

Miltex[®]
Redefining Excellence



HYGIENE INSTRUMENTS

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INTRODUCTION

Miltex, Inc. offers a complete line of hygiene hand instruments. Our hand instruments have wear-resistant, razor sharp points and are offered in a variety of handle options. The Miltex® product offering includes, but is not limited to, the following products:

- **GripLite® S⁶ Instruments** – size 6 stainless steel handles with silicone grips
- **GripLite® Instruments** – lightweight size 6 resin handles with silicone grips
- **Tactile Tone™ Instruments** – size 3 stainless steel handles with ergonomic bumps and silicone grips
- **Stainless Steel Size 6 Instruments** – larger diameter size 6 hollow handles with knurling
- **Stainless Steel Size 2 Instruments** – round size 2 handles with knurling
- **Mirrors** – Multiple sizes available in front and plane surfaces
- **Syringes** – aspirating, self-aspirating and intraligamentary styles



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GRIPRITE® & GRIPRITE® S⁶ HANDLES

- GripLite® instruments feature lightweight size 6 resin handles
- GripLite® S⁶ instruments feature lightweight size 6 stainless steel handles
- Ergonomically designed grips provide excellent tactile feel
- Anti-roll feature prevents instruments from rolling when placed on trays
- Color coding by instrument families
- Color code rings are available for instrument personalization or procedural set-ups
- Wider diameter handles reduce hand and wrist fatigue



TACTILE TONE™ HANDLES

- Silicone grips provide cushioned, stable grip
- Color coding by instrument families



STAINLESS STEEL HANDLES

- Hollow lightweight handles reduce hand and wrist fatigue
- Knurling on handles provides better gripping
- Variety of handle sizes (Size 2, Size 6 and Round) meets individual needs



#6



#2



Round

OCTAGONAL HANDLES

- Octagonal stainless steel handles
- Options for knurled or smooth handles
- Mirror handles available with rulers



Knurled



Smooth



w/Ruler

MILTEX® MAGNIFICATION LOUPES

With Set and Forget™ Optics, you do not have to be individually measured to get a custom fit. All Miltex® optics allow you to set your interpupillary distance, convergence and declination angle for perfect optical alignment. The optics are quickly and easily locked into your individual setting so your loupes are always perfectly aligned.



Features and Benefits

- | | |
|-------------------------------------|---|
| 1. Set and Forget™ Optics | Optics are quickly and easily locked into place |
| 2. Dual Hinge Design | Allows for easy flip up of optics |
| 3. Auto Locking Interpupillary Knob | Allows for secure adjustment of your settings |
| 4. Double locking convergence angle | Provides stable alignment of optics |
| 5. Lightweight sports frame | More comfortable, stylish look |
| 6. 180 degree wrap around shield | Exceeds ANSI Z87.1 and high impact standards for eye protection devices |
| 7. Soft nose pad | Reduces pressure on nose ridge |
| 8. Non slip, padded temples | Provides more secure fit during product use |

Loupes Description			Miltex® Part Number	Miltex® Part Number
Magnification	Working Distance	Field of View	RED FRAME	BLACK FRAME
2.5x	10"-13" (S)	3.5" (S)	1-5000	1-5011
	12"-15" (R)*	3.8" (R)	1-5001	1-5012
	14"-17" (L)*	4.3" (L)	1-5002	1-5013
	16"-20" (XL)	4.6" (XL)	1-5003	1-5014
3.0x	10"-13" (S)	2.8" (S)	1-5004	1-5015
	13"-16" (R)	2.5" (R)	1-5005	1-5016
	16"-21" (L)	3.5" (L)	1-5006	1-5017
	18"-22" (XL)	4.0" (XL)	1-5007	1-5018
3.5x	13"-16" (R)	2.3" (R)	1-5008	1-5019
	16"-20" (L)**	3.0" (L)	1-5009	1-5020
	18"-22" (XL)	3.5" (XL)	1-5010	1-5021

* Most popular loupes for hygiene

** Most popular loupes for endodontic procedures

Kit Contents

- Magnification Loupes & Frame
- Head Strap
- Flip Paddle
- Lens Covers
- Storage Case
- Cleaning Cloth
- Cleaning Solution
- Screwdriver



Miltex® Accessory Items

1-5022	Loupes RX (Prescription) Insert
1-5023	Loupes Red Frame
1-5024	Loupes Black Frame
1-5025	Loupes Flip Paddle



1-5022 Loupes Rx Insert

RECOMMENDED PROCEDURAL KITS

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 together sequentially.
- Clean, sterilize and store instruments quickly and easily.
- Protect instruments against damage.

The following setups can be used as a guideline 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 or customerservice@miltex.com for additional information.

Exam Set-Up

REF	Description
3-083105	Cassette Series 5-5 instrument single rack
67-700/5	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

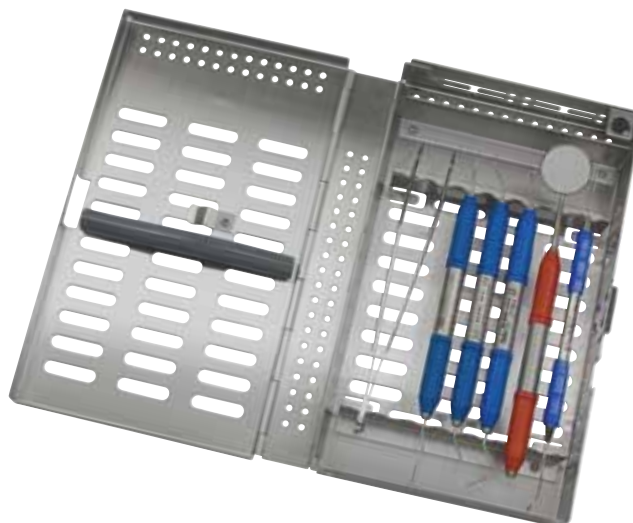


Exam Set-Up

***Tactile Tone™** handles pictured; different instrument handle styles are available.

Perio Exam Set-Up

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



Perio Exam Set-Up

***GripLite® S6** handles pictured; different instrument handle styles are available.

COLLEGE (COTTON) PLIERS



66-311

66-312A

REF	Description
66-311	311 Dental Cotton (College) Pliers, forked tips, smooth
66-312A	312A Dental Cotton (Perry) Pliers, angled, serrated tips
66-317	317 Dental Cotton (College) Pliers, serrated tips
66-317A	317A Dental Cotton (College) Pliers, extra fine tips, serrated
66-317B	317B College Pliers, X-fine tips, serrated w/long fine points
66-317S	317 Dental Cotton (College) Pliers, smooth tips
66-318	318 MERIAM Pliers, serrated tips
66-318-49	318-49 College Pliers, non-pinch, fine points, serrated
66-49	49 College Pliers, non-pinch, fine points, serrated
66-652	Cotton Pliers with lock, serrated tips
66-656	Cotton Pliers with lock, grooved tips
V966-317	VANTAGE College Pliers, 6" (15.2 cm), with pin, serrated tips
V966-652	VANTAGE Self-Locking College Pliers 6" (15.2 cm), serrated tips



66-318



66-652
V966-652



66-656



66-317
V966-317



66-317A



66-317B



66-317S



66-318-49



66-49

EXPLORERS – DOUBLE-ENDED

Used to examine teeth for caries and calculus detection, exploration of furcations, restorations and pocket characteristics.

Description	GripLite® S6	GripLite®	Tactile Tone™	Stainless #6	Round	Octagonal
1	-	-	-	-	69-6201	-
2	-	-	EE2	-	69-6200	69-2D
2A	-	-	EE2A	-	69-6202A	-
2SL	-	-	EE2SL	-	69-6202SL	-
3	-	-	EE3	70-312	69-6202	69-3D

Images are enlarged to show more detail



GripLite S⁶



GripLite



Tactile Tone™



Stainless Steel #6



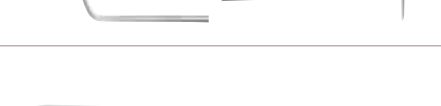
Round



Octagonal

EXPLORERS - DOUBLE-ENDED

Used to examine teeth for caries and calculus detection, exploration of furcations, restorations and pocket characteristics.

Description		GripLite® S6	GripLite®	Tactile Tone™	Stainless #6	Round	Octagonal
3CH		-	-	EE3CH	70-311	69-6204	-
3ES		-	-	EE3ES	-	69-6203ES	-
3ML		-	-	EE3ML	-	69-6203ML	-
5		80-5302	70-5302	EE5	70-310	69-6206	69-5D
6		-	-	EE6	-	69-6205	69-6D
7		-	-	EE1314	-	69-6207	69-7D
16		-	-	EE16	70-324	69-6208	-
16/17		-	-	EE1617	-	017-24106	-
16/23		-	-	EE1623	-	-	-
ODU 11/12		80-5301	70-5301	EE1112	70-314	-	-
Tufts 17-23		80-5303	70-5303	EE1723	70-313	69-6209	-

Images are enlarged to show more detail

EXPLORERS – SINGLE-ENDED

Used to examine teeth for caries and calculus detection, exploration of furcations, restorations and pocket characteristics.

Description		GripLite® S6	GripLite®	Tactile Tone™	Stainless #6	Round	Octagonal
3A		-	-	-	-	69-6220	69-3A-S
6		-	-	FE6	-	69-6222	69-6S
7		-	-	-	-	69-6223	69-7S
9		-	-	FE9	-	-	-
17		-	-	FE17	-	69-6224	69-17S
23		80-5300	70-5300	FE23	70-315	69-6226	69-23S

Images are enlarged to show more detail

FACT:

Alternating handle sizes is recommended to reduce stress related disorders of the hand and wrist.

EX-PROBE

Double ended instrument with a probe point on one end and an explorer point on the other end. Ex-probes eliminate the need for two instruments as one end can be used for examination and the other end can be used to measure pocket depths.

Description		Markings	GripLite® S6	GripLite®	Tactile Tone™	Stainless #6	Round	Octagonal
23/0		3, 6, 8	-	-	EE023	-	69-6338	-
23/0W		1-3, 5, 7-10	80-5401	70-5401	EE0W23	70-323	69-6339	-
23/4		3, 6, 9, 12	80-5400	70-5400	EE423	70-321	69-6340	-
17/GF		2-4, 6, 8-11	-	-	-	-	69-6330	-
1-23/ PE1-23		1-3, 5, 7-10	-	-	EE123	-	69-6337	69-6214
15-23/UNC		1-15	-	-	EE1523	70-322	69-6342	-
23/WHO		3.5, 5.5, 8.5, 11.5	80-5402	70-5402	EEWHO23	-	69-6341	-

Images are enlarged to show more detail



GripLite S⁶



GripLite



Tactile Tone™



Stainless Steel #6



Round



Octagonal

PROBES – DOUBLE-ENDED

Color coded points used to measure periodontal pocket depth and attachment levels in millimeter increments.

Description		Markings	GripLite® S6	GripLite®	Tactile Tone™	Round	Octagonal
1/UNC15		(L) 1-3, 5, 7-10 (R) 1-15	80-5350	70-5350	EE115	69-6332	-
2		1-3, 5, 7-10	-	-	EE2	-	-
4/UNC15		(L) 3, 6, 9, 12 (R) 1-15	-	-	EE415	69-6333	-
Baylor 1/2		3, 6, 9, 12 (curved end) 3, 6, 8, 11 (straight end)	-	-	EEB12	69-6334	-
C		3, 6, 9, 12	-	-	-	-	69-6216
GF 18 (1/2)		1-3, 5, 7-10	-	-	EE12	69-6331	69-6212
Nabor 2		(L) 3, 6 / (R) 3, 6	-	-	EEN2	69-6336	-

Images are enlarged to show more detail



GripLite S6



GripLite



Tactile Tone™



Stainless Steel #6



Round



Octagonal

PROBES – SINGLE-ENDED

Color coded points used to measure periodontal pocket depth and attachment levels in millimeter increments.

