

Small Surgical Cassette

For use with post-operative setups, this single-hinged cassette is specifically designed for suture removal instruments.

Catalog Number	Description	Dimensions	
		Inches	Millimeters
STDBOS	Small Surgical Cassette	7 x 3 x 1 3/8	178 x 76 x 35



Medium Surgical Cassette

This cassette is excellent for general surgery setups and can store large handled instruments that require a two inch depth. The Medium Surgical cassette features two breakaway lids and the two compartments are hinged together for easy processing and storing of various sized instruments.

Catalog Number	Description	Dimensions	
		Inches	Millimeters
STDBOM	Medium Surgical Cassette	10 x 5 1/2 x 4	254 x 140 x 102



Large Surgical Cassette

Our largest surgical cassette has a maximum depth of two inches. The Large Surgical cassette features two breakaway lids and the two compartments are hinged together for ease of processing and for storing various sized instruments.

Catalog Number	Description	Dimensions	
		Inches	Millimeters
STDBOL	Large Surgical Cassette	11 x 8 x 4	279 x 203 x 102





Twenty-Two Instrument Cassette

This 22 instrument capacity cassette is ideal for storing large quantities of hand instruments and additional larger instruments.

Catalog Number	Description	Dimensions	
		Inches	Millimeters
STD222	22 Instrument Cassette	8 x 10 7/8 x 1 3/16	204 x 276.5 x 30

Orthodontic Cassette

The upright box design of the Thompson™ orthodontic cassettes is perfect for storing orthodontic pliers, wire cutters, scissors and wire bending instruments.



Catalog Number	Description	Dimensions	
		Inches	Millimeters
STDORTHO	Ortho Cassette	5 x 7 x 2	127 x 178 x 51
STDORTHOS	Small Ortho Cassette	6 1/2 x 2 1/4 x 2	165 x 57 x 51

Handpiece/Accessory Cassette

This cassette is excellent for small specialized setups, handpieces and smaller handled instruments.



Catalog Number	Description	Dimensions	
		Inches	Millimeters
3-080205	Handpiece/Accessory Cassette	8 x 2 3/16 x 1 7/16	204 x 71 x 37

FACT:

Using cassettes for procedural setups is an excellent way to efficiently organize instruments for specific procedures.

Cassette Accessories

These accessories can be used as stand-alone items or in conjunction with the Thompson™ cassettes.

Bur Holders

A bur holder can be added to hold both short and long shank burs and diamonds.

Catalog Number	Description
STDBH	12 hole bur holder
STDBH6	6 hole bur holder
STDBHS	6 hole surgical bur holder



Small Parts Box

The small parts box, which features a hinged lid, can hold small items such as ortho brackets, long shank or lab carbide burs and rubber dam clamps.

Catalog Number	Description	Dimensions	
		Inches	Millimeters
STDPB	Small Parts Box	1 2/3 x 1 1/3 x 1	42 x 33 x 26



Endodontic Stands

Available in 60 and 72 hole configurations, the endodontic stand is ideal for storing all styles of hand files and rotary NiTi files. Endodontic stands can also be used in conjunction with all standard Thompson™ cassettes.

Catalog Number	Description
STDES60	Endo Stand, 60 hole
STDES72	Endo Stand, 72 hole



RECOMMENDED PROCEDURAL SETUPS

Using a procedural setup is an excellent way to efficiently organize instruments for specific procedures.

- Save time by placing procedure instruments in one cassette.
- Store instruments for use sequentially.
- Store instruments quickly and easily.
- Protect instruments against damage.

The following setups can be used as guidelines for developing personalized procedural setups. All cassettes and instruments are ordered separately.

Note: Different instrument handle styles are available. Please contact Miltex customer service at (866) 854-8300 for additional information.



Rubber Dam Setup

This setup can be used in conjunction with endodontic or periodontic procedures, or with any procedure in which a rubber dam is used. The Thompson™ 7 utility cassette is ideal for storing rubber dam instruments and clamps.

REF	Description
3-084007	Thompson™ 7 utility cassette
STDPB	Parts Box
76-5	Rubber Dam Punch (Ainsworth Type)
76-22	Lightweight Rubber Dam Forceps, U.S. Government pattern
76-24	Rubber Dam Holder
76D-1	Dental Dam Clamp style 1
76D-2A	Dental Dam Clamp style 2A
76D-9	Dental Dam Clamp style 9
76D-26N	Dental Dam Clamp style 26N
76D-27N	Dental Dam Clamp style 27N
76D-201	Dental Dam Clamp style 201

Amalgam/Composite Setup

The 14 instrument rack and large utility bin make the Thompson™ 14 cassette ideal for amalgam and composite setups.

REF	Description
3-118114	Series 14 cassette 14 instrument single rack
67-688	Octagonal Handle, Cone Socket, with millimeter ruler, single end
67-696/5	No. 5 Cone Socket, double-sided front surface mirrors
66-317	Dental Cotton (College) Pliers, serrated tips, jaw length: 14.0 - 14.5
70-22	No. 89/92 Carver - Cleoid Discoid, octagonal handle
70-4	No. 17 Excavator, double end
71-26	Burnisher 27/29, octagonal handle, 7 sides serrated
71-62	Amalgam Carrier, Lever Type, steel tips, double end medium/large steel
71-8	Hollenback Plugger #1 DE
71-96	Amalgam Well - Non-Slip
73-38	3S Hollenback Carver
76-1	Posigrip Articulating Paper Forceps
76-70	Aspirating Syringe, C-W Type
80-5302	5 DE Explorer Griplite S6
STDBH	12 Hole Bur Holder
TCIP	Interproximal Carver Tactile Tone double end



Composite Setup

This recommended setup is designed for composite restorations and procedures.

