



- Dental
- Surgical
- Veterinary
- Orthopaedic
- Electro

H&H

Impex

Samar Hussain

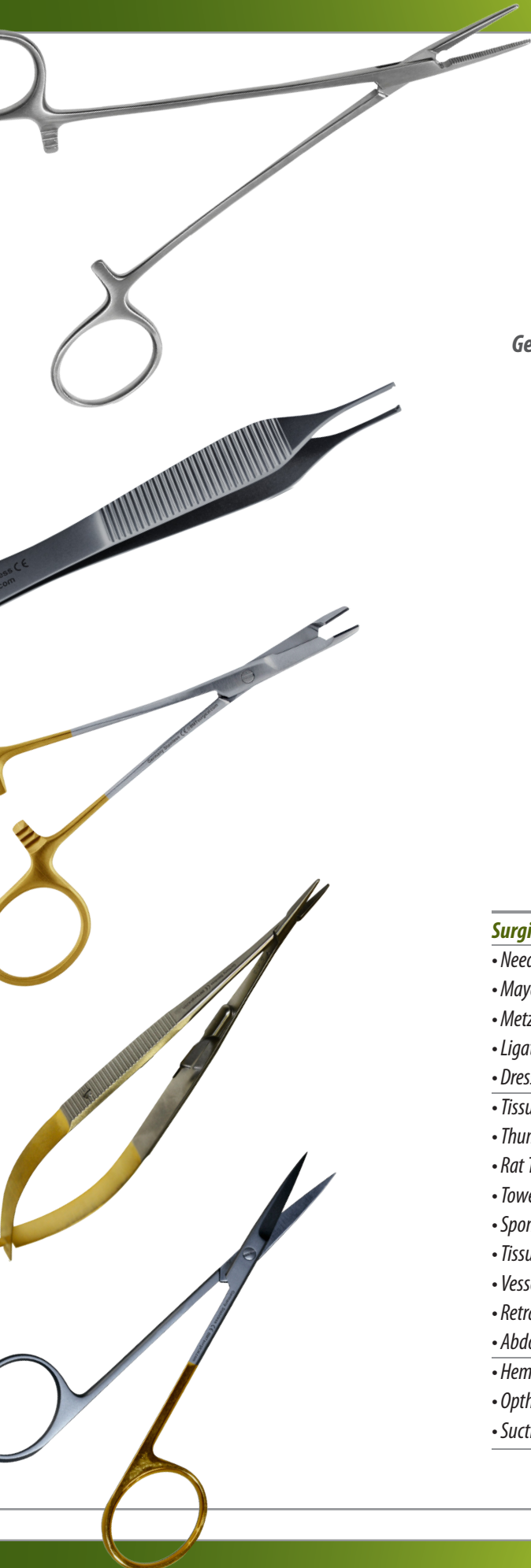
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Surgical Instruments

NEEDLE HOLDERS

BM-01	Olsen-Hegar, TC, 12 cm
BM-02	Olsen-Hegar, TC, 14 cm
BM-03	Olsen-Hegar, TC, 17 cm
BM-04	Olsen-Hegar, TC, 19 cm
BM-63	Olsen-Hegar, 17 cm
PH-40	Mayo-Hegar, 14 cm
PH-41	Mayo-Hegar, 16 cm
PH-42	Mayo-Hegar, 18 cm
PH-120	Mayo-Hegar, TC, 14 cm
PH-121	Mayo-Hegar, TC, 16 cm
PH-122	Mayo-Hegar, TC, 19 cm
PO-59	Mini-Gillies, TC, 14.5 cm
PO-97	Gillies, TC, 16 cm

MAYO DISSECTING SCISSORS

FM-5	Mayo, straight, blunt, 14 cm
FM-6	Mayo, curved, blunt, 14 cm
FM-24	Mayo, straight, blunt, 17 cm
FM-24SC	Mayo, straight, Super-Cut, 17 cm
FM-25	Mayo, curved, 17 cm
FM-25SC	Mayo, curved, Super-Cut, 17 cm
FM-140	Mayo, straight, TC, 14 cm
FM-141	Mayo, curved, TC, 14 cm
FM-142	Mayo, straight, TC, 17 cm
FM-143	Mayo, curved, TC, 17 cm

METZENBAUM SCISSORS

FM-1	Metzenbaum, straight, 14.5 cm
FM-2	Metzenbaum, curved, 14.5 cm
FM-3SC	Metz., straight, Super-Cut, 18.5 cm
FM-4SC	Metz., curved, Super-Cut, 18.5 cm
FM-67	Metzenbaum, curved, TC, 14.5 cm
FM-66	Metzenbaum, straight, TC, 14.5 cm

