

*Miltex*  
Redefining Excellence



**SUPERCUT & TUNGSTEN CARBIDE INSTRUMENTS**





## INTRODUCTION

The Miltex name is synonymous with premium surgical instrumentation. Manufactured of the highest quality stainless steel forgings by skilled German craftsmen to exacting specifications.

The surgical “feel” of our instruments, the superb cutting ability, the smoothly beveled box locks and jaw edges which protect suture material from snags or cutting are just a few features that differentiate and make Miltex products outperform and stand-out from the competition.

These premium SuperCut and Tungsten Carbide instruments include a comprehensive offering of scissors, needle holders, forceps, rasps and other specialty patterns. Our instrument selections recognize and meet the variety of clinical needs for all specialties including General Surgery, Plastic Surgery, Dermatology, Ophthalmology, Dentistry, Veterinary and many more.



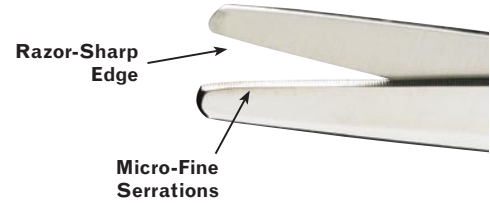
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## MILTEX® SUPERCUT SCISSORS

SuperCut Scissors have a specially designed razor-sharp upper blade edge that cuts effortlessly through tissue. The lower blade has micro-fine serrations to hold tissue and prevent slippage. For easy identification, Miltex SuperCut Scissors have two black ring handles.

*SuperCut scissors are designed to cut tissue only. Dropping or mishandling will cause the razor-sharp edge to nick or become irregular. Proper handling will ensure lifetime service. Resharpening at regular intervals is recommended and is a service that Miltex® provides.*

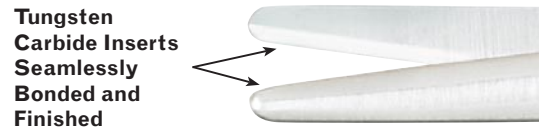


## MILTEX® CARB-N-SERT® SCISSORS\*

Carb-N-Sert® Scissors have Tungsten Carbide inserts seamlessly bonded to the upper and lower blades. These premium-grade scissors offer precision cutting performance as well as the durability of Tungsten Carbide cutting edges.

Carb-N-Sert® Scissors represent a considerable cost savings to the clinician as a result of consistently superior performance and extended service life.

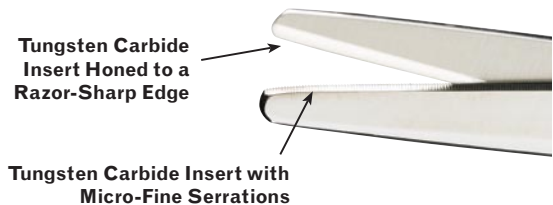
Miltex Carb-N-Sert® Scissors are easily identified by their gold ring handles.



## SUPERCUT/CARB-N-SERT® SCISSORS\*

The combination SuperCut/Carb-N-Sert® Scissors by Miltex offer precision SuperCut performance with one lower serrated blade and one upper razor-sharp blade combined with the durability of Tungsten Carbide cutting edges.

SuperCut/Carb-N-Sert® Scissors are easily identified with one short and one long gold-plated ring handle.



\* Note: cold or chemical sterilization is not recommended for Tungsten Carbide instruments.

## ANATOMY OF MILTEX® SCISSORS



### CHOICE OF BLADES

Carb-N-Sert® (Tungsten Carbide)  
SuperCut  
SuperCut/Carb-N-Sert® combination

### BLADE DESIGN

Tungsten Carbide inserts are seamlessly bonded to the finest quality stainless steel surgical scissors and then precisely ground and honed on diamond wheels.

SuperCut scissors have a finely beveled blade with a razor-sharp edge and opposing blade with micro-fine serrations to prevent tissue slippage and facilitate effortless cutting.

### STRENGTH & HARDNESS

Manufactured to ensure greater Rockwell hardness for instrument durability and longer-lasting blade edge sharpness.

### SCREW LOCK

Fully tempered precision screw locks maintain perfect alignment.

### LASER ETCHING

All Miltex scissors are laser etched with our logo and catalog number for easy re-ordering. Advanced laser techniques are used and will not harm or damage the instrument as did older and traditional acid etching techniques.

### ERGONOMIC DESIGN

Outstanding instrument design combines weight, balance and feel for optimal comfort and performance.

### RING HANDLES

Well rounded and polished for better "feel and comfort" as well as prevention of hand fatigue. Gold and black finished handles differentiate Tungsten Carbide and SuperCuts as precision instruments.

## Operating Scissors

General utility scissors with sharp-blunt and blunt-blunt tips are ideal for cutting suture, gauze, tubing, etc. The sharp-sharp patterns are also used for general utility applications but preferred for cutting tendons and cartilage. *Note: SuperCut scissors are not recommended for use on suture, gauze or tubing.*

REF	Description	Tip	Type	Length
5-6TC	straight	sharp/sharp	Carb-N-Sert®	5-1/2" (14 cm)
5-16TC	straight	sharp/blunt	Carb-N-Sert®	5-1/2" (14 cm)
5-SC-16	straight	sharp/blunt	SuperCut	5-1/2" (14 cm)
5-26TC	straight	blunt/blunt	Carb-N-Sert®	5-1/2" (14 cm)
5-36TC	curved	sharp/sharp	Carb-N-Sert®	5-1/2" (14 cm)
5-46TC	curved	sharp/blunt	Carb-N-Sert®	5-1/2" (14 cm)
5-SC-46	curved	sharp/blunt	SuperCut	5-1/2" (14 cm)
5-56TC	curved	blunt/blunt	Carb-N-Sert®	5-1/2" (14 cm)





## Iris Scissors

Popular sharp/sharp scissors offer outstanding distal cutting capability of tissue and suture. *Note: SuperCut scissors are not recommended for use on suture material.*

REF	Description	Tip	Type	Length
5-304TC	straight	sharp	Carb-N-Sert®	4-1/2" (11.4 cm)
5-SC-304	straight	sharp	SuperCut	4-1/2" (11.4 cm)
5-SC-304TC	straight	sharp	combination SuperCut/Carb-N-Sert®	4-1/2" (11.4 cm)
5-306TC	curved	sharp	Carb-N-Sert®	4-1/2" (11.4 cm)
5-SC-306	curved	sharp	SuperCut	4-1/2" (11.4 cm)
5-SC-306TC	curved	sharp	combination SuperCut/Carb-N-Sert®	4-1/2" (11.4 cm)



5-304TC  
5-306TC



5-SC-304  
5-SC-306



5-SC-304TC  
5-SC-306TC

## STEVENS Tenotomy Scissors

The delicate blade design tapers for fine tissue penetration and dissection. Tenotomy scissors are excellent for general, facial, ophthalmic, dermatological and hand surgery procedures.