REF	Description
3-089110	Series 10 cassette 10 instrument single rack
67-688	Octagonal Handle, Cone Socket, with millimeter ruler, single end
67-696/5	MILTEX Front Surface Dental Mirrors, no. 5, cone socket
66-317	Dental Cotton (College) Pliers, serrated tips, jaw length: 14.0 - 14.5
70-4	No. 17 Excavator, double end
76-1	Posigrip Articulating Paper Forceps
76-70	Aspirating Syringe, C-W Type
80-5302	5 DE Explorer Griplite S6
STDBH	12 Hole Bur Holder
TD12X	Composite 12 Tactile Tone double end GTX
TD4X	Composite 4 Tactile Tone double end GTX
TD9X	Composite 9 Tactile Tone double end GTX



Crown and Bridge Setup

This setup recommendation is designed for crown and bridge procedures.



REF	Description
3-118114	Series 14 cassette 14 instrument single rack
67-688	Octagonal Handle, Cone Socket, with millimeter ruler, single end
67-696/5	MILTEX Front Surface Dental Mirrors, no. 5, cone socket
9D-135	Crown & Collar and Wire Cutting Scissors, 4-1/4" (10.8 cm), curved
66-317	Dental Cotton (College) Pliers, serrated tips, jaw length: 14.0 - 14.5
70-4	No. 17 Excavator, double end
72-10TC	WYNMAN Crown Gripper, 5-1/2", without ratchet, with Tungsten Carbide jaws
73-70	No. 24 Cement Spatula, Flexible
76-1	Posigrip Articulating Paper Forceps
76-70	Aspirating Syringe, C-W Type
80-5003	U15/30 GripLite S6 Scaler
80-5400	Probe 4 / Explorer 23 GripLite S6
578-38630	Spatula #3 Flare 3 1/2"
STDBH	12 Hole Bur Holder
TNPA2	2 Packing Tactile Tone double end

Porcelain Veneer Setup

This setup recommendation is designed for porcelain veneer procedures.



REF	Description
3-089110	Series 10 cassette 10 instrument single rack
67-688	Octagonal Handle, Cone Socket, with millimeter ruler, single end
67-696/5	MILTEX Front Surface Dental Mirrors, no. 5, cone socket
5-304	Iris Scissors, 4-1/2" (11.4 cm), straight
66-317	Dental Cotton (College) Pliers, serrated tips, jaw length: 14.0 - 14.5
80-6600	Spatula, Cement, Flexible, 24
76-1	Posigrip Articulating Paper Forceps
76-70	Aspirating Syringe, C-W Type
80-5003	U15/30 GripLite S6 Scaler
80-5302	5 DE Explorer GripLite S6
578-38630	Spatula #3 Flare 3 1/2"
STDBH	12 Hole Bur Holder
TNPA2	2 Packing Tactile Tone double end

General Exam Setup



REF	Description
3-083105	Cassette Series 5-5 instrument single rack
67-800/5	Autoclavable Fiberglass Front Surface Mirror, White, Size #5
80-5302	5 DE Explorer GripLite S6
80-5301	ODU 11/12 Explorer GripLite S6
80-5350	1-UNC-15 DE Probe GripLite S6
66-317	Dental Cotton (College) Pliers, serrated tips, jaw length: 14.0-14.5

Perio Exam Setup



REF	Description
3-084107	Cassette Series 7--7 instrument single rack
66-317	Dental Cotton (College) Pliers, serrated tips, jaw length: 14.0 - 14.5
67-720	No. 5 Cone Socket, double-sided front surface mirrors
80-5301	ODU 11/12 Explorer GripLite S6
80-5302	5 DE Explorer GripLite S6
80-5350	1-UNC-15 DE Probe GripLite S6
80-5450	Mirror Handle Cone Socket Single End GripLite S6
EEN2	NABOR 2 Probe Tactile Tone double end



Root Planing Setup

REF	Description
3-118116	Cassette Series 16--16 instrument single rack
66-317	Dental Cotton (College) Pliers, serrated tips, jaw length: 14.0 - 14.5
67-720	No. 5 Cone Socket, double-sided front surface mirrors
80-5001	204SD Scaler GripLite S6
80-5002	H6/7 Scaler GripLite S6
80-5109	Gracey Curette 17/18 GripLite S6
80-5114	Root Plane Curette 11/12 GripLite S6
80-5115	Root Plane Curette 13/14 GripLite S6
80-5116	Root Plane Curette 15/16 GripLite S6
80-5119	GRACEY Root Plane Petite Curette 1/2 GripLite S6
80-5122	GRACEY Root Plane Petite Curette 7/8 GripLite S6
80-5205	17S/18S McCall Curette GripLite S6
80-5302	5 DE Explorer GripLite S6
80-5303	Tufts 17/23 Explorer GripLite S6
80-5350	1-UNC-15 DE Probe GripLite S6
80-5401	Probe OW / Explorer 23 GripLite S6
80-5451	Mirror Handle Cone Socket Double End GripLite S6
STN-ARK-CON	Stone Arkansas Conical, Super Fine Grit
STN-ARK-FLT-4	Stone Arkansas No. 4 Flat, Hard Fine Grit



Pedodontic/Sealant/Implant Setup

REF	Description
STDSTAT8	Standard 8 Cassette
66-317	Dental Cotton (College) Pliers, serrated tips, jaw length: 14.0 - 14.5
67-685	Mirror Handle, deluxe, round, cone socket
67-720	No. 5 Cone Socket, double-sided front surface mirrors
76-1	Posigrip Articulating Paper Forceps
80-5000	204S Scaler GripLite S6
80-5002	H6/7 Scaler GripLite S6
80-5201	13/14 Columbia Curette GripLite S6
80-5402	Probe WHO / Explorer 23 GripLite S6



Small Propphy Setup

REF	Description
3-089110	Cassette Series 10--10 instrument single rack
67-720	No. 5 Cone Socket, double-sided front surface mirrors
80-5000	204S Scaler GripLite S6
80-5002	H6/7 Scaler GripLite S6
80-5201	13/14 Columbia Curette GripLite S6
80-5202	BARNHART 1/2 Curette GripLite S6
80-5203	BARNHART 5/6 Curette GripLite S6
80-5302	5 DE Explorer GripLite S6
80-5350	1-UNC-15 DE Probe GripLite S6
80-5401	Probe OW / Explorer 23 GripLite S6
80-5450	Mirror Handle Cone Socket Single End GripLite S6