Description		Markings	GripLite® S6	GripLite®	Tactile Tone™	Stainless #6	Round	Octagonal
1 (Williams)		1-3, 5, 7-10	-	-	FE1	70-317	69-6313	-
2 (Goldman Fox)		1-3, 5, 7-10	-	-	FE2	-	69-6317	-
4 (X2)		3, 6, 9, 12	80-5351	70-5351	FE4	70-316	69-6318	69-6218
O (Michigan)		3, 6, 8	-	-	FE0	-	69-6314	-
OW		1-3, 5, 7-10	-	-	FE0W	70-318	69-6315	-
UNC15		1-15	-	-	FE15	70-320	69-6320	-
WHO (PSR)		3.5, 5.5, 8.5, 11.5	-	-	FEWHO	70-319	69-6319	-

Images are enlarged to show more detail



Miltex® probe measuring periodontal pocket depth.

FACT:

Miltex® probes feature black color coded depth markings that will withstand commonly used sterilization methods.

DENLITE® ILLUMINATED MIRROR

The DenLite® Illuminated Mirror System is designed to give Dental Professionals a shadow-free view of the mouth during routine dental exams. This system provides Dental Professionals with a bright white light, eliminating the need for constant adjustment of cumbersome overhead lights during everyday procedures.

The DenLite® Illuminated Mirror system is the only cordless, illuminated dental instrument that can be used as a mirror while also being strong enough to be used as a retractor during an oral examination.

Features and Benefits

Bright White Light - a one-watt LED light provides shadow-free, glare-free illumination that's safe for use around composites

Convenience - a lightweight cordless ergonomic handpiece

Safety - disposable mirror heads and autoclavable hand piece eliminate the risk of cross-contamination

REF	Description
DP5000	DenLite LED Complete Starter Kit
DP5150	DenLite LED Light Cartridge
DP5200	DenLite Handle Set (3 handles/set)
DP5400	DenLite Charger Set 9 (charger and batteries included)
DP5030	DenLite Disposable Mirrors, single use (50 mirrors per box - used with DP5000)
DP5250	DenLite Handpiece Collet Assembly
DP5070	DenLite Illuminator Tip
DP1030-3	DenLite Disposable Mirror, 110V, 3 boxes of 72 mirrors (used with DP1000 AND DP1500)
DP1020	DenLite Lamp for DP1000
DP1520	DenLite Lamp for DP1500



Handpiece shown
with DP5030



DP5000



DP5030 - Clear image



DP1030-3 - Enhanced clear
image for better visualization



Disposable mirror heads and autoclavable hand piece eliminate the risk of cross-contamination.

FACT:

MIRROR HANDLES

Available in cone socket and simple stem patterns with a variety of handle options.

Description	GripLite® S6	GripLite®	Tactile Tone™	Stainless #6	Round	Octagonal Knurled	Octagonal Smooth	Octagonal w/Ruler	RMH
Cone Socket Single End Single Pack	80-5450	70-5450	UM	70-300	011-26643	011-26641	011-26642	67-688	011-26628
Cone Socket Single End 12 Per Pack	-	-	-	-	67-685	67-680	-	-	-
Cone Socket Double End Single Pack	80-5451	70-5451	-	-	-	-	-	-	-
Simple Stem Single End Single Pack	80-5152	70-5152	UMS	70-301	-	011-26601	011-26602	-	-
Simple Stem Single End 12 Per Pack	-	-	-	-	67-686	67-684	-	-	-



GripLite^{S6}



GripLite



Tactile Tone™



Stainless Steel #6



Round



Octagonal – Kurled



Octagonal – Smooth



Octagonal w/Ruler



RMH Integrator™



SILICONE MIRROR HANDLES

Cone socket silicone mirror handles are ergonomic and lightweight which helps reduce hand and wrist fatigue. Handles are available in seven different colors and are autoclavable.

REF	Description
67-750	Silicone Mirror Handle, Cone Socket, 7/pk, Purple
67-751	Silicone Mirror Handle, Cone Socket, 7/pk, Green
67-752	Silicone Mirror Handle, Cone Socket, 7/pk, Yellow
67-753	Silicone Mirror Handle, Cone Socket, 7/pk, Blue
67-754	Silicone Mirror Handle, Cone Socket, 7/pk, Orange
67-755	Silicone Mirror Handle, Cone Socket, 7/pk, White
67-756	Silicone Mirror Handle, Cone Socket, 7/pk, Grey
67-757	Silicone Mirror Handle, Cone Socket, 7/pk, Assorted

FRONT SURFACE MIRRORS

A Miltex® front surface mirror eliminates the “ghost effect” because the reflecting layer is no longer behind the glass surface. Front Surface Mirrors provide clearer vision free from distortion.

Sterilizable by standard table top sterilizer:

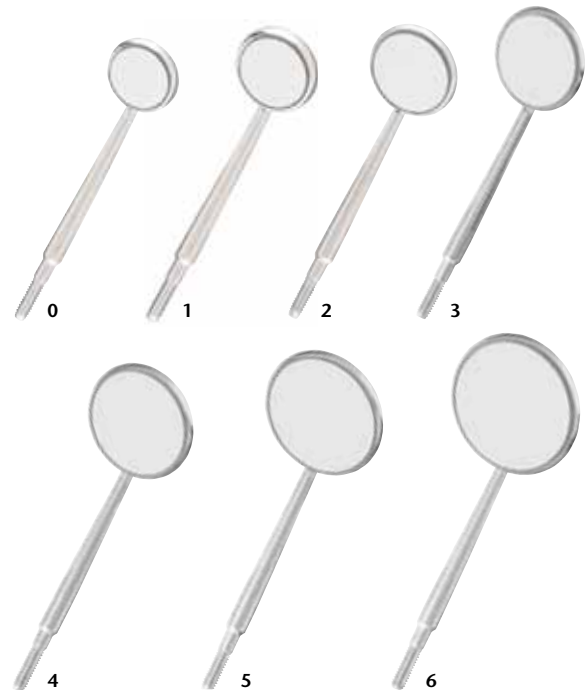
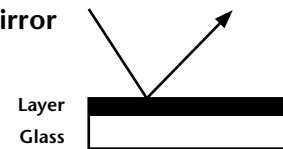
Temperature: 250° F (121° C)

Exposure time: 30 minutes

Front Surface, Cone Socket Mirrors Dozens unless otherwise specified

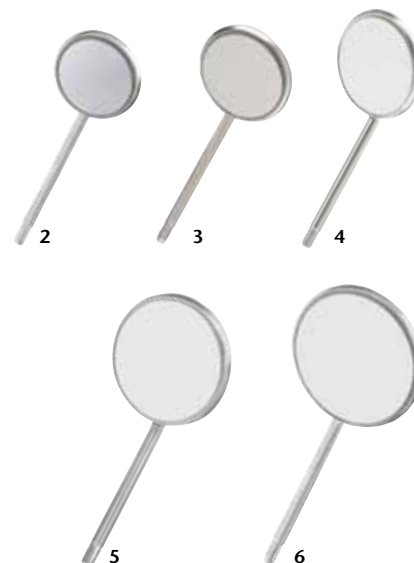
Description	Miltex Mirror	Indian Head
Size 0 (Single Only)	-	011-24703
Size 1 (Single Only)	-	011-24702
Size 2	-	011-24700
Size 2 (Single Only)	-	011-24701
Size 3	67-696/3	011-24692
Size 4	67-696/4	011-24693
Size 5	67-696/5	011-24694
Size 6	-	011-24695
1 1/4" (Single Only)	-	011-24515
1 1/2" (Single Only)	-	011-24511
2"	-	011-24506
2" with Handle	-	011-24507

Front Surface Mirror

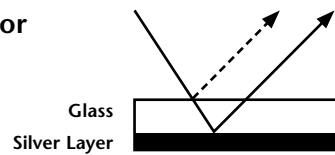


Front Surface, Simple Stem Mirrors Dozens unless otherwise specified

Description	Miltex Mirror	Indian Head
Size 0 (Single Only)	-	-
Size 1 (Single Only)	-	-
Size 2	-	011-24674
Size 2 (Single Only)	-	011-24673
Size 3	67-698/3	011-24677
Size 4	67-698/4	011-24678
Size 5	67-698/5	011-24679
Size 6	-	011-24680
1 1/4" (Single Only)	-	011-24513
1 1/2" (Single Only)	-	011-24509
2" (Single Only)	-	011-24502
2" with Handle (Single Only)	-	011-24503



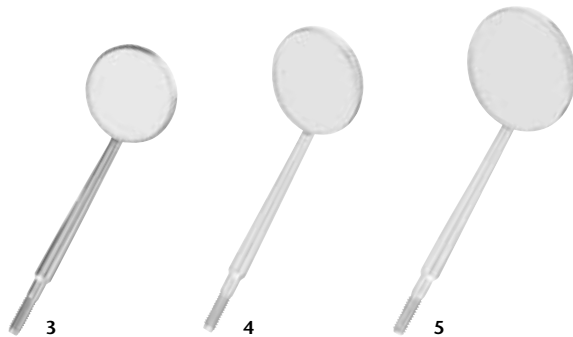
Regular Mirror



PLANE SURFACE MIRRORS

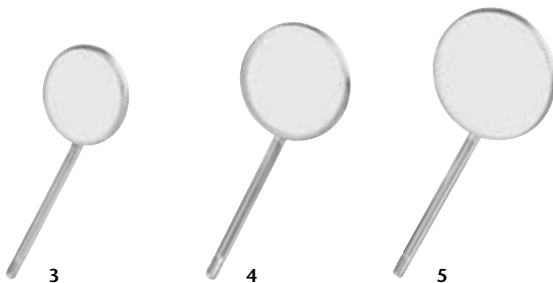
Miltex® plane surface mirrors (also known as regular mirrors) feature a silver coating on the back of the glass. As a result, light is reflected from the top of the glass as well as from the silver layer. This causes a double image. Miltex® plane surface mirrors can only be sterilized in boiling water.

Plane Surface, Cone Socket Mirrors Dozens unless otherwise specified



Description	Miltex Mirror	Indian Head
Size 0	-	-
Size 1	-	-
Size 2	-	-
Size 3	67-664/3	-
Size 4	67-664/4	-
Size 5	67-664/5	-
Size 6	-	-
1 1/4" (Single Only)	-	011-24514
1 1/2" (Single Only)	-	011-24510
2" (Single Only)	-	011-24504
2" with Handle (Single Only)	-	011-24505

Plane Surface, Simple Stem Mirrors Dozens unless otherwise specified



Description	Miltex Mirror	Indian Head
Size 0	-	-
Size 1	-	-
Size 2	-	-
Size 3	67-672/3	-
Size 4	67-672/4	-
Size 5	67-672/5	-
Size 6	-	-
1 1/4" (Single Only)	-	011-24512
1 1/2" (Single Only)	-	011-24508
2" (Single Only)	-	011-24500
2" with Handle (Single Only)	-	011-24501

MAGNIFYING SURFACE MIRRORS

Miltex® magnifying mirrors are also known as concave mirrors. These mirrors feature twice the magnification power of front surface mirrors.