REF	Description	Tip	Type	Length
18-SC-1470	straight	sharp	SuperCut	4-1/2" (11.4 cm) <b>NEW!</b>
18-SC-1472	straight	blunt	SuperCut	4-1/2" (11.4 cm)
18-SC-1474	curved	sharp	SuperCut	4-1/2" (11.4 cm) <b>NEW!</b>
18-SC-1476	curved	blunt	SuperCut	4-1/2" (11.4 cm)



18-SC-1470  
18-SC-1474



18-SC-1472  
18-SC-1476

**MAYO Scissors (with standard beveled blades)**

Sturdy, durable and reliable scissors. The robust and heavier design is used to precisely cut and dissect tough, thick and muscular tissue.

REF	Description	Tip	Type	Length
5-SC-120	straight	blunt	SuperCut	5-1/2" (14 cm)
5-120TC	straight	blunt	Carb-N-Sert®	5-1/2" (14 cm)
5-SC-122	curved	blunt	SuperCut	5-1/2" (14 cm)
5-122TC	curved	blunt	Carb-N-Sert®	5-1/2" (14 cm)
5-SC-124	straight	blunt	SuperCut	6-3/4" (17.1 cm)
5-124TC	straight	blunt	Carb-N-Sert®	6-3/4" (17.1 cm)
5-SC-126	curved	blunt	SuperCut	6-3/4" (17.1 cm)
5-126TC	curved	blunt </td <td>Carb-N-Sert®</td> <td>6-3/4" (17.1 cm)</td>	Carb-N-Sert®	6-3/4" (17.1 cm)
5-SC-128	straight	blunt	SuperCut	9" (22.9 cm)
5-128TC	straight	blunt	Carb-N-Sert®	9" (22.9 cm)
5-SC-130	curved	blunt	SuperCut	9" (22.9 cm)
5-130TC	curved	blunt	Carb-N-Sert®	9" (22.9 cm)



5-SC-120 thru 5-SC-130



5-120TC thru 5-130TC

**MAYO Scissors (with rounded blades)**

Reinforced rounded blades provide additional strength and durability when used to cut or dissect the very toughest tissue.

REF	Description	Tip	Type	Length
5-136TC	straight	blunt	Carb-N-Sert®	5-1/2" (14 cm)
5-138TC	curved	blunt	Carb-N-Sert®	5-1/2" (14 cm)
5-140TC	straight	blunt	Carb-N-Sert®	6-3/4" (17.1 cm)
5-142TC	curved	blunt	Carb-N-Sert®	6-3/4" (17.1 cm)



**METZENBAUM Scissors, (standard pattern with blunt tips)**

This very popular and versatile pattern features gently rounded tips for dissection. A light and perfectly balanced design precisely cuts either tough or delicate tissue.

REF	Description	Tip	Type	Length
5-179TC	(LAHEY) straight	blunt	Carb-N-Sert®	5-1/2" (14 cm)
5-SC-179	(LAHEY) straight	blunt	SuperCut	5-1/2" (14 cm) <b>NEW!</b>
5-180TC	(LAHEY) curved	blunt	Carb-N-Sert®	5-1/2" (14 cm)
5-SC-180	(LAHEY) curved	blunt	SuperCut	5-1/2" (14 cm)
5-SC-283	straight	blunt	SuperCut	4-1/2" (11.4 cm)
5-SC-284	curved	blunt	SuperCut	4-1/2" (11.4 cm)



5-179TC  
5-180TC



5-SC-179  
5-SC-180



5-SC-283  
5-SC-284

**METZENBAUM Scissors, (standard pattern with blunt tips), continued**

Choose from six lengths to accommodate deep cavity surgical needs.

REF	Description	Tip	Type	Length
5-181TC	straight	blunt	Carb-N-Sert®	7" (17.8 cm)
5-182TC	curved	blunt	Carb-N-Sert®	7" (17.8 cm)
5-SC-182	curved	blunt	SuperCut	7" (17.8 cm)
5-SC-182TC	curved	blunt	Combination SuperCut/Carb-N-Sert®	7" (17.8 cm)
5-184TC	curved	blunt	Carb-N-Sert®	8" (20.3 cm)
5-186TC	straight	blunt	Carb-N-Sert®	9" (22.9 cm)
5-188TC	curved	blunt	Carb-N-Sert®	9" (22.9 cm)
5-SC-188	curved	blunt	SuperCut	9" (22.9 cm)
5-189A-TC	curved	blunt	Carb-N-Sert®	10" (25.4 cm)
5-192TC	curved	blunt	Carb-N-Sert®	11" (27.9 cm)
5-193A-TC	curved	blunt <td>Carb-N-Sert®</td> <td>12" (30.5 cm)</td>	Carb-N-Sert®	12" (30.5 cm)



5-181TC  
5-182TC  
5-184TC  
5-186TC  
5-188TC  
5-189A-TC  
5-192TC  
5-193A-TC

5-SC-182TC

5-SC-182  
5-SC-188

**METZENBAUM Scissors, (delicate pattern with blunt & sharp tip options)**

These feature a lighter and more delicate blade design with blunt or sharp tip options.

REF	Description	Tip	Type	Length
5-179A-TC	straight	delicate, blunt	Carb-N-Sert®	5-1/2" (14 cm)
5-179B-TC	straight	delicate, sharp	Carb-N-Sert®	5-1/2" (14 cm)
5-180A-TC	curved	delicate, blunt	Carb-N-Sert®	5-1/2" (14 cm)
5-180B-TC	curved	delicate, sharp	Carb-N-Sert®	5-1/2" (14 cm)
5-181A-TC	straight	delicate, blunt	Carb-N-Sert®	7" (17.8 cm)
5-181B-TC	straight	delicate, sharp	Carb-N-Sert®	7" (17.8 cm)
5-182A-TC	curved	delicate, blunt	Carb-N-Sert®	7" (17.8 cm)
5-182B-TC	curved	delicate, sharp	Carb-N-Sert®	7" (17.8 cm)
5-187TC	straight	delicate, blunt	Carb-N-Sert®	9" (22.9 cm)
5-189TC	curved	delicate, blunt	Carb-N-Sert®	9" (22.9 cm)



5-179A-TC  
5-180A-TC  
5-181A-TC  
5-182A-TC  
5-187-TC  
5-189-TC

5-179B-TC  
5-180B-TC  
5-181B-TC  
5-182B-TC

## Miscellaneous General & Specialty Scissors

### STRABISMUS Scissors

This pattern is a smaller and more delicate version of a "Baby Metzenbaum". Rounded tips are useful for small delicate dissection during plastic and general surgery.