Large Propphy Setup

REF	Description
3-118114	Cassette Series 14--14 instrument single rack
66-317	Dental Cotton (College) Pliers, serrated tips, jaw length: 14.0 - 14.5
67-720	No. 5 Cone Socket, double-sided front surface mirrors
80-5000	204S Scaler GripLite S6
80-5002	H6/7 Scaler GripLite S6
80-5101	Gracey Curette 1/2 GripLite S6
80-5104	Gracey Curette 7/8 GripLite S6
80-5106	Gracey Curette 11/12 GripLite S6
80-5107	Gracey Curette 13/14 GripLite S6
80-5201	13/14 Columbia Curette GripLite S6
80-5302	5 DE Explorer GripLite S6
80-5350	1-UNC-15 DE Probe GripLite S6
80-5401	Probe OW / Explorer 23 GripLite S6
80-5450	Mirror Handle Cone Socket Single End GripLite S6
STN-ARK-FLT-4	Stone Arkansas No. 4 Flat, Hard Fine Grit

STERILIZATION PRODUCTS

Miltex® offers a wide range of sterilization products that can be used in conjunction with the Universal cassettes.

CSR WRAP

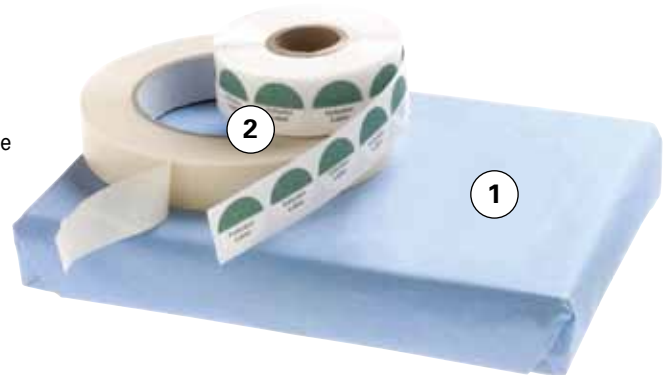
The CSR wrap is suitable for steam, ETO gas and radiation sterilization processes. CSR wraps are monitored for thickness consistency and are electronically inspected for defects such as pinholes. CSR wraps are some of the lowest linting products available on the market.

Features include:

- Resists memory
- Allows faster steam penetration than muslin
- Repels water and operating room fluids
- Low linting
- Meets established standards for tensile strength and tear resistance
- Excellent barrier to airborne bacteria
- Accepts sterilization tape and labels
- Biodegradable

Available in three sizes - 15", 20" and 24" square

Item#	Wrap Dimensions	Case quantity
STD1515	15" x 15"	1000/case
STD2020	20" x 20"	500/case
STD2424	24" x 24"	500/case



1. CSR Wrap
2. Indicator Tapes

INDICATOR TAPES

Indicator tapes are used to visually identify sterilized packs from unsterilized packs. Miltex Indicator Tapes are manufactured from a specially treated crêpe paper and are coated with a high performance, pressure-sensitive adhesive that will not come undone when subjected to wet or dry heat.

Features include:

- Adheres to any kind of material
- Distinctive color-change
- Accommodates pack expansion during sterilization
- Accepts labels and writing

Supplied in 60 yard rolls, the Miltex® Indicator Tapes are available in steam, vapor and dry heat styles.

Item#	Description
STDSTEAM	3/4" Steam Autoclave Tape, 60 yd.
STDCHEM*	1/2" Chemical Vapor, 60 yd
STD DRY*	1" Dry Heat Labels, 60 yd.

*Not intended to be used with cassettes

STEAM INDICATOR STRIPS

Per CDC guidelines, a chemical indicator should be used with each load in conjunction with routine spore testing. The Miltex® Steam Indicator Strip turns brown when sterilization conditions have been met and is certified for use with all steam sterilization processes.

Packaged 250 strips per box, the Steam Indicator strips may be maintained as a permanent record of sterilization

Item#	Description
STDIND	Steam Indicator Strips, 250/bx

MILTEX® INSTRUMENT CARE & CLEANING PRODUCTS

The Miltex care and cleaning product portfolio is designed to provide optimum cleaning performance and will help to prolong the service life of valuable surgical and dental instrumentation. Many products are available in multiple sizes, including single-dose packets for ease of use, space-saving 8 oz. bottles and 1-gallon bulk containers with pump dispensers.

REF	Description
3-700	MILTEX Spray Lubricant, 8 fl. oz. spray bottle (0.24 liters) (case of 12)
3-705	MILTEX Lubricant, 1-gallon bottle (3.78 liters).
3-710	MILTEX Surgical Instrument Cleaner/Lubricant, 1-gallon bottle (3.78 liters).
3-720	MILTEX Surgical Instrument Cleaner, 8 fl. oz. bottle (0.24 liters). Contents of 8 oz. bottle makes 32 gallons of solution.
3-725	MILTEX Surgical Instrument Cleaner, 1-gallon bottle (3.78 liters). Contents of 1-gallon bottle makes 512 gallons of solution.
3-726	MILTEX Surgical Instrument Cleaner, Box 80 – 1/4 oz. (7.4 ml) packets. Contents of 1 box makes 80 gallons of solution.
3-740	MILTEX Surgical Instrument Stain Remover, 3 oz. (85g) jar (case of 12)
3-750	MILTEX EZ-Zyme®, All Purpose Enzyme Cleaner, Box 32 – 3/4 oz. (22 ml) packets. Contents of 1 box makes 32 gallons of solution.
3-755	MILTEX EZ-Zyme®, All Purpose Enzyme Cleaner, 1-gallon bottle (3.78 liters). Contents of 1-gallon bottle makes 170 gallons of solution.
3-760	MILTEX Instrument Prep Enzyme Foam, 24 oz. (0.71 liters) spray bottles (case of 12)
3-800	MILTEX Instrument Care System Kit includes one each of Spray Lube, Surgical Instrument Cleaner (8 oz.), Surgical Instrument Stain Remover, Instrument Care Video/DVD, Nylon Brush, Stainless Steel Brush.
3-810	MILTEX Instrument Care DVD, 25-minute instructional DVD designed to help practitioners and staff properly care for instruments
3-1000	MILTEX Nylon Instrument Cleaning Brushes, 7-1/4" (18.4 cm) (set of 3)
3-1001	MILTEX Stainless Steel Instrument Cleaning Brushes, 7-1/4" (18.4 cm) (set of 3)



SILITONE™ COLOR BANDS

Silitone™ color bands are made from medical-grade silicone and can withstand temperatures up to 450° F. Silitone™ bands are expandable from 4 mm to 12 mm and are available in a variety of colors. 50 per pack except kits.

