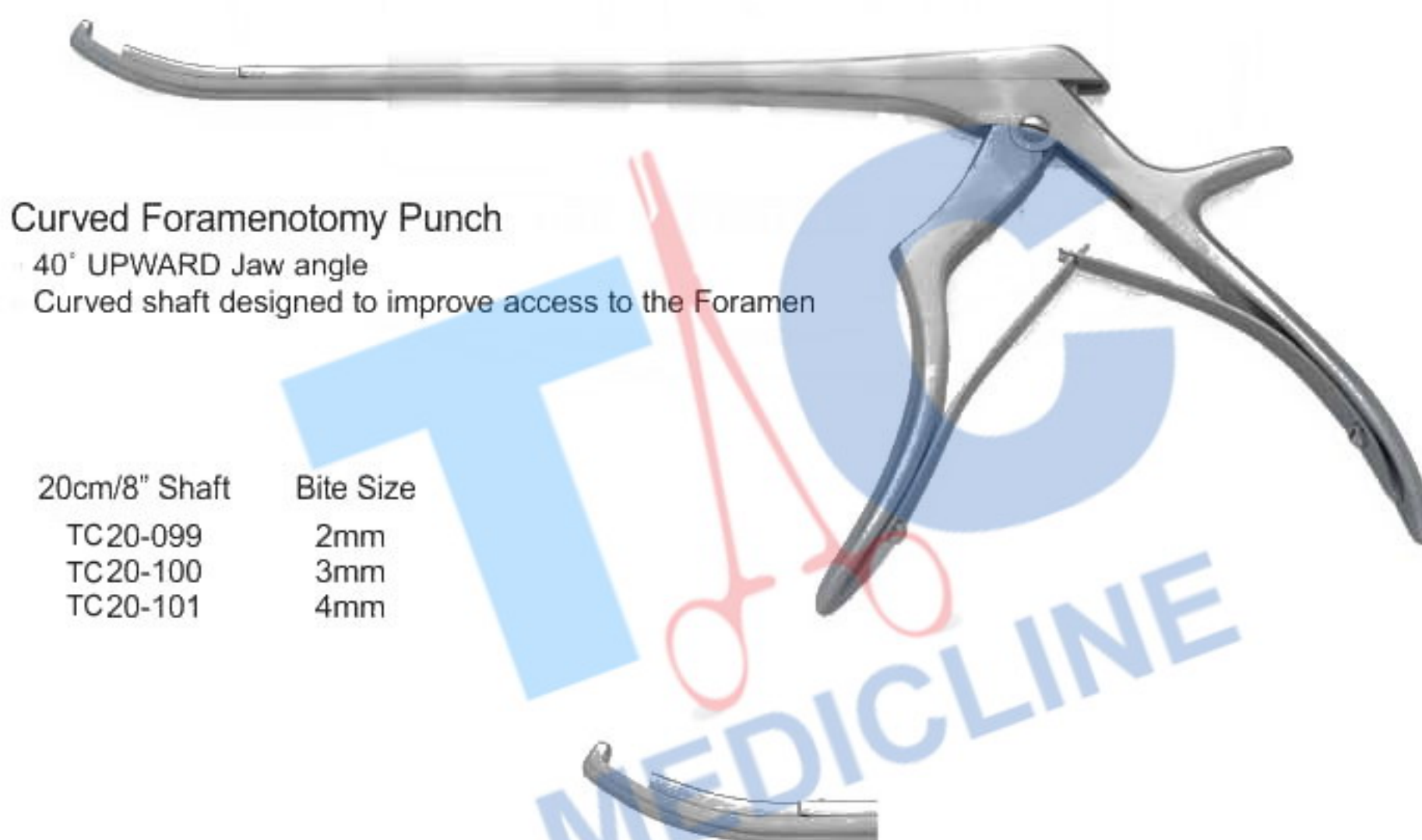
40° UPWARD



Long Anterior Kerrison Laminectomy Punch

- 40° UPWARD Jaw angle
- With special Titanium coating on surface
- Extra long shaft for Thoracic approach
- Bone ejector

40° UPWARD JAW	
28cm/11" Shaft	Bite Size
TC20-094	2mm
TC20-095	3mm
TC20-096	4mm
TC20-097	5mm
TC20-098	6mm



Curved Foramenotomy Punch

- 40° UPWARD Jaw angle
- Curved shaft designed to improve access to the Foramen

20cm/8" Shaft	Bite Size
TC20-099	2mm
TC20-100	3mm
TC20-101	4mm

Ferris-Smith Kerrison Laminectomy Punch

- 40° UPWARD Jaw angle
- Modified ring handle

40° UPWARD JAW		Bite Size
18cm/7" Shaft	20cm/8" Shaft	
TC20-102	20-107	2mm
TC20-103	20-108	3mm
TC20-104	20-109	4mm
TC20-105	20-110	5mm
TC20-106	20-111	6mm



40° UPWARD

Intervertebral Disc Rongeur

STRAIGHT JAW

15cm/6" Shaft	18cm/7" Shaft	20cm/8" Shaft	Bite Size
TC20-112	TC20-119	TC20-126	1.5mm
TC20-113	TC20-120	TC20-127	2mm
TC20-114	TC20-121	TC20-128	3mm
TC20-115	TC20-122	TC20-129	4mm
TC20-116	TC20-123	TC20-130	5mm
TC20-117	TC20-124	TC20-131	6mm
TC20-118	TC20-125	TC20-132	7mm



Intervertebral Disc Rongeur

40° ANGLED UPWARD JAW

15cm/6" Shaft	18cm/7" Shaft	20cm/8" Shaft	Bite Size
TC20-133	TC20-140	TC20-147	1.5mm
TC20-134	TC20-141	TC20-148	2mm
TC20-135	TC20-142	TC20-149	3mm
TC20-136	TC20-143	TC20-150	4mm
TC20-137	TC20-144	TC20-151	5mm
TC20-138	TC20-145	TC20-152	6mm
TC20-139	TC20-146	TC20-153	7mm



Intervertebral Disc Rongeur

40° ANGLED DOWNWARD JAW

15cm/6" Shaft	18cm/7" Shaft	20cm/8" Shaft	Bite Size
TC20-154	TC20-161	TC20-168	1.5mm
TC20-155	TC20-162	TC20-169	2mm
TC20-156	TC20-163	TC20-170	3mm
TC20-157	TC20-164	TC20-171	4mm
TC20-158	TC20-165	TC20-172	5mm
TC20-159	TC20-166	TC20-173	6mm
TC20-160	TC20-167	TC20-174	7mm

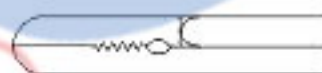


Caspar Toothed Disc Rongeur

• Serrated and fenestrated jaws

STRAIGHT JAW

16cm/6 1/4" Shaft	18cm/7" Shaft	Bite Size
TC20-175	TC20-179	2mm
TC20-176	TC20-180	3mm
TC20-177	TC20-181	4mm
TC20-178	TC20-182	5mm



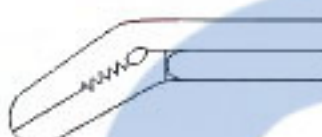
UPWARD JAW

16cm/6 1/4" Shaft	18cm/7" Shaft	Bite Size
TC20-183	TC20-187	2mm
TC20-184	TC20-188	3mm
TC20-185	TC20-189	4mm
TC20-186	TC20-190	5mm



DOWNWARD JAW

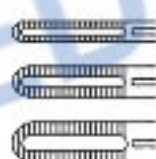
16cm/6 1/4" Shaft	18cm/7" Shaft	Bite Size
TC20-191	TC20-195	2mm
TC20-192	TC20-196	3mm
TC20-193	TC20-197	4mm
TC20-194	TC20-198	5mm



Schlesinger Toothed Rongeur

STRAIGHT JAW

15cm/6" Shaft	18cm/7" Shaft	Bite Size
TC20-199	TC20-202	2mm
TC20-200	TC20-203	3mm
TC20-201	TC20-204	4mm



Williams Discectomy Rongeur

14cm/5 1/2" Shaft
TC20-205

Longer pattern
23cm/9" Shaft
TC20-206



Single toothed cup 1mm bite

'Pea Pod' Disc Rongeur
Short 10mm length jaw

15cm/6"	Bite Size
TC20-207	2mm
TC20-208	3mm
TC20-209	4mm



13cm/5 1/4"	Bite Size
TC20-210	2mm

Extra fine pattern 5mm length jaws

Beck Disc Rongeur

13cm/5 1/4" Shaft
2mm bite size
TC20-211

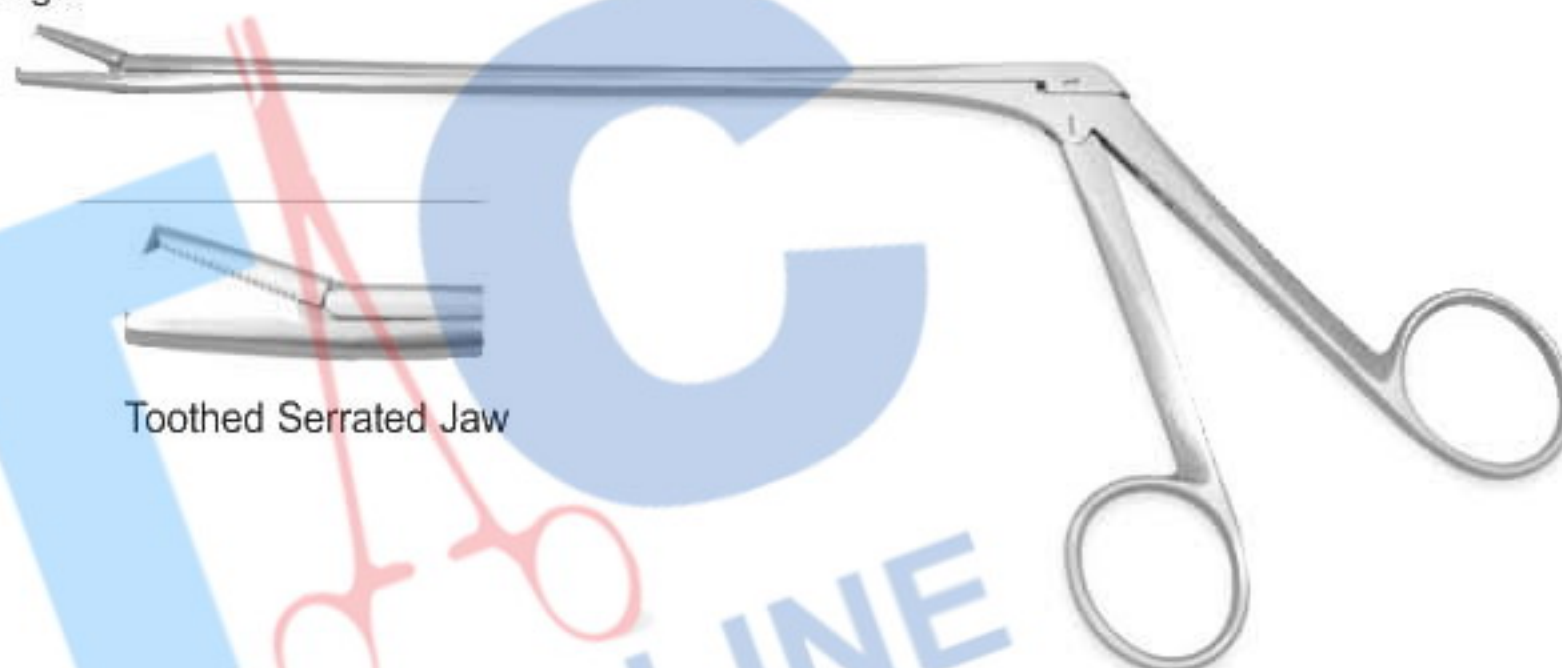


Munich Grasping Forceps

- 18cm/7" Shaft length
- 1x2 teeth
- Straight jaw

TC20-212

Toothed Serrated Jaw



Decker Ronguer

- 15cm/6" working length
- Straight 6mm jaw

TC20-213

1.5mm Jaw



Nicola Micro Cupped Biopsy Forceps

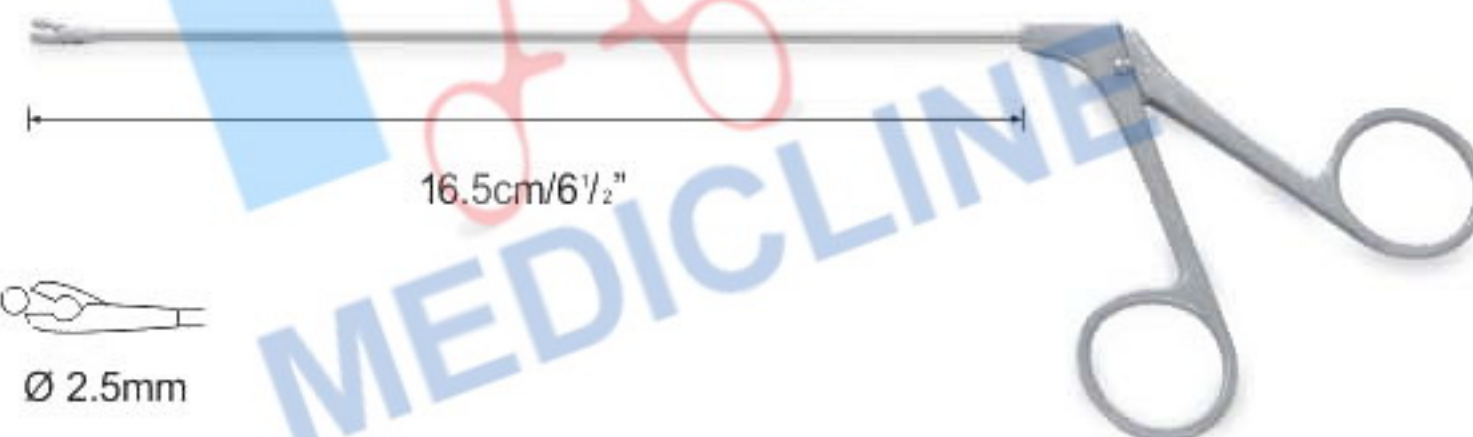
- 16.5cm/6 1/2" Shaft

TC20-214

16.5cm/6 1/2"



Ø 2.5mm

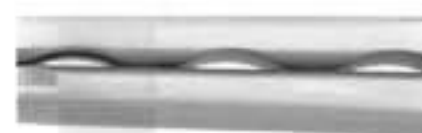


'Clean Wave' Intervertebral Disc Rongeur



STRAIGHT JAW

15cm/6" Shaft	18cm/7" Shaft	20cm/8" Shaft	Bite Size
TC20-115	TC20-122	TC20-129	1.5mm
TC20-116	TC20-123	TC20-130	2mm
TC20-117	TC20-124	TC20-131	3mm
TC20-118	TC20-125	TC20-132	4mm
TC20-119	TC20-126	TC20-133	5mm
TC20-120	TC20-127	TC20-134	6mm
TC20-121	TC20-128	TC20-135	7mm



Open design of shaft allows cleaning of shaft

40° ANGLED UPWARD JAW

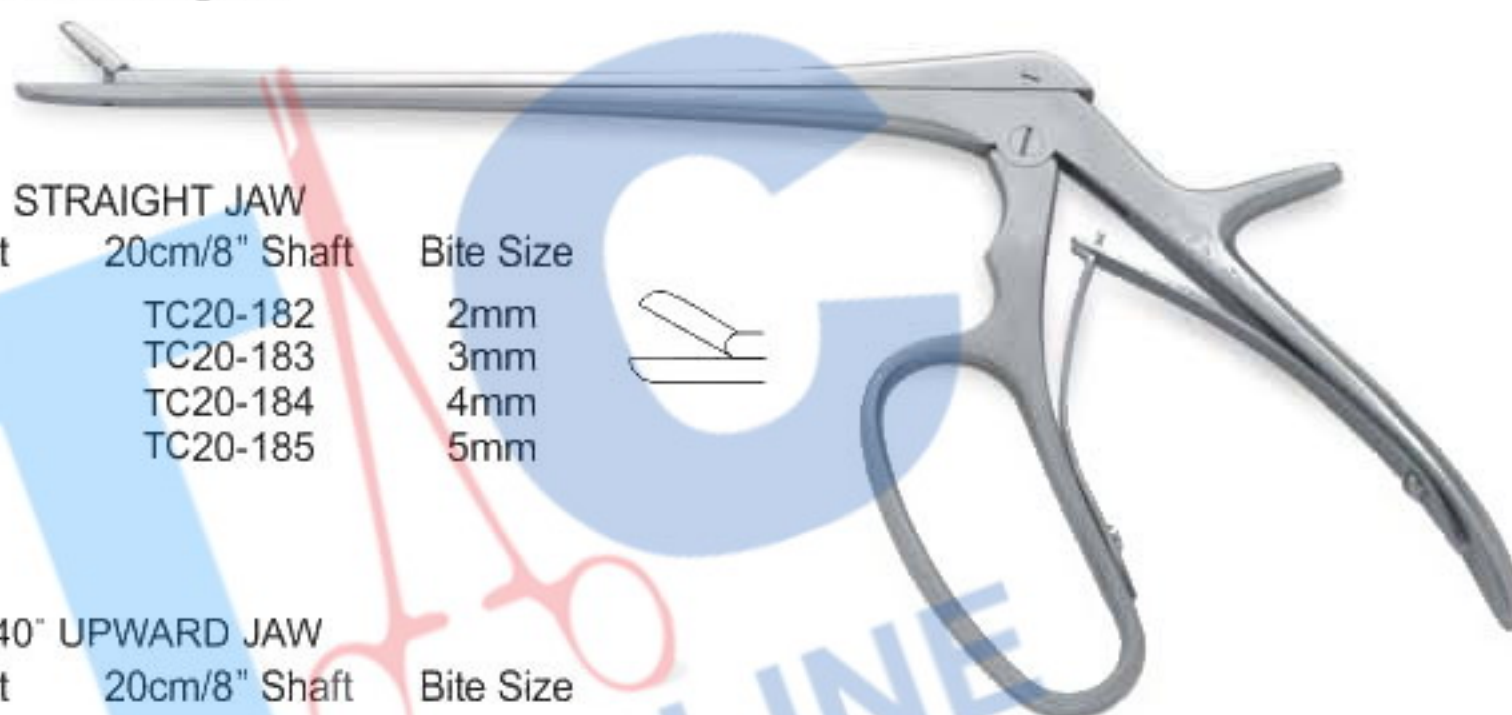
15cm/6" Shaft	18cm/7" Shaft	20cm/8" Shaft	Bite Size
TC20-136	TC20-143	TC20-150	1.5mm
TC20-137	TC20-144	TC20-151	2mm
TC20-138	TC20-145	TC20-152	3mm
TC20-139	TC20-146	TC20-153	4mm
TC20-140	TC20-147	TC20-154	5mm
TC20-141	TC20-148	TC20-155	6mm
TC20-142	TC20-149	TC20-156	7mm