### GOLDMAN-FOX Scissors

A longer and slightly heavier version of the Tenotomy scissors. Has one-serrated blade for optimum tissue grip and ideal for wound debridement and other precise dissection of delicate tissue.

### PLASTIC SURGERY Scissors

General purpose plastic surgery scissors are a longer and slightly heavier version of the "Iris Scissors". These general purpose scissors are also useful in nasal surgery.

### RAGNELL Scissors

The blunt and flattened tip design is ideal for controlled undermining and precise tissue dissection.

### GRADLE Scissors

This is a very popular pattern for Dermatology and Ophthalmology applications. The delicate "Tenotomy-like" tips are ideal for cutting skin tags and delicate dissection.

REF	Description	Blades/Tip	Type	Length
5-312TC	STRABISMUS	straight, blunt	Carb-N-Sert®	4-1/2" (11.4 cm)
5-314TC	STRABISMUS	curved, blunt	Carb-N-Sert®	4-1/2" (11.4 cm)
5-320TC	GOLDMAN-FOX	curved, blunt	Carb-N-Sert®	5" (12.7 cm)
5-SC-320	GOLDMAN-FOX	curved, blunt	SuperCut	5" (12.7 cm)
5-SC-270	PLASTIC SURGERY	straight, sharp	SuperCut	4-3/4" (12.1 cm) <b>NEW!</b>
5-SC-276	PLASTIC SURGERY	curved, sharp	SuperCut	4-3/4" (12.1 cm) <b>NEW!</b>
5-SC-290	RAGNELL (KILNER)	curved, blunt	SuperCut	5" (12.7 cm) <b>NEW!</b>
18-SC-1652	GRADLE	curved, blunt	Supercut	3-3/4" (9.5 cm)



## GORNEY Scissors

The Gorney & Gorney-Freeman scissors are a heavier pattern when compared to the Kaye and Kaye-Freeman scissors and are ideal for Face Lift and general surgery procedures. The saber-back blades with semi-sharp outer edges combined with the flattened tip allow for effortlessly passing through and undermining tissue on the face, neck, etc. The flattened and delicate blunt tips facilitate precision dissection and eliminate potential for "buttonholing".

REF	Description	Tip	Type	Length
21-SC-607	Gorney Rhytidectomy	straight	SuperCut	7-1/2" (19 cm) <b>NEW!</b>
21-SC-608	Gorney Rhytidectomy	curved	SuperCut	7-1/2" (19 cm) <b>NEW!</b>
21-608TC	Gorney Rhytidectomy	curved	Carb-N-Sert®	7-1/2" (19 cm) <b>NEW!</b>

*\* All above scissors have an added single-serrated blade feature*





## GORNEY-FREEMAN Scissors

The Gorney-Freeman pattern offers a slightly more defined flat-ended tip and angled-open shanks for optimum control and reduced hand fatigue.

REF	Description	Tip	Type	Length
21-SC-715	Gorney-Freeman	curved	SuperCut	7-1/4" (18.4 cm) <b>NEW!</b>
21-715TC	Gorney-Freeman	curved	Carb-N-Sert®	7-1/4" (18.4 cm) <b>NEW!</b>
21-SC-716	Gorney-Freeman	straight	SuperCut	7-1/4" (18.4 cm) <b>NEW!</b>

\* All above scissors have an added single-serrated blade feature



## KAYE Scissors

The Kaye and Kaye-Freeman scissors are a lighter and delicate option to the Gorney & Gorney-Freeman scissors patterns and are ideal for Face Lift and general surgery procedures. The saber-back blades with semi-sharp outer edges combined with the flattened tip allow for effortlessly passing through and undermining tissue on the face, neck, etc. The flattened and delicate blunt tips facilitate precision dissection and eliminate potential for "buttonholing".

REF	Description	Tip	Type	Length
5-269TC	KAYE Blepharoplasty & Dissecting	curved	Carb-N-Sert®	4-1/2" (11.4 cm) <b>NEW!</b>
21-740TC	KAYE Rhytidectomy & Dissecting	curved	Carb-N-Sert®	5-3/4" (14.6 cm) <b>NEW!</b>
21-742TC	KAYE Rhytidectomy & Dissecting	curved	Carb-N-Sert®	7" (17.8 cm) <b>NEW!</b>

\* All above scissors have an added single-serrated blade feature



## KAYE-FREEMAN Scissors

The Kaye-Freeman pattern has open angled shanks for optimum control and reduced hand fatigue.

REF	Description	Tip	Type	Length
21-710TC	KAYE-FREEMAN	curved	Carb-N-Sert®	7" (17.8 cm) <b>NEW!</b>
21-SC-710	KAYE-FREEMAN	curved	SuperCut	7" (17.8 cm) <b>NEW!</b>
21-SC-711	KAYE-FREEMAN	straight	SuperCut	7" (17.8 cm) <b>NEW!</b>

\* All above scissors have an added single-serrated blade feature



## Specialty Scissors

### SUTURE/WIRE CUTTING Scissors

45 degree angled blades with rounded tips and wire notched blade make these scissors useful for cutting all types of suture and 26 AWG or smaller wire.

### CONVERSE (WILMER) Scissors

Angled blades make them ideal for dissection of Nasal tip cartilage, Conjunctival and General Utility use and application.

### MILTEX Blepharoplasty Scissors

The lower serrated blade with flat tapered tip facilitates precise undermining of delicate tissue and ideal for general, dermal and various plastic surgery applications.

### FOMON Saber-Back Scissors

The saber-back blade with semi-sharp outer edges and flattened tip help cut, dissect and undermine tissue in a variety of applications.

### FOMON Dorsal Scissors

45 degree angled shanks provide optimum visibility during nasal procedures. The strong narrow serrated blade design cuts dorsal cartilage effortlessly.

### PAR Scissors

A lighter and more delicate variation to the Strabismus and Baby Metzenbaum scissors. A great pattern for precision dissecting and cutting of delicate tissue.