REF	Description
VST	Kit 480 pieces, assortment
VSTA	Kit 120 pieces, assortment
VSTSA	GREY
VSTSB	BLUE
VSTSD	GOLD
VSTSG	GREEN
VSTSK	BLACK
VSTSL	LIGHT BLUE
VSTSN	BROWN
VSTSP	PINK
VSTSR	RED
VSTSU	PURPLE
VSTSW	WHITE
VSTSY	YELLOW



CASSETTE CODE TUBING

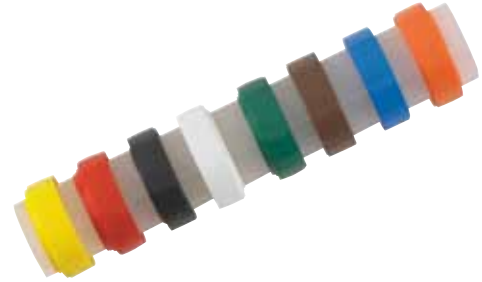
REF	Description	Quantity per Pack
STDCC12BLACK	Cassette Code Tube, Black	12
STDCC12BROWN	Cassette Code Tube, Brown	12
STDCC12DKBLUE	Cassette Code Tube, Blue	12
STDCC12GOLD	Cassette Code Tube, Gold	12
STDCC12GRAY	Cassette Code Tube, Gray	12
STDCC12GREEN	Cassette Code Tube, Green	12
STDCC12LTBLUE	Cassette Code Tube, Light Blue	12
STDCC12PINK	Cassette Code Tube, Pink	12
STDCC12PURPLE	Cassette Code Tube, Purple	12
STDCC12RED	Cassette Code Tube, Red	12
STDCC12WHITE	Cassette Code Tube, White	12
STDCC12YELLOW	Cassette Code Tube, Yellow	12
STDCC24BLACK	Cassette Code Tube, Black	24
STDCC24BROWN	Cassette Code Tube, Brown	24
STDCC24DKBLUE	Cassette Code Tube, Blue	24
STDCC24GOLD	Cassette Code Tube, Gold	24
STDCC24GRAY	Cassette Code Tube, Gray	24
STDCC24GREEN	Cassette Code Tube, Green	24
STDCC24LTBLUE	Cassette Code Tube, Light Blue	24
STDCC24PINK	Cassette Code Tube, Pink	24
STDCC24PURPLE	Cassette Code Tube, Purple	24
STDCC24RED	Cassette Code Tube, Red	24
STDCC24WHITE	Cassette Code Tube, White	24
STDCC24YELLOW	Cassette Code Tube, Yellow	24



TAPE N' TELL™ ADHESIVE STRIPS

The Tape N' Tell™ adhesive strips are ideal for color coding instruments and procedural kits.

REF	Description
017-48220	TAPE N' TELL™ WHITE
017-48221	TAPE N' TELL™ YELLOW
017-48222	TAPE N' TELL™ RED
017-48223	TAPE N' TELL™ BLUE
017-48224	TAPE N' TELL™ GREEN
017-48225	TAPE N' TELL™ BLACK
017-48226	TAPE N' TELL™ ORANGE
017-48227	TAPE N' TELL™ BROWN
017-48230	TAPE N' TELL™ 8 ASST.



TIP-IT™ INSTRUMENT PROTECTORS

Tip-It™ Instrument Protectors are used to protect instrument tips and edges from damage during instrument handling. 50 per pack.



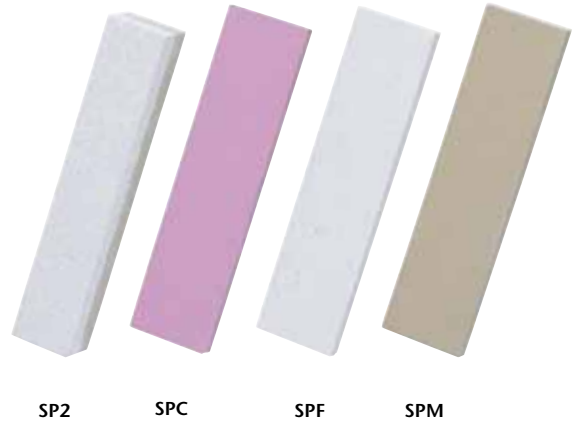
REF Clear Vented	REF Tinted Vented	REF Solid Vented	REF Solid Non-Vented	Dimension	Size Code	Color
3-2501C	3-2501T	3-2501V	3-2501	1/16" X 3/4" (1.6mm X 19mm)	1	White*
3-2502C	3-2502T	3-2502V	3-2502	5/64" X 3/4" (2mm X 19mm)	2	Blue*
3-2503C	3-2503T	3-2503V	3-2503	7/64" X 3/4" (2.8mm X 19mm)	3	Green*
3-2504C	3-2504T	3-2504V	3-2504	1/8" X 1" (3.2mm X 25.4mm)	4	Red*
3-2505C	3-2505T	3-2505V	3-2505	3/16" X 1" (4.8mm X 25.4mm)	5	Yellow*
3-2506C	3-2506T	3-2506V	3-2506	13/32" X 3/4" (10.3mm X 19mm)	6	Maroon*
3-2507C	3-2507T	3-2507V	3-2507	1/16" X 3/8" X 1" (1.6mm X 9.5mm X 25.4mm)	7	Orange*
3-2508C	3-2508T	3-2508V	3-2508	5/64" X 5/8" X 1" (2mm X 16mm X 25.4mm)	8	Brown*
3-2509C	3-2509T	3-2509V	3-2509	1/8" X 1" X 1" (3.2mm X 25.4mm X 25.4mm)	9	Black*
3-2510C	3-2510T	3-2510V	3-2510	Assorted, equal number of sizes plus 5		