40° ANGLED DOWNWARD JAW

15cm/6" Shaft	18cm/7" Shaft	20cm/8" Shaft	Bite Size
TC20-157	TC20-164	TC20-171	1.5mm
TC20-158	TC20-165	TC20-172	2mm
TC20-159	TC20-166	TC20-173	3mm
TC20-160	TC20-167	TC20-174	4mm
TC20-161	TC20-168	TC20-175	5mm
TC20-162	TC20-169	TC20-176	6mm
TC20-163	TC20-170	TC20-177	7mm

Ferris-Smith Disc Rongeur

Ring handle



STRAIGHT JAW

18cm/7" Shaft	20cm/8" Shaft	Bite Size
TC20-178	TC20-182	2mm
TC20-179	TC20-183	3mm
TC20-180	TC20-184	4mm
TC20-181	TC20-185	5mm



40° UPWARD JAW

18cm/7" Shaft	20cm/8" Shaft	Bite Size
TC20-186	TC20-190	2mm
TC20-187	TC20-191	3mm
TC20-188	TC20-192	4mm
TC20-189	TC20-193	5mm



Anterior Disc Rongeur

28cm/11" Shaft

Longer 28cm shaft for greater reach in the Anterior approach



Straight	Upward	Bite Size
TC20-194	TC20-198	2mm
TC20-195	TC20-199	3mm
TC20-196	TC20-200	4mm
TC20-197	TC20-201	5mm

Anterior Long Rongeur

- 35cm/13 1/2" Shaft
- Extra long length shaft for deeper areas

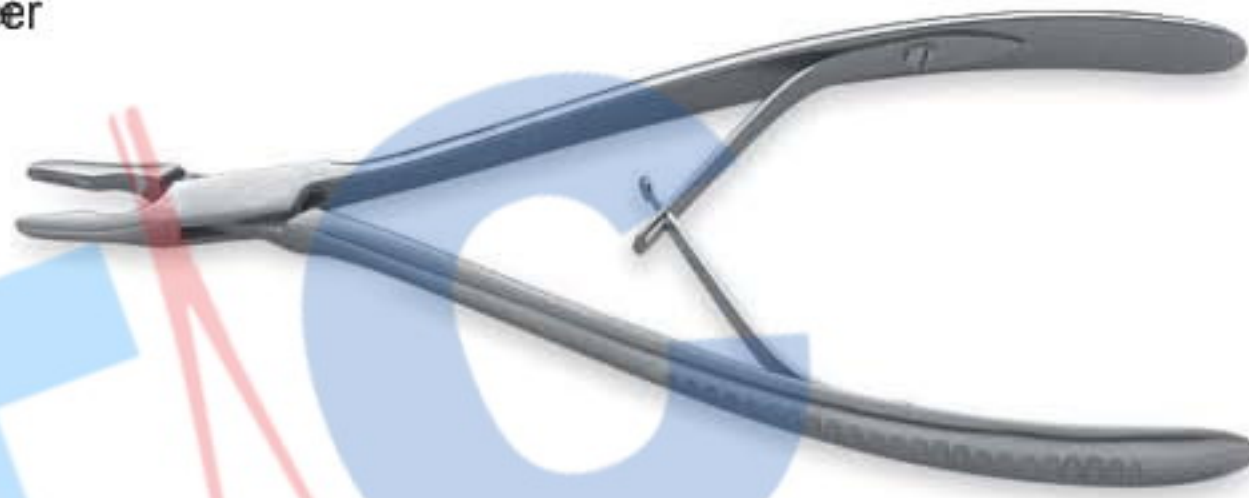


STRAIGHT	UPWARD	Bite Size	
TC20-202	-	2.4mm	
TC20-203	BM20-206	4mm	
TC20-204	-	6mm	with teeth
TC20-205	BM20-207	8mm	with teeth

Lempert Bone Nibbler

Single Action
19cm/7 1/2"

3mm Bite
TC20-208



Luer Bone Nibbler

Single Action
18cm/7"



Straight
8mm Bite
TC20-209



Curved
8mm Bite
TC20-210



Adsons Bone Nibbler

Single Action
20cm/8"



7mm Bite
TC20-211



Pennybacker Bone Nibbler

Single Action
20cm/8"

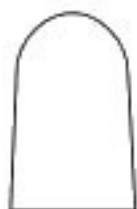


4mm Bite
TC20-212



Northfields Bone Nibbler

Single Action
20cm/8"



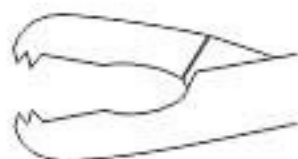
10mm Bite
TC20-213



'Rat Toothed' Bone Nibbler

Single Action
• 21cm/8 1/4"

8mm Bite
TC20-214

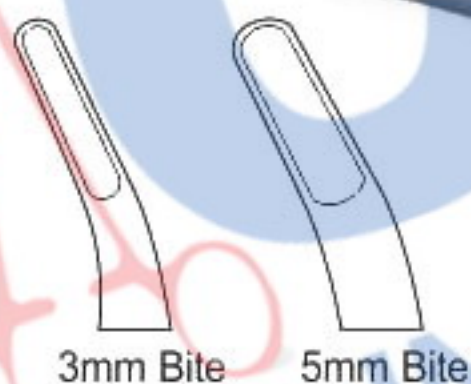


3 x 3 Teeth



Zielke Intervertebral Rongeur Angled Parallel Jaws

21cm/8 1/4"	25cm/9 1/4"	Bite Size
TC20-215	TC20-217	3mm
TC20-216	TC20-218	5mm



Matzen Intervertebral Rongeur 20cm/8" Angled Jaws

8mm Bite
TC20-219



Beyer Bone Nibbler Curved Double Action 18cm/7"

4mm Bite
TC20-220



Jansen Bone Nibbler

- Curved Double Action
- 18cm/7"

5mm Bite



Marquardt Bone Nibbler

- Curved Double Action
- 20cm/8"

3mm Bite
TC20-222



Smith-Peterson Bone Nibbler

- Double Action
- 24cm/9 1/2"

Straight	Light Curve	Bite Size
TC20-223	TC20-227	3mm
TC20-224	TC20-228	4mm
TC20-225	TC20-229	5mm
TC20-226	TC20-230	6mm



Straight



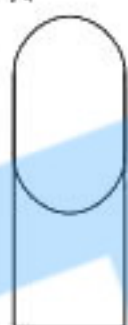
Light Curve



Stille-Luer Bone Nibbler

Double Action

22cm/8³/₄"



Straight
10mm Bite
TC20-231



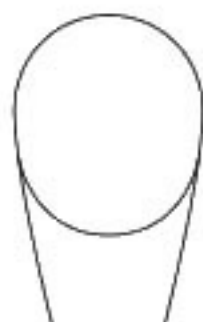
Curved
10mm Bite
TC20-232



'Mr Blobby' Stille-Luer Bone Nibbler

Double Action

26cm/10¹/₄"



Straight
17mm Bite
TC20-233



Curved
17mm Bite
TC20-234



Leksell Bone Nibbler

Double Action Angled

24cm/9¹/₂"

Angled Jaw

TC20-235
TC20-236
TC20-237

Bite Size

3mm
5mm
8mm



3mm



5mm



8mm



Echlin Duckbill Nibbler

Double Action
23cm/9"



2mm Bite
TC 20-238



3mm Bite
TC 20-239



4mm Bite
TC 20-240



Long Anterior Leksell Bone Nibbler

Double Action
30cm/12"



5mm Bite
TC 20-241



8mm Bite
TC 20-242



Sypert Bone Nibbler

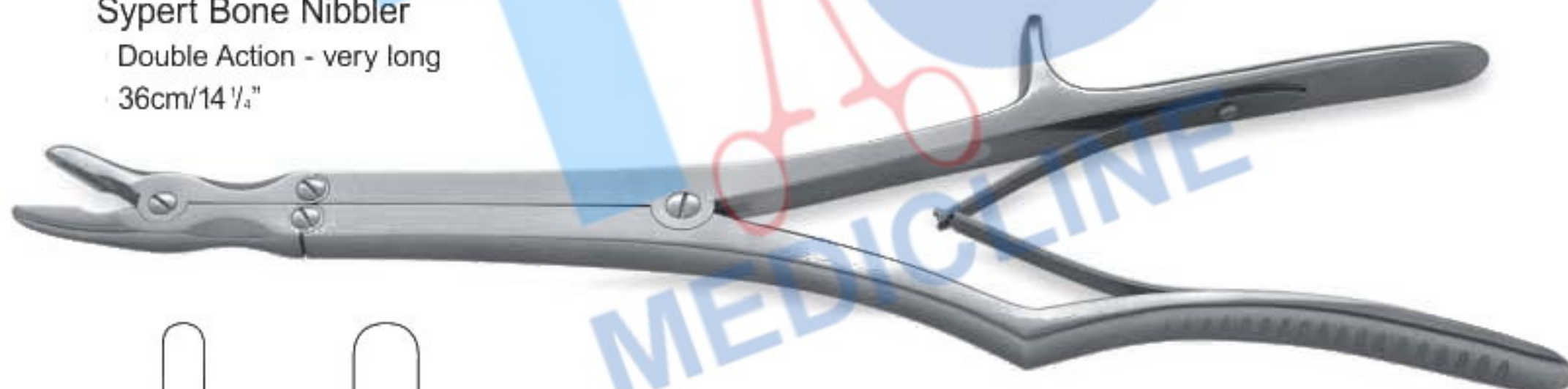
Double Action - very long
36cm/14 1/4"



5mm Bite
TC 20-243



8mm Bite
TC 20-244



McIndoe Bone Cutters

18cm/7"



TC20-245



Stille-Liston Bone Cutters

27cm/10³/₄"



Straight
TC 20-246



Angled
TC20-247

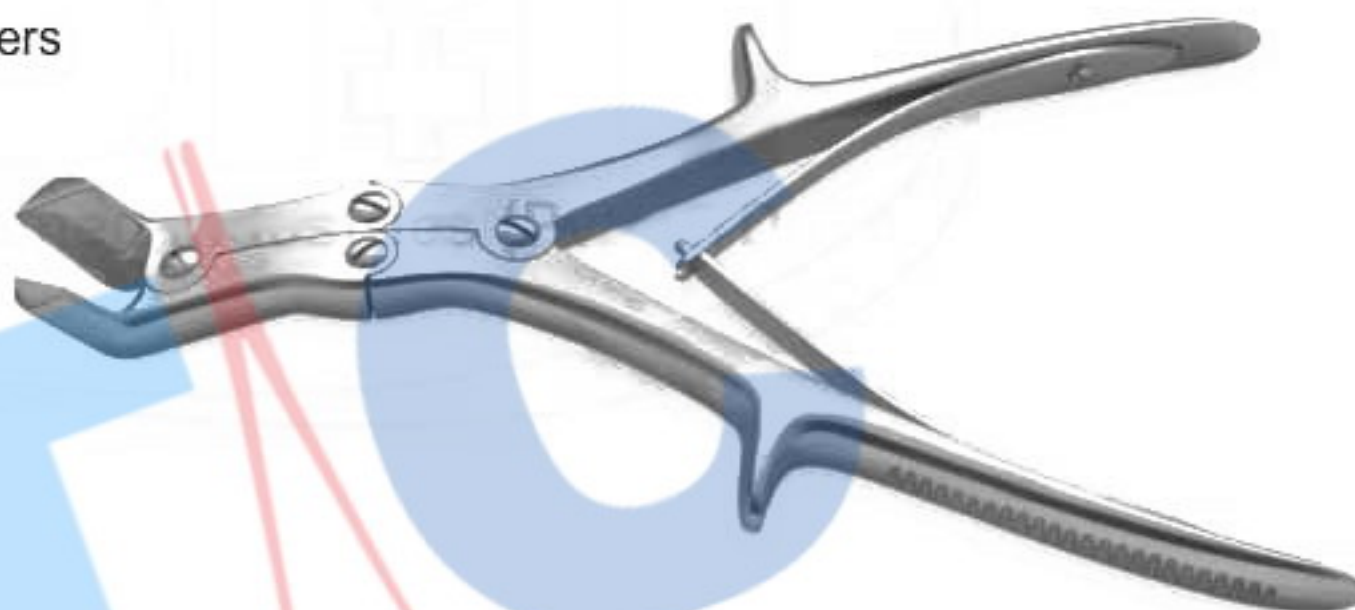


Liston-Key-Horsley Bone Cutters

27cm/10³/₄"



TC20-248



Tudor Edwards/Vehmehren Costotome

24cm/9¹/₂"

For cutting ribs

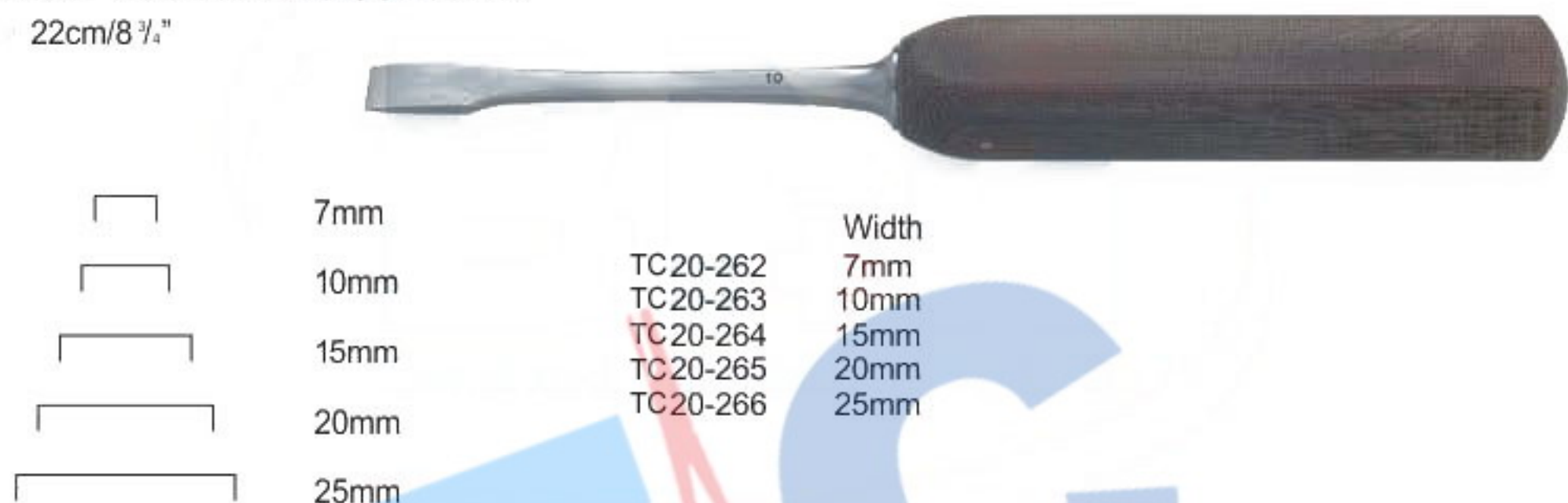
TC20-249



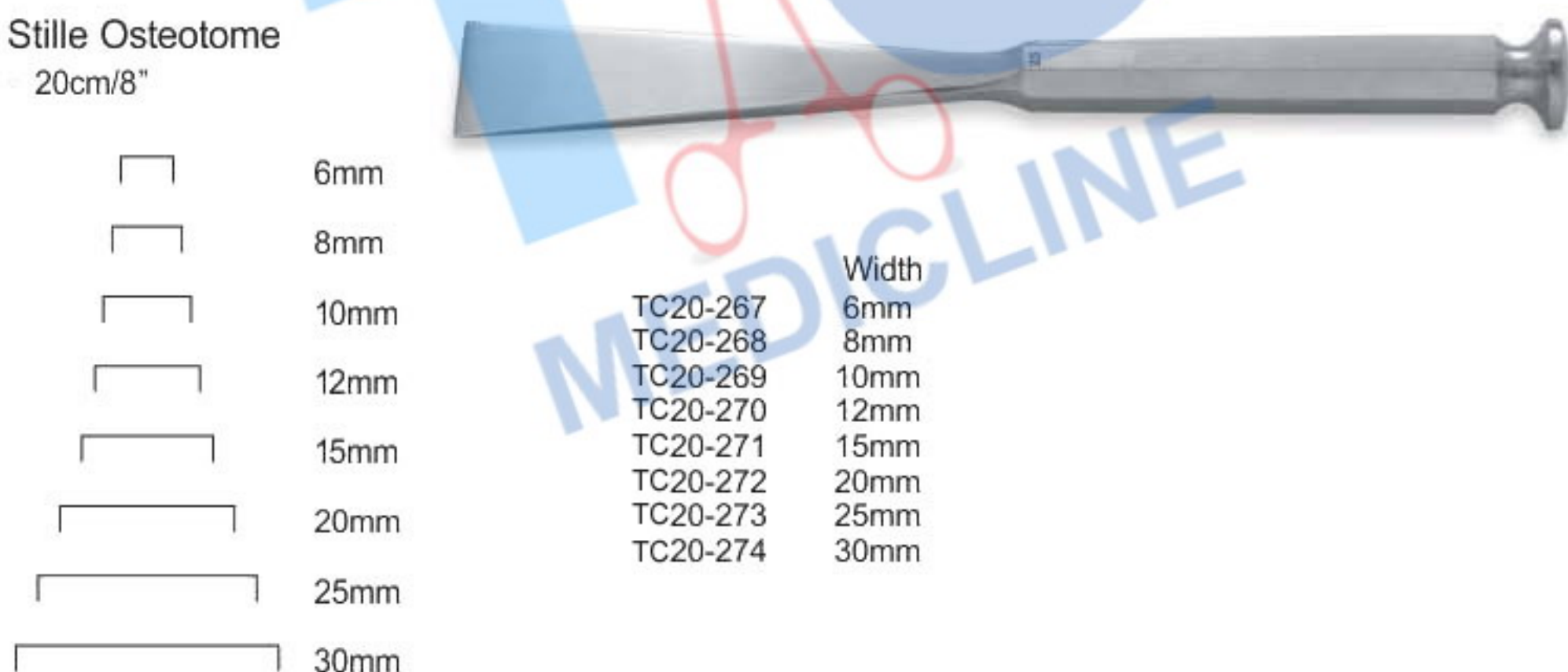
Dahmen Tufnol Handle Osteotome 30cm/12"