REF	Description	Tip	Type	Length
9-124TC	Suture/Wire Cutting	45° angle, one serrated blade	Carb-N-Sert®	4-3/4" (12.1 cm)
18-1440TC	CONVERSE (WILMER)	blades angled on flat, sharp tips	Carb-N-Sert®	4-1/2" (11.4 cm) <b>NEW!</b>
21-537TC	MILTEX Blepharoplasty	curved flat tips, one serrated blade	Carb-N-Sert®	4-1/2" (11.4 cm)
21-SC-600	FOMON Saber-Back	slightly curved blades with semi-sharp outer edges for dissection	SuperCut	5-1/4" (13.3 cm) <b>NEW!</b>
21-604TC	FOMON Dorsal	angled shanks	Carb-N-Sert®	5-1/2" (14 cm)
21-SC-745	PAR Dissecting & Tissue	curved, delicate blades with blunt tip	SuperCut	4-1/2" (11.4 cm) <b>NEW!</b>



9-124TC



18-1440TC



21-537TC



21-SC-600



21-604TC



21-SC-745

## GYN Scissors - Z-Type Hysterectomy & Parametrium

The Miltex® Z-Type Scissors have a precise form and bend to cut tissue lateral to the uterus and are configured to precisely match the Miltex Z-Type Forceps. These scissors feature a robust design which offers lasting sharpness and durability and are ideal for vaginal and abdominal hysterectomy procedures.

REF	Description	Tip	Type	Length	
30-2101TC	Z-Type	Slight Curve	Carb-N-Sert®	9" (22.8 cm)	<b>NEW!</b>
30-2102TC	Z-Type	Curve	Carb-N-Sert®	9" (22.8 cm)	<b>NEW!</b>
30-2103TC	Z-Type	Full Curve	Carb-N-Sert®	9" (22.8 cm)	<b>NEW!</b>
30-2105TC	Z-Type	Slight Curve	Carb-N-Sert®	10-1/2" (26.6 cm)	<b>NEW!</b>
30-2106TC	Z-Type	Curve	Carb-N-Sert®	10-1/2" (26.6 cm)	<b>NEW!</b>
30-2107TC	Z-Type	Full Curve	Carb-N-Sert®	10-1/2" (26.6 cm)	<b>NEW!</b>
30-2109TC	Z-Type	Slight Curve	Carb-N-Sert®	12" (30.4 cm)	<b>NEW!</b>
30-2110TC	Z-Type	Curve	Carb-N-Sert®	12" (30.4 cm)	<b>NEW!</b>
30-2111TC	Z-Type	Full Curve	Carb-N-Sert®	12" (30.4 cm)	<b>NEW!</b>



30-2101TC  
30-2105TC  
30-2109TC



30-2102TC  
30-2106TC  
30-2110TC



30-2103TC  
30-2107TC  
30-2111TC

## ANATOMY OF MILTEX® FORCEPS

The Miltex Repair and Service Team offer extensive instrument refurbishment and Tungsten Carbide jaw replacement services. Contact us for more information.



### CARB-N-SERT® (Tungsten Carbide Tips)

Carb-N-Sert® tips are made of Tungsten Carbide, the hardest steel made for surgical instruments.

Serrations are precision milled into the Tungsten Carbide material forming 4,000 pyramid-shaped teeth per square inch to provide a positive non-slip grip. Tissue forceps have precision formed teeth with perfect alignment to provide a durable and reliable grasp of the most delicate or toughest tissues, as well as needles, sutures, dressing materials, delicate vessels, etc.

### SPRING TENSION

Properly set to consistently maintain proper position to ensure optimum grip without having to apply excess tension.

### LASER ETCHING

All Miltex forceps are laser etched with our logo and catalog number for easy re-ordering. Advanced laser techniques are used and will not harm or damage the instrument as did older and traditional acid etching techniques.

### SATIN FINISH

Each instrument is satin finished to reduce glare.

### TANG

Evenly welded and finished with rounded edges for the utmost comfort. Gold finished handles differentiate these forceps as precision instruments.

\* Note: cold or chemical sterilization is not recommended for Tungsten Carbide instruments

## Dressing & Tissue Forceps

Miltex forceps with Tungsten Carbide tips and jaws provide considerably longer service life and will maintain a firm and reliable grasp of tissue, suture, needles and other suture sundries. The Tungsten Carbide insert provides an added hardness which prevents "metal on metal" wear when used in suturing applications.

REF	Description	Type	Length
6-30TC	Dressing Forceps, cross serrated	Carb-N-Sert®	6" (15.2 cm)
6-113TC	HUDSON (Ewald) Dressing Forceps, cross serrated	Carb-N-Sert®	6" (15.2 cm) <b>NEW!</b>
6-115TC	HUDSON (Ewald) Tissue and Suture Forceps, 1x2 teeth and cross serrated tying platform	Carb-N-Sert®	6" (15.2 cm) <b>NEW!</b>
6-118TC	ADSON Dressing Forceps, cross serrated	Carb-N-Sert®	4-3/4" (12.1 cm) <b>NEW!</b>
6-129TC	ADSON Dressing Forceps, cross serrated	Carb-N-Sert®	6" (15.2 cm)
6-123TC	ADSON Tissue and Suture Forceps, 1x2 teeth and cross serrated tying platform	Carb-N-Sert®	4-3/4" (12.1 cm)



## Dressing & Tissue Forceps

REF	Description	Type	Length
6-130TC	ADSON Tissue and Suture Forceps, 1x2 teeth and cross serrated tying platform	Carb-N-Sert®	6" (15.2 cm) <b>NEW!</b>
6-124TC	BROWN-ADSON Tissue and Suture Forceps, 7x7 side grasping teeth and cross serrated tying platform	Carb-N-Sert®	4-3/4" (12.1 cm)
6-154TC	POTTS-SMITH Dressing Forceps, cross serrated	Carb-N-Sert®	7" (17.8 cm)
6-156TC	POTTS-SMITH Dressing Forceps, cross serrated	Carb-N-Sert®	8-1/4" (21 cm)
6-158TC	POTTS-SMITH Dressing Forceps, cross serrated	Carb-N-Sert®	9-3/4" (24.8 cm)
6-165TC	EVANS Pelvic Tissue Forceps, cross serrated	Carb-N-Sert®	10" (25.4 cm)
6-166TC	CUSHING Dressing Forceps, Gutch handle, cross serrated	Carb-N-Sert®	7" (17.8 cm)
6-198TC	ADSON Bayonet Dressing Forceps, Gutch handle, cross serrated	Carb-N-Sert®	8-1/2" (21.6 cm)