LIGATURE / SUTURE SCISSORS

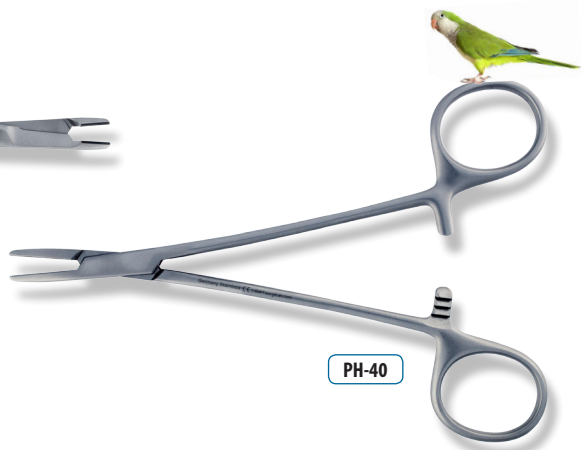
SC-2	Spencer, straight, 14.5 cm
SC-5	Spencer, curved, 11 cm
SC-13	Spencer, angled, 13 cm
SC-14	Spencer, straight, 12 cm

DRESSING SCISSORS

FG-31	Lister, Plaster Scissors, curved, 14.5 cm
FG-32	Lister, Plaster Scissors, curved, 18 cm
FM-9	Straight, blunt, 14.5 cm
FM-29	Straight, pointed and blunt, 14.5 cm
FM-47	Baby-Metz., straight, blunt, 11.5 cm



BM-01



PH-40



FM-5



FM-25SC



FM-1



FM-3SC



SC-2



FG-31



FM-47

Surgical Instruments

TISSUE FORCEPS

BD-30	Adson, 1x2 teeth, straight, 12 cm
BD-90	Adson, 1x2 teeth, straight, serrated, 12 cm
BD-92	Adson-Brown, 6x6 teeth, straight, 12 cm
BD-166	DeBakey, straight, 2.7mm, 16 cm
BD-167	DeBakey, straight 2.7mm, 20 cm
BD-280	Gillies, narrow, 1x2 teeth, 15 cm

THUMB DRESSING FORCEPS

BD-99	Straight, 13 cm
BD-100	Straight, 14.5 cm

RAT TOOTH FORCEPS

BD-70	Adson, 1x2 teeth, 15 cm
BD-273	Narrow, 1x2 teeth, 14.5 cm
BD-276	Narrow, 1x2 teeth, 20 cm

TOWEL CLAMPS

BF-41	Backhaus, 10 cm
BF-42	Backhaus, 9 cm
BF-43	Backhaus, 13.5 cm
BF-48	Jones, 9 cm
BF-50	Lorna, 10 cm
BF-74	For paper clothes, 11.5 cm

SPONGE AND DRESSING FORCEPS

BF-11	Foerster-Ballenger, straight, 24 cm
BF-79	Foerster-Ballenger, curved, 18 cm

TISSUE GRASPING FORCEPS

P-133	Allis, 3x4 teeth, 15 cm
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VESSEL CLAMPS

EA-32	Doyen, straight, 23 cm
EA-33	Doyen, curved, 23 cm

RETRACTORS

BV-14	Gelpi, curved, 9 cm
BV-15	Gelpi, curved, 11 cm
BV-16	Gelpi, 14 cm
BV-20	Weitlaner, sharp, 13.5 cm
BV-21	Weitlaner, sharp, 16.5 cm
BV-22	Weitlaner, blunt, 13.5 cm
BV-23	Weitlaner, blunt, 16.5 cm

ABDOMINAL SURGERY RETRACTOR

BT-44	Retractor, 2 teeth, blunt, 16 cm
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BD-30