* Color does not apply to clear vented pattern

Thompson™ Precision™ Sharpeners

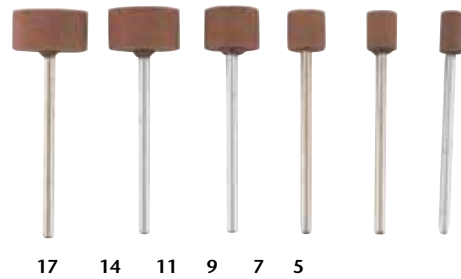
Thompson™ Precision™ Sharpeners do not require lubricant and may be sterilized by any method.

REF	Description
SP2	DOUBLE GRIT Precision synthetic stone (fine and medium grit)
SPC	COARSE Precision synthetic stone
SPF	FINE Precision synthetic stone
SPM	MEDIUM Precision synthetic stone



Instrument Sharpeners

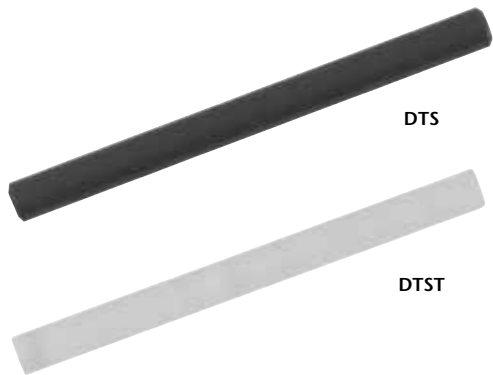
REF	Description	Diameter
560-26490	Instrument Sharpener #5	3/16"
560-26510	Instrument Sharpener #7	1/4"
560-26530	Instrument Sharpener #9	5/16"
560-26550	Instrument Sharpener #11	7/16"
560-26570	Instrument Sharpener #14	9/16"
560-26590	Instrument Sharpener #17	5/8"
560-26610	Instrument Sharpener 6/Set (one of each number)	



Miltex® Edge Scissor Sharpener

REF	Description
5-5000	MILTEX Edge Scissors Sharpener, not intended for serrated or SuperCut scissors





DTS

DTST

SHARPENERS

Thompson™ Sticks

These sticks can be sterilized and are used for checking instrument sharpness/edge.

REF	Description
DTS	Thompson™ Delron Sharpening test stick black (6)
DTST	Thompson™ Delron Sharpening test stick clear (6)



STN-OIL

Sharpening Stones & Honing Oil

Miltex® sharpening stones and honing oil provide clinicians with the proper tools for re-establishing an instrument's proper cutting edge. The honing oil should be used with the Arkansas and India Stones only.

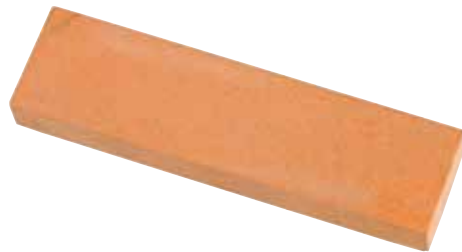
REF	Description
STN-ARK-CON	Stone, Arkansas Conical, Super Fine Grit
STN-ARK-FLT-4	Stone, Arkansas No. 4 Flat, Hard Fine Grit
STN-IND-CON-309	Stone, India No. 309, Fine Grit
STN-IND-FLT-1	Stone, India No. 1 Flat, Fine Grit
STN-IND-WDG-6	Stone, India No. 6 Wedge, Medium Grit
STN-OIL	Oil, Honing



STN-ARK-CON



STN-ARK-FLT-4



STN-IND-FLT-1



STN-IND-CON-309



STN-IND-WDG-6

INSTRUMENT SHARPENING INSTRUCTIONS

Why sharpen instruments?

Instruments should be kept as true to their original design as possible. Sharp instruments can reduce hand and wrist fatigue, improve calculus removal, save time, improve tactile sensitivity and can minimize patient discomfort.

When to sharpen instruments?

Instruments should be sharpened before each use; however, please consider the following when deciding to sharpen instruments:

- Dull instruments require excessive amounts of pressure to remove calculus
- Dull instruments require multiple strokes to remove calculus
- Dull instruments do not “grab” or “bite”
- The number of uses between sharpening
- Evaluation of the cutting edge against a Delron™ stick
- Patient comfort and evaluation

Instruments can be sharpened by using several different types and shapes of stones

- **Arkansas stones** - Natural stone (used for routine sharpening and finishing)
 - a. Flat stone – used in routine sharpening and finishing the edge and toe of an instrument
 - b. Conical stone – used in routine sharpening and finishing the toe and face of an instrument
- **India stones** - Synthetic stone (used for re-contouring a dull instrument)
 - a. Flat stone – used in re-contouring dull edges and toes of an instrument
 - b. Cylindrical – used in re-contouring dull toes and faces of an instrument
 - c. Wedge – used in re-contouring dull edges, toes and faces of an instrument
- **Ceramic stones** - Synthetic stone (used for routine sharpening and finishing of an instrument)
 - a. Flat stone – used in routine sharpening and finishing of the edge and toe of an instrument
 - b. Cylindrical stone – used in routine sharpening and finishing of the toe and face of an instrument

How to sharpen instruments?