6-130TC



6-124TC



6-154TC  
6-156TC  
6-158TC



6-165TC



6-166TC



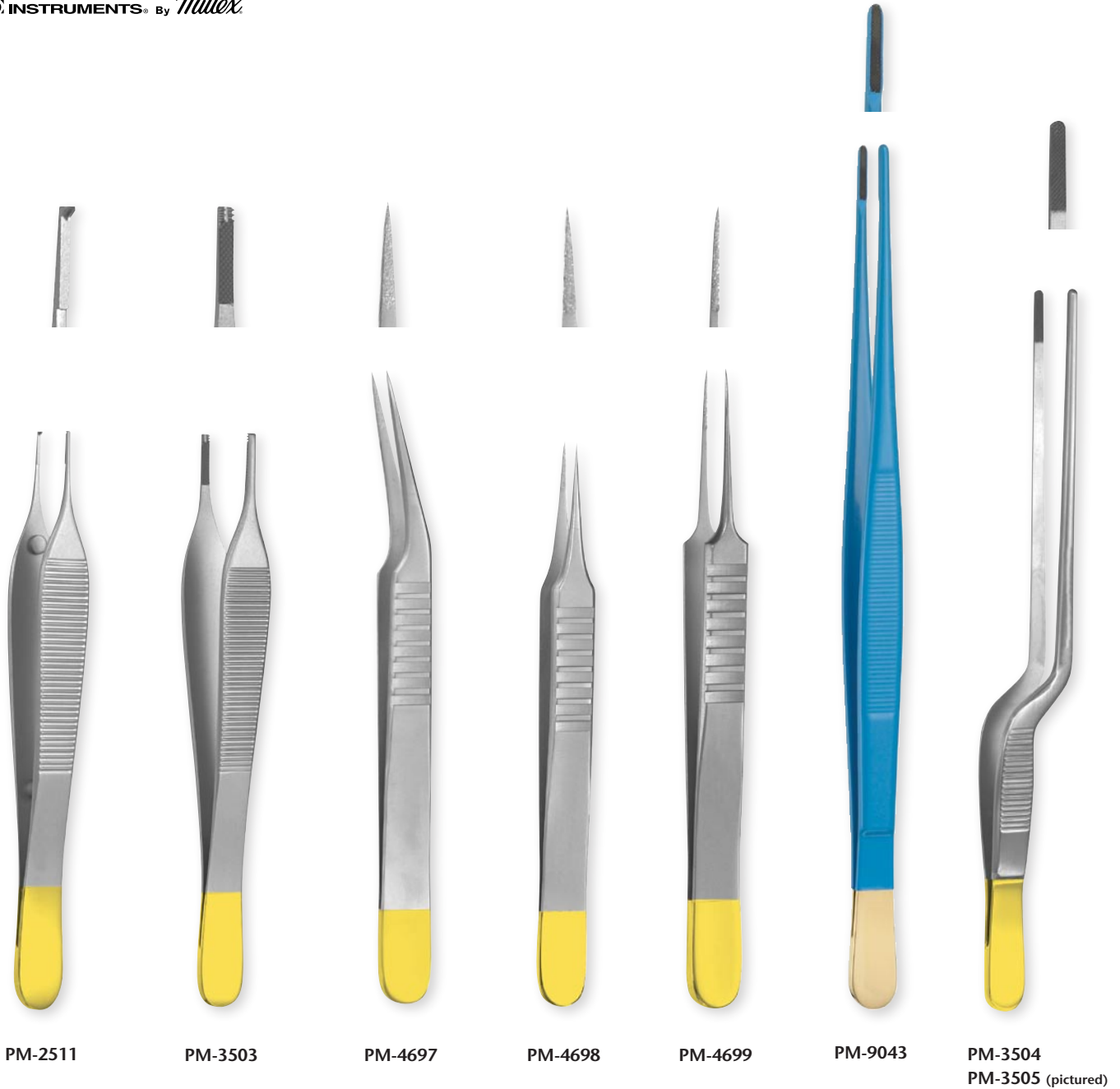
6-198TC



## Dressing & Tissue Forceps

REF	Description	Type	Length	
PM-2511*	GORNEY-ADSON Forceps, 1x2 Teeth with Smooth Tying Platform	Tungsten Carbide	4-3/4" (12.1 cm)	<b>NEW!</b>
PM-3503*	BROWN-ADSON Forceps, 4x4 Side Grasping Teeth with Cross Serrated Tying Platform	Tungsten Carbide	4-3/4" (12.1 cm)	<b>NEW!</b>
PM-4697*	Jeweler's "Dilator" Forceps	Diamond Dust	4-1/2" (14.1 cm)	<b>NEW!</b>
PM-4698*	Jeweler's Forceps #4	Diamond Dust	4" (10.2 cm)	<b>NEW!</b>
PM-4699*	Jeweler's Forceps #5A	Diamond Dust	4-1/4" (10.8 cm)	<b>NEW!</b>
PM-9043*	Crow Coagulating Forceps, ESU Insulated, Cross Serrated	Tungsten Carbide	9" (22.9 cm)	<b>NEW!</b>
PM-3504*	Rees Bayonet Forceps, Cross Serrated	Tungsten Carbide	5-1/2" (14 cm)	<b>NEW!</b>
PM-3505*	Rees Bayonet Forceps, Cross Serrated	Tungsten Carbide	6-1/2" (15.9 cm)	<b>NEW!</b>

\*  **PADGETT**  
INSTRUMENTS® By *Miltex*



PM-2511

PM-3503

PM-4697

PM-4698

PM-4699

PM-9043

PM-3504

PM-3505 (pictured)

## ANATOMY OF MILTEX® NEEDLE HOLDERS

The Miltex Repair and Service Team offer extensive instrument refurbishment and Tungsten Carbide jaw replacement services. Contact us for more information.



### Carb-N-Sert® (Tungsten Carbide Jaws)

Carb-N-Sert® jaws are made of Tungsten Carbide bonded to needle holders of the finest quality stainless steel.

These jaws are custom crafted with teeth ranging from 2,600 per square inch to 16,000 per square inch, according to the size of the instrument and the sizes of needles and sutures. Needle holder patterns are also available with smooth Carb-N-Sert® jaws, designed to hold the smallest sutures in micro-surgical and plastic surgery procedures.

The jaw edge is chamfered to prevent accidental cutting of suture material.

### TEETH

Teeth are precision milled into the Tungsten Carbide, forming sharp pyramid-shapes to provide a positive non-slip surface.

### BOX LOCK

The edges around the box lock have distinct non-catch bevels, preventing fraying of suture material.

### LASER ETCHING

All Miltex needle holders are laser etched with our logo and catalog number for easy re-ordering. Advanced laser techniques are used and will not harm or damage the instrument as did older and traditional acid etching techniques.

### SATIN FINISH

Each instrument is satin finished to reduce glare.