BD-92



BD-99



BD-70



BF-41



BF-11



P-133



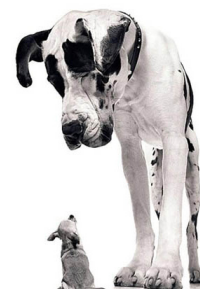
EA-32



BV-15



BT-44



Surgical Instruments

HEMOSTATIC FORCEPS (ARTERY FORCEPS)	
P-29	Rochester-Pean, straight, 16 cm
P-39	Rochester-Pean, curved 16 cm
P-82	Crile, curved, 14 cm
P-81	Crile, straight, 14 cm
P-86	Crile-Rankin, straight, 16 cm
P-87	Crile-Rankin, curved, 16 cm
P-85	Kelly, curved, 14 cm
P-84	Kelly, straight, 14 cm
P-91	Halsted, straight, 12.5 cm
P-92	Halsted, curved, 12.5 cm
P-95	Halsted-Mosquito, straight, 1x2, 12 cm
P-96	Halsted-Mosquito, straight, 12 cm
P-97	Halsted-Mosquito, curved, 12 cm
P-98	Halsted-Mosquito, curved, 1x2, 12 cm
P-120	Hartmann, straight, 9.5 cm
P-121	Hartmann, curved, 9.5 cm
P-238	Halsted, straight, 18.5 cm
P-239	Halsted, curved, 18.5 cm
P-247	Kelly-Rankin, curved, 16 cm
P-246	Kelly-Rankin, straight, 16 cm



OPHTHALMIC INSTRUMENTS	
BM-01	Needle Holder, Olsen-Hegar, TC, 12 cm
BM-61	Mini-Needle Holder, Olsen-Hegar, 12 cm
FD-17	Micro-Needle Holder, Castroviejo, 14 cm
FD-23	Needle Holder, Castroviejo, curved, Smooth, TC, 14 cm
FG-1	Scissors, Iris, straight, sharp, 11 cm
FG-2	Scissors, Iris, curved, sharp, 11 cm
FG-52	Scissors, Stevens, straight, sharp, 11 cm
FG-53	Scissors, Stevens, curved, sharp, 11 cm
PH-39	Needle Holder, Derf, straight, 12.5 cm
PH-69	Needle Holder, Derf, TC, 12 cm
P-238	Hemostat, Halsted, straight, 18.5 cm
P-239	Hemostat, Halsted, curved, 18.5 cm



SUCTION TUBES	
GF-12	Yankauer, 31 cm
GF-23	Poole, Ø 10mm, 24 cm
GF-29	Poole, Inox, 22 cm
GF-240	Frazier, CH.6, 18 cm
GF-241	Frazier, CH.7, 18 cm
GF-242	Frazier, CH.9, 18 cm
GF-243	Frazier, CH.12, 18 cm



Veterinary Kits

GENERAL PURPOSE KIT

BD-16	Dressing Forceps, straight, 16 cm
BD-274	Rat Tooth Forceps, 1x2 teeth, 16 cm
FG-1	Iris, Fine Scissors, 11 cm
FM-9	Dressing scissors, straight, blunt, 14.5 cm
FM-47	Baby-Metz., straight, blunt, 11.5 cm
GS-21	Nail/Bone Cutter, 12 cm
MA-B3	Scalple Handle, # 3, 12.4 cm

FELINE AND CANINE SPAY KIT

BD-30	Adson, Tissue Forceps, 1x2 teeth, 12 cm
BF-48	Jones, Towel Clamps, 9 cm
BM-01	Olsen-Hegar, Needle Holder, TC, 12 cm
BT-39	Snook Hook, 16 cm
FM-5	Mayo, Scissors, straight, blunt, 14 cm
MA-B3	Scalple Handle, # 3, 12.4 cm
P-54	Kelly, Hemostat, straight 12 cm
P-55	Kelly, Hemostat, curved 12 cm
P-96	Halsted-Mosquito, Hemostat, straight, 12 cm
P-97	Halsted-Mosquito, Hemostat, curved 12 cm
P-134	Allis, Grasping Forceps, 4x5, 15 cm

BITCH SPAY-NEUTER KIT

BF-42	Backhaus, Towel Forceps, 9 cm
BM-01	Olsen-Hegar, Needle Holder, TC, 12 cm
BT-39	Snook Hook, blunt, 16 cm
FM-24	Mayo, Scissors, straight, blunt, 17 cm
FM-71	Metzenbaum, Scissors, curved, 20 cm
MA-B3	Scalple Handle, # 3, 12.4 cm
P-54	Kelly, Hemostat, straight 12 cm
P-55	Kelly, Hemostat, curved 12 cm
P-96	Mosquito, Hemostat, straight 12 cm,
P-97	Mosquito, Hemostat, curved 12 cm,
P-134	Allis, Grasping Forceps, 4x5, 15 cm