Lexer Tufnol Handle Osteotome 22cm/8 3/4"



Stille Osteotome 20cm/8"



Scaglietti Osteotomes

26cm/10 1/4"

	Size
TC20-275	6mm
TC20-276	9mm
TC20-277	12mm
TC20-278	16mm
TC20-279	19mm



Toffee Mallet

19cm/7 1/2"

Head size 22mm Ø
Weight 165g/6oz

TC20-280



London Splint Mallet

18cm/7"

Head size 30mm Ø
Weight 450g/16.2oz

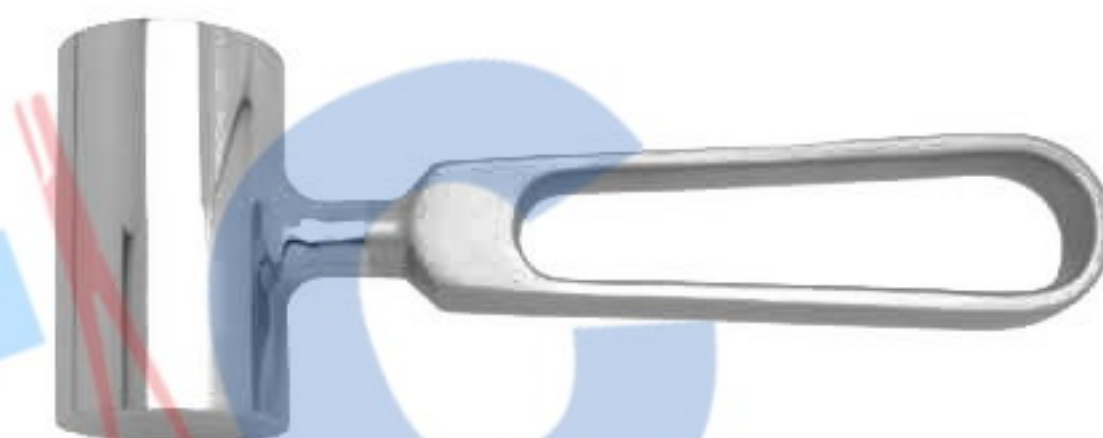
TC20-281



Heath Mallet

- 19cm/7 1/2"
- Stainless steel head
- Head size 40mm Ø
- Weight 1020g/36oz

TC20-282



Mallet with Tufnol Handle

- 23cm/9"
- Head size 35mm Ø
- Weight 550g/20oz

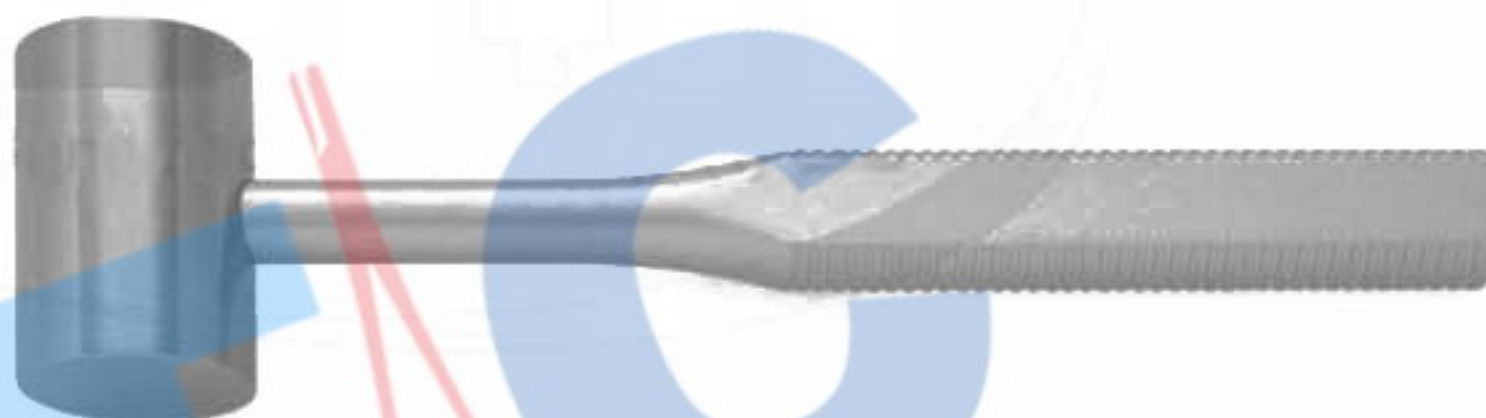
TC20-283



Ombredanne Mallet

- 24cm/9 1/2"
- Head size 40mm Ø
- Weight 550g/20oz

TC20-284



Tufnol Mallet

- 25.5cm/10"
- Head size 42mm Ø
- Weight 250g/10oz

TC20-285



Adson Periosteal Elevator

16cm/6 1/4"
Curved blunt

TC20-286 Width 5mm
TC20-287 7mm



Pennybacker Periosteal Elevator

16cm/6 1/4"
Curved sharp

TC20-288 Width 4mm
TC20-289 6mm
TC20-290 8mm



Bone Raspatory with Tufnol Handle

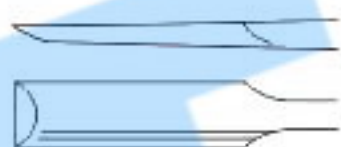
19cm/7 1/2"

Straight

TC20-291

Width

6mm

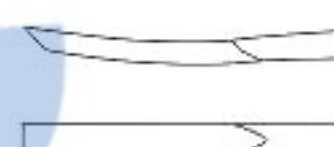


Curved

TC20-292
TC20-293

Width

3mm
6mm



Farabeuf Rugine Elevator

15cm/6"

Straight

TC20-294

Width

12mm

Curved*

TC20-295

Width

12mm



*illustrated

Trethowan Bone Lever

22.5cm/8 1/2"

TC20-296



Lanes Bone Lever

26cm/10 1/4"

TC20-297



Fagge Bone Lever

27.5cm/10 3/4"

TC20-298



Bristows Bone Elevator

23cm/9"
Curved sharp

TC20-299

Width
10mm



Hohmanns Bone Elevator

24cm/9 1/4"

	Width
TC20-300	8mm
TC20-301	18mm
TC20-302	43mm

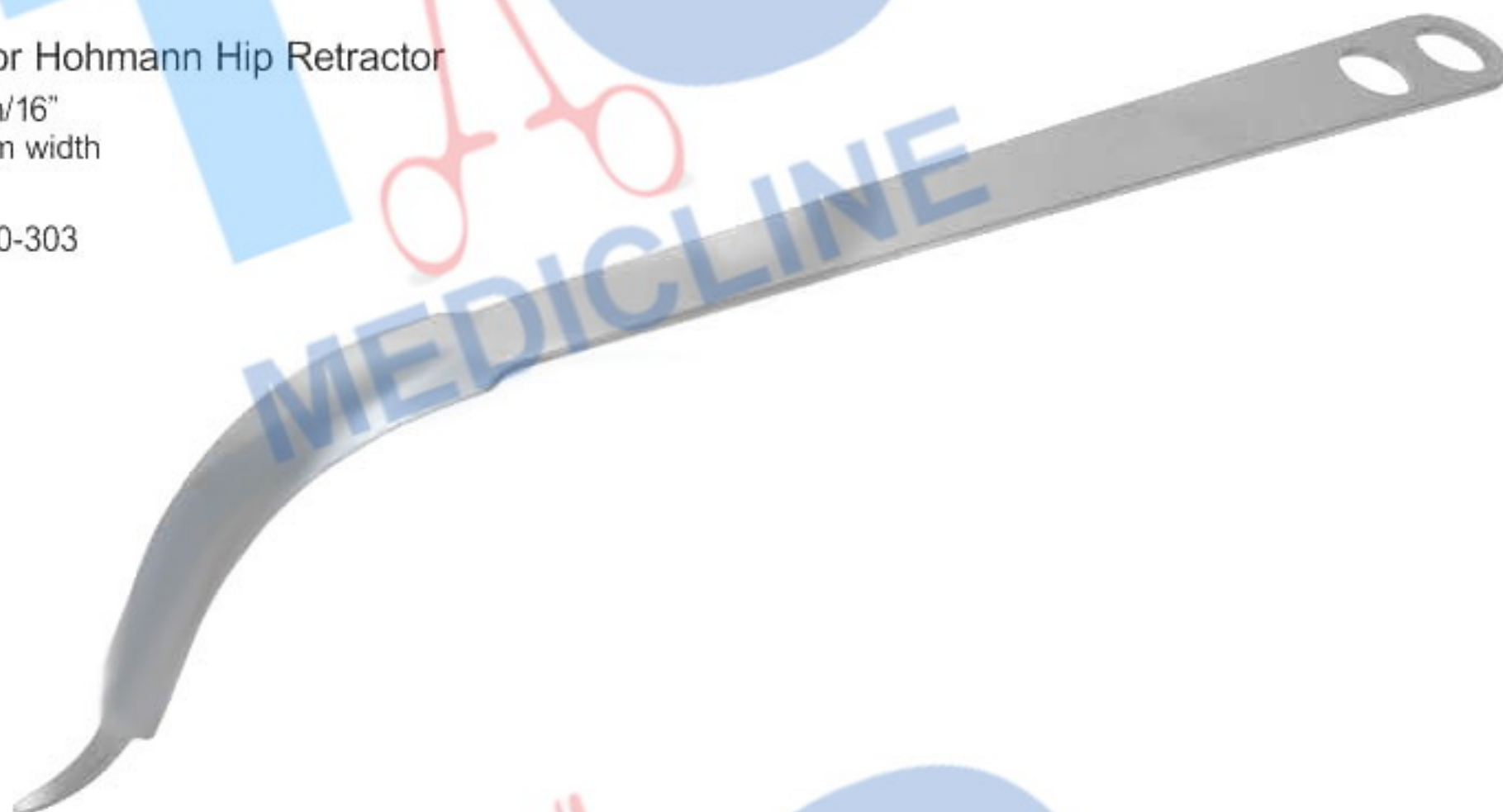


Inferior Hohmann Hip Retractor

40cm/16"

22mm width

TC20-303



Zielke Gouge

23cm/9"

*illustrated

Curved*	Width
TC20-304	6mm
TC20-305	9mm

S-Shaped	Width
TC20-306	6mm
TC20-307	9mm



Capener Lamina Gouge

23cm/9"

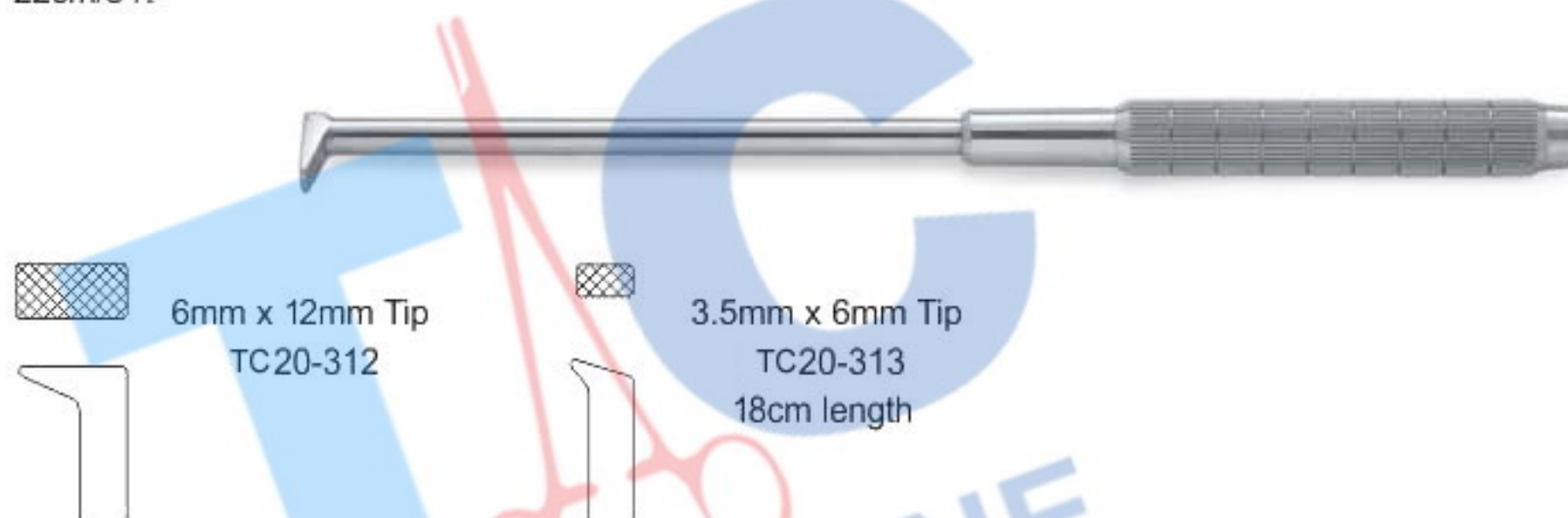
Cranked Shaft

	Width
TC20-308	6mm
TC20-309	8mm
TC20-310	11mm
TC20-311	16mm



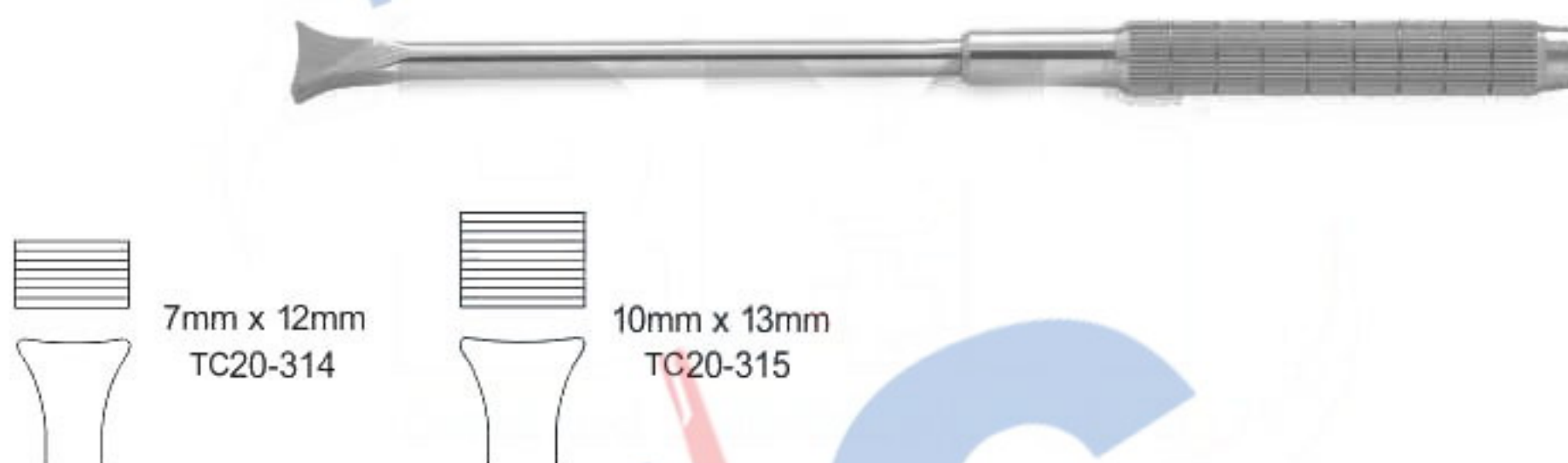
Cervical Bone Graft Impactor 90° Offset

22cm/8 1/2"



Lumbar Bone Graft Impactor

22cm/8 1/2"



Anterior Bone Graft Impactor

34cm/13 1/2"



Cobb Spinal Elevator

31cm/12 1/4" overall length
18cm/7" handle length



10mm
TC20-318



13mm
TC20-319



19mm
TC20-320



Harrington Cobb Spinal Elevator

30.5cm/12" overall length



10mm
TC20-321



13mm
TC20-322



19mm
TC20-323



Cobb Spinal Elevator Extra Long Handle

34cm/13 1/2" overall length
22cm/8 3/4" handle length



10mm
TC20-324



15mm
TC20-325



20mm
TC20-326



25mm
TC20-327



30mm
TC20-328



Comfort Cobb Elevator

- 32cm/12 1/2" overall length
- 20cm/8" handle length



10mm
TC20-329



15mm
TC20-330



20mm
TC20-331



25mm
TC20-332



30mm
TC20-333



Long Anterior Comfort Cobb Elevator

- 47cm/18 1/2"



10mm
TC20-334



15mm
TC20-335



20mm
20-336



25mm
TC20-337



30mm
TC20-338



Lempert Curette

21cm/8 1/4"



Straight	Cup Size	Angled	Cup Size						
TC20-339	00000	TC20-345	00000						
TC20-340	0000	TC20-346	0000						
TC20-341	000	TC20-347	000						
TC20-342	00	TC20-348	00						
TC20-343	0	TC20-349	0						
TC20-344	1	TC20-350	1						
				00000	0000	000	00	0	1
				cup size	cup size	cup size	cup size	cup size	cup size

Bruns Curette

23cm/9"



Straight	Cup Size	Angled	Cup Size						
TC20-351	000	TC20-357	000						
TC20-352	00	TC20-358	00						
TC20-353	0	TC20-359	0						
TC20-354	1	TC20-360	1						
TC20-355	2	TC20-361	2						
TC20-356	3	TC20-362	3						
				000	00	0	1	2	3
				cup size	cup size	cup size	cup size	cup size	cup size

Tufnol Handle Micro Curette

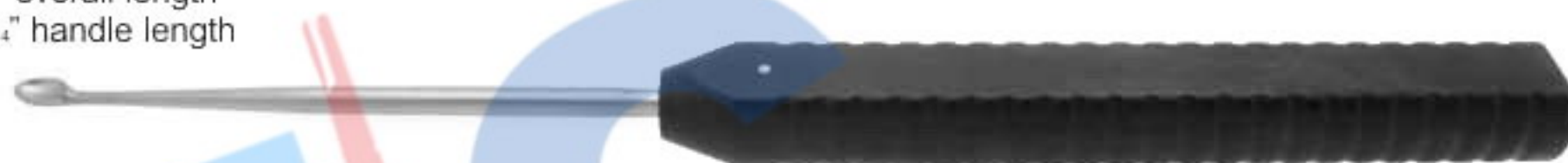
27cm/10"