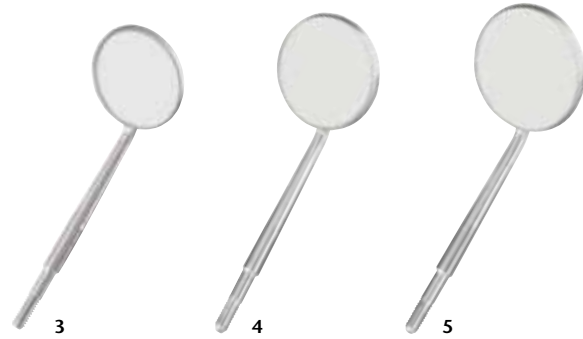
Sterilizable by standard table top sterilizer:

Temperature: 250° F (121° C)

Exposure time: 30 minutes

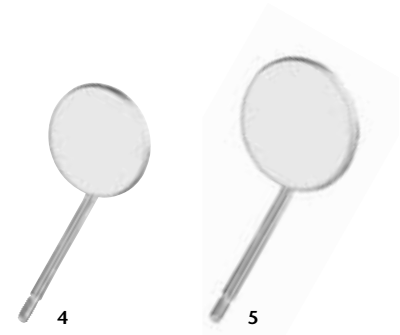
Magnifying Surface, Cone Socket Mirrors
Dozens unless otherwise specified

Description	Miltex Mirror	Indian Head
Size 0	-	-
Size 1	-	-
Size 2	-	-
Size 3	67-668/3	-
Size 4	67-668/4	-
Size 5	67-668/5	-
Size 6	-	-

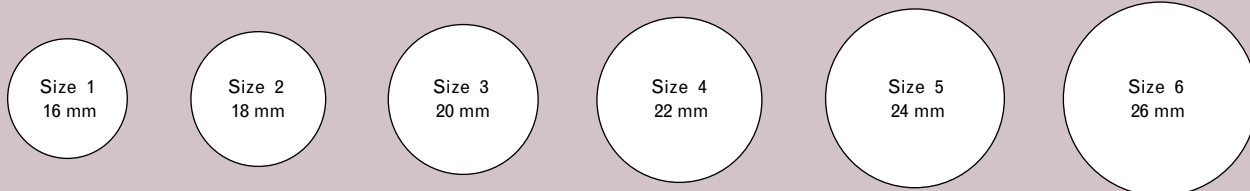


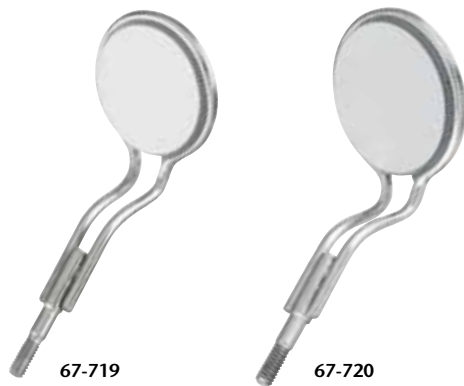
Magnifying Surface, Simple Stem Mirrors –
Dozens unless otherwise specified

Description	Miltex Mirror	Indian Head
Size 0	-	-
Size 1	-	-
Size 2	-	-
Size 3	-	-
Size 4	67-676/4	-
Size 5	67-676/5	-
Size 6	-	-



MIRROR SIZE REFERENCE GUIDE





DOUBLE SIDED FRONT SURFACE MIRRORS

Miltex® double sided mirrors can be used to view both sides of the intra-oral cavity. Six mirrors are in a package. Sterilizable by standard table top sterilizer:
 Temperature: 250° F (121° C)
 Exposure time: 30 minutes

Description	Miltex Mirror
Size 4	67-719
Size 5	67-720



MICRO MIRRORS CONE SOCKET

Miltex® micro mirrors feature a rhodium front surface mirror mounted on stainless steel to assure sharpness and clarity of the reflected surface. The mirrors are used in conjunction with microscopes during micro surgery such as periodontal and endodontic surgeries.

Description	Miltex Mirror
Micro Mirror - 3mm, Oval (ea.)	017-24800
Micro Mirror - 5mm, Oval (ea.)	017-24801
Micro Mirror - 9/3mm, Rectangle (ea.)	017-24802
Micro Mirror - 7/2mm, Rectangle (ea.)	017-24803

RETRO MIRRORS CONE SOCKET

Miltex® retro mirrors feature a highly polished chrome plated brass surface. The mirrors are used for visualization of hard to reach areas of the mouth or are used in conjunction with microscopes during micro surgeries. Autoclavable.

Description	Miltex Mirror
Retro Mirror #1 - 3mm, Round (ea.)	011-24804
Retro Mirror #2 - 5mm, Round (ea.)	011-24805
Retro Mirror #3 - 6mm, Round (ea.)	011-24806



011-24804



011-24805



011-24806



REUSABLE FRONT SURFACE FIBERGLASS MIRRORS

Miltex® fiberglass front surface mirrors are individually wrapped and packaged in boxes of 10. These brightly colored mirrors are autoclavable.

Description	Size 4	Size 5
White	67-800/4	67-800/5
Lavender	67-801/4	67-801/5
Green	67-802/4	67-802/5
Yellow	67-803/4	67-803/5
Rose	67-804/4	67-805/5
Blue	67-805/4	67-805/5



017-26810



017-26811

DISPOSABLE MIRRORS

Miltex® disposable plane surface mirrors are made from a durable plastic and are individually wrapped. These mirrors are ideal for patient home use and for use during air abrasion procedures.

Description	Miltex Mirror
Plane Surface Mirror, Size 4, Economical, 72/box	017-26810
Plane Surface Mirror, Size 4, Economical Deluxe, 72/box	017-26811



017-26805



017-26806



017-26807



017-26808

INTRA ORAL MIRRORS

Miltex® intra-oral mirrors are ideal for photography.

Sterilizable by standard table top sterilizer:

Temperature: 250° F (121° C)

Exposure time: 30 minutes

Description	Miltex Mirror
No. 3 Adult Occlusal Intra Oral Mirror (2 1/2" w x 4" l)	017-26805
No. 1 Adult Buccal Intra Oral Mirror (1 3/4" w x 6" l)	017-26806
No. 2 Adult Lingual Intra Oral Mirror (1 3/4" w x 6" l)	017-26807
No. 3 Child Occlusal Intra Oral Mirror (2 1/2" w x 3 1/2" l)	017-26808

HAND MIRRORS

Miltex® hand mirrors are plane surface mirrors (also known as regular mirrors) and are ideal for patient home-care, patient education or for patient viewing after procedures are completed.

Description	One Side Magnifying One Side Plane	One Side Plane Regular Handle
3 1/2"	017-26842	011-26821
5"	017-26844	-



017-26842



017-26844



011-26821

RECOMMENDED PROCEDURAL KITS

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 together sequentially.
- Clean, sterilize, and store instruments quickly and easily.
- Protect instruments against damage.

The following setups can be used as a guideline 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 or customerservice@miltex.com for additional information.

Root Planing Set-Up

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 Rigid GRIPLITE S6
80-5115	Root Plane Curette 13/14 Rigid GRIPLITE S6
80-5116	Root Plane Curette 15/16 Rigid 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	17/18 McCall Curette GRIPLITE S6
80-5302	5 DE Explorer GRIPLITE S6
80-5303	Tuft 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

Small Prophy Set-Up

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 Prophy Set-Up

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

Pedodontic/Sealant/Implant Set-Up

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

SCALERS – DOUBLE-ENDED

Used to remove supragingival calculus and deposits.

Description	GripLite® S6	GripLite®	Tactile Tone™	Stainless #6	Round	Octagonal
 12	-	-	-	-	70-110	-
 135	-	-	-	70-768	-	-
 137	-	-	-	70-769	-	-
 204	-	-	TP204	70-719	-	-
 204S	80-5000	70-5000	TP204S	70-760	-	70-112
 204SD	80-5001	70-5001	TP204SD	70-731	-	-

Images are enlarged to show more detail



GripLite S6



GripLite



Tactile Tone™



Stainless Steel #6



Round



Octagonal

SCALERS – DOUBLE-ENDED

Used to remove supragingival calculus and deposits.

Description		GripLite® S6	GripLite®	Tactile Tone™	Stainless #6	Round	Octagonal
B 5/6		-	-	-	70-765	-	-
H5/33		80-5004	70-5004	TPJ33H5	70-724	-	70-124
H5/U15		-		TPH5U15	-	-	-
H5/30		-	-	TPJ30H5	-	-	-
H6/7		80-5002	70-5002	TPH67	70-762	-	70-126
Jack/Nebraska		-	-	TPJN	-	-	-
Jacquette 1/U15		-	-	TPJ1U15	-	-	-
Jacquette 1Y/1YS		-	-	-	70-794	70-94	-
Jacquette 1Y/2Y		-	-	-	-	70-92	-
Jacquette 2/3		80-5005	70-5005	TPJ23	70-800	-	70-100
Jacquette 30/33		-	-	TPJ3033	-	-	-

Images are enlarged to show more detail

SCALERS – DOUBLE-ENDED

Used to remove supragingival calculus and deposits.

Description		GripLite® S6	GripLite®	Tactile Tone™	Stainless #6	Round	Octagonal
Jacquette 2S/3S		-	-	TPJ2S3S	70-802	-	70-102
Jacquette 2Y/3Y		-	-	-	70-796	-	-
Jacquette 1S/U5		-	-	TPJ1SU5	-	-	-
U15/30		80-5003	70-5003	TPJ30U15	70-720	-	70-120
Jacquette 31/32		-	-	TPJ3132	-	-	-
U15/33		80-5006	70-5006	TPJ33U15	70-722	-	70-122
Jacquette 34/35		80-5007	70-5007	TPJ3435	-	-	-
Nebraska 128		-	-	TPNE128	-	-	-
Thompson Jr.		80-5008	70-5008	TPTHJR	70-721	-	-
U6/7		-	-	TPU67	-	-	-
Younger-Good 7/8		-	-	TPY078	70-714	-	70-114

Images are enlarged to show more detail

SCALERS-SINGLE SIDED

Used to remove supragingival calculus and deposits.

Description		GripLite® S6	GripLite®	Tactile Tone™	Stainless #6	Round	Octagonal
3		-	-	-	-	-	70-108
128		-	-	UP128	-	-	-
Whiteside 1/0		-	-	-	-	-	70-116
Whiteside 2/0		-	-	-	-	-	70-118
Jacquette 1		-	-	-	-	-	70-104
U15		-	-	-	-	70-90	-

Images are enlarged to show more detail

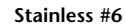
FACT:

Jacquette scalers are also known as straight scalers because the cutting edges on the blade are straight.

GRACEY CURETTES

Gracey Curettes are site specific and are used for scaling, root planing and periodontal debridement. The offset blade provides perfect working angulation to the tooth surface.





Description	GripLite® S6	GripLite®	Tactile Tone™	Stainless #6	Round
 Gracey 1/2	80-5101	70-5101	TPG12	70-730	70-30
 Gracey 3/4	80-5102	70-5102	TPG34	70-732	70-32
 Gracey 5/6	80-5103	70-5103	TPG56	70-734	70-34
 Gracey 7/8	80-5104	70-5104	TPG78	70-736	70-36
 Gracey 9/10	80-5105	70-5105	TPG910	70-738	70-38
 Gracey 11/12	80-5106	70-5106	TPG1112	70-740	70-40
 Gracey 13/14	80-5107	70-5107	TPG1314	70-742	70-42
 Gracey 15/16	80-5108	70-5108	TPG1516	70-743	-
 Gracey 17/18	80-5109	70-5109	TPG1718	70-745	-
 Gracey 11/14	80-5117	70-5117	TPG1114	70-739	-
 Gracey 12/13	80-5118	70-5118	TPG1213	70-741	-

Images are enlarged to show more detail

GRACEY CURETTES - RIGID SHANK

The rigid Gracey Curettes have a thicker, less flexible shank which makes them better suited for moderate to heavy calculus removal.

Tactile Tone™

Stainless #6

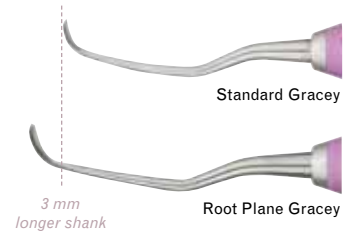


Description	GripLite® S6	GripLite®	Tactile Tone™	Stainless #6
 Gracey 1/2 Rigid Shank	-	-	TPG12R	70-730R
 Gracey 3/4 Rigid Shank	-	-	TPG34R	70-732R
 Gracey 5/6 Rigid Shank	-	-	TPG56R	70-734R
 Gracey 7/8 Rigid Shank	-	-	TPG78R	70-736R
 Gracey 9/10 Rigid Shank	-	-	TPG910R	70-738R
 Gracey 11/12 Rigid Shank	-	-	TPG1112R	70-740R
 Gracey 13/14 Rigid Shank	-	-	TPG1314R	70-742R
 Gracey 15/16 Rigid Shank	-	-	TPG1516R	70-743R
 Gracey 17/18 Rigid Shank	-	-	-	70-745R
 Gracey 11/14 Rigid Shank	-	-	TPG1114R	70-739R
 Gracey 12/13 Rigid Shank	-	-	TPG1213R	70-741R

Images are enlarged to show more detail

GRACEY CURETTES – ROOT PLANE

The shank of the root plane Gracey Curette is 3mm longer than a standard Gracey Curette. This additional length allows for scaling, root planing and periodontal debridement of the pocket and root surface of 5mm or more.