FELINE DENTAL KIT

718-M23	Scaler, Double, sharp, # M23S, 16.5 cm
SM-12	Periodontal Probe # CP-12, 16 cm
725-3/4	Heidbrink, Elevator, double #3/4, 19.5 cm
BEIN-2	Bein, Elevator, 2mm, straight, 15.5 cm
BEIN-3	Bein, Elevator, 3mm, straight, 15.5 cm
PEB-1	Extraction Forceps, straight, # 137
MA-B3	Scalple Handle, # 3, 12.4 cm

CANINE DENTAL KIT

718-M23	Scaler, double, sharp, # M23S, 16.5 cm
725-3/4	Heidbrink, Elevator, double, #3/4, 19.5 cm
BEIN-2	Elevator 2mm, straight, 15.5 cm
BEIN-3	Elevator 3mm, straight, 15.5 cm
BEIN-4	Elevator 4mm, straight, 15.5 cm
PEB-1	Extraction Forceps, straight, # 137
PEB-3	Extraction Forceps, curved, # 3
PEB-5	Extraction Forceps, curved, # 5



Dental Instruments

CURETTES

USC-4RL	Columbia, # 4RL, 17 cm
USG-1/2	Gracey, # 1/2, 17 cm
USG-1/2S	Gracey, small, # 1/2S, 17 cm
USG-11/12	Gracey, # 11/12, 17 cm
USG-11/12S	Gracey, small, # 11/12S, 17 cm
USG-13/14	Gracey, # 13/14, 17 cm
USG-13/14S	Gracey, small, # 13/14S, 17 cm



USG-1/2



USG-11/12



USG-13/14

PROBES

SM-11	# CP-11, 16 cm
SM-12	# CP-12, 16 cm
SM-13	# CP-12S, 16 cm
SM-15	# CP-15UNC, 16 cm



SM-11



SM-12



SM-21

DOUBLE-ENDED EXPLORERS

707-23D1	Double Ended, # 23/17, 17 cm
707-23D2	Double Ended, # 23/17A, 17 cm



707-23D1



707-23D2

SCALERS

USS-5/33	Towner, # H5/J33, 16.5 cm
USS-15/30	Towner, # U15/J30, 17 cm
USS-15/33	Towner, # U15/J33, 17 cm
USS-H6/7	Towner, # H6/H7, 17.5 cm
USS-204S	# 204S, 17 cm



USS-5/33



USS-H6/7



USS-204S

EXTRACTION FORCEPS

PEB-1	Straight, # 137
PEB-2	Curved, # 139
PEB-3	Curved, # 3
PEB-5	Curved, # 5
DA-01	Root Fragment Forceps, 13 cm



PEB-1



PEB-2



DA-01



Dental Instruments

APICAL ELEVATORS

- DL-34** Apexo, straight, # 1
- DL-35** Apexo, curved, # 2
- DL-36** Apexo, curved, # 3

ROOT ELEVATORS

- DL-42** Bein, straight, small handle, 2 mm
- DL-43** Bein, straight, small handle, 3 mm
- DL-44** Bein, straight, small handle, 4 mm
- DL-45** Bein, curved, small handle, 2 mm
- DL-46** Bein, curved, small handle, 3 mm
- DL-47** Bein, curved, small handle, 4 mm
- DL-48** Seldin, straight, # 304W
- DL-49** Seldin, straight, # 34S

LUXATING ELEVATORS

- DL-106** Luxator, small handle, straight, 2mm
- DL-107** Luxator, small handle, straight, 3mm

WINGED TIP ELEVATORS

- DLV-W1** Winged, # 1 mm , 140 mm
- DLV-W2** Winged, # 2 mm , 140 mm
- DLV-W3** Winged, # 3 mm , 140 mm
- DLV-W4** Winged, # 4 mm , 140 mm
- DLV-W6** Winged, # 6 mm , 140 mm
- DLV-W8** Winged, # 8 mm , 140 mm

BEIN ELEVATORS

- BEIN-2** Bein, 2 mm, straight, 15.5 cm
- BEIN-3** Bein, 3 mm, straight, 15.5 cm
- BEIN-4** Bein, 4 mm, straight, 15.5 cm

MIRRORS AND HANDLES

- MA-1** Stainless, simple stem, solid, 12 cm
- MA-1A** Stainless, cone socket, solid, 12 cm
- MA-2** Stainless, simple stem, solid, 12.5 cm
- MA-2A** Stainless, cone socket, solid, 12.5 cm
- MA-3** Cromium, hollow, 12.5 cm
- MA-7** Stainless, hollow, 13.5 cm
- RH-4** Front Surface, rhodium, simple stem, #4
- RH-4A** Front Surface, rhodium, cone socket, #4
- RH-5** Front Surface, rhodium, simple stem, #5
- RH-5A** Front Surface, rhodium, cone socket, #5
- RH-14** Double Sided, rhodium, simple stem, #4