Straight	Cup Size	Angled	Cup Size						
TC20-363	0000	TC20-368	0000						
TC20-364	000	TC20-369	000						
TC20-365	00	TC20-370	00						
TC20-366	0	TC20-371	0						
TC20-367	1	TC20-372	1						
				0000	000	00	0	1	
				cup size	cup size	cup size	cup size	cup size	

Double Handled Extra Large Curette

38cm/15" overall length
21cm/8³/₄" handle length



Straight	Cup Size	Angled	Cup Size
TC20-373	7mm	TC20-378	7mm
TC20-374	9mm	TC20-379	9mm
TC20-375	11mm	TC20-380	11mm
TC20-376	13mm	TC20-381	13mm
TC20-377	15mm	TC20-382	15mm












Comfort Handle Curette

29cm/11¹/₂" overall length
20cm handle length



Straight	Cup Size	Angled	Cup Size
TC20-383	6.5mm	TC20-388	6.5mm
TC20-384	8.5mm	TC20-389	8.5mm
TC20-385	11mm	TC20-390	11mm
TC20-386	13mm	TC20-391	13mm
TC20-387	15mm	TC20-392	15mm

Long Anterior Curette

38cm/15" overall length



Straight	Cup Size	Angled	Cup Size
TC20-393	4.3mm	TC20-396	4.3mm
TC20-394	7mm	TC20-397	7mm
TC20-395	8mm	TC20-398	8mm















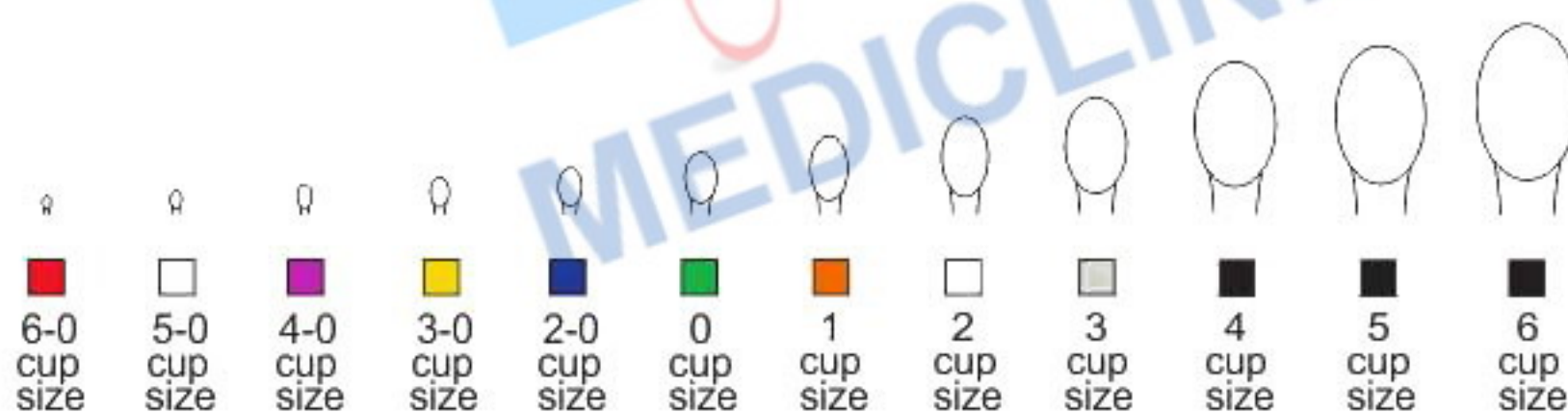


Light-Grip Cervical Curettes

26cm/10 1/4" overall length
13cm/5 1/4" handle length
Colour coded handles



Cup Size	Straight	Forward	Down
 6-0	TC20-399	TC20-411	TC20-423
 5-0	TC20-400	TC20-412	TC20-424
 4-0	TC20-401	TC20-413	TC20-425
 3-0	TC20-402	TC20-414	TC20-426
 2-0	TC20-403	TC20-415	TC20-427
 0	TC20-404	TC20-416	TC20-428
 1	TC20-405	TC20-417	TC20-429
 2	TC20-406	TC20-418	TC20-430
 3	TC20-407	TC20-419	TC20-431
 4	TC20-408	TC20-420	TC20-432
 5	TC20-409	TC20-421	TC20-433
 6	TC20-410	TC20-422	TC20-434



Light-Grip Lumbar Currettes

34cm/13 1/2" overall length

20cm/8" handle length

Colour coded handles



Straight















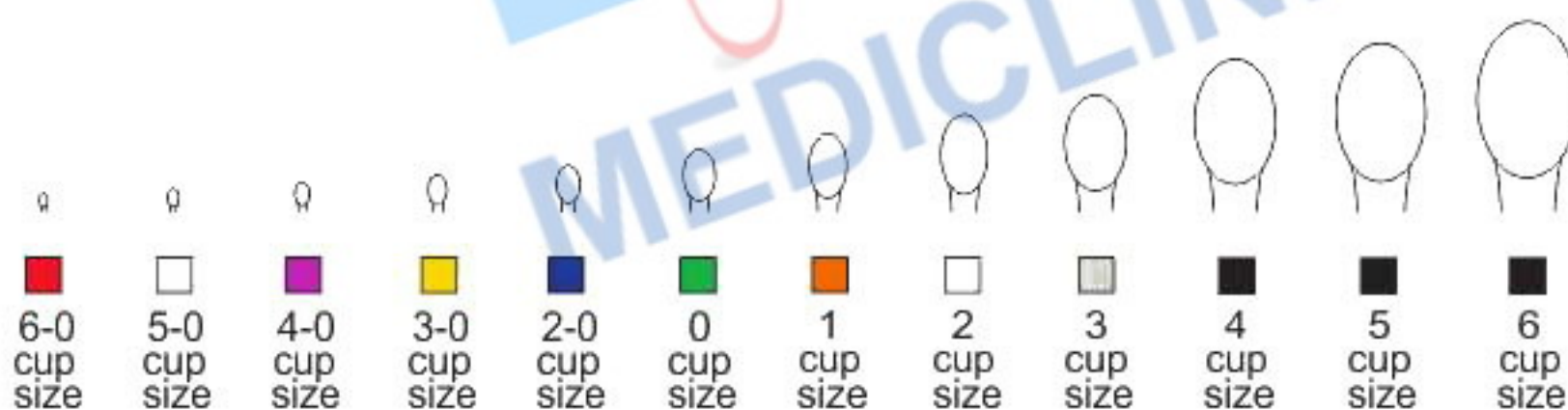
Forward



Down

Cup Size

	6-0	TC20-435	TC20-446	TC20-458
	5-0	TC20-436	TC20-447	TC20-459
	4-0	TC20-437	TC20-448	TC20-460
	3-0	TC20-438	TC20-449	TC20-461
	2-0	TC20-439	TC20-450	TC20-462
	0	TC20-440	TC20-451	TC20-463
	1	TC20-441	TC20-452	TC20-464
	2	TC20-442	TC20-453	TC20-465
	3	TC20-443	TC20-454	TC20-466
	4	TC20-444	TC20-455	TC20-467
	5	TC20-445	TC20-456	TC20-468
	6	TC20-446	TC20-457	TC20-469



Cones Ring Curette

23cm/9"



Straight	Ring Size	Angled	Ring Size		
TC20-470	3mm	TC20-473	3mm		3mm ring size
TC20-471	6mm	TC20-474	6mm		6mm ring size
TC20-472	8mm	TC20-475	8mm		8mm ring size

Zielke Curette

21cm/8 1/4"









Straight	Size	Angled	Size
TC20-476	8mm	TC20-478	8mm
TC20-477	11mm	TC20-479	11mm

Volkman Double Ended Curette

22cm/8 3/4"



	Size	
TC20-480	Small	
TC20-481	medium	
TC20-482	Large	
		
		
		
		Small Medium Large

Swedish Dissector

18cm/7"



TC20-483

Howarth Elevator

21.5cm/8 1/2"



TC20-484

MacDonald Elevator/Dissector



Size

TC20-485 18cm/7"

TC20-486 23cm/9"

Watson Cheyne Dissector



Size

TC20-487 18cm/7"

TC20-488 23cm/9"

TC20-489 25.5cm/10"

Freers Elevator/Dissector

18.5cm/7 1/4"



TC20-490

Drill Guide

TC20-491 Right (illustrated)

TC20-492 Left



Screw Driver

TC 20-493



Distraction Drill

TC 20-494



- For pre-drilling pilot holes for screws with drill guide 2mm

Distraction Screws

- 7cm post length
- Sterile packed



	Thread length
TC20-495	12mm
TC20-496	14mm
TC20-497	16mm

Supplied Sterile in boxes of 10

Cervical Vertebral Spreader

13cm/5 1/4"

3mm tip

TC20-498

TC20-499

Depth

70mm

95mm

Depth
95mm*



Cloward Cervical Spreader

17cm/6 3/4"

Max opening 20mm

TC20-500

Depth
50mm

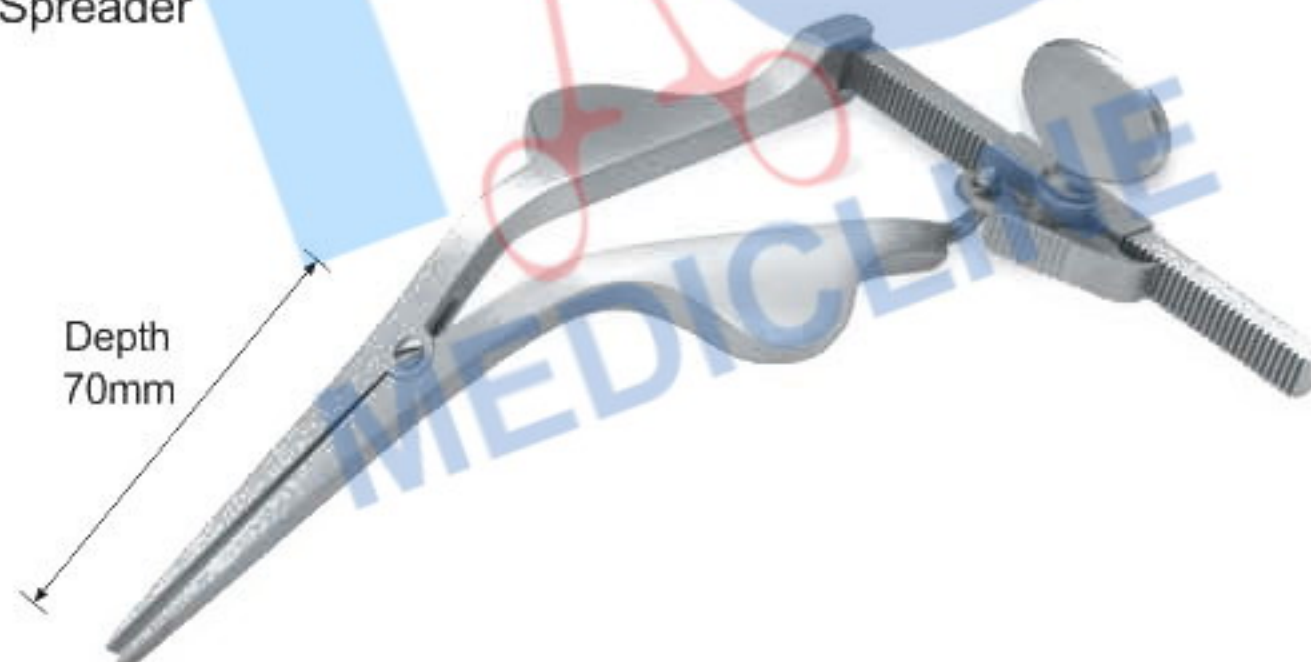


Cloward Lamina Spreader

15cm/6"

TC20-501

Depth
70mm

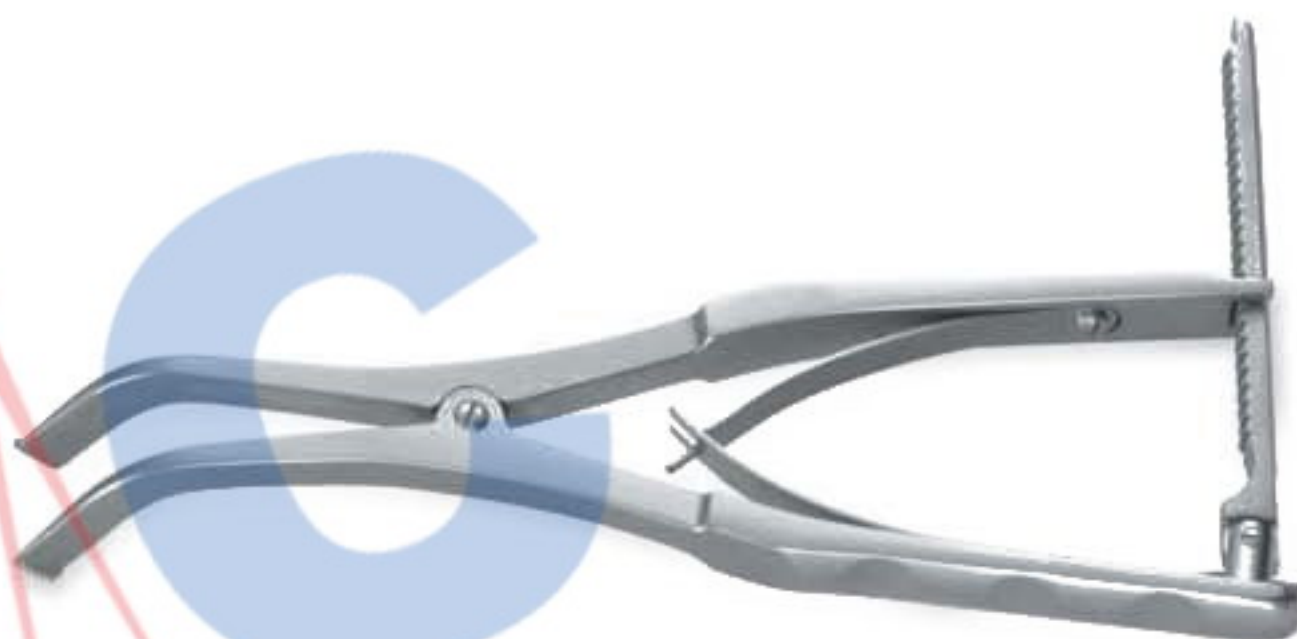
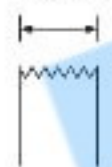


Baby Inge Lamina Spreader

18cm/7"

TC20-502

7mm

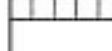
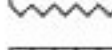


Inge Lamina Spreader

24cm/9 1/2". Max opening 50mm

TC20-503

10mm



20mm

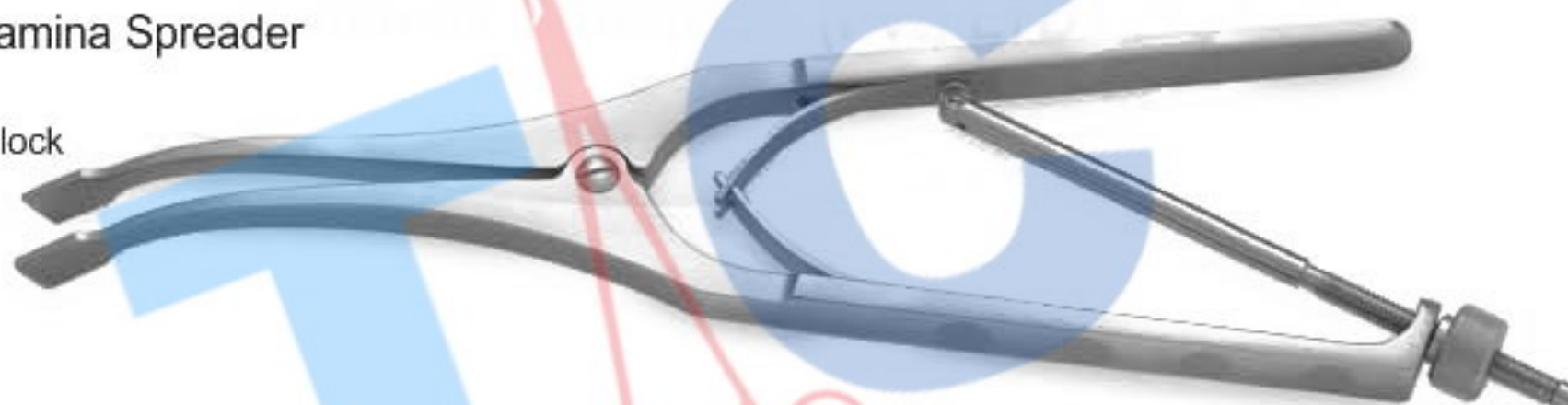


Scaglietti Lamina Spreader

28cm/11"