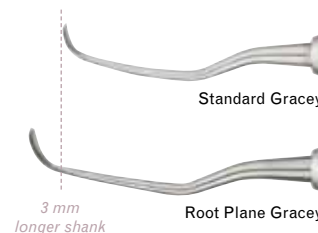


Description		GripLite® S6	GripLite®	Tactile Tone™	Stainless #6
Gracey 1/2 Root Plane		80-5110	70-5110	TPRP12	70-770
Gracey 3/4 Root Plane		80-5111	70-5111	TPRP34	70-772
Gracey 5/6 Root Plane		80-5112	70-5112	TPRP56	70-774
Gracey 7/8 Root Plane		80-5113	70-5113	TPRP78	70-776
Gracey 9/10 Root Plane		-	-	TPRP910	-
Gracey 11/12 Root Plane		80-5114	70-5114	TPRP1112	70-780
Gracey 13/14 Root Plane		80-5115	70-5115	TPRP1314	70-782
Gracey 15/16 Root Plane		80-5116	70-5116	TPRP1516	70-783
Gracey 17/18 Root Plane		-	-	TPRP1718	70-785
Gracey 11/14 Root Plane		-	-	TPRP1114	70-779
Gracey 12/13 Root Plane		-	-	TPRP1213	70-781

Images are enlarged to show more detail

GRACEY CURETTES – ROOT PLANE RIGID SHANK

The shank of the root plane Gracey Curette is 3mm longer than a standard Gracey Curette. This additional length allows for scaling, root planing and periodontal debridement of the pocket and root surface of 5mm or more. Rigid root plane Curettes have a thicker, less flexible shank which makes them better suited for moderate to heavy calculus removal.

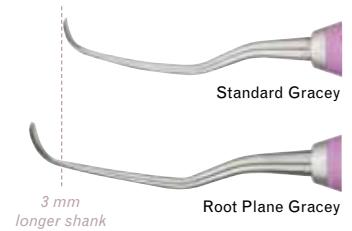


Description		GripLite® S6	GripLite®	Tactile Tone™	Stainless #6
Gracey 1/2 Root Plane Rigid Shank		-	-	TPRP12R	70-770R
Gracey 3/4 Root Plane Rigid Shank		-	-	TPRP34R	70-772R
Gracey 5/6 Root Plane Rigid Shank		-	-	TPRP56R	70-774R
Gracey 7/8 Root Plane Rigid Shank		-	-	TPRP78R	70-776R
Gracey 9/10 Root Plane Rigid Shank		-	-	TPRP910R	-
Gracey 11/12 Root Plane Rigid Shank		-	-	TPRP1112R	70-780R
Gracey 13/14 Root Plane Rigid Shank		-	-	TPRP1314R	70-782R
Gracey 15/16 Root Plane Rigid Shank		-	-	TPRP1516R	70-783R
Gracey 11/14 Root Plane Rigid Shank		-	-	TPRP1114R	70-779R
Gracey 12/13 Root Plane Rigid Shank		-	-	TPRP1213R	70-781R

Images are enlarged to show more detail

GRACEY CURETTES – ROOT PLANE PETITE

The shank of the root plane Gracey Curette is 3mm longer than a standard Gracey Curette. This additional length allows for scaling, root planing and periodontal debridement of the pocket and root surface of 5mm or more. The working end, or blade of the root plane petite Gracey Curette is half the length of the standard Gracey instrument which allows for better adaptation of narrow pockets and furcations.

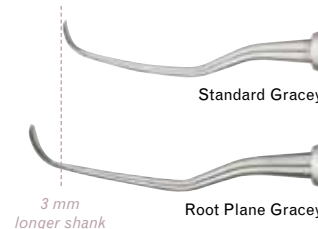


Description		GripLite® S6	GripLite®	Tactile Tone™	Stainless #6
Gracey 1/2 Root Plane Petite		80-5119	70-5119	TPP12	70-700
Gracey 3/4 Root Plane Petite		80-5120	70-5120	TPP34	70-702
Gracey 5/6 Root Plane Petite		80-5121	70-5121	TPP56	70-704
Gracey 7/8 Root Plane Petite		80-5122	70-5122	TPP78	70-706
Gracey 9/10 Root Plane Petite		80-5123	70-5123	TPP910	-
Gracey 11/12 Root Plane Petite		80-5124	70-5124	TPP1112	70-710
Gracey 13/14 Root Plane Petite		80-5125	70-5125	TPP1314	70-712
Gracey 15/16 Root Plane Petite		80-5126	70-5126	TPP1516	70-713
Gracey 17/18 Root Plane Petite		80-5127	70-5127	TPP1718	70-715
Gracey 11/14 Root Plane Petite		-	-	TPP1114	70-709
Gracey 12/13 Root Plane Petite		-	-	TPP1213	70-711

Images are enlarged to show more detail

GRACEY CURETTES – ROOT PLANE PETITE RIGID SHANK

The shank of the root plane Gracey Curette is 3mm longer than a standard Gracey. This additional length allows for scaling, root planing and periodontal debridement of the pocket and root surface of 5mm or more. The working end or blade of the root plane petite Gracey Curette is half the length of the standard Gracey instrument which allows for better adaptation of narrow pockets and furcations. Rigid root plane Curettes have a thicker, less flexible shank which makes them better suited for moderate to heavy calculus removal.



Description		GripLite® S6	GripLite®	Tactile Tone™	Stainless #6
Gracey 1/2 Root Plane Petite Rigid Shank vv		-	-	TPP12R	70-700R
Gracey 3/4 Root Plane Petite Rigid Shank		-	-	TPP34R	70-702R
Gracey 5/6 Root Plane Petite Rigid Shank		-	-	TPP56R	70-704R
Gracey 7/8 Root Plane Petite Rigid Shank		-	-	TPP78R	70-706R
Gracey 9/10 Root Plane Petite Rigid Shank		-	-	TPP910R	-
Gracey 11/12 Root Plane Petite Rigid Shank		-	-	TPP1112R	70-710R
Gracey 13/14 Root Plane Petite Rigid Shank		-	-	TPP1314R	70-712R
Gracey 15/16 Root Plane Petite Rigid Shank		-	-	TPP1516R	70-713R
Gracey 11/14 Root Plane Petite Rigid Shank		-	-	TPP1114R	70-709R
Gracey 12/13 Root Plane Petite Rigid Shank		-	-	TPP1213R	70-711R

Images are enlarged to show more detail

UNIVERSAL CURETTES

Universal curettes are not site specific and can be used against any tooth surface. These curettes are used for scaling, root planing and periodontal debridement of supragingival and subgingival tooth surfaces.

Description		GripLite® S6	GripLite®	Tactile Tone™	Stainless #6
Barnhart 1/2		80-5202	70-5202	TPBA12	70-755
Barnhart 1/2 Rigid		-	-	-	70-755R
Barnhart 5/6		80-5203	70-5203	TPBA56	70-756
Barnhart 5/6 Rigid		-	-	-	70-756R
Columbia 2L/2R		-	70-5206	TPC2L2R	70-748
Columbia 4L/4R		80-5200	70-5200	TPC4L4R	70-744
Columbia 13/14		80-5201	70-5201	TPC1314	70-746

Images are enlarged to show more detail



GripLite^{S6}



GripLite⁺



Tactile Tone™



Stainless Steel #6

UNIVERSAL CURETTES

Universal curettes can be used against either the mesial or distal tooth surface. Universal curettes are used for scaling, root planing and periodontal debridement of supragingival and subgingival tooth surfaces.

Description		GripLite® S6	GripLite®	Tactile Tone™	Stainless #6
Langer 1/2		-	-	TPLA12	70-757
Langer 3/4		-	-	TPLA34	70-758
Langer 5/6		-	-	TPLA56	70-759
Langer 17/18		-	-	-	70-753
McCalls 11/12		-	-	TPMC1112	70-749
McCalls 13/14		-	-	TPMC1314	70-750
McCalls 13S/14S		80-5204	70-5204	TPMC13S14S	70-752
McCalls 17/18		-	-	TPMC1718	70-754
McCalls 17S/18S		80-5205	70-5205	TPMC17S18S	70-751

Images are enlarged to show more detail

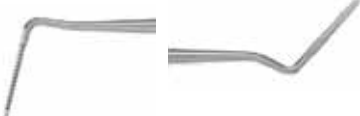
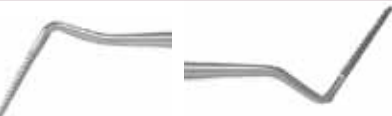
FILES

Files are used for the removal of heavy calculus by using a pull stroke.

Tactile Tone™

Stainless #6



Description		GripLite® S6	GripLite®	Tactile Tone™	Stainless #6
Hirshfeld 3-7		-	-	TKHI37	70-786
Hirshfeld 5-11		-	-	TKHI511	70-787
Hirshfeld 9-10		-	-	TKHI910	70-788
Orban 10-11		-	-	TKOR1011	70-789
Orban 12-13		-	-	TKOR1213	70-790
Schlager 9-10		-	-	TKSC910	70-793
Sugerman 1-2		-	-	TKSU12	70-795
Sugerman 3-4		-	-	TKSU34	70-797

HOES

Hoes are used to loosen or dislodge heavy supramarginal calculus by using a pull stroke.

Description		GripLite® S6	GripLite®	Tactile Tone™	Stainless #6
Orban 6-7		-	-	TPOR67	70-791
Orban 8-9		-	-	TPOR89	70-792

Images are enlarged to show more detail

PROPHY ANGLES

REF	Description
75-20	PROPHY Angle, screw-on
75-22	PROPHY Angle, snap-on, autoclavable
75-24	MILTEX Deluxe Autoclavable PROPHY Angle, screw-on
75-26	MILTEX Deluxe Autoclavable PROPHY Angle, snap-on
75-28	VANTAGE Autoclavable Economy PROPHY Angle, screw-on (5 angles)
75-30	VANTAGE Autoclavable Economy PROPHY Angle, snap-on (5 angles)



75-20



75-22



75-24



75-26



75-28



75-30

PUMICE

- Used for prophylaxis and polishing.
- Uniform abrasive made from the finest white pumice stone.

REF	Description
568-70690	Pumice Fine 6 - 1 LB. Containers in a Carton
568-70750	Pumice Medium 6 - 1 LB. Containers in a Carton
568-70810	Pumice Coarse 6 - 1 LB. Containers in a Carton
568-70870	Pumice Flour 6 - 1 LB. Containers in a Carton
569-70830	Pumice Coarse 4 - 4 LB. Containers in a Carton
569-70850	Pumice Coarse 20 LB. Bucket
570-70710	Pumice Fine 4 - 5 LB. Containers in a Carton
570-70770	Pumice Medium 4 - 5 LB. Containers in a Carton
570-70890	Pumice Flour 4 - 5 LB. Containers in a Carton
571-70730	Pumice Fine 25 LB. Bucket
571-70790	Pumice Medium 25 LB. Bucket
571-70910	Pumice Flour 25 LB. Bucket



MX ESONIC SCALER

The Miltex® Mx Scaler is a unique lightweight air-driven scaler which can be used to scale calculus and debris on natural dentition, implants and composites. The Mx Scaler is well balanced and features a quick-disconnect swivel coupler. It adapts to any standard 4-hole dental hose and is fully autoclavable.