MOUTH GAGS

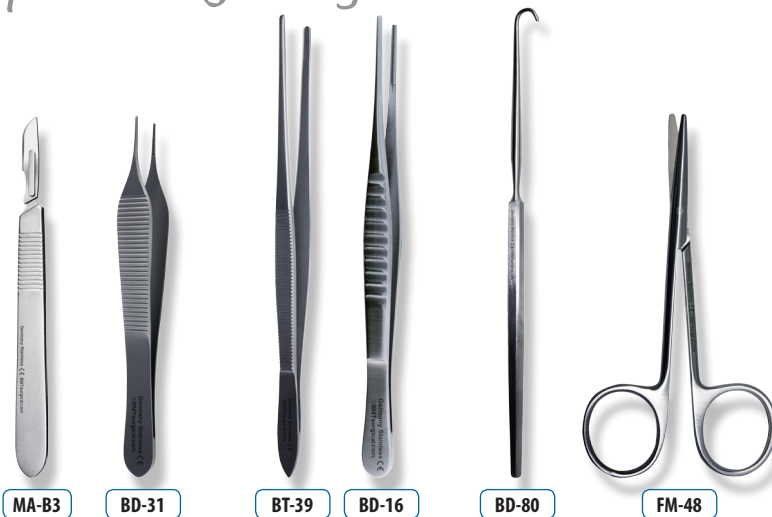
- VH-52** For dogs, 6 cm
- VH-53** For dogs, 10.5 cm
- VH-54** For dogs, 15 cm
- VH-55** For dogs, 17.5 cm



Supplementary Surgical Instruments

SUPPLEMENTARY INSTRUMENTS

BD-16	Dressing Forceps, straight, 16 cm
BD-21	Tissue Forceps, straight, 14.5 cm
BD-31	Adson, Tissue Forceps, straight, 12 cm
BD-80	DeBakey, Forceps, straight, 2mm, 16 cm
BD-206	Micro Forceps, curved 11.5 cm
BD-274	Tissue Forceps, narrow, 1x2 teeth, 16 cm
BD-361	Micro Forceps, angled, 0.3 mm, 11 cm
BT-39	Snook Hook, blunt, 16 cm
FG-15C	Iris, Scissors, straight, Super-Cut, 11 cm
FG-21	Scissors, straight, blunt, 11.5 cm
FG-22	Scissors, curved, blunt, 11.5 cm
FG-156	Scissors, straight, serrated, 11 cm
FG-157	Scissors, curved, serrated 11 cm
FM-4	Metzenbaum, Scissors, curved, 18.5 cm
FM-40	Scissors, curved, blunt, 18.5 cm
FM-48	Baby-Metz, Scissors, curved, 11.5 cm
FM-180	Lexer, Scissors, straight, 16.5 cm
MA-B3	Scalple Handle, # 3, 12.4 cm
MF-200	St-Martin, Forceps, straight 8.5 cm
MF-206	Paufigue, Forceps, 1x2 teeth, 8.8 cm
P-134	Allis, Grasping Forceps, 4x5, 15 cm
P-218	Rochester-Carmalt, Hemostat, curved, 16 cm
P-219	Rochester-Carmalt, Hemostat, straight, 16 cm



SHARPENING AND TESTING

DB-6A	"Arkansas", sharpening stone, # 6A
DB-15	Teflon Stick for sharpening test, Ø 0.8 x 10 cm

CLEANING

DB-07	Special rubber for metal, fine
DB-10M	"Cleanlact", bacteriostatic anti-corrosion milk, 250 ml
DB-12	Cleaning brush for instruments, 35-10 mm, 17.5 cm
DB-0L	"Sharpenoil", lubricating and sharpening oil, 30 cc