With speed lock

TC20-504

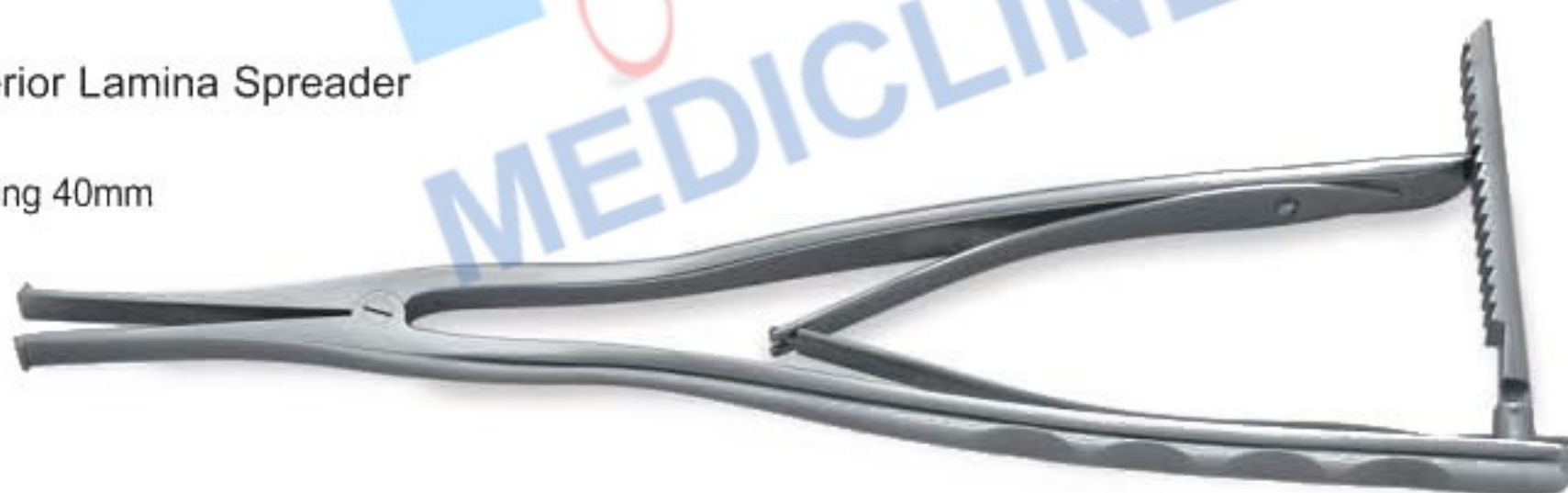


Long Anterior Lamina Spreader

28cm/11"

Max opening 40mm

TC20-505



Adson Dural Hook

19cm/7 1/2"

Sharp
TC20-506

Blunt
TC20-507



Titanium Micro Hooks

19cm/7 1/2"

90° Semi-sharp
TC20-508

90° Blunt
TC20-509



Crile Blunt Hook

20cm/8"

7mm tip length



TC20-510

Emmet Sharp Hook

22cm/8 3/4"

5mm tip length



TC20-511

Cushing Blunt Hook

28cm/11"

4mm tip length



TC20-512

Adson Hook

20cm/8"
5mm tip length



McCulloch Probe with Ball End

23.5cm/9 1/4"



Manipulation Hook

23.5cm/9 1/4"
4mm tip length



TC20-517

Blalock Blunt Hook

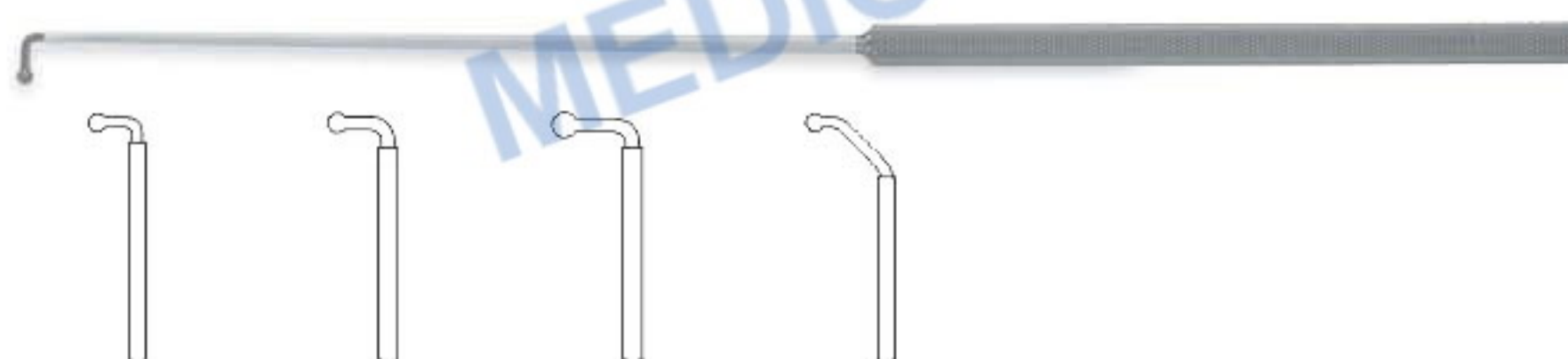
24cm/9 1/2"
5mm tip length



TC20-518

Caspar Exploration Probe

24.5cm/9 3/4"
Insulated shaft



TC20-519

TC20-520

TC20-521

TC20-522

Love Bayonet Nerve Root Retractor

21cm/8 1/4"

TC20-523



Krayenbuhl Nerve Root Retractor

Double bayonet
21cm/8 1/4"

21cm/8 1/4" TC20-524

24cm/9 1/2" TC 20-525



O'Connell Nerve Root Retractor

21.5cm/8 1/2"

TC20-526



Love Nerve Root Retractor

22cm/8 3/4"
5mm tip width

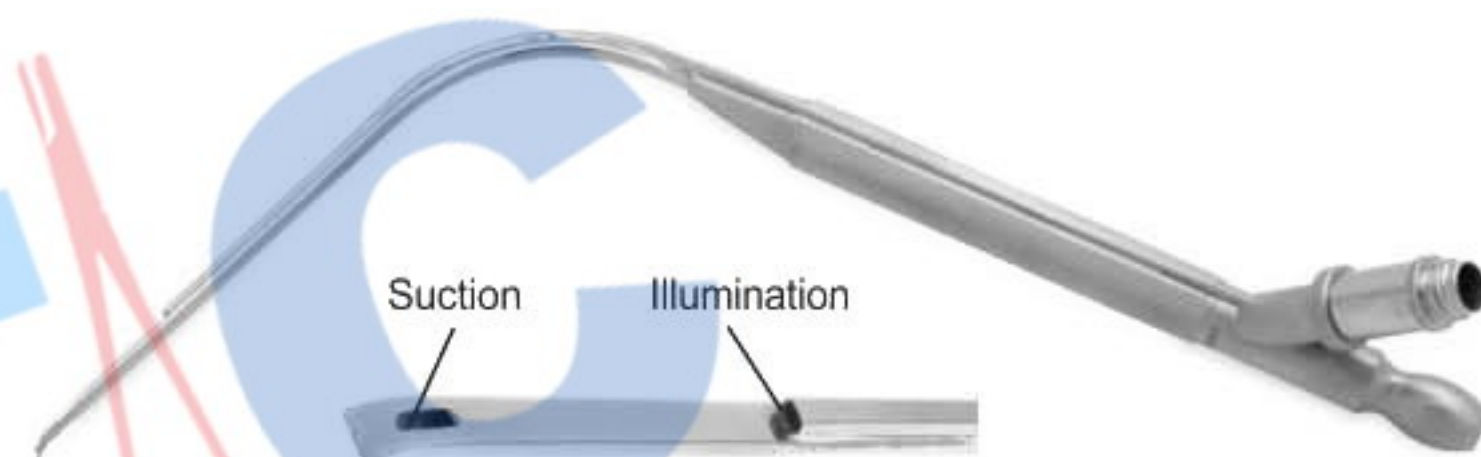


TC20-527	Straight	
TC20-528	25° Angled	*illustrated
TC20-529	90° Angled	

Shepherd Suction Nerve Root Retractor

- 26cm/10 1/2"
- With suction aspiration
- Fibre optic illumination
- 4mm tip width

TC20-530



Nerve Root Retractor with suction

- 31cm/12"
- 7mm tip width

TC20-531

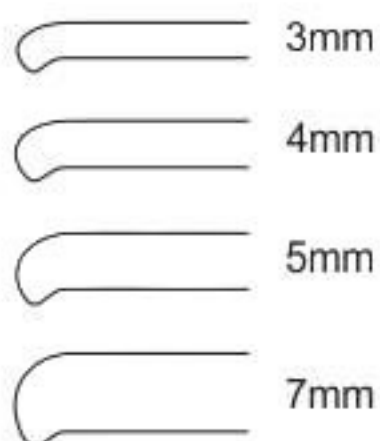


Hess Nerve Root Retractor

- 19cm/7 1/2"

Width

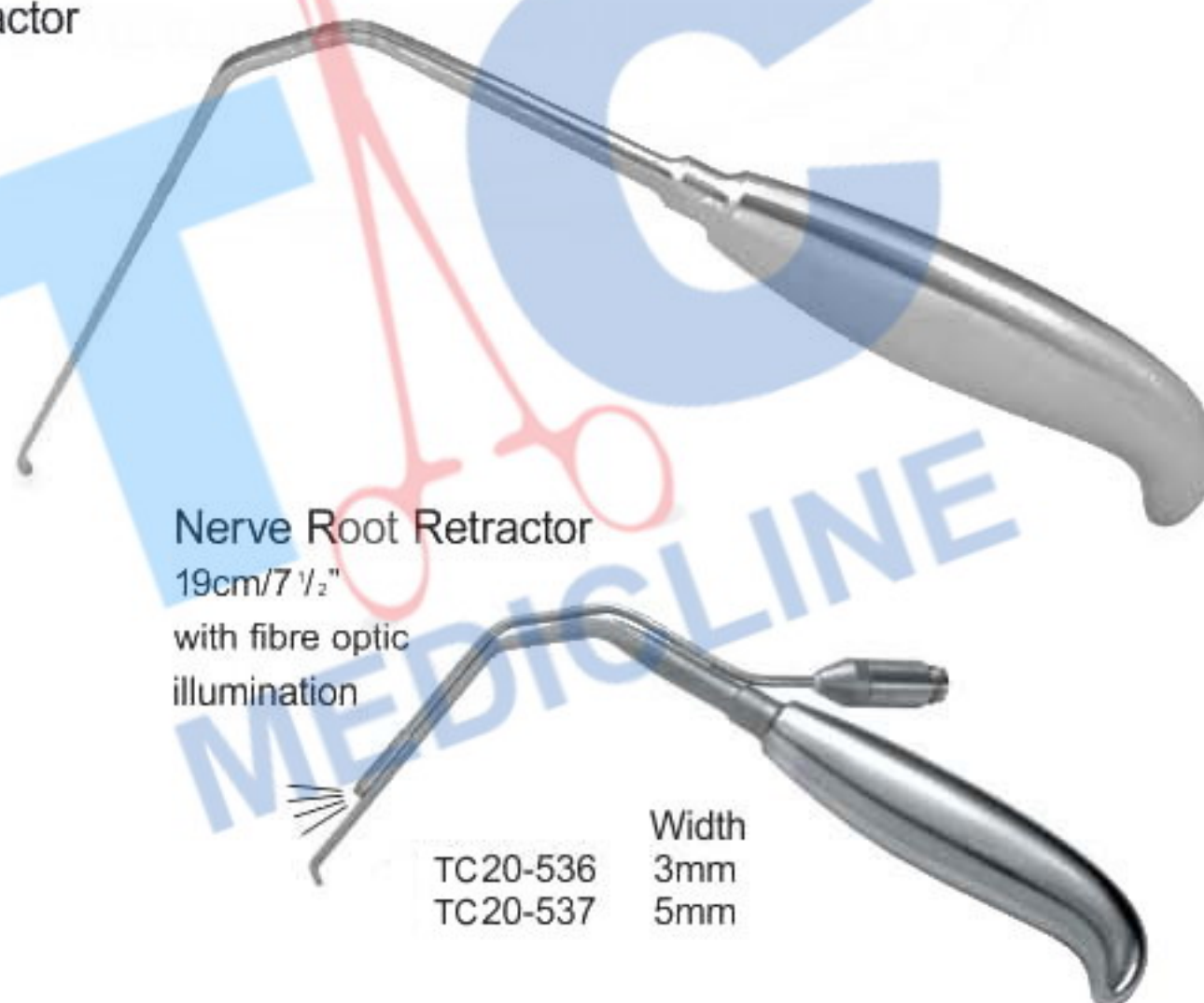
TC20-532	3mm
TC20-533	4mm
TC20-534	5mm
TC20-535	7mm



Nerve Root Retractor

- 19cm/7 1/2"
- with fibre optic illumination

TC20-536	Width 3mm
TC20-537	Width 5mm



Meyerding Retractor

22.5cm/9"



Blade size

TC20-538	50mm x 16mm
TC20-539	75mm x 25mm
TC20-540	90mm x 50mm

Langenbeck Retractor

21.5cm/8½"



Blade size

TC20-541	22mm x 6mm
TC20-542	45mm x 13mm
TC20-543	65mm x 25mm
TC20-544	90mm x 20mm

Taylor Hip Retractor

19cm/7½"



Depth

TC20-545	70mm
TC20-546	85mm
TC20-547	100mm

Bone Hook

24.5cm/9¾"
Sharp

TC20-551



Volkman Catspaw Retractor

Semi sharp teeth
21.5cm/8½"



15 x 15mm
3 Prong
TC20-552



15 x 20mm
4 Prong
TC20-553



15 x 30mm
6 Prong
TC20-554



Cloward Style Blade Retractor

11cm/4¼"

Width

TC20-548	13mm
TC20-549	18mm
TC20-550	20mm



Baby Weitlaner S/R Retractor

- 11.5cm/4 1/2"
- 2 x 3 Blunt Prongs

TC20-555



Mollison S/R Retractor - Child

- 13cm/5 1/4"
- 2 x 2 Sharp prongs 12mm depth

TC20-556



Mollison S/R Retractor - Adult

- 17cm/6 3/4"
- 4 x 4 Sharp prongs 14mm depth

TC20-557



Wests S/R Retractor

14cm/5 1/2"

3 x 4 Sharp Prongs

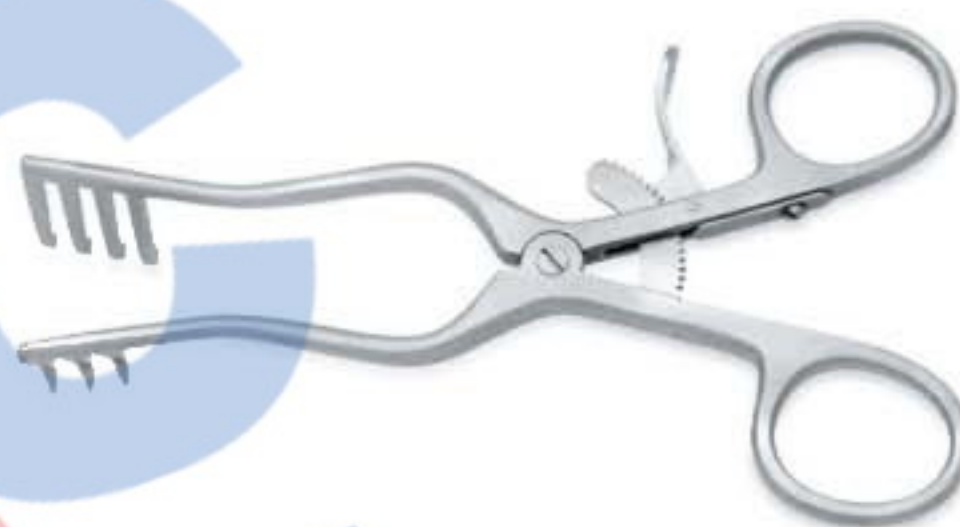
TC20-558

Weitlaner S/R Retractor

14cm/5 1/2"

3 x 4 Blunt Prongs

TC20-559



Travers S/R Retractor

20cm/8"

4 x 5 Blunt Prongs

TC20-560



Norfolk and Norwich S/R Retractor

20cm/8"