Complete with three tips: Universal, Periodontal & VersaTip™

- Tips deliver water from dental lines to scaling to help flush debris and calculus away from pocket.
- Lightweight and well-balanced to reduce hand and wrist fatigue.
- Quick disconnect and swivel coupler offer easy on/off connection.
- Universal and periodontal tips allow thorough scaling for natural dentition.
- The VersaTip™ allows periodontal work to be completed around implants and composite restorations.

REF	Description
70-2000	Mx Esonic Scaler



FACT:

The Mx Esonic Scaler delivers water from dental lines to help flush away pocket debris and calculus while scaling.

GRIPRITE™ SYRINGES

FEATURES

- Silicone covered handles and wings
- 4 color options
- Available in standard and petite styles

BENEFITS

- Comfortable grip
- Ability to color code
- The shortened harpoon rod on the petite syringe eases aspiration for smaller hands

FACT:
Most Miltex® Syringe hubs are permanently affixed to the syringe. The hubs do not need to be removed for sterilization, which also prevents them from being misplaced.

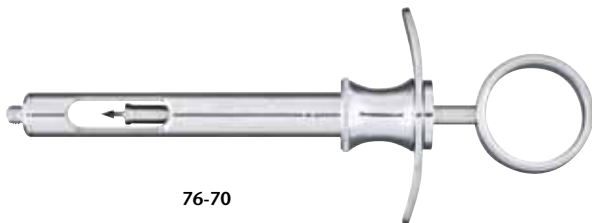
REF	Description
76-30	Syringe – Aspirating CW Blue Silicone Grips, 1.8cc
76-30M	Syringe – Aspirating CW Blue Silicone Grips, Metric, 1.8cc
76-31	Syringe – Aspirating CW Pink Silicone Grips, 1.8cc
76-32	Syringe – Aspirating CW Red Silicone Grips, 1.8cc
76-32M	Syringe – Aspirating CW Red Silicone Grips, Metric, 1.8cc
76-33	Syringe – Aspirating CW Purple Silicone Grips, 1.8cc
76-40	Syringe – Petite Aspirating CW Blue Silicone Grips, 1.8cc
76-40M	Syringe – Petite Aspirating CW Blue Silicone Grips, Metric, 1.8cc
76-41	Syringe – Petite Aspirating CW Pink Silicone Grips, 1.8cc
76-42	Syringe – Petite Aspirating CW Red Silicone Grips, 1.8cc
76-42M	Syringe – Petite Aspirating CW Red Silicone Grips, Metric, 1.8cc
76-43	Syringe – Petite Aspirating CW Purple Silicone Grips, 1.8cc



ASPIRATING SYRINGES

Miltex offers a wide variety of aspirating syringes to suit your preference.

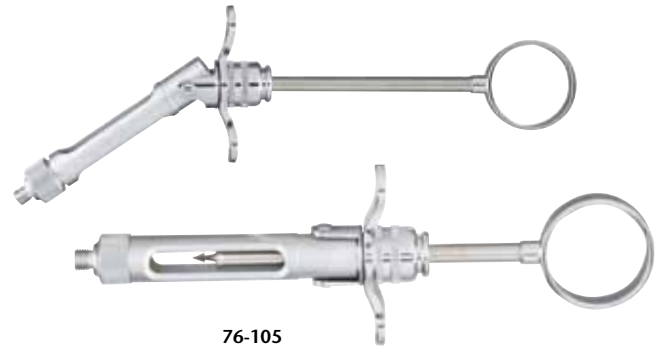
REF	Description
76-70	Aspirating Syringe, CW Type, 1.8cc
76-70M	Aspirating Syringe, CW Type, Metric, 1.8cc
76-80	Aspirating Syringe, Type "A", 1.8cc
76-80M	Aspirating Syringe, Type "A", Metric, 1.8cc
76-105	Articulating Barrel Syringe, 1.8cc
76-56	30° adapter, fits 76-105
77-70	Petite Aspirating Syringe, CW Type, 1.8cc



76-70



76-80



76-105



76-56



77-70

SELF-ASPIRATING SYRINGES

Self-Aspirating Syringes feature a blunt harpoon rod which allows the syringe to aspirate using counter pressure.

REF	Description
76-90	Lightweight Self-Aspirating Syringe, 1.8 cc, Aluminum
76-90M	Lightweight Self-Aspirating Syringe, 1.8 cc, Aluminum
76-100	Self-Aspirating Syringe, 1.8 cc



76-90



76-100

FACT:

Our Articulating Barrel Syringe can be used for intraligamentary injections when combined with our 30° adapter.

N-TRALIG® SYRINGE

The Miltex® N-Tralig® syringe is one of the only stainless steel syringes on the market that delivers precisely 0.2 cc of anesthesia per ratchet. The positive ratchet action helps to protect against the breakage of anesthesia cartridges. The N-Tralig® syringe also features a removable hub which allows the use of the 30° adapter hub to help with the most difficult to reach injections. The syringe is available with one solid barrel and one window barrel for personal preference.

REF	Description
76-55	N-Tralig Intraligamentary Syringe
76-55M	N-Tralig Intraligamentary Syringe, Metric
76-56*	30° adapter fits N-Tralig Syringe
76-56M*	30° adapter fits N-Tralig Syringe, Metric
PN2	Cartridge barrel solid wall for N-Tralig Syringe
PN3	Cartridge barrel shielded windows for N-Tralig Syringe
PN4	Barrel cap for N-Tralig Syringe

* 30° adapter hub is sold separately



76-55



76-56*



PN2



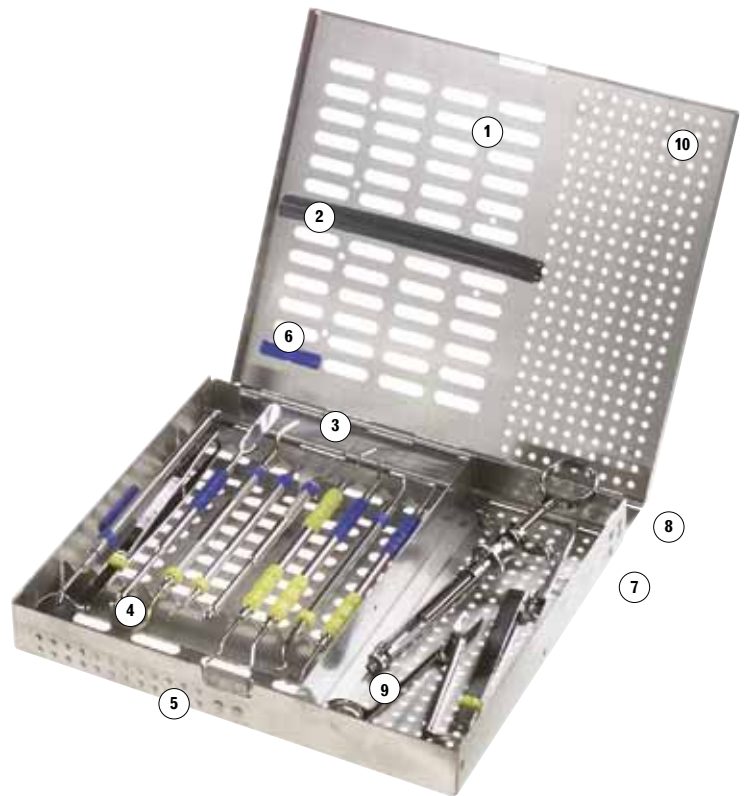
PN4



PN3

FEATURES AND BENEFITS of Thompson™ Cassettes

1. Unique flow-through design allows for effective rinsing and cleaning.
2. Medical grade silicone stabilizes the instruments when the cassette is closed.
3. Full length hinge provides stable and secure attachment to cassette.
4. Riveted stainless steel rack provides a secure, non degradable base on which to place instruments.
5. Quick and easy push-button release provides a secure lock when closed.
6. Tabs allow for custom coding of cassettes.
7. Double-hinged lid folds under the cassette for easy storage during use.
8. Self-lubricating plastic hinge pin will not corrode and provides smooth mechanical movement of lid.
9. Various interior configurations meet your storage needs.
10. Stainless steel provides aesthetic finish and corrosion protection.



Thompson™ Tuck-Away™ Lid

The Thompson™ Tuck-Away™ lid is a double-hinged lid designed to conveniently fold under the cassette, offering the following advantages:

- lid cannot be misplaced during procedures.
- saves valuable space during procedures over single-hinge lids.
- provides incline for better instrument viewing and for better access during procedures.



Lid closed



Lid open



Lid tucked under

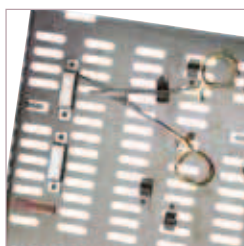
FACT:

All Thompson™ cassettes come with a four year warranty on all moving parts and with a **lifetime guarantee against corrosion.**

OPTIONS FOR CUSTOMIZATION

Lid Clips

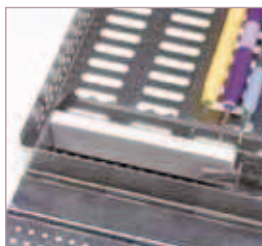
Lid clips are ideal for sterilizing ring-handled instruments. The clips are available for use on several cassettes and can be ordered by adding "L" to the end of the part number. Please see the part number charts on pages 43-50 for proper part number and for the respective cassettes with enough room for this option.



Lid Clips

Stone Clips

Stone clips hold instrument sharpening stones in place during sterilization. Stone clips are available on the same cassettes on which lid clips are optional and can be ordered by adding "S" to the end of the part number. Please see the part number charts on pages 43-50 for proper part number and for the respective cassettes with enough room for this option.



Stone Clips

Color Coded Tabs

All Thompson™ cassettes feature a tab under which silicone tubing can be added. This feature provides your office with the option of color coding by procedure, date or by dental professional.

*See page 51 for part numbers



Color Coded Tabs

FACT:

To order an eligible cassette with both lid and stone clips, add "A" to the end of the part number. Please see the charts on pages 43-50 for available cassettes

Thompson™ Cassettes

Thompson™ cassettes are manufactured with passivated stainless steel, feature the Thompson™ Tuck-Away™ lid and are available in a variety of sizes and configurations to meet all storage needs.

Thompson™ cassettes are available in several options:

Single Rack Cassettes — Cassette contains a single riveted rack to accommodate various hand instruments. Several sizes are available and hold 5 to 26 instruments.

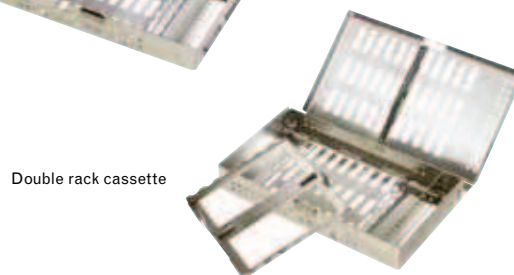
Double Rack Cassettes — Cassette contains additional removable rack for double stacking instruments.

Note: removable rack not sold separately.

Utility Cassettes — Cassette does not contain an instrument rack, making it ideal for ring-handled and larger sized instrumentation.



Single rack cassette



Double rack cassette



Utility cassette

Thompson™ 5 Cassette

The Thompson™ 5 Cassette is perfect for simple procedures requiring few instruments. Its compact size features a single hinged lid, and it can hold up to 10 hand instruments with the double rack.