### RING HANDLES

Well rounded and polished for better “feel and comfort” as well as prevention of hand fatigue. Gold-plated ring handles help to identify these precision instruments.

*\* Note: cold or chemical sterilization is not recommended for Tungsten Carbide instruments*

**CARB-N-SERT® Needle Holders**

Miltex Tungsten Carbide Needle Holders offer long-term savings due to extended service life and resistance to "metal-on-metal" wear inherent to standard stainless steel patterns. These precision instruments ensure a firm, reliable grip on needles/sutures and are available in a large variety of length and jaw configurations to accommodate general and specialty procedures.

REF	Description	Jaws	Teeth P. Sq. Inch	Type	Length
8-3TC	PAR, delicate	serrated	16000	Carb-N-Sert®	4-1/2" (11.4 cm),
8-5TC	PAR, delicate	serrated	16000	Carb-N-Sert®	5" (12.7 cm)
8-4TC	DERF	serrated	4000	Carb-N-Sert®	4-3/4" (12.1 cm)
8-6TC	WEBSTER, delicate	smooth		Carb-N-Sert®	5-1/4" (13.3 cm)
8-7TC	WEBSTER, extra delicate	smooth		Carb-N-Sert®	4-3/4" (12.1 cm)
8-7A-TC	WEBSTER (JOHNSON), extra delicate	serrated	4000	Carb-N-Sert®	4-3/4" (12.1 cm)
8-8TC	HALSEY	smooth		Carb-N-Sert®	5" (12.7 cm)
8-8A-TC	HALSEY	serrated	4000	Carb-N-Sert®	5" (12.7 cm)



8-3TC  
8-5TC



8-4TC



8-6TC



8-7TC  
8-7A-TC



8-8TC  
8-8A-TC

**CARB-N-SERT® Needle Holders**

REF	Description	Jaws	Teeth P. Sq. Inch	Type	Length
8-14TC	OLSEN-HEGAR Needle Holder w/ suture scissors	serrated	4000	Carb-N-Sert®	4-3/4" (12.1 cm)
8-14A-TC	OLSEN-HEGAR Needle Holder w/ suture scissors	smooth		Carb-N-Sert®	4-3/4" (12.1 cm)
8-15TC	OLSEN-HEGAR Needle Holder w/ suture scissors	serrated	2600	Carb-N-Sert®	5-1/2" (14 cm)
8-16TC	OLSEN-HEGAR Needle Holder w/ suture scissors	serrated	2600	Carb-N-Sert®	6-1/2" (16.5 cm)
8-17TC	OLSEN-HEGAR Needle Holder w/ suture scissors	serrated	2600	Carb-N-Sert®	7-1/2" (19.1 cm)
8-28TC	MATHIEU	serrated	2600	Carb-N-Sert®	5-1/2" (14 cm)
8-30TC	MATHIEU	serrated	2600	Carb-N-Sert®	6-1/4" (15.9 cm)
8-40TC	BAUMGARTNER	serrated	4000	Carb-N-Sert®	5-1/2" (14 cm)



8-14TC  
8-14A-TC



8-15TC  
8-16TC  
8-17TC



8-28TC



8-30TC



8-40TC

**CARB-N-SERT® Needle Holders**

REF	Description	Jaws	Teeth P. Sq. Inch	Type	Length
8-42TC	MAYO-HEGAR	serrated	2600	Carb-N-Sert®	5" (12.7 cm)
8-44TC	MAYO-HEGAR	serrated	2600	Carb-N-Sert®	6" (15.2 cm)
8-46TC	MAYO-HEGAR	serrated	2600	Carb-N-Sert®	7" (17.8 cm)
8-48TC	MAYO-HEGAR	serrated	2600	Carb-N-Sert®	8" (20.3 cm)
8-130TC	MAYO-HEGAR (MASSON)	serrated	2600	Carb-N-Sert®	10-1/2" (26.7 cm)
8-49TC	MAYO-HEGAR	serrated	2600	Carb-N-Sert®	12" (30.5 cm)
8-50TC	CRILE-WOOD	serrated	4000	Carb-N-Sert®	6" (15.2 cm)
8-50A-TC	CRILE-WOOD	smooth		Carb-N-Sert®	6" (15.2 cm)



## CARB-N-SERT® Needle Holders

REF	Description	Jaws	Teeth P. Sq. Inch	Type	Length
8-51TC	CRILE-WOOD (DeBakey)	serrated	4000	Carb-N-Sert®	7" (17.8 cm)
8-52TC	CRILE-WOOD (DeBakey)	serrated	2600	Carb-N-Sert®	8" (20.3 cm)
8-53TC	CRILE-WOOD (DeBakey)	serrated	2600	Carb-N-Sert®	9" (22.9 cm)
8-55TC	CRILE-WOOD (DeBakey)	serrated	2600	Carb-N-Sert®	10-1/2" (26.7 cm)
8-57TC	CRILE-WOOD (DeBakey)	serrated	2600	Carb-N-Sert®	12" (30.5 cm)
8-62TC	COOLEY, extra delicate	serrated	4000	Carb-N-Sert®	6" (15.2 cm)
8-63TC	COOLEY, extra delicate	serrated	4000	Carb-N-Sert®	6-3/4" (17.1 cm)
8-65TC	RYDER -Type Intracardiac, extra delicate	serrated	4000	Carb-N-Sert®	5" (12.7 cm)
8-66TC	RYDER -Type Intracardiac, extra delicate	serrated	4000	Carb-N-Sert®	6" (15.2 cm)
8-67TC	RYDER -Type Intracardiac, extra delicate	serrated	4000	Carb-N-Sert®	7" (17.8 cm)
8-69TC	RYDER -Type Intracardiac, extra delicate	serrated	4000	Carb-N-Sert®	9" (22.9 cm)
8-81TC	NEW ORLEANS	serrated	2600	Carb-N-Sert®	7" (17.8 cm)



8-51TC  
to  
8-57TC



8-62TC  
8-63TC



8-65TC  
to  
8-69TC



8-81TC



**CARB-N-SERT® Needle Holders**

REF	Description	Jaws	Teeth P. Sq. Inch	Type	Length
8-82TC	JULIAN Pattern	serrated	2600	Carb-N-Sert®	8-1/4" (21 cm)
8-83TC	JULIAN Pattern	serrated, curved	2600	Carb-N-Sert®	8-1/4" (21 cm)
8-96TC	SAROT	serrated	2600	Carb-N-Sert®	7-1/4" (18.4 cm)
8-114TC	SAROT	serrated	2600	Carb-N-Sert®	10-1/2" (26.7 cm)
8-100TC	HEANY	serrated, curved	2600	Carb-N-Sert®	8-1/2" (21.6 cm)
8-102TC	STRATTE	serrated, curved	2600	Carb-N-Sert®	9" (22.9 cm)
22-500TC	Wire Twister	serrated		Carb-N-Sert®	6" (15.2 cm)
22-502TC	Wire Twister	serrated		Carb-N-Sert®	8" (20.3 cm)