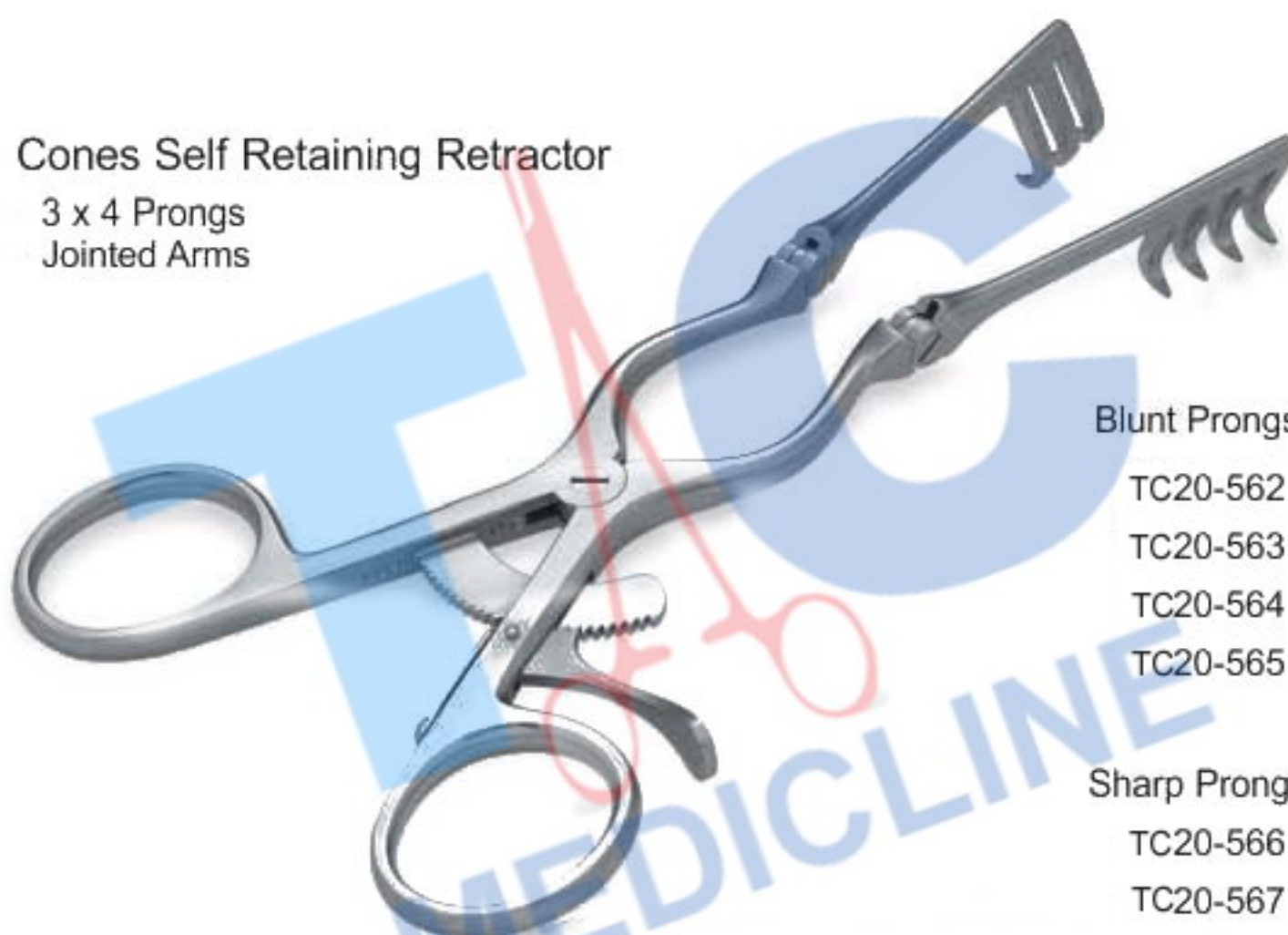
4 x 5 Blunt Prongs

TC20-561



Cones Self Retaining Retractor

3 x 4 Prongs
Jointed Arms



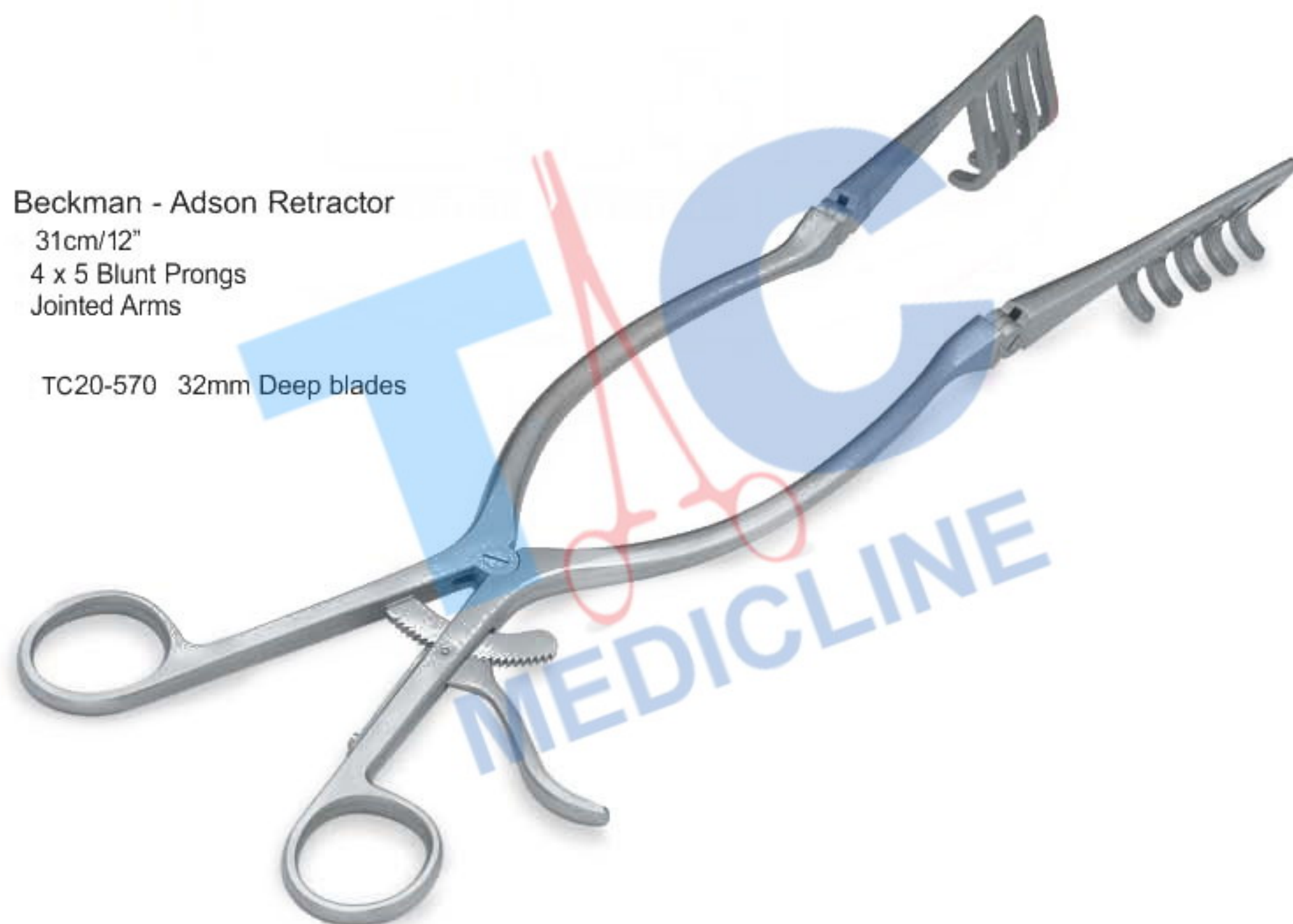
Blunt Prongs	Length
TC20-562	13cm/5"
TC20-563	16cm/6 1/2"
TC20-564	20cm/8"
TC20-565	24cm/9 1/2"

Sharp Prongs	Length
TC20-566	13cm/5"
TC20-567	16cm/6 1/2"
TC20-568	20cm/8"
TC20-569	24cm/9 1/2"

Beckman - Adson Retractor

31cm/12"
4 x 5 Blunt Prongs
Jointed Arms

TC20-570 32mm Deep blades



Gelpi Laminectomy Retractor

- Sharp Prongs

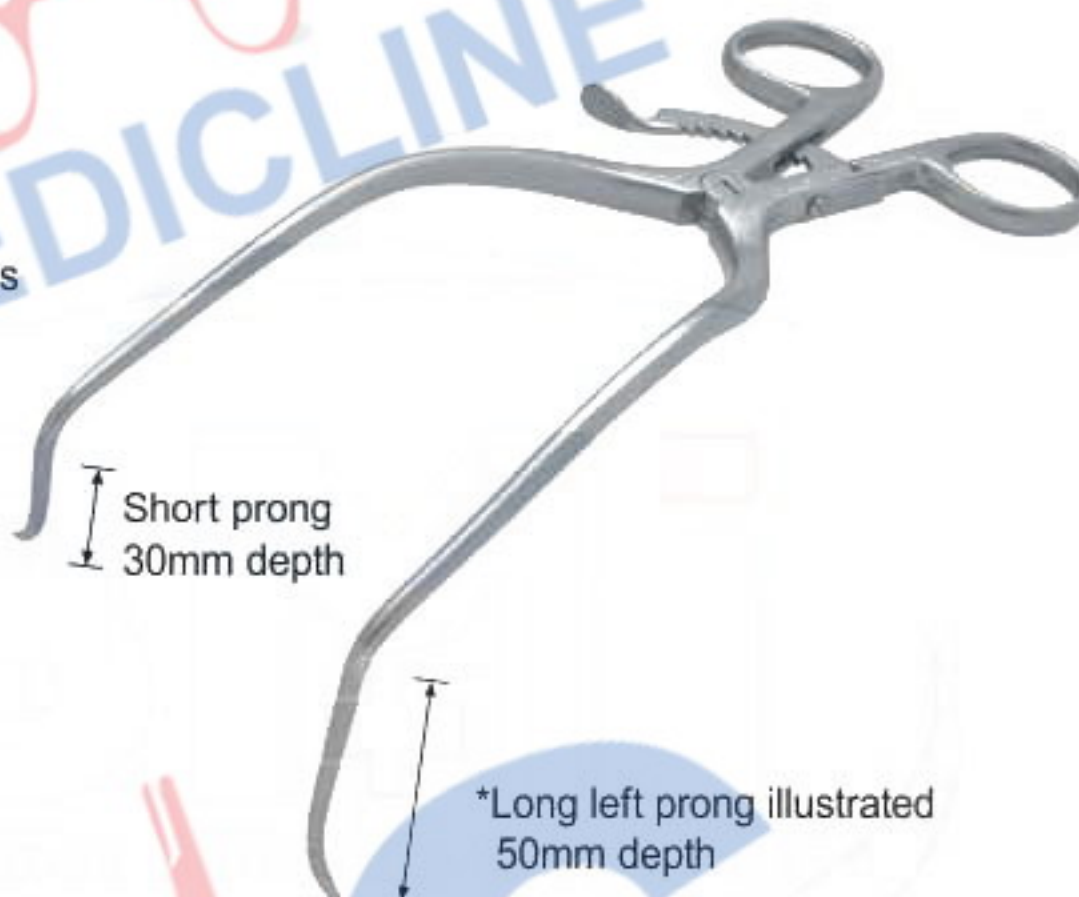
		Prong depth
18.5cm/7 ¹ / ₄ "	TC20-571	30mm
19.5cm/7 ³ / ₄ "	TC20-572	50mm
20cm/8"	TC20-573	70mm



Hardman Retractor

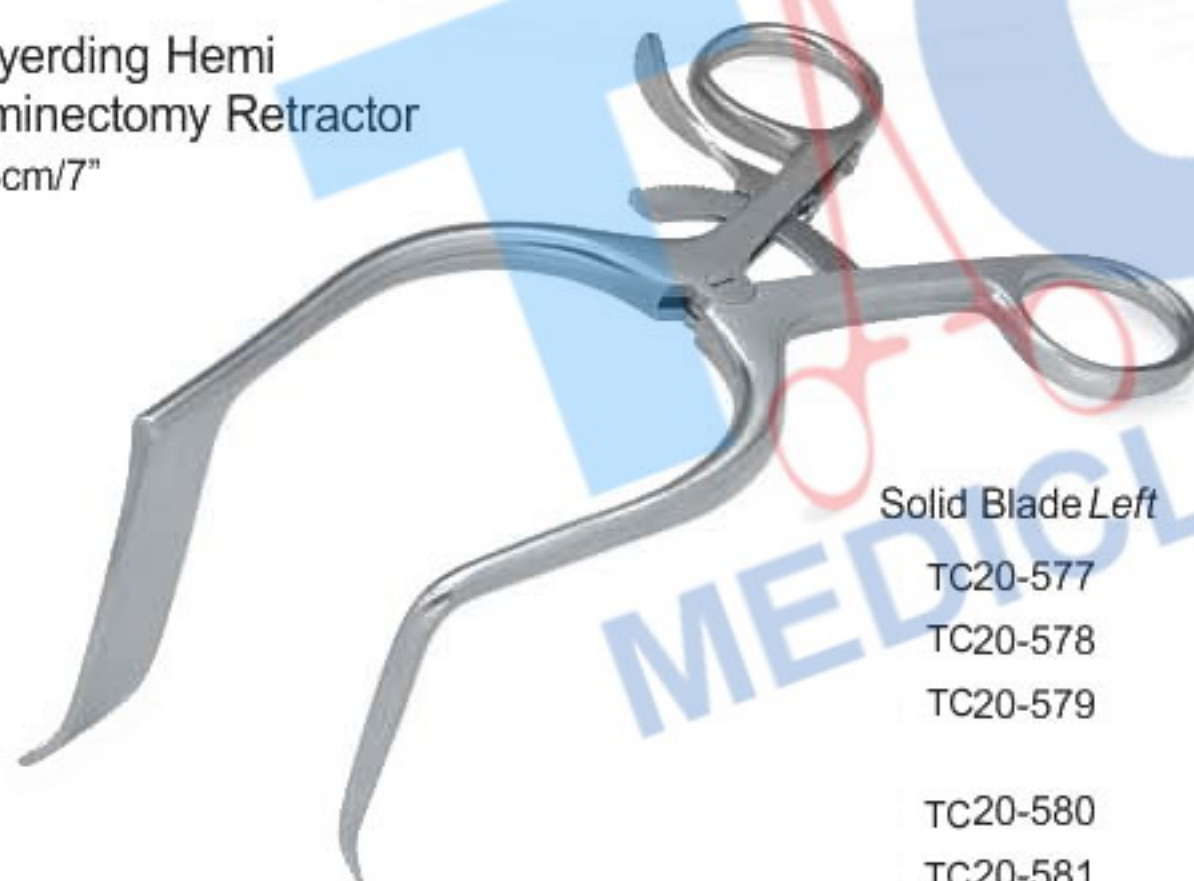
- 20cm/8"

	Prong depth
TC20-574	50mm equal prongs
TC20-575	long prong - Left*
TC20-576	long prong - Right



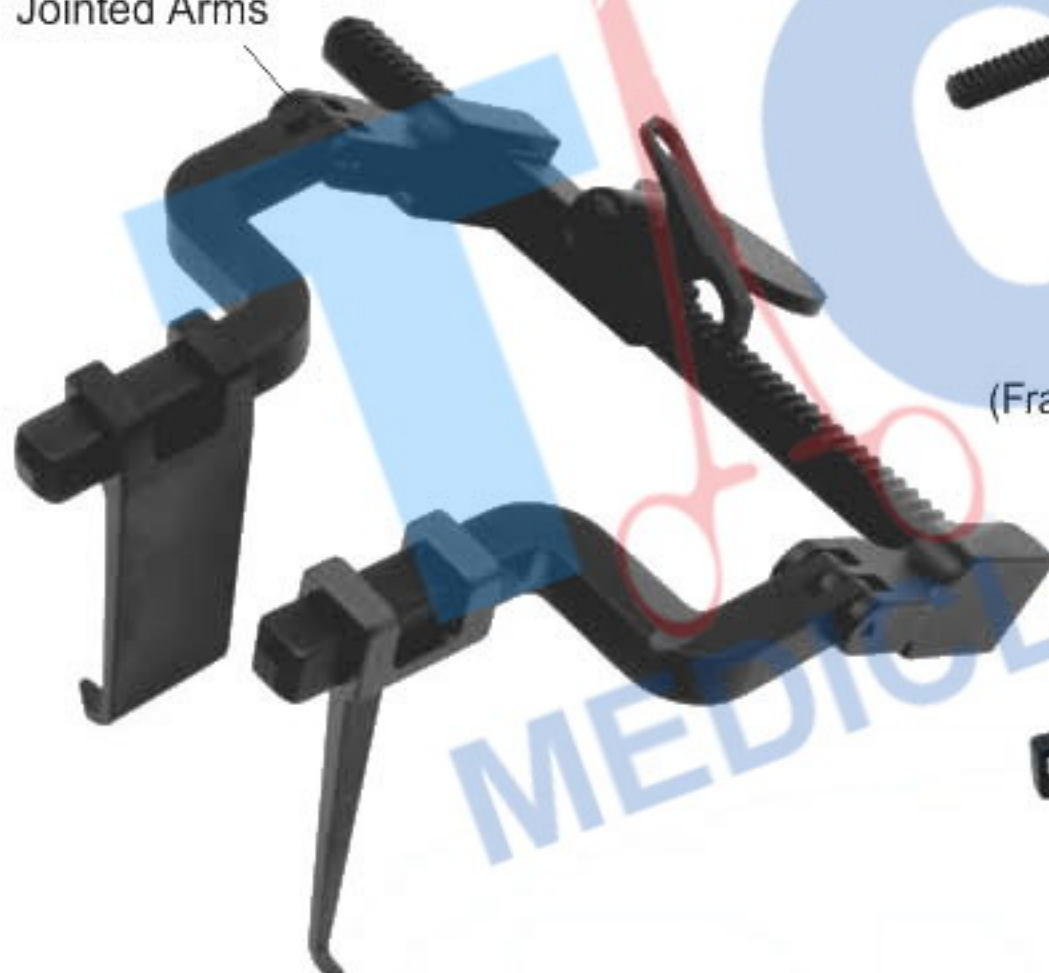
Meyerding Hemi Laminectomy Retractor

- 18cm/7"



Solid Blade Left	Blade Size	Solid Blade Right	
TC20-577	50 x 10mm	BM20-583	Narrow Blade
TC20-578	60 x 10mm	BM20-584	
TC20-579	70 x 10mm	BM20-585	
TC20-580	50 x 20mm	BM20-586	Wide Blade
TC20-581	60 x 20mm	BM20-587	
TC20-582	70 x 20mm	BM20-588	

Jointed Arms



Retractor Frame

Jointed arms
Maximum spread 70mm
TC20-589

Retractor Frame

Rigid arms
TC20-590

(Frame available with extra long rack 140mm spread)



Wide Muscle
Blades - 6 Teeth

Extra Deep

27mm width

TC20-591	3cm depth
TC20-592	4cm depth
TC20-593	5cm depth
TC20-594	6cm depth
TC20-595	7cm depth
TC20-596	8cm depth
TC20-597	9cm depth
TC20-598	10cm depth
TC20-599	12cm depth



Hook Blades

TC20-615	2cm depth
TC20-616	3cm depth
TC20-617	4cm depth
TC20-618	5cm depth
TC20-619	6cm depth
TC20-620	7cm depth
TC20-621	8cm depth
TC20-622	9cm depth
TC20-623	10cm depth

Extra Deep



Narrow Muscle
Blades - 4 Teeth

20mm width

Extra Deep

TC20-600	3cm depth
TC20-601	4cm depth
TC20-602	5cm depth
TC20-603	6cm depth
TC20-604	7cm depth
TC20-605	8cm depth
TC20-606	9cm depth
TC20-607	10cm depth
TC20-608	12cm depth



Toothed Blades

TC20-624	2cm depth
TC20-625	3cm depth
TC20-626	4cm depth
TC20-627	5cm depth
TC20-628	6cm depth
TC20-629	7cm depth
TC20-630	8cm depth
TC20-631	9cm depth
TC20-632	10cm depth

Extra Deep



Thin Muscle
Blades - 2 Teeth

17mm width

TC20-609	3cm depth
TC20-610	4cm depth
TC20-611	5cm depth
TC20-612	6cm depth
TC20-613	7cm depth
TC20-614	8cm depth