Stone moves while instrument is held stationary

1. Place 1 drop of Miltex Honing Oil on the Arkansas or India stone. No lubrication is required on ceramic stones. (Only apply oil if oil was not previously applied to stone or if more lubrication is needed).
2. Hold the instrument in one hand, while applying the stone to the lateral surface of the point of the blade, forming a 110° angle with the face of the blade.
3. Position the stone to contact the heel of the blade and work toward the tip, keeping the stone in contact with the blade throughout the sharpening procedure.
4. Move the stone up and down against the blade with short strokes, placing more pressure on the down stroke. (Do not move the instrument).
5. Finish sharpening the instrument with a down stroke to prevent a rough edge from forming.
 - a) Metal particles and lubricant will accumulate on the blade and can be wiped off with sterile gauze. (This is also an indication that the right angulation was maintained during the sharpening process).
6. For sickle scalars, continue sharpening to the point. For curettes, continue around the toe to maintain its curved shape.
7. Test for sharpness with a plastic Miltex® Delron™ stick. If the blade is sharp, it will grab into the stick. If the blade is dull, it will slide over the stick without grabbing. If the blade is still dull after sharpening, re-evaluate the angle of the stone and repeat the sharpening procedure (steps 2-6).
8. Repeat the procedure described above to sharpen the other side of sickle scalars and universal curettes.



STEP 1



STEPS 2 & 4



STEP 7



ROUNDING THE TOE
CURVED SICKLE



ROUNDING THE TOE
STRAIGHT SICKLE

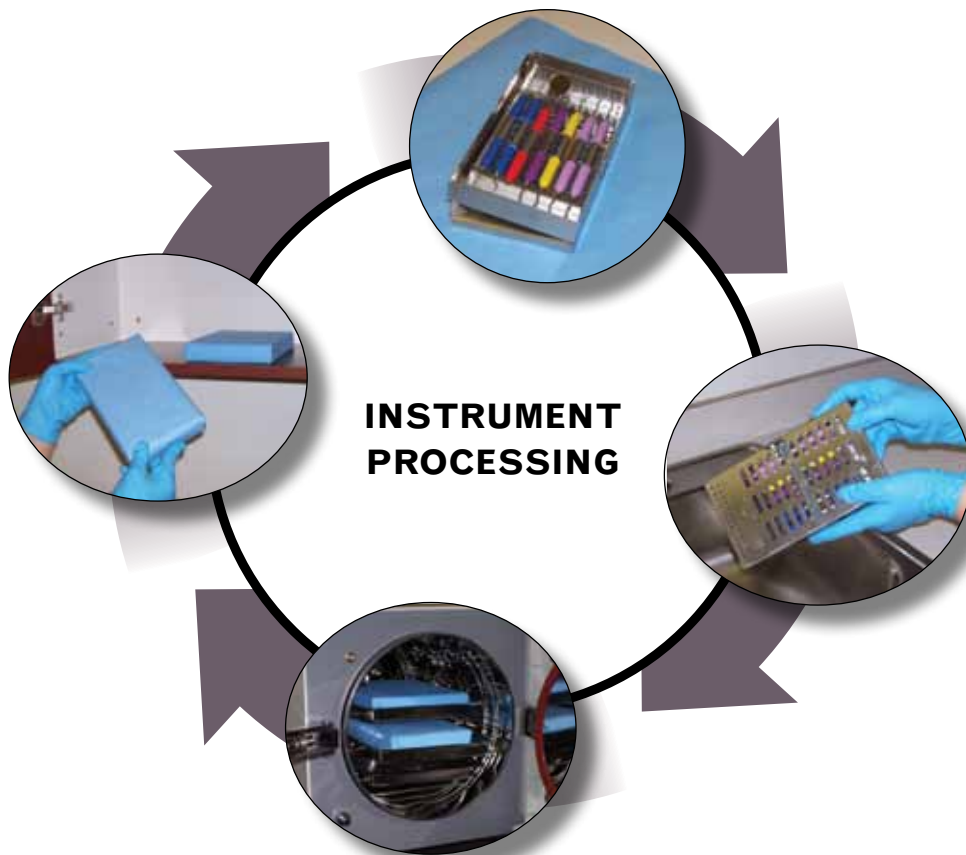
Rounding the toe of currettes

1. Place 1 drop of Miltex Honing Oil on the Arkansas or India stone. No lubrication is required on ceramic stones. (Only apply oil if oil was not previously applied to stone or if more lubrication is needed).
2. Place stone at a 45° angle to the face of the instrument.
3. Using downward strokes, rotate the stone around the toe of the instrument.

Sharpening the face of dental instruments

Sharpening the face of periodontal instruments is only recommended for removing a roughened edge. Extraneous grinding of the face can weaken the instrument blade.

- For currettes and curved sickles, use a conical or cylindrical stone. (Arkansas Conical, part number: STN-ARK-CON or India No. 309, part number: STN-IND-CON-309).
 1. Place 1 drop of Miltex Honing Oil on the Arkansas or India stone. No lubrication is required on ceramic stones.
(Only apply oil if oil was not previously applied to stone or if more lubrication is needed).
 2. Place the stone at the junction between the face and the shank of the instrument.
 3. Roll the stone across the face of the instrument, moving toward the toe of the instrument.
 4. Use as few strokes as possible and use light, even pressure.
- For straight sickle instruments, use a flat stone (Arkansas No. 4 flat, part number: STN-ARK-FLT-4 or India No.1, part number STN-IND-FLT-1).
 1. Place 1 drop of Miltex Honing Oil on the Arkansas or India stone. No lubrication is required on ceramic stones.
(Only apply oil if oil was not previously applied to stone or if more lubrication is needed).
 2. Place the stone on the entire facial surface of the instrument.
 3. Move the stone across the facial surface in a back and forth motion.
 4. Use as few strokes as possible and use light, even pressure.



INSTRUMENT PROCESSING – Keep it Simple and Safe

1. Chairside Use

- a. Use instruments as recommended for procedure
- b. After procedure is complete, wipe off instruments and place them back into Thompson™ cassettes
- c. Dispose of cotton rolls, gauze and autoclave wrap
- d. Fold and close the cassette lid

CAUTION: Do not use any unused instruments in the cassette once soiled items have been placed back into the cassette.