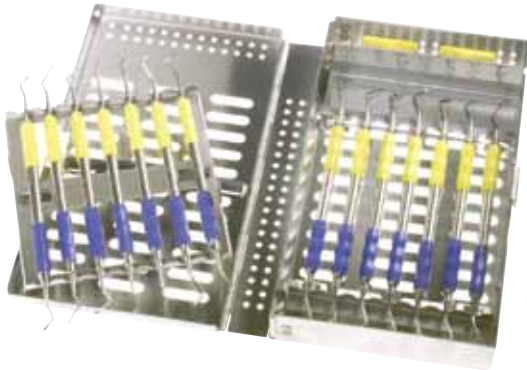
REF	Description	Dimensions	
		Inches	Millimeters
3-083005*	Thompson 5 Utility	8 x 3-13/16 x 1-1/8	204 x 81 x 30
3-083105*	Thompson 5 Single Rack	8 x 3-13/16 x 1-1/8	204 x 81 x 30
3-083210*	Thompson 5 Double Rack	8 x 3-13/16 x 1-1/8	204 x 81 x 30

* Thompson™ 5 cassette features single-hinged lid.

* Thompson™ 5 cassette cannot be modified with lid clips.

Thompson™ 7 Cassette

The Thompson™ 7 Cassette features the double-hinged, tuck-away lid for easy storage during procedures. It can hold 7 instruments with a single rack, 14 instruments with the double rack, or larger instruments without racks.



REF	Description	Dimensions	
		Inches	Millimeters
3-084007*	Thompson 7 Utility	8 x 4-7/8 x 1-1/8	204 x 124 x 28.5
3-084107*	Thompson 7 Single Rack	8 x 4-7/8 x 1-1/8	204 x 124 x 28.5
3-084214*	Thompson 7 Double Rack	8 x 4-7/8 x 1-1/8	204 x 124 x 28.5

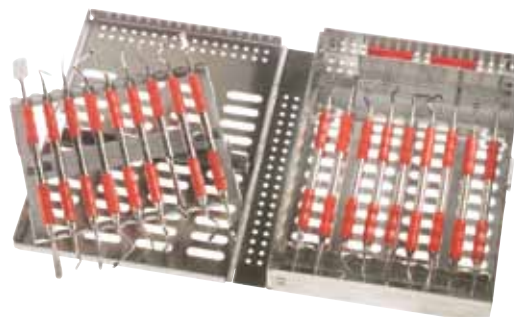
* Thompson™ 7 cassette cannot be modified with lid clips.

Thompson™ 9 Cassette

The Thompson™ 9 Cassette features the double-hinged, tuck-away lid for easy storage during procedures. It can hold 9 instruments with a single rack, 18 instruments with the double rack, or larger instruments without racks.

REF	Description	Dimensions	
		Inches	Millimeters
3-085009*	Thompson 9 Utility	8 x 6 x 1 -3/16	204 x 154 x 30
3-085109*	Thompson 9 Single Rack	8 x 6 x 1-3/16	204 x 154 x 30
3-085218*	Thompson 9 Double Rack	8 x 6 x 1-3/16	204 x 154 x 30

* Thompson™ 9 cassette cannot be modified with lid clips.



Thompson™ 10 Cassette

The Thompson™ 10 Cassette can hold 10 instruments and features the double-hinged, tuck-away lid for easy storage during procedures. This cassette is also available with lid and/or stone clips.

REF	Description	Dimensions	
		Inches	Millimeters
3-089110	Thompson 10	8 x 9 x 1-1/8	204 x 229 x 28.5
3-089110L	Thompson 10 w/lid clips	8 x 9 x 1-1/8	204 x 229 x 28.5
3-089110S	Thompson 10 w/ stone clip	8 x 9 x 1-1/8	204 x 229 x 28.5
3-089110A	Thompson 10 w/ lid and stone clips	8 x 9 x 1-1/8	204 x 229 x 28.5



Thompson™ 14 Cassette

The Thompson™ 14 Cassette can hold up to 14 instruments and features the double-hinged, tuck-away lid for easy storage during procedures. This cassette is also available with lid and/or stone clips.

REF	Description	Dimensions	
		Inches	Millimeters
3-118114	Thompson 14	8 x 10-7/8 x 1-3/16	204 x 276.5 x 30
3-118114L	Thompson 14 w/lid clips	8 x 10-7/8 x 1-3/16	204 x 276.5 x 30
3-118114S	Thompson 14 w/ stone clip	8 x 10-7/8 x 1-3/16	204 x 276.5 x 30
3-118114A	Thompson 14 w/ lid and stone clips	8 x 10-7/8 x 1-3/16	204 x 276.5 x 30





Thompson™ 16 Cassette

The Thompson™ 16 Cassette can hold up to 16 instruments and features the double-hinged, tuck-away lid for easy storage during procedures. This cassette is also available with lid and/or stone clips.

REF	Description	Dimensions	
		Inches	Millimeters
3-118116	Thompson 16	8 x 10-7/8 x 1-3/16	204 x 276.5 x 30
3-118116L	Thompson 16 w/lid clip	8 x 10-7/8 x 1-3/16	204 x 276.5 x 30
3-118116S	Thompson 16 w/stone clip	8 x 10-7/8 x 1-3/16	204 x 276.5 x 30
3-118116A	Thompson 16 w/lid & stone clips	8 x 10-7/8 x 1-3/16	204 x 276.5 x 30



Thompson™ 22 Cassette

The Thompson™ 22 Cassette is ideal for large set ups as it features individual spaces for up to 22 instruments. This cassette features the double-hinged, tuck-away lid for easy storage during procedures and is also available with stone and lid clips for greater set up options.

REF	Description	Dimensions	
		Inches	Millimeters
3-118122	Thompson 22	8 x 10-7/8 x 1-3/16	204 x 276.5 x 30
3-118122L	Thompson 22 w/lid clip	8 x 10-7/8 x 1-3/16	204 x 276.5 x 30
3-118122S	Thompson 22 w/stone clip	8 x 10-7/8 x 1-3/16	204 x 276.5 x 30
3-118122A	Thompson 22 w/lid & stone clip	8 x 10-7/8 x 1-3/16	204 x 276.5 x 30

FACT:

Lid clips are ideal for ring handled instruments such as needle holders, scissors and hemostats.



Thompson™ 26 Cassette

The Thompson™ 26 Cassette is the largest cassette that Miltex offers and is ideal for large set ups, with individual spaces for up to 26 instruments. This cassette features the double-hinged, tuck-away lid for easy storage during procedures and is also available with stone and lid clips for greater set up options.

REF	Description	Dimensions	
		Inches	Millimeters
3-139126	Thompson 26	9-1/8 x 13 x 1-3/16	232 x 330 x 30
3-139126L	Thompson 26 w/lid clip	9-1/8 x 13 x 1-3/16	232 x 330 x 30
3-139126S	Thompson 26 w/stone clip	9-1/8 x 13 x 1-3/16	232 x 330 x 30
3-139126A	Thompson 26 w/lid & stone clip	9-1/8 x 13 x 1-3/16	232 x 330 x 30

SLIMLINE CASSETTES

Thompson™ Slimline cassettes feature a single-hinged lid and reduced profile. All Slimline cassettes are manufactured from passivated stainless steel that provides an aesthetic finish and protection from corrosion.

Slimline 7 Cassette

The seven instrument capacity of the Slimline 7 cassette meets small cleaning and equipment requirements. The Slimline 7 Cassette is also available in extended length and deeper versions. Both the Slimline 7 and the Deep Slimline 7 cassettes can be used in Statim® autoclaves.



REF	Description	Dimensions	
		Inches	Millimeters
3-072007	Slimline 7	7 x 2-5/8 x 11/16	178 x 67 x 17
3-082008	Slimline 7 extended	8 x 2-5/8 x 11/16	203 x 127 x 17
STD5L27	Deep Slimline 7	7 x 2-5/8 x 1	178 x 67 x 25

Slimline 14 Cassette

The Slimline 14 Cassette will hold up to 14 instruments, and the extended width allows ring-handled instruments to be stored along with hand instruments.

REF	Description	Dimensions	
		Inches	Millimeters
3-072014	Slimline 14	7 x 4-5/8 x 11/16	178 x 115 x 17



SPECIALTY CASSETTES

In addition to the Slimline and Thompson™ series cassettes, Miltex also offers a variety of specialty cassettes designed for multiple applications.

Standard Cassette

The standard cassette stores up to 14 instruments and contains an instrument bin for storing large and ring-handled instruments. The standard cassette also features a break-away lid.



REF	Description	Dimensions	
		Inches	Millimeters
STDSTAT	Standard Cassette	7 x 10-5/8 x 1-1/2	178 x 270 x 38

Standard 8 Cassette

The standard 8 cassette can store 8 instruments and also contains an instrument bin for storing large and ring-handled instruments. The standard 8 cassette features the double-hinged lid.



REF	Description	Dimensions	
		Inches	Millimeters
STDSTAT8	Standard 8 Cassette	6-3/4 x 8-1/8 x 1-1/8	171 x 206 x 29

Standard 814 Cassette

The standard 814 cassette can store 14 instruments and also contains an instrument bin for storing large and ring-handled instruments. The standard 814 cassette features the double-hinged lid and medical grade silicone to prevent instruments from shifting.



REF	Description	Dimensions	
		Inches	Millimeters
STDSTAT814	Standard 814 Cassette with 14 Rack	6-3/4 x 8-1/8 x 1-1/8	171 x 206 x 29

Small Surgical Cassette

For use with post-operative setups, this single-hinged cassette was specifically designed for suture removal. Three small surgical cassettes will fit in a Statim® autoclave.

REF	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 various sized instruments.

REF	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 storing various sized instruments.

REF	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 cassette is ideal for storing large quantities of hand instruments and additional larger instruments.

REF	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 Cassette is perfect for storing orthodontic pliers, scissors wire cutters and bending instruments.

REF	Description	Dimensions	
		Inches	Millimeters
STDORTHOS	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 set ups, handpieces and small handle instruments.

REF	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 and clean 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.

REF	Description
STDBH	12 hole bur holder
STDBH6	6 hole bur holder
STDBHS	6 hole surgical bur holder



Small Parts Box

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

REF	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 nickel titanium files and can be used in conjunction with all standard Thompson™ cassettes.

REF	Description
STDES60	Endo Stand, 60 hole
STDES72	Endo Stand, 72 hole



CASSETTE CODE TUBING

All Thompson™ cassettes feature a tab for silicone tubing to be added. This feature provides your office with the option of color coding by procedure, date or by dental professional.



Color Coded Tabs

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

REF	Description	Quantity per Pack
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

MILTEX® INSTRUMENT CARE & CLEANING PRODUCTS

The Miltex® care and cleaning products are designed to provide optimum cleaning performance and 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)



MILTEX® STERILIZATION TRAYS

Miltex offers sterilization trays designed to help organize and protect instruments from damage during sterilization, transportation and storage. Each tray is available with a silicone mat that helps secure and protect the instruments during the cleaning and sterilization processes.

Sterilization Trays Feature:

- Single or Double Tray configuration
- Available in two sizes:
4" x 8" (10.2 cm x 20.3 cm)
7" x 11" (17.8 cm x 27.9 cm)
- Silicone raised mat provides efficient ventilation to facilitate drying
- Clear lid allows for easy instrument or procedure identification



Raised mat provides efficient ventilation

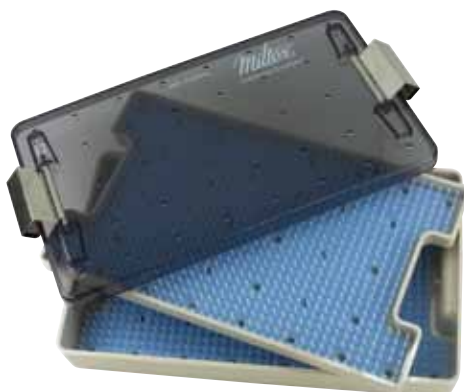


Single or double tray configuration

REF	Description
3-200100	Miltex Tray, 7" x 11" (single layer)
3-200200	Miltex Tray, 7" x 11" (double layer)
3-200300	Miltex Tray, 4" x 8" (single layer)



3-200100



3-200200

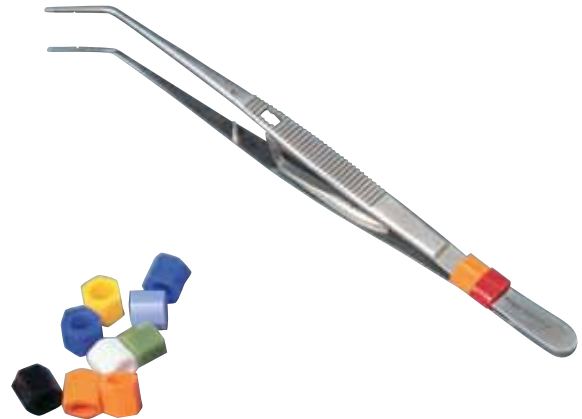


3-200300

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
VTSR	RED
VTSU	PURPLE
VTSW	WHITE
VTSY	YELLOW



CODE RINGS

Twelve different colors of instrument code rings designed for use with all GripLite® or GripLite® S6 instruments. Packaged 20 rings per bag. Kit contains 20 rings of each color.