8-82TC  
8-83TC



8-96TC  
8-114TC



8-100TC



8-102TC



22-500TC  
22-502TC

## CARB-N-SERT® Needle Holders

REF	Description	Jaws	Teeth P. Sq. Inch	Type	Length
29-310TC	BIHRLE Needle Holder/Clamp	serrated & smooth		Carb-N-Sert®	11" (27.9 cm)
8-101TC	RYDER	serrated	4000	Carb-N-Sert®	5" (12.7 cm)
8-103TC	RYDER	serrated	4000	Carb-N-Sert®	6" (15.2 cm)
8-104TC	RYDER	serrated	4000	Carb-N-Sert®	7" (17.8 cm)
8-105TC	RYDER	serrated	4000	Carb-N-Sert®	8" (20.3 cm)
8-106TC	RYDER	serrated	4000	Carb-N-Sert®	9" (22.9 cm)
8-107TC	RYDER	serrated	4000	Carb-N-Sert®	10-1/4" (26 cm)
8-134TC	WANGENSTEEN	serrated	2600	Carb-N-Sert®	10-3/4" (27.3 cm)
18-1816TC	MILTEX-CASTROVIEJO, delicate w/ lock	smooth		Carb-N-Sert®	4-1/8" (10.5 cm)



29-310TC



8-101TC  
to  
8-107TC



8-134TC



18-1816TC



**CARB-N-SERT® Needle Holders**

REF	Description	Jaws	Teeth P. Sq. Inch	Type	Length
18-1828TC	CASTROVIEJO, w/ lock	smooth, straight		Carb-N-Sert®	5-1/2" (14 cm)
18-1828A-TC	CASTROVIEJO, w/ lock	serrated, straight	16000	Carb-N-Sert®	5-1/2" (14 cm)
18-1832TC	CASTROVIEJO, w/ lock	smooth, curved		Carb-N-Sert®	5-1/2" (14 cm)
18-1832A-TC	CASTROVIEJO, w/ lock	serrated, curved	16000	Carb-N-Sert®	5-1/2" (14 cm)
17-1090TC	JACOBSON Microvascular, w/ lock	serrated, straight	16000	Carb-N-Sert®	7" (17.8 cm)
17-1091TC	JACOBSON Microvascular, w/ lock	serrated, curved	16000	Carb-N-Sert®	7" (17.8 cm)
17-1092TC	JACOBSON Microvascular, w/ lock	serrated, straight	16000	Carb-N-Sert®	8-1/2" (21.6 cm)



18-1828TC  
18-1828A-TC



18-1832TC  
18-1832A-TC



17-1090TC  
to  
17-1092TC



## CARB-N-SERT® Needle Holders, Quick-Release

Special quick-release ratchet feature is offered on our most popular patterns. The offset ratchet design provides ergonomic comfort and ease of use for all clinician grip and suturing techniques. Also suitable for the left handed.

REF	Description	Jaws	Teeth P. Sq. Inch	Type	Length
8-706TC	WEBSTER w/ Quick-Release	smooth	2600	Carb-N-Sert®	5" (12.7 cm)
8-744TC	MAYO-HEGAR w/ Quick-Release	serrated	2600	Carb-N-Sert®	6" (15.2 cm)
8-746TC	MAYO-HEGAR w/ Quick-Release	serrated	2600	Carb-N-Sert®	7" (17.8 cm)
8-748TC	MAYO-HEGAR w/ Quick-Release	serrated	2600	Carb-N-Sert®	8" (20.3 cm)
8-750TC	CRILE-WOOD w/ Quick-Release	serrated	2600	Carb-N-Sert®	6" (15.2 cm)
8-751TC	CRILE-WOOD w/ Quick-Release	serrated	2600	Carb-N-Sert®	7" (17.8 cm)
8-752TC	CRILE-WOOD w/ Quick-Release	serrated	2600	Carb-N-Sert®	8" (20.3 cm)
8-753TC	CRILE-WOOD w/ Quick-Release	serrated	2600	Carb-N-Sert®	9" (22.9 cm)



### Specialty Instruments for Pin and Wire

REF	Description	Jaws	Type	Length
27-159TC	Pin and Wire Cutter Cuts up to 2 mm (5/64") soft wire or 1.5 mm (1/16") hard wire	double action	Carb-N-Sert®	7" (17.8 cm)
27-161TC	MILTEX Pin Cutter, heavy duty, Cuts up to 4.8 mm (3/16") diameter	double action	Carb-N-Sert®	15" (38.1 cm)
27-163TC	Front and Side Pin and Wire Cutter, Cuts up to 2 mm (5/64") soft wire or 1.6 mm (1/16") hard wire	double action, flush cutting	Carb-N-Sert®	7" (17.8 cm)
27-164TC	Pin & Wire Puller	4 mm wide jaws, double action	Carb-N-Sert®	7" (17.8 cm)
27-165TC	Pin & Wire Puller	6 mm wide jaws, double action	Carb-N-Sert®	7" (17.8 cm)
27-176TC	MILTEX Pin Puller	1 cm length serrated top jaw and 1 cm length grooved opposing jaw	Carb-N-Sert®	5-1/2" (14 cm)



27-159TC



27-161TC



27-163TC



27-164TC  
27-165TC



27-176TC

## ANATOMY OF MILTEX® RASPS

Miltex Carb-N-Sert® instruments offer long-term savings due to longer lasting service life and higher resistance to wear when compared to traditional stainless steel patterns.



### Carb-N-Sert® Rasps

Miltex Tungsten Carbide Rasps offer outstanding cutting capability for precise bone contouring.

### GRIT OPTIONS

Miltex offers a selection of very fine to coarse grit choices to perfectly accommodate the most delicate, aggressive or challenging surgical procedures.

### LASER ETCHING

All Miltex rasps are laser etched with our logo and catalog number for easy re-ordering. Advanced laser techniques are used and will not harm or damage the instrument as did older and traditional acid etching techniques.

### ERGONOMIC DESIGN

Outstanding instrument design combines weight, balance and feel for optimal comfort and performance.