2. Cleaning

- a. Add Miltex® EZ-Zyme® (3-750, 3-755) or Surgical Instrument Cleaner (3-725, 3-726) into the ultrasonic cleaner
- b. Add hot tap water as directed
- c. Remove instruments from cassette and place into ultrasonic cleaner
- d. Place lid on ultrasonic unit and process instruments for full recommended cleaning cycle (Note: Change solution frequently, or as often as the manufacturer recommends)
- e. Remove instruments. Rinse thoroughly under warm water
- f. Allow instruments to dry

3. Sterilization

- a. All instruments and cassettes should be completely dry
- b. Open Thompson™ cassettes and place inspected instruments into the cassette.
- c. Add Steam Indicator Strips (STDIND)
- d. Wrap the Thompson™ cassettes with CSR wrap and seal with STEAM Autoclave Tape
- e. Date and code label applied to the wrap, if used.
- f. Place wrapped and labeled Thompson™ cassette into sterilizer (See attached cassette and sterilizer compatibility charts)
- g. Sterilize instruments and Thompson™ cassettes per the manufacturer's instructions

4. Sterile Storage

- a. Place wrapped Thompson™ cassettes in storage area until needed

5. Delivery

- a. Retrieve wrapped cassettes from storage area
- b. Place cassette on intended tray or work surface
- c. Open wrap from the cassette
- d. Open the cassette and fold the double hinged lid under the cassette bottom.
- e. Inspect Steam Indicator Strip to ensure instruments have been exposed to the sterilization process.

CLEANING, STERILIZATION & MAINTENANCE OF INSTRUMENTS

1. HOLDING/PRESOAK

Never hold instruments in a dry container. Doing so allows blood and debris to dry onto instrument surfaces and makes cleaning more difficult. If rinsing and decontamination processes are not immediately available, pre-treat instruments or hold them in a neutral pH holding/presoak enzymatic solution after patient use but before actual cleaning. Miltex® Instrument Prep Enzyme Foam (3-760) is a ready to use foaming spray for pre-cleaning soiled instruments and scopes. Simply spray the foam on instruments until they are ready for processing. Also, Miltex® EZ-Zyme® (3-750 and 3-755) neutral pH all purpose multi-enzyme concentrate is ideal for instrument presoaking and pre-cleaning. As soon as possible, rinse and clean as described in the following steps:

2. RINSING

Always wear safety protection gear. Immediately after surgery, remove organic materials by rinsing instruments under warm (not hot) running water. Rinse should remove most blood, fluids and tissue. Do not process dissimilar metals (stainless, copper, chrome plated, etc.) together.

Note: *Disinfection can be included to protect medical personnel from contamination during cleaning; however, protection can also be accomplished by following standard precautions and wearing appropriate PPE as promulgated by OSHA & AORN.*

3. CLEANING

All blood, dried body fluids and tissue should be completely removed from the instruments prior to sterilization. Several methods for removing these materials are available.

- A. **Soak:** An enzymatic cleaner bath (soak) such as Miltex® EZ-Zyme® (3-750 and 3-755) or a solution of water and neutral pH 7 detergent such as Miltex® Surgical Instrument Cleaner (3-720, 3-725 and 3-726) is effective in removing organic material from instruments. Use distilled (demineralized) water if possible. Instruments should be fully submerged for at least 10 minutes. Do not let “sharps” (scissors, knives, osteotomes, etc.) touch each other. Ensure that dissimilar metal instruments are separated. Rinse instruments under running water to remove solutions and change solutions frequently.
- B. **Ultrasonic Cleaning:** Most instrument manufacturers recommend ultrasonic cleaning as the most effective way to clean surgical instruments, particularly instruments with hinges, box locks and other moving parts.
- All instruments must be fully submerged in an open position, using distilled (demineralized) water if possible. To prevent possible surface scratching make sure that “sharps” do not touch other instruments. Also, separate instruments of dissimilar metals.
 - Process instruments for the full recommended ultrasonic cleaning cycle. Change solution frequently or as often as the manufacturer recommends.
 - Rinse instruments with water to remove the cleaning solution. Miltex® EZ-Zyme® (3-750 and 3-755) or Miltex®

Surgical Instrument Cleaner (3-720, 3-725 and 3-726) can be safely used with all ultrasonic units.

- C. **Automatic Washer Sterilizers:** Following manufacturers' recommendations, ensure instruments are lubricated before the sterilization cycle and after the last rinse cycle.

CAUTION: Needle holders and forceps may crack if sterilized with ratchet in closed position.

- D. **Manual Cleaning:** If ultrasonic cleaning is not available, observe the following steps:

- Use stiff nylon cleaning brushes (3-1000). Do not use steel wool or wire brushes except stainless steel wire brushes (3-1001) specifically recommended for cleaning instrument serrated areas, bone files, burs or on stained areas of knurled handles.
- Use only neutral pH 7 detergents such as Miltex® Surgical Instrument Cleaner (3-720, 3-725 and 3-726). If not rinsed off properly, low pH (acidic - less than 6 pH) detergents break down the stainless protective surface resulting in pitting and/or black staining on instruments. High pH detergents (alkaline - more than 8 pH) can cause brown stains (phosphate surface deposit) which can also interfere with the smooth operation of instruments. Most brown stains are not rust and are easily removed with Miltex® Surgical Instrument Stain Remover (3-740).
- Brush delicate instruments carefully and if possible, separate them from general instruments.
- Make sure instrument surfaces are visibly clean and free from stains and tissue. Miltex® Surgical Instrument Stain Remover (3-740) can help remove residue stains. This is also a good time to inspect each instrument for proper function and condition.
- Check scissors' blades to ensure proper function. Blades should open and close smoothly. Test cutting performance at 3/4 length of the blade with the materials recommended below. Scissors should cut all the way to the tips. Recommended cutting test materials:
 - Fine/Delicate scissors: Surgical glove
 - Medium scissors: Single layer of stocking/cast netting
 - Large/Utility scissors: Double layer of stocking/cast netting
- Check forceps (pickups) for proper jaw alignment. Teeth must meet properly without catching.
- Check hemostats and needle holders to ensure jaw tips close in first ratchet position and that the entire jaw closes in third ratchet position. Check instruments for loose hinges and verify that they lock and unlock easily. Also check instruments for wear on jaw surfaces.
- Suction tubes should be clean inside.