REF	Description
70-5500	Code Ring Kit, GripLite
70-5501	Code Ring, Purple GripLite
70-5502	Code Ring, Lilac GripLite
70-5503	Code Ring, Yellow GripLite
70-5504	Code Ring, Pink GripLite
70-5505	Code Ring, Green GripLite
70-5506	Code Ring, Red GripLite
70-5507	Code Ring, Orange GripLite
70-5508	Code Ring, Blue GripLite
70-5509	Code Ring, Lt. Blue GripLite
70-5510	Code Ring, White GripLite
70-5511	Code Ring, Black GripLite
70-5512	Code Ring, Aqua GripLite



TAPE 'N TELL™ ADHESIVE STRIPS

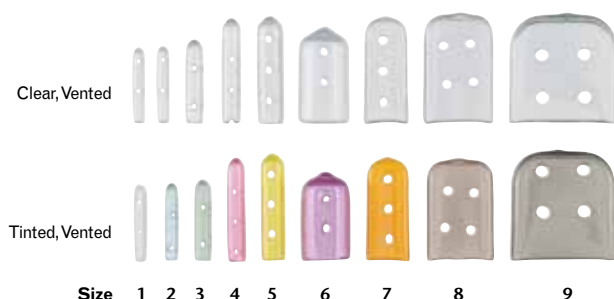
Ideal for color coding instruments and procedural kits.
Length is 6 ft long per individual roll.

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	REF	REF	REF	Dimension	Size	Color
Clear	Tinted	Solid	Solid		Code	
Vented	Vented	Vented	Non-Vented			
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

PERIOSTAR® 3000 INSTRUMENT SHARPENING DEVICE

Sharpening dental hygiene instruments has never been so easy. The PerioStar® 3000 sharpening device offered by Miltex, Inc. is a motorized system for precise sharpening of dental hygiene instruments. The PerioStar® 3000 sharpening device is the only system in the world that does not rely on the human hand to dictate instrument movement and pressure during the sharpening procedure.

The PerioStar® 3000 sharpening unit has a unique fixation device that securely clamps the instrument in place for sharpening. Once in place, the sharpening head with stone is brought into contact with the instrument, providing 50 grams of pressure. After the unit is turned on, the revolving plate is rotated, moving the stone across the cutting edge of the instrument. The PerioStar® 3000 instrument sharpening device maintains a sharpening angle of 78 degrees and follows the precise geometry of the instrument. Because the instrument is held in place and the machine provides the pressure, reproducible results are achieved regardless of who operates the system.



Features

1. Fixation device locks the instrument in place
2. Produces razor sharp instruments
3. Stone follows precise geometry of instrument
4. Stone applies 50 grams of pressure
5. Coarse stone is available
6. Motor reverses direction on left and right side

Benefits

- Consistent, reproducible sharpening results
- Reduces treatment time and hand fatigue; improves patient comfort
- Maintains original shape of instrument
- Extends instrument life by removing only a small amount of metal
- Can recontour hand sharpened instruments
- No need to smooth the face of the instrument; no wire edges are formed



See detailed sharpening instructions for use on page 60

REF	Description
3000US	PerioStar® 3000 Instrument Sharpening Device
3019US	PerioStar® 3000, Coarse Replacement Stones (Blue), 2 per pack
3020US	PerioStar® 3000, Medium Replacement Stones (Pink), 2 per pack
3021US	PerioStar® 3000, Super Fine Replacement Stones (White), 2 per pack
3022US	PerioStar® 3000, Sharpening Paste, 20 mL, set of 2 tubes
3023US	PerioStar® 3000, Acrylic Test Rods, 5 per pack
3024US	PerioStar® 3000, Protective Cap for Instruments, 5 per pack
3025US	PerioStar® 3000, Magnetic Crossbeam, 5 per pack

Sharpening Stones



Superfine sharpening stone (white)

Application: Sharpening after every patient and polishing.



Medium sharpening stone (pink)

Application: Routine sharpening and finishing; Instrument-saving recontouring



Coarse sharpening stone (blue)

Application: Sharpening of excessively dull instruments or those requiring recontouring; NOT for daily sharpening



DTS

DTST

SHARPENING TEST STICKS

Thompson™ Sticks

Sterilizeable plastic resin sticks used for checking instrument sharpness/edge.

REF	Description
DTS	Thompson Plastic Resin Sharpening test stick black (6)
DTST	Thompson Plastic Resin 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 Sharpening Stones.

REF	Description
STN-ARK-CON	Stone, Arkansas Conical
STN-ARK-FLT-4	Stone, Arkansas No. 4 Flat
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

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
SPC	COARSE Precision synthetic stone
SPF	FINE Precision synthetic stone
SPM	MEDIUM Precision synthetic stone



Moyco® Instrument Sharpeners

REF	Description
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 Sharpeners

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



STERILIZING INSTRUMENTS

Sterilizing & Grasping Forceps

REF	Description
3-2	DAVIS Sterilizer Forceps, 6" (15.2 cm)
3-4	DAVIS Sterilizer Forceps, 10" (25.4 cm)
3-10	Three prong Sterilizer Forceps, 8" (20.3 cm)
3-20	Utility-Sterilizer Forceps, 8" (20.3 cm), straight
3-24	Utility-Sterilizer Forceps, 11" (27.9 cm), straight
3-22	Utility-Sterilizer Forceps, 8" (20.3 cm), curved
3-26	Utility-Sterilizer Forceps, 11" (27.9 cm), curved
65-25	Grasping Forceps, non-magnetic, gold plated ends



3-2
3-4



65-25



3-10



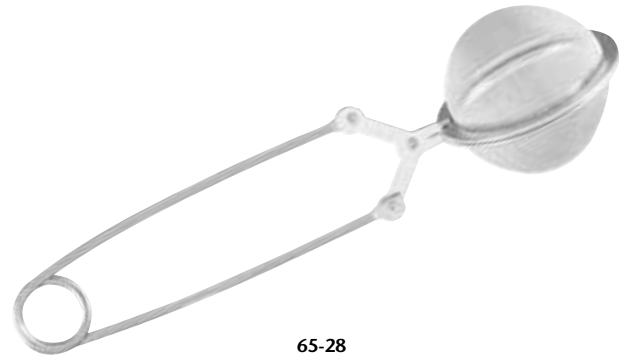
3-20
3-24



3-22
3-26

MESH BUR & DIAMOND HOLDER

REF	Description
65-28	Mesh Bur and Diamond Holder, large
65-29	Mesh Bur and Diamond Holder, small



65-28

65-29

CSR WRAP INDICATOR TAPE & STEAM INDICATOR STRIP

REF	Description
STD1515	CSR wrap 15x15 1000/case
STD2020	CSR wrap 20x20 500/case
STD2424	CSR wrap 24x24 500/case
STDSTEAM	STEAM autoclave tape 3/4" x 60 yards - Non-adhesive
STDIND	STEAM INDICATR STRIPS 250
STDDRY	Dry heat labels (1000)



STD1515

PERIOSTAR® 3000 SHARPENING DEVICE INSTRUCTIONS

SETTING UP



1. Move sharpening head into locking position.
2. Insert sharpening stone.

SETTING UP



3. Adjust archbow to setting appropriate for instrument type.

FIXATING



4. Turn fixation handle to "open" position.

FIXATING



5. Hold the terminal shank vertical and place the blade into "V-shaped" positioning pin.
6. Clamp instrument into place by turning handle to "close" position.

ALIGNING



7. Align facial surface horizontally by adjusting archbow up or down.

SHARPENING



8. Place hands on blue revolving plate to move sharpening head around instrument tip.



INSTRUMENT SHARPENING INSTRUCTIONS

Why sharpen instruments?

Instruments should be kept as true as possible to their original design. Sharp instruments can reduce hand and wrist fatigue, improve calculus removal, save time, improve tactile sensitivity and 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 excess 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 plastic stick
- Patient comfort and evaluation

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

- **Arkansas stones** – Natural stone (used for routine sharpening and finishing)
 - a. Flat stone – used in routine sharpening and finishing of the edge and toe of an instrument
 - b. Conical stone – used in routine sharpening and finishing of 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

Dental Hand Instrument Sharpening Instructions

How to sharpen instruments?

The sharpening stone moves while the instrument is held stationary.

1. Place 1 drop of Miltex® Honing Oil on the Arkansas or India sharpening stone. No lubrication is required on ceramic stones. (Apply oil only if it 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 cutting edge, forming a 110° angle with the face of the blade.
3. Position the sharpening 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 sharpening stone up and down along the edge with short strokes, placing more pressure on the down stroke. (Continue to keep the instrument still).
5. Finish sharpening the instrument with a down stroke, which prevents a rough edge from forming on the cutting edge.
 - a) Metal particles and lubricant will accumulate on the blade and can be wiped off with sterile gauze. (This accumulation is also an indication that the proper angulation was maintained during the sharpening process).
6. For sickle scalers, continue sharpening to the point of the scaler. For curettes, continue around the toe to maintain its curved shape.
7. Evaluate for sharpness with a plastic Thompson™ test stick. If the blade of the instrument is sharp, it will grab into the stick. If the blade is dull, it will slide over the stick without grabbing. If the blade of the instrument is still dull after sharpening, re-evaluate the angle of the stone and repeat the sharpening procedure (steps 2-6).
8. Repeat the procedure to sharpen the other side of sickle scalers and universal curettes.

STEP 1



STEPS 2 & 4



STEP 7



Dental Hand Instrument Sharpening Instructions

Rounding the toe of currettes

1. Place 1 drop of Miltex® Honing Oil on the Arkansas or India sharpening stone. No lubrication is required on ceramic stones. (Apply oil only if it was not previously applied to stone or if more lubrication is needed).
2. Place the sharpening stone at a 45° angle to the face of the instrument.
3. Using downward strokes, rotate the sharpening 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 sharpening 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 sharpening stone. No lubrication is required on ceramic stones. (Apply oil only if it was not previously applied to stone or if more lubrication is needed).
2. Place the stone at the junction between the face of the instrument and the shank of the instrument.
3. Roll the sharpening stone across the face of the instrument, moving toward the toe of the instrument.
4. Use as few strokes as possible and light, even pressure.

For straight sickle instruments, use a flat sharpening stone (Arkansas No. 4 flat, part number: STN-ARK-FLT-4 or India No.1, part number STN-IND-FLT-1).