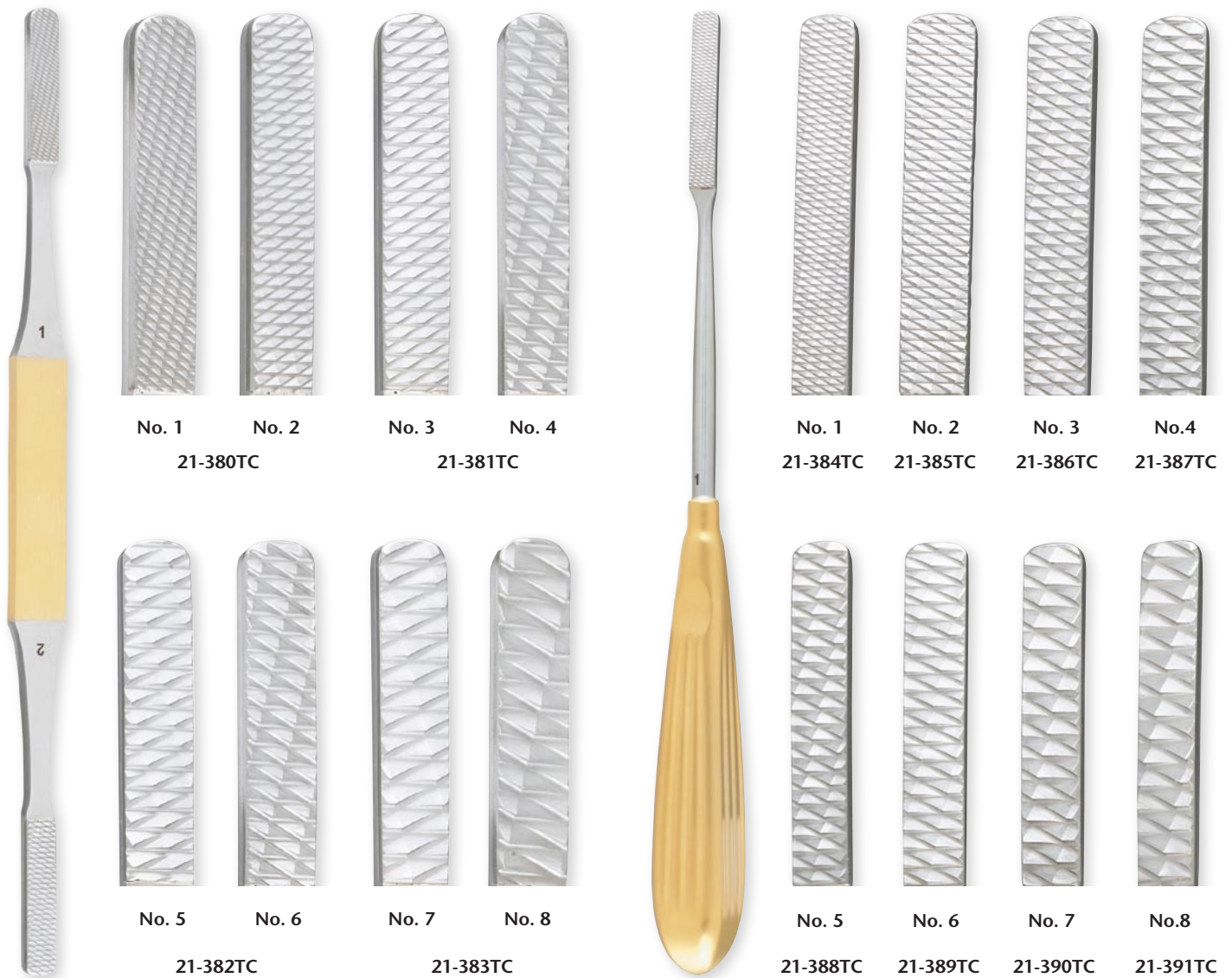
### HANDLE

Well rounded and polished edges for better “feel and comfort” as well as prevention of hand fatigue. Gold finished handles differentiate these rasps as precision instruments.

*\*Note: Cold or chemical sterilization is not recommended for Tungsten Carbide instruments.*

## Rasps

REF	Description	Style	Tip	Type	Length
21-380TC	FOMON Rasp	double-ended, flat, backward cutting	No. 1 Very Fine and No. 2 Fine grit	Carb-N-Sert®	8-1/4" (21 cm)
21-381TC	FOMON Rasp	double-ended, flat, backward cutting	No. 3 Fine and No. 4 Coarse grit	Carb-N-Sert®	8-1/4" (21 cm)
21-382TC	FOMON Rasp	double-ended, flat, backward cutting	No. 5 Coarse and No. 6 Coarse grit	Carb-N-Sert®	8-1/4" (21 cm)
21-383TC	FOMON Rasp	double-ended, flat, backward cutting	No. 7 Coarse and No. 8 Very Coarse grit	Carb-N-Sert®	8-1/4" (21 cm)
21-384TC	PARKES Rasp	single-ended, backward cutting,	No. 1 Very Fine grit	Carb-N-Sert®	8-1/2" (21.6 cm)
21-385TC	PARKES Rasp	single-ended, backward cutting	No. 2 Fine Grit	Carb-N-Sert®	8-1/2" (21.6 cm)
21-386TC	PARKES Rasp	single-ended, backward cutting	No. 3 Fine grit	Carb-N-Sert®	8-1/2" (21.6 cm)
21-387TC	PARKES Rasp	single-ended, backward cutting	No. 4 Coarse grit	Carb-N-Sert®	8-1/2" (21.6 cm)
21-388TC	PARKES Rasp	single-ended, backward cutting	No. 5 Coarse grit	Carb-N-Sert®	8-1/2" (21.6 cm)
21-389TC	PARKES Rasp	single-ended, backward cutting	No. 6 Coarse grit	Carb-N-Sert®	8-1/2" (21.6 cm)
21-390TC	PARKES Rasp	single-ended, backward cutting	No. 7 Coarse grit	Carb-N-Sert®	8-1/2" (21.6 cm)
21-391TC	PARKES Rasp	single-ended, backward cutting	No. 8 Very Coarse grit	Carb-N-Sert®	8-1/2" (21.6 cm)



## Rasps, continued

REF	Description	Style	Tip	Type	Length
21-392DC	PEET (COTTLE)	finishing rasp	Straight	Diamond Coated	7-1/2" (19 cm)
21-393DC	PEET (COTTLE)	finishing rasp	Curved	Diamond Coated	7-1/2" (19 cm)
21-394TC	GLABELLA Rasp	backward cutting	No. 3 Fine grit, 5.5 mm x 10 mm radius tip	Carb-N-Sert®	8-1/4" (21 cm)



21-392DC

21-393DC

21-394TC



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