- Test Biopsy Punches by punching a clean hole in 3-6 mil thick poly-bag material. If poly-bag material is not available, use tissue paper.
- Retractors should function properly.
- Cutting edge instruments and knives should be sharp and free of damage.
- After scrubbing, rinse instruments thoroughly under running water. While rinsing, open and close scissors, hemostats, needle holders and other hinged instruments to ensure that hinged areas are rinsed out and that no debris remains.

4. AFTER CLEANING

Separate dissimilar metals prior to sterilizing/autoclaving. If instruments will be stored, allow them to air-dry and store them in a clean and dry environment.

5. AUTOCLAVING

- A. Lubricate all hinged instruments** which have any “metal to metal” action at the screw or box lock. A non-silicone, water-soluble surgical lubricant such as Miltex® Lube (3-700 or 3-705) is recommended. Do not use industrial oils or lubricants.
- B. Sterilize instruments** either individually or in sets.
- **Individual Instruments:** Disposable paper or plastic pouches are ideal. Make sure to use a wide enough pouch for instruments with ratchet locks so instruments can be sterilized in an open (unlocked) position. Instruments locked during autoclaving can develop cracked hinges (box locks) or other problems because of heat expansion. If wrapping instruments, make sure the towel does not contain detergent residue which can stain instruments.
 - **Instrument Sets:** Unlock all instruments and sterilize in an open position. Place heavy instruments on the bottom of set (when two layers are required). Do not overload the chamber because an air pocket that hinders steam penetration may form.

CAUTION: At the end of the autoclave cycle and before the drying cycle, unlock the door and open it no more than a crack, about 1/4” (6.4 mm), then run the dry cycle for the period recommended by the autoclave manufacturer. If the autoclave door is fully opened before the drying cycle, cold air will rush into the chamber and will cause condensation to form on the instruments, resulting in water stains or causing wet packs. Make sure autoclave filters and chambers are cleaned as recommended by the manufacturer. Miltex® Surgical Instrument Stain Remover (3-740) is effective in removing stains and in cleaning the autoclave chamber. If you have any unusual staining on your instruments after sterilization, obtain our Instrument Care System Video tape (3-810) or contact your local Miltex® representative.

We recommend these Miltex® products to properly safeguard and care for your quality instruments.

REF	Description	Use During
3-760	Instrument Prep Enzyme Foam 24 oz. spray	• Holding & presoak
3-750	EZ-Zyme®, All Purpose Enzyme Cleaner Box 32 - 3/4 oz. packets	• Holding & presoak • Soak cleaning • Ultrasonic cleaning • Manual cleaning • Laundry presoak
3-755	EZ-Zyme®, All Purpose Enzyme Cleaner 1-gallon pump bottle	
3-700	Spray Lube 8 oz. spray bottle	• Before autoclaving
3-705	Surgical Instrument Lubricant 1-gallon pump bottle	
3-710	Surgical Instrument Cleaner & Lubricant - 1-gallon pump bottle	• Manual cleaning • Washer/decontaminator • Ultrasonic cleaning
3-720	Surgical Instrument Cleaner 8 oz. spray bottle	• Soak cleaning • Ultrasonic cleaning • Manual cleaning
3-725	Surgical Instrument Cleaner 1-gallon pump bottle	
3-726	Surgical Instrument Cleaner Box 80 - 1/4 oz. packets	
3-740	Surgical Instrument Stain Remover 3 oz. jar	• Stain removal
3-1000	Nylon Instrument Cleaning Brushes 3-pack	• Manual cleaning of instruments
3-1001	Stainless Steel Instrument Cleaning Brushes 3-pack	
3-800	Instrument Care System	• Complete instrument care
3-810	Instrument Care DVD	• Training personnel in the care of instruments

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MILTEX® WARRANTY

INSTRUMENTS AND PRODUCTS

Miltex® hereby warrants all Miltex® products purchased directly from Miltex or from an Authorized Dealer in accordance with the following terms and conditions:

All Miltex® instruments and products are guaranteed to be free from defects in material and workmanship when used for their intended surgical or dental purpose. Any Miltex® product that proves defective in workmanship or material will either be repaired or replaced without charge, at Miltex's discretion. Products not purchased from an authorized source may not be authentic or may not meet Miltex's quality standards and may have been tampered with.

Other Instrument and Product Warranties:

- . Union Broach® Chiropractic Mallet – 90 days
- . Union Broach® Electrical Devices – 1 year except for Sprint™ TCM – 2 years
- . Cassettes - 4-year warranty on all moving parts and lifetime guarantee against corrosion

REPAIRS

Instruments and products repaired by the Miltex® Instrument Repair Service are guaranteed to be free from defects in material and workmanship for 90 days when used for their intended surgical or dental purpose. Any Miltex repair that proves defective in workmanship or material within this 90-day period will either be repaired again or replaced without charge, at Miltex's discretion. Instruments must be cleaned and sterilized prior to returning to Miltex for repair.

WARRANTY EXCEPTIONS

This warranty is void for Miltex® instruments and products serviced by any person or by any facility other than the Miltex® Instrument Repair Services. Any custom made, custom etched or neutralized products are not returnable. Warranties are not valid for Miltex® instruments and products that prove defective as a result of improper care and cleaning or misuse. Instruments or products that are damaged in fire, flood or other acts or disasters are also excluded from warranty. Except as set forth in these Terms and Conditions, Miltex makes no other representations and warranties regarding its instruments or products, either expressed or implied. In addition, in no event will Miltex be liable for any incidental, special or exemplary damages or loss of profits in connection with the use of Miltex® instruments and products.



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