Cobbs Spinal Elevator

26cm/10 1/4" length

Width

TC20-633 12mm

TC20-634 19mm



Spinal Osteotome

22cm/8 1/2" length

Width

TC20-635 4mm

TC20-636 6mm



'Hockey Stick' Chisel

5mm Width

22cm/8 1/2" length

TC20-637 Curved right

TC20-638 Curved left



Elevator Double Ended

24cm/9 3/4" length

TC20-639



McCulloch Suction Tube

23cm/9" length

Fenestrated tip

FG

Diameter

TC20-640 6FG 2.0mm Ø

TC20-641 7FG 2.3mm Ø

TC20-642 9FG 3.0mm Ø

TC20-643 12FG 4.0mm Ø



McCulloch Nerve Root Retractor

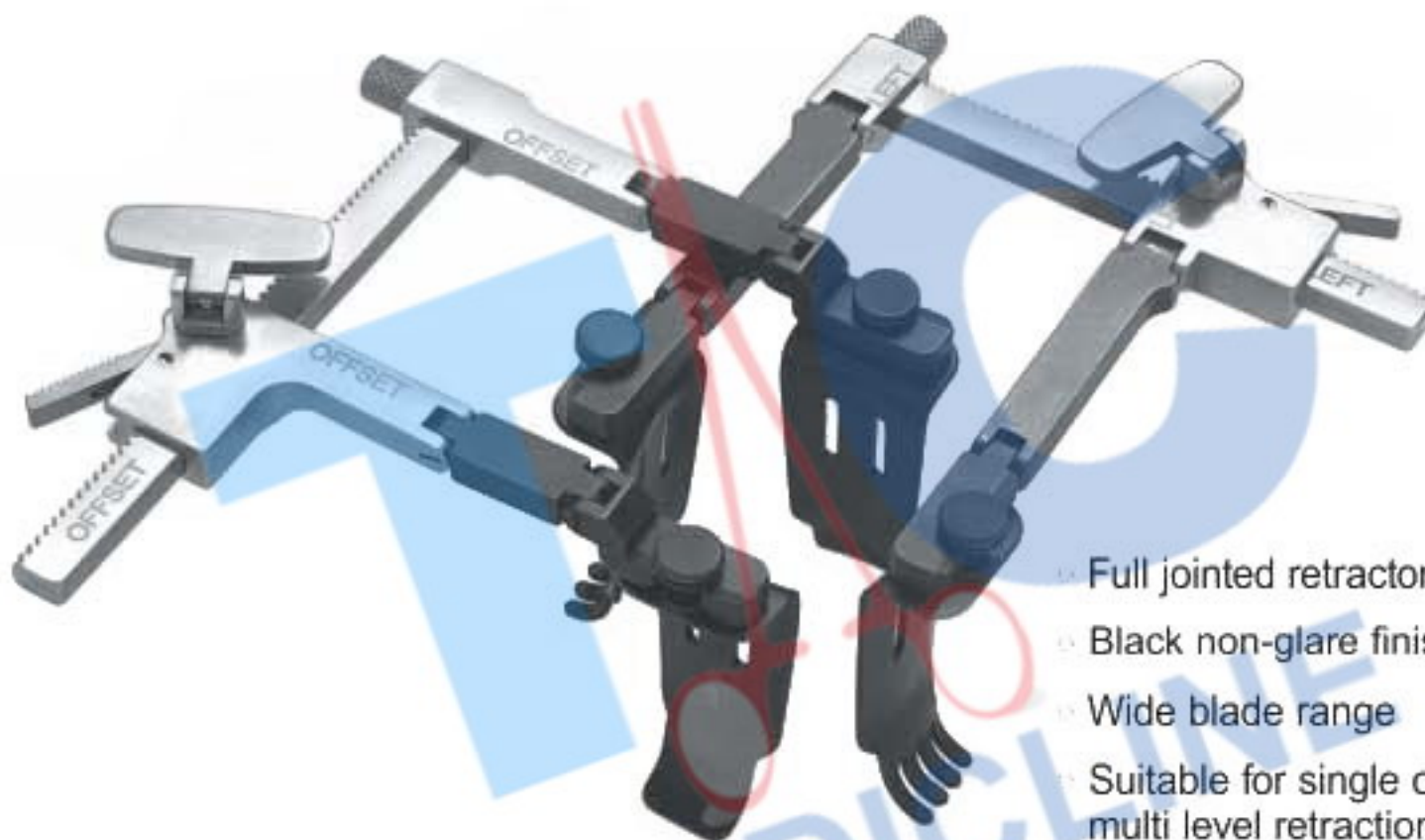
90° Angled

6mm tip

12.5cm/5" working length

TC20-644





- Full jointed retractor arms
- Black non-glare finish
- Wide blade range
- Suitable for single or multi level retraction

Blades

- The blade shape is designed to resist climbing out of the surgical site
- The wider two level blades have an extra bend near the tip which follows the contour of the vertebrae for visualising



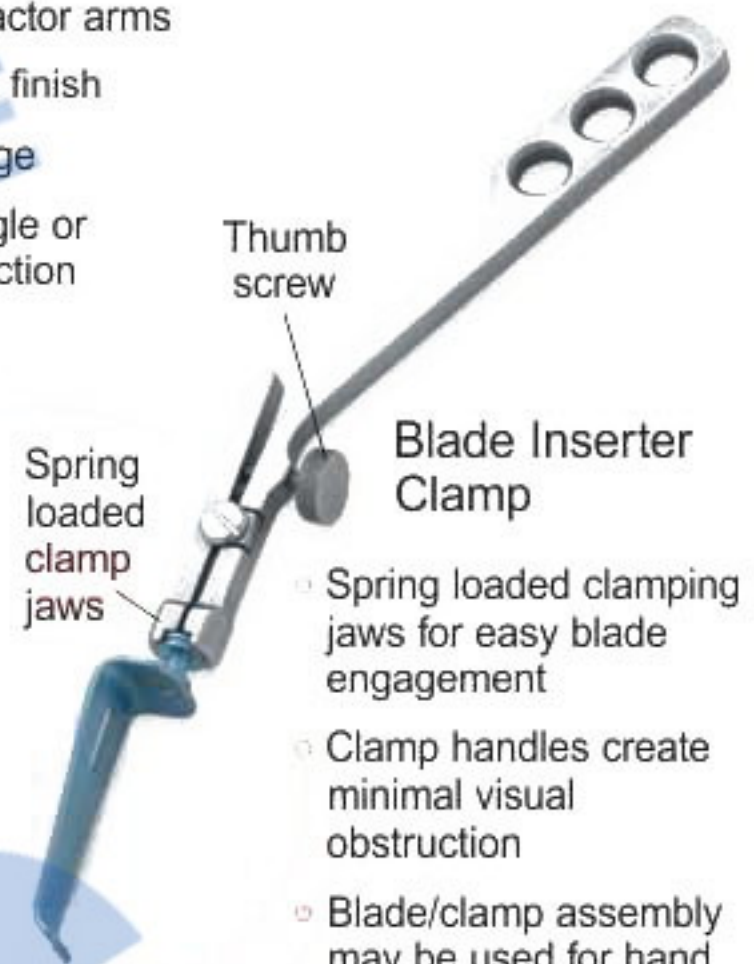
27mm wide
two level
Pronged
blade

27mm wide
two level
blade

22mm
wide
Pronged
blade

22mm
wide
Blunt
blade

17mm wide optional
narrow Cervical
blades 40mm to
60mm depth

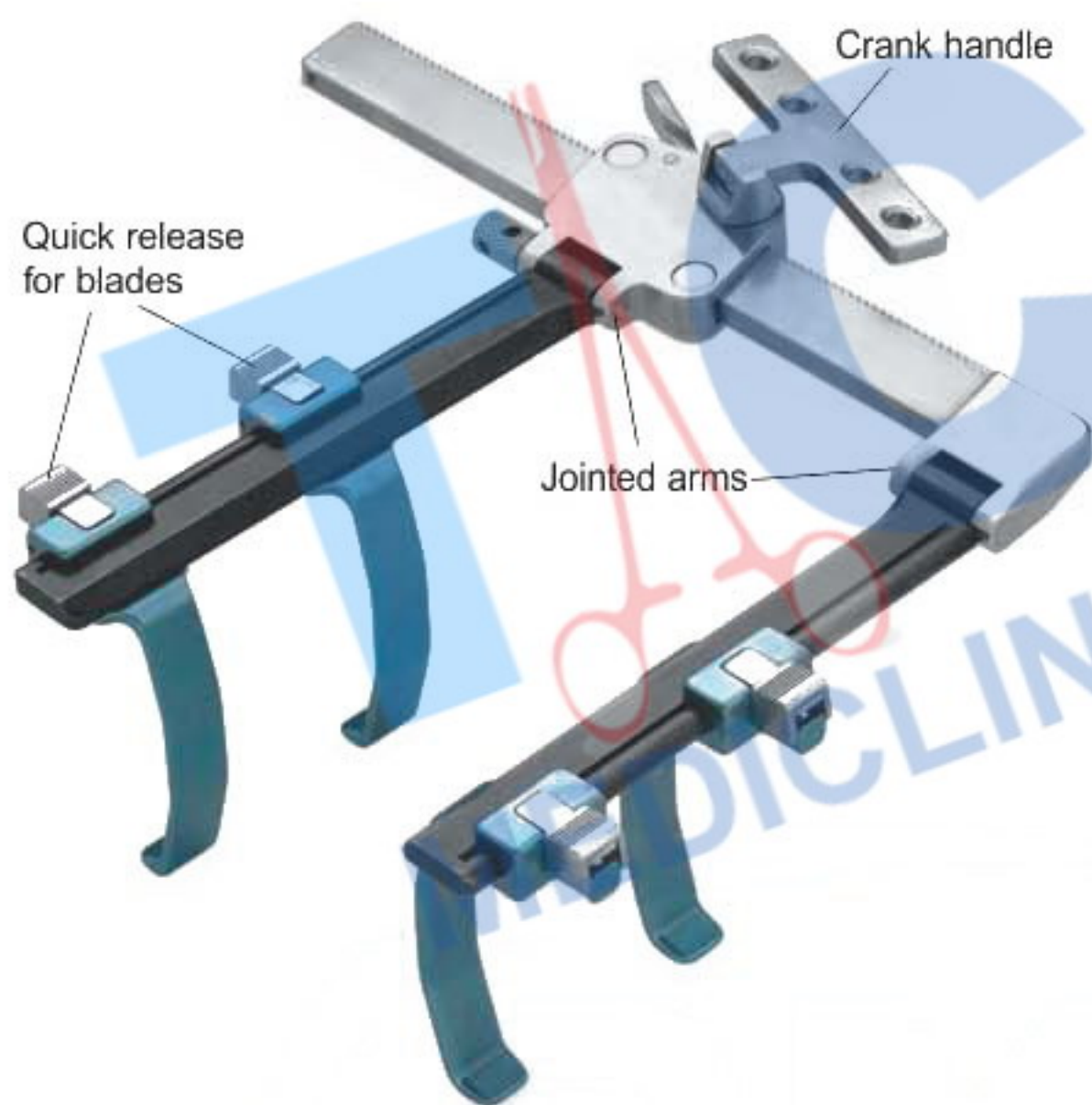


Thumb
screw

Blade Inserter
Clamp

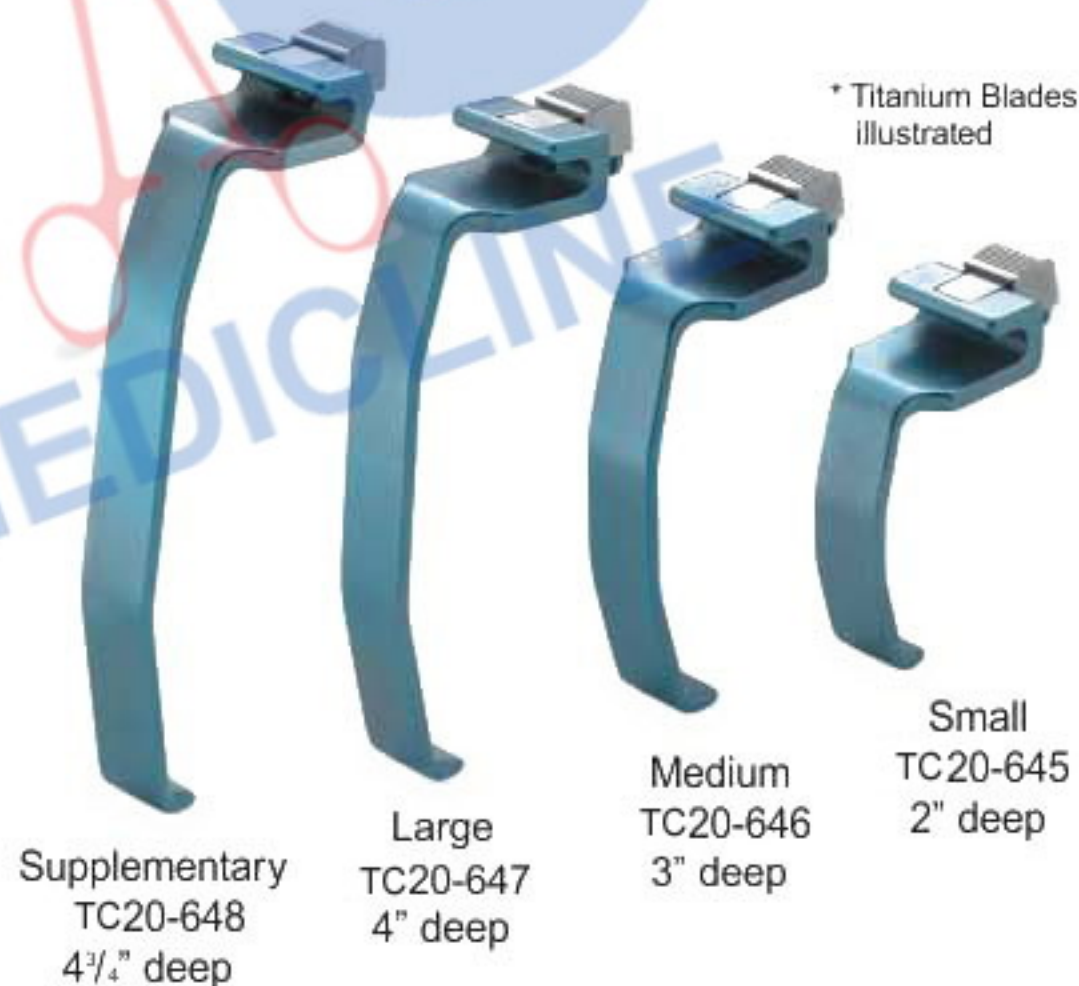
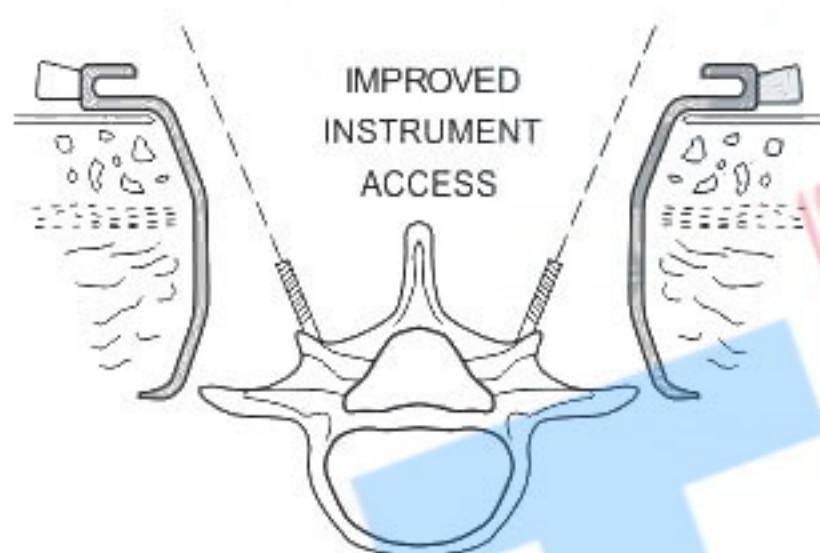
Spring
loaded
clamp
jaws

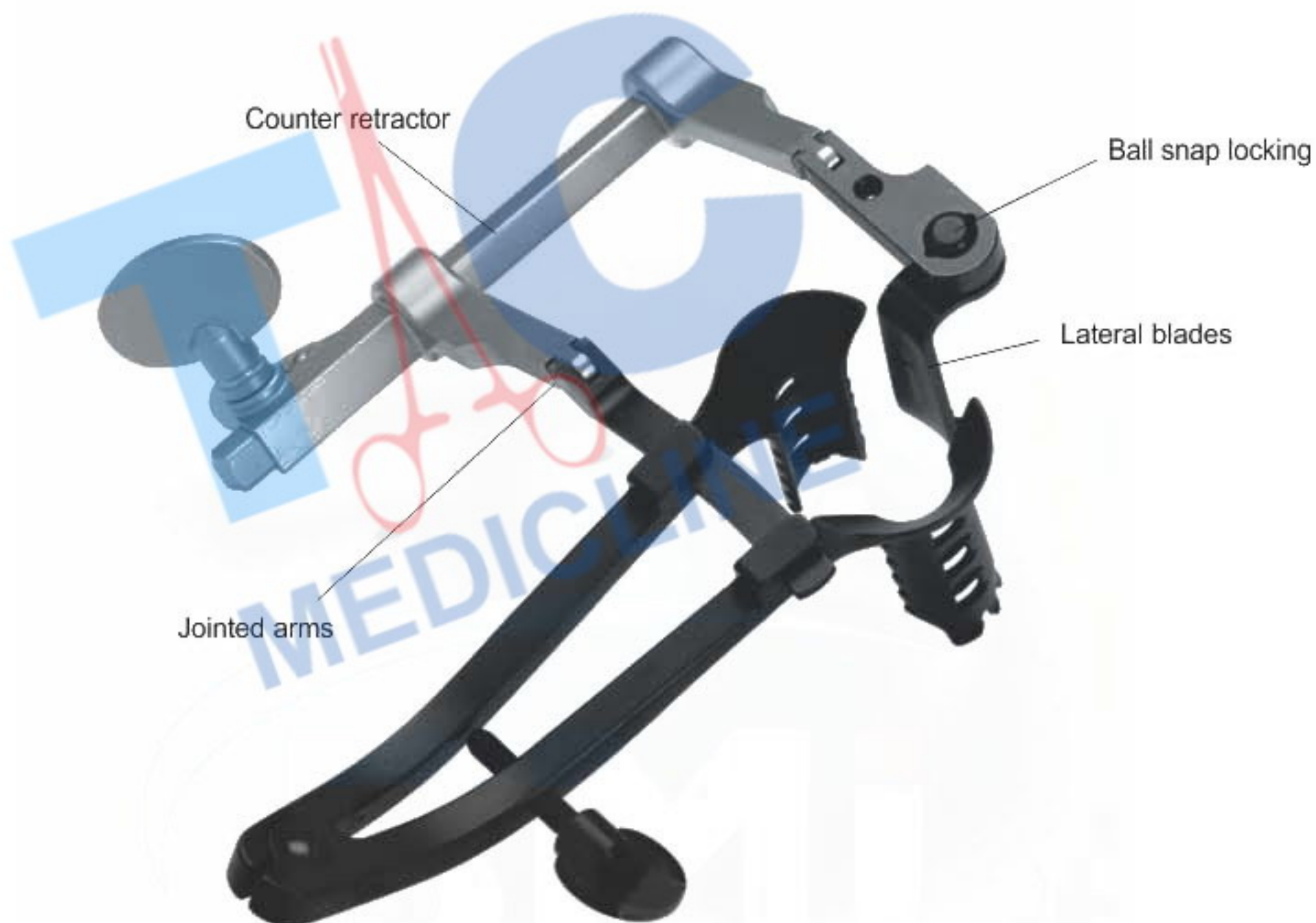
- Spring loaded clamping jaws for easy blade engagement
- Clamp handles create minimal visual obstruction
- Blade/clamp assembly may be used for hand retraction
- Clamps are quickly/easily removed after retractor arms have securely engaged the blades