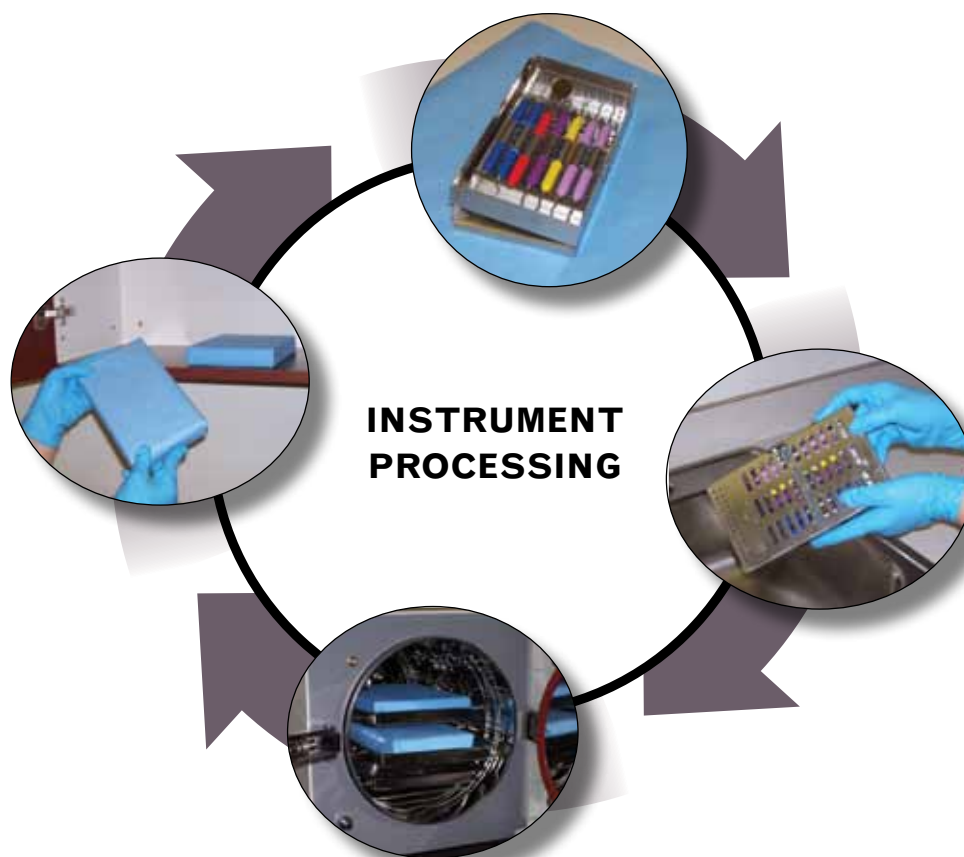
1. Place 1 drop of Miltex® Honing Oil on the Arkansas or India sharpening stone. No lubrication is required on ceramic stones. (Apply oil only if it was not previously applied to stone or if more lubrication is needed).
2. Place the stone on the entire facial surface of the instrument.
3. Move the stone across the facial surface of the instrument in a back and forth motion.
4. Use as few strokes as possible and light, even pressure.



SHARPEN THE FACE
CURVED SICKLE



SHARPEN THE FACE
STRAIGHT SICKLE



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.

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. Place Thompson™ cassettes into ultrasonic cleaner (See the attached cassette compatibility chart).
- 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 Thompson™ cassettes from the ultrasonic cleaner. Rinse thoroughly under warm water.
- f. Allow Thompson™ cassettes and instruments to dry.

3. Sterilization

- a. All instruments and cassettes should be completely dry.
- b. Open Thompson™ cassettes and inspect all instruments.
- c. Add cotton rolls, gauze and Steam Indicator Strips (STDIND).
- d. Wrap the Thompson™ cassettes with CSR wrap and seal with STEAM Autoclave Tape.
- e. Date and code the dry heat label and apply the label to the wrap.
- f. Place wrapped and labeled Thompson™ cassette into sterilizer (See attached cassette and sterilizer compatibility charts).
- g. Sterilize instruments and Thompson™ cassettes according to 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 are sterile.

Thompson™ Cassettes & Sterilizer Compatibility

Thompson™ Slimline				Thompson™ Standard Cassettes										Thompson™ Specialty Cassettes									
Company	Model	Type	Chamber Dimensions	7	7 Ext	14	5	7	9	10	14	16	22	26	STDSTAT	STDSTAT8	STDORTHO	STDORTHO8	STDBOS	STDBOM	STDBOL	Handpiece	STDPB
Adec	Lisa	A	9.84 x 13.77	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Anasco	Eagle 10	A	10 x 16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cox	Rapid Heat	D	12 x 7.5	X	X	X	X	X	-	-	-	-	-	-	X	X	X	X	X	X	-	X	X
Driclave	Model 75	D	11.5 x 7.25	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X	X	-	X	X
Harvey	Model 150	D	13 x 8	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	ChemiClave 5000	C	6 x 11	X	X	X	X	X	-	-	-	-	-	-	-	-	X	X	X	X	-	X	X
	ChemiClave 5500	C	8 x 13.25	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	ChemiClave 6000	C	10 x 16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	ChemiClave 7000	C	8 x 14	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	ChemiClave 8000	C	10 x 16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	PV Dry	A	10 x 10	X	X	X	X	X	X	X	-	-	-	-	X	X	X	X	X	X	-	X	X
	STERILEMAX	A	12 x 18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MC8	A	8 x 14.5	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	MC10	A	10 x 15.5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Midmark	M7 SpeedClave	A	7.5X 15	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X	X	-	X	X
	M9 UltraClave	A	9 x 15	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	M11 UltraClave	A	11 x 18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Pelton & Crane	Delta XL 8	A	8.25 x 17.5	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	Delta XL 10	A	9.8 x 17.5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Validator 8	A	8.25 x 14	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	Validator 10	A	9.9 x 17.5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Porter	Magna-Clave	A	15.25 x 26 x 15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SES 2000E	A	7.9 x 13.7	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X	X	-	X	X
	SES 2012E	A	11.8 x 14.7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Schein	Model 165	D	12.5 x 7.5	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X	X	-	X	X
	Model 265	D	9 x 15	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
Tuttnauer	Valueclave 1730	A	7 x 12	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X	X	-	X	X
	Model 2340	A	9 x 18.5	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	Model 2540	A	10 x 18.7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Model 3870	A	15.1 x 29.9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Model EZ9	A	9 x 18.5	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	Model EZ10	A	10 x 18.7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Model 3870EA	A	15.1 x 29.9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Vernitron	Maxima 10	A	9 x 18	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	2000E	A	7 x 14	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X	X	-	X	X
	2000M	A	7 x 14	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X	X	-	X	X

Thompson™ Cassettes & Ultrasonic Compatibility

Thompson™ Slimline				Thompson™ Standard Cassettes										Thompson™ Speciality Cassettes									
Company	Model	Capacity (Gal.)	Chamber Dimensions	7	7 Ext	14	5	7	9	10	14	16	22	26	STDSTAT	STDSTAT8	STDORTHO	STDORTHO8	STDBOS	STDBOM	STDBOL	Handpiece	STDPB
Adec	Miele G 7881	NA	18.5 x 20.5 x 20.5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Harvey	MDT Vibraclean	3.75	11.3 x 8 x 9	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
L & R	Quantrex Q90	0.5	5.8 x 5.3 x 4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
	Quantrex Q140	0.8	9.3 x 5.3 x 4.0	X	X	X	X	X	-	-	-	-	-	-	-	-	X	X	X	-	-	X	X
	Quantrex Q210	1.5	11.75 x 6.0 x 6.0	X	X	X	X	X	X	-	-	-	-	-	-	-	X	X	X	X	-	X	X
	Quantrex Q280	1.75	11.75 x 9.3 x 6.0	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	Quantrex Q310	3.25	15.5 x 9.0 x 6.0	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	Quantrex Q360	3.65	11.5 x 9.25 x 8.0	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	Quantrex Q650	9.5	19.75 x 11.75 x 6.5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Miele	G 7781	NA	19.6 x 21 x 19.6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Midmark	Soniclean M150	1.5	11.5 x 6 x 6	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
	Soniclean M250	2.5	11.5 x 9.5 x 6	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
	Soniclean M550	5.5	19.5 x 11.5 x 6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sci-Can	Hydriam C51w	NA	18.25 x 23.6 x 18.75	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Hydriam L110w	NA	19 x 15.25 x 24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sonix IV	SS192	0.15	6.0 x 3.2 x 2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
	ST136	1.6	11.5 x 5.5 x 6.0	X	X	X	X	X	-	-	-	-	-	-	-	-	X	X	X	X	-	X	X
	SS102	2.3	19.5 x 5.5 x 6.0	X	X	X	X	X	-	-	-	-	-	-	-	-	X	X	X	X	-	X	X
	ST126	2.7	11.5 x 9.5 x 6.0	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	-	X	X
	ST116	5.5	19.5 x 11.5 x 6.0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	ST118	7.8	19.5 x 11.5 x 8.0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SS110	0.3	5.5 x 5.0 x 2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
Porter	ST164H	0.5	5.5 x 5.0 x 4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
	SS117	0.9	9.5 x 5.5 x 4.0	X	X	X	X	X	-	-	-	-	-	-	-	-	X	X	X	-	-	X	X
	SS118	1.25	9.5 x 5.5 x 6.0	X	X	X	X	X	-	-	-	-	-	-	-	-	X	X	X	-	-	X	X
	ST128	3.4	11.5 x 9.5 x 8.0	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
Sci-Can	SEI34	3.4	11.5 x 9.5 x 8.0	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	ST236	3.6	12.8 x 11.5 x 6.0	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
Sultan	ProSonic Petite	0.5	6.5 x 3.5 x 2.25	-	-	-	X	-	-	-	-	-	-	-	-	-	-	X	X	-	-	-	X
	ProSonic 300	0.75	9.5 x 5.5 x 4.0	X	X	X	X	X	-	-	-	-	-	-	-	-	X	X	X	-	-	X	X
	ProSonic 600	1.5	11.5 x 6 x 6	X	X	X	X	X	-	-	-	-	-	-	-	-	X	X	X	X	-	X	X
	ProSonic 1000	2.5	11.5 x 9.5 x 6	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	ProSonic 2000	5.5	19.5 x 11.5 x 6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Quala	5002	0.84	9.4 x 5.4 x 4	X	X	X	X	X	-	-	-	-	-	-	-	-	X	X	X	-	-	X	X
	Sweep 5200	1.12	11.75 x 6 x 4	X	X	X	X	X	X	-	-	-	-	-	-	-	X	X	X	X	-	X	X
	5010	3.25	15.5 x 9 x 6	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	Sweep 5300	3.25	15.5 x 9 x 6	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	5050	6.5	19.75 x 11.75 x 6.5	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X
Whaledent	UC100	1.25	11.5 x 6 x 4	X	X	X	X	X	X	-	-	-	-	-	-	-	X	X	X	X	-	X	X
	UC300	3	14 x 9 x 6.75	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X
	UC300R	3	14 x 9 x 6.75	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X

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 follows:

2. RINSING

(Always wear safety protection gear.) Immediately after surgery, remove organic materials by rinsing instruments under warm (120° F) 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 also can be accomplished by following standard precautions by wearing appropriate PPE as promulgated by OSHA & AORN.*

3. CLEANING

All blood, dried body fluids and tissue should be completely removed from 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 that 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) specially recommended for 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 are 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: With most portable tabletop autoclaves, unlock the door and open it no more than a crack, about 1/4" (6.4 mm). (at the end of the autoclave cycle and before the drying cycle) 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 on the instruments, potentially 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 DVD (3-810) or contact your local Miltex® representative.

6. CHEMICAL/COLD STERILIZATION

Most chemical/cold sterilization solutions render instruments sterile only after 10-hour immersion. This prolonged chemical action can be more detrimental to instruments than the usual 20-minute autoclave cycle. If the instruments need to be "disinfected" only, a chemical/cold sterilization soak is acceptable, as disinfection will take approximately 10 minutes or more. Check manufacturers' specifications. Also see our warning in using bleach (paragraph 3).

Keep in mind the difference between:

- Sterile - an absolute term (no living organism survives); and
- Disinfected - basically clean. Some organisms may survive. Always use the proper sterilization/cleaning technique to render the instrument in the required condition for use.

CAUTION: For instruments with tungsten carbide insert jaws, the use of chemical/cold sterilization solutions is not recommended as it may deteriorate the instrument's jaw.

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
3-755	EZ-Zyme®, All Purpose Enzyme Cleaner 1-gallon pump bottle	• Ultrasonic cleaning • Manual cleaning • Laundry presoak
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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