Super-Slide Retractor Blades

- Will not slip out of wound during surgery
- Narrow blade design minimizes potential of tissue necrosis at blade and tissue contact point
- Blades feature quick release locking system





Caspar Micro Discectomy Retractor

- This Retractor Set allows a micro surgery approach to Lumbar Disc
- Specula have a black surface finish to prevent glare
- Fenestrated blades on the specula reduce the risk of movement during surgery

Complete Set

TC20-649

Consisting of:

Lateral Blades	Depth	Specula	Depth
TC20-650	40mm	TC20-657	40mm
TC20-651	45mm	TC20-658	45mm
TC20-652	50mm	TC20-659	50mm
TC20-653	55mm	TC20-660	55mm
TC20-654	60mm	TC20-661	60mm
TC20-655	65mm	TC20-662	65mm
TC20-656	70mm	TC20-663	70mm

TC20-664 Counter Retractor Frame
TC20-665 Blade Ejector Forceps



Lateral Blades

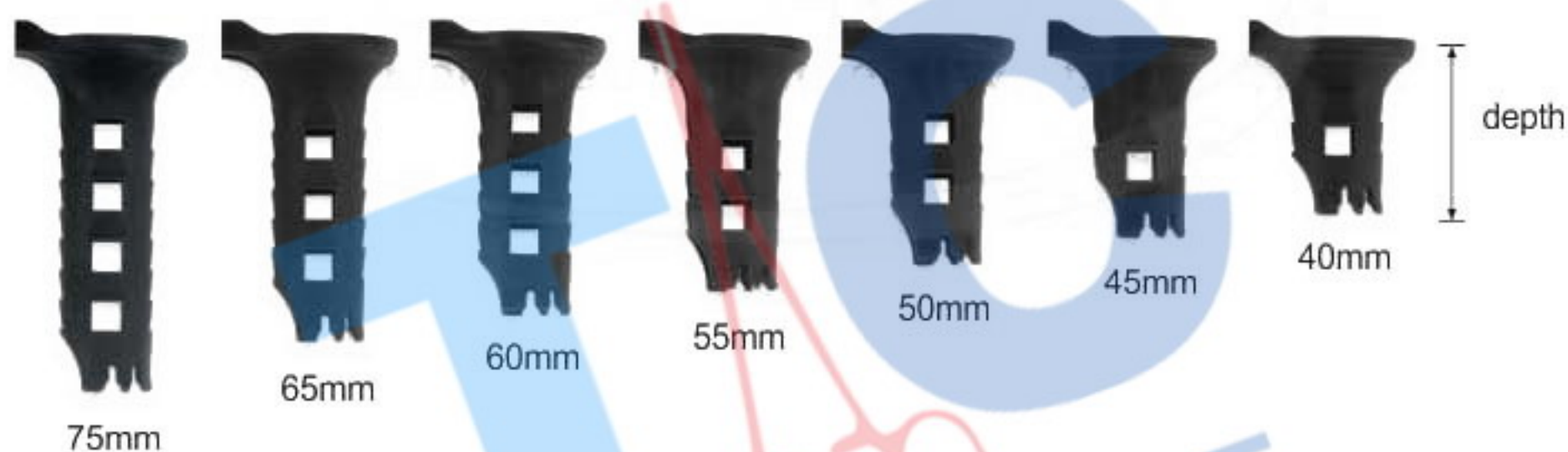


Blade Ejector Forceps

TC20-666



Specula Range



Caspar Micro Discectomy Retractor Frame

TC20-667



Yasargil Bayonet Micro Needle Holder

- Flat Handled
- Delicate 1mm Jaws



With Lock	Straight	Curved	Without Lock	Straight	Curved
23cm/9"	TC20-668	TC20-669	23cm/9"	TC20-670	TC20-671

Bayonet Micro Needle Holder

- Round Bodied
- Delicate 1mm Jaws



With Lock	Straight	Curved	Without Lock	Straight	Curved
21cm/8 1/4"	TC20-672	TC20-674	21cm/8 1/4"	TC20-676	TC20-678
23cm/9"	TC20-673	TC20-675	23cm/9"	TC20-677	TC20-679

Yasargil Bayonet Micro Forceps

- Flat Handled
- Blunt 1mm Tips



22.5cm/8 1/4"	TC20-680
24cm/9 1/2"	TC20-681

Yasargil Bayonet Micro Scissors

- Flat Handled
- 22.5cm/8 3/4" length



Standard Blade



Straight
TC20-682



Curved
TC20-683

Vannas Blade



Straight
TC20-684

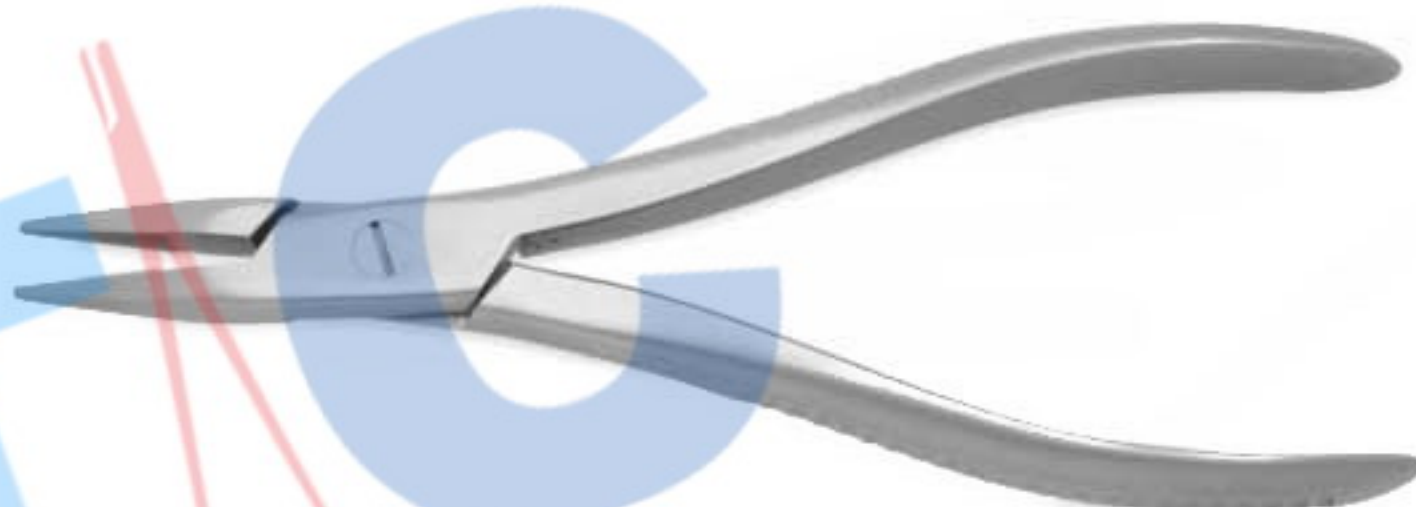


Curved
TC20-685

Slim Nose Wire Twisters

19cm/7 1/2"

TC20-686



Orthopaedic Locking Grips

Hardened jaws



Length

TC20-687	18cm/7"	Small
TC20-688	20cm/8"	Medium
TC20-689	24cm/9 1/2"	Large

Combined Wire Cutter & Pliers

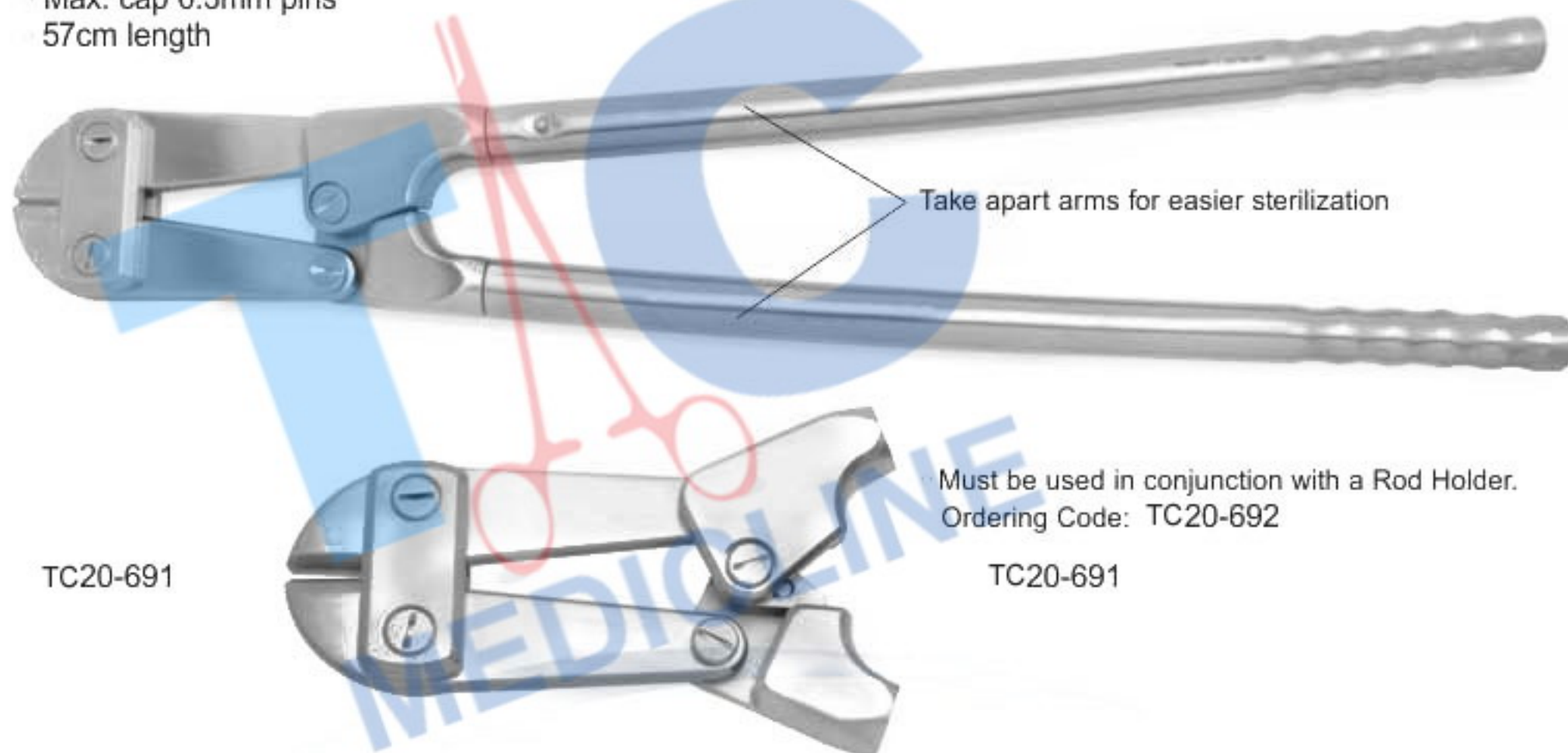
18cm/7"
Suitable for wires up to 1.6mm

TC20-690



Bolt Cutters with dismantable arms

- Max. cap 6.3mm pins
- 57cm length



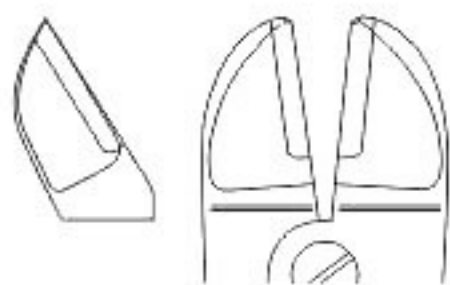
TC20-691

Must be used in conjunction with a Rod Holder.
Ordering Code: TC20-692

TC20-691

Muller-Claus Wire Cutters

- Tungsten Carbide Jaws
- Double Action



Length

- | | | |
|----------|--------------------------------------|---------------------------------------|
| TC20-693 | 18cm/7" | Suitable for wires up to 2mm diameter |
| TC20-694 | 22cm/8 ³ / ₄ " | Suitable for wires up to 3mm diameter |



Needle Nosed Locking Pliers

Length

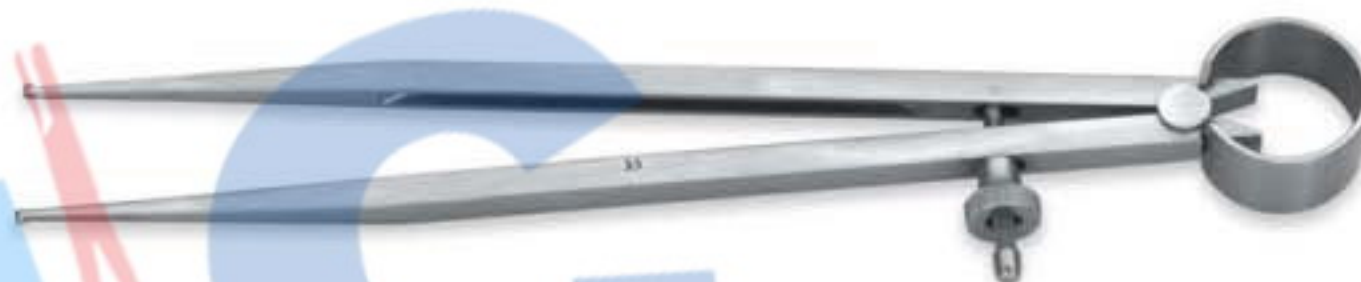
- | | | |
|----------|---------------------------------------|--------|
| TC20-695 | 22cm/8 ³ / ₄ " | Small |
| TC20-696 | 25cm/9 ³ / ₄ " | Medium |
| TC20-697 | 30cm/11 ³ / ₄ " | Large |

A very useful instrument for orthopaedic surgery allowing the surgeon to securely clamp on to wires and implants.



Measuring Caliper
25cm/10"

TC20-698



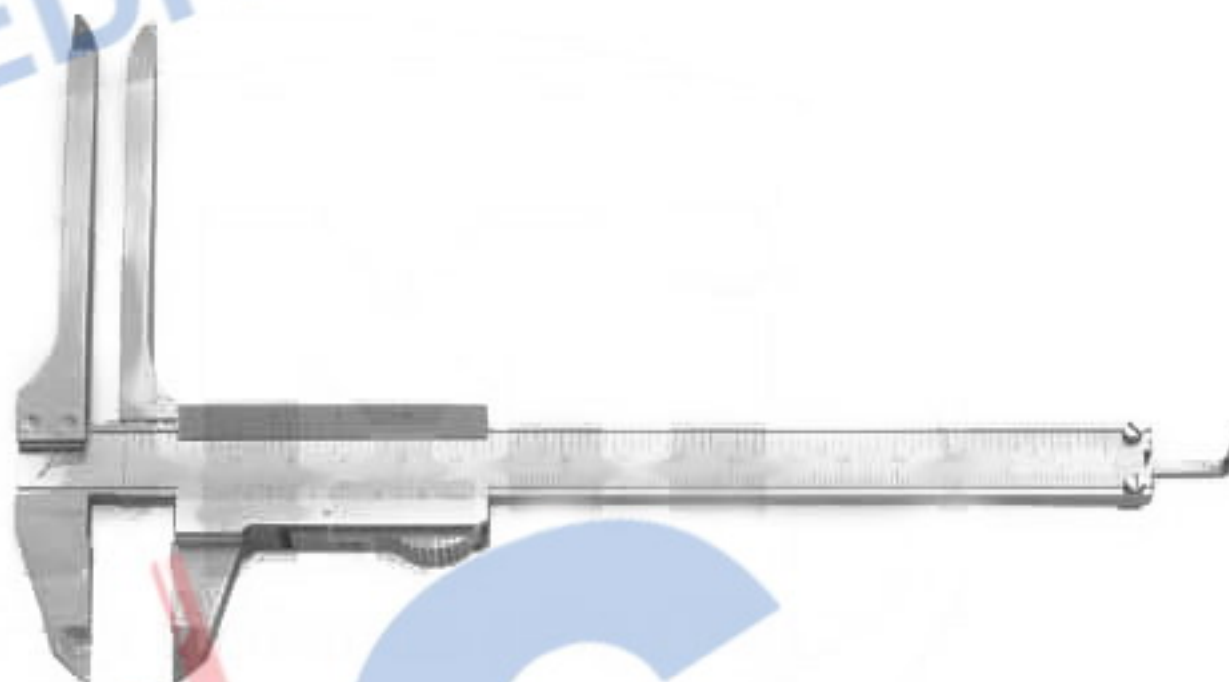
Castroviejo Caliper
7cm/2 3/4"
Measuring range 3mm to 25mm

TC20-699



Vernier Caliper
22.5cm/9"
Measuring range 15cm

TC20-700



Depth Gauge
Measuring depth up to 50mm

TC20-701



Depth Gauge
Measuring depth up to 70mm

TC20-702



Direct Reading Depth Gauge
23cm length
Measuring range 0.5 to 40mm

TC20-703



Frazier Suction Tube

17cm/6 ³/₄"



TC20-704	6FG	2.0mm
TC20-705	7FG	2.3mm
TC20-706	8FG	2.7mm
TC20-707	9FG	3.0mm
TC20-708	10FG	3.3mm
TC20-709	11FG	3.7mm
TC20-710	12FG	4.0mm

Frazier Suction Tube

23cm/9"



TC20-711	6FG	2.0mm
TC20-712	7FG	2.3mm
TC20-713	8FG	2.7mm
TC20-714	9FG	3.0mm
TC20-715	10FG	3.3mm
TC20-716	11FG	3.7mm
TC20-717	12FG	4.0mm

Bayonet Dissecting Forceps



19cm/7 ¹ / ₂ "	Tip Size
TC20-718	1mm
TC20-719	2mm
21cm/8 ¹ / ₂ "	Tip Size
TC20-720	1mm
TC20-721	2mm



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