CODING

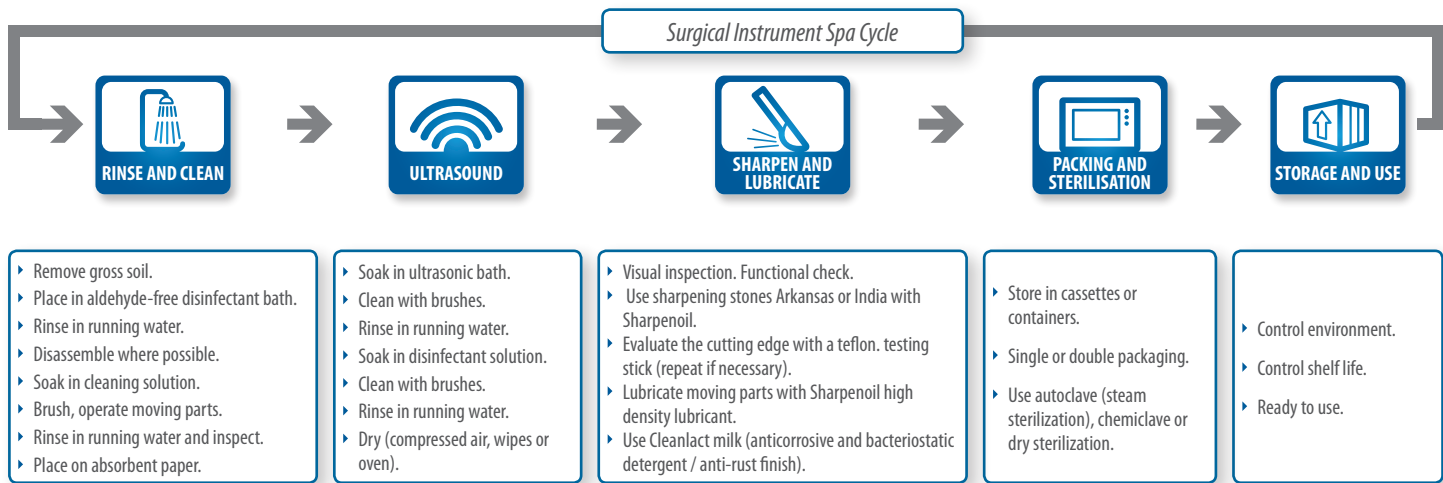
DB-941	Colored Silicone Code Rings, 120 pcs
DB-942	Colored Silicone Code Rings, 175 pcs

STAINLESS STEEL CASSETTES / SILICONE RACKS

BS-59	Autoclavable Tray for 5 instruments, 185x35x75 mm
BS-60	Autoclavable Tray for 10 instruments, 185x35x145 mm
BS-61	Autoclavable Tray for 20 instruments, 185x35x290 mm



Maintenance and Sterilization



SHARPEN YOUR INSTRUMENTS

Why? Surgical Instruments should be kept identical to their original design. Surgical procedures are most effective when using sharp instruments as they reduce hand and wrist fatigue, improve calculus removal, save time, improve tactile sensitivity, and minimize patient discomfort.

When? Instruments should be sharpened lightly after each use; there are two ways to evaluate whether the cutting edge is dull and requires sharpening:

- 1. Visual:** The cutting edge should be inspected regularly in a good light (and if possible, under magnification). If the cutting edge is blunt it will be rounded and reflect the light. A dull, non-reflective line indicates sharpness.
- 2. Teflon Test Stick (DB-15):** If the blade of the instrument runs smoothly over the testing stick, then it is blunt. A sharp instrument will grab into the stick and removes small fragments of the plastic.

How? Generally, the instruments should be sharpened following this procedure:

1. Place one drop of **sharpening oil** (DB-OL) on the **Arkansas stone**. Lubrication improves the movement of the instrument blade over the stone; also, it prevents the metal particles from clogging the stone.
2. Hold the instrument in one hand, while applying the stone to the lateral surface angled with the face of the blade.
3. Position the stone to contact the heel of the blade and work toward the tip, keeping the stone in contact with the blade throughout the sharpening procedure.
4. Move the stone up and down with short strokes, placing more pressure on the down stroke. (Do not move the instrument, keep the instrument still)
5. Finish sharpening the instrument with a down stroke; this will prevent a rough edge from forming.
6. Evaluate the sharpness with **testing stick**. If the blade is still dull, re-evaluate the angle of the stone and repeat the sharpening procedure (steps 2-6).

SHARPENING OF SCALERS AND CURETTES

Sickle Scaler Toe End: the sickle scaler has a pointed tip and, therefore, the stone is held straight as it nears the tip.

Curette Toe End: the curette has a rounded toe, so the position of the stone is adapted around the rounded cross-section.

With both types of instrument, always finish on a down stroke to remove any flash of metal.

SHARP AND DELICATE INSTRUMENTS

Scissors, needle holders or bone forceps should be cleaned manually by using cleaning brushes.

LUBRICATION

Regular use of "Sharpenoil" lubricant and sharpening oil and "Cleanlact" detergent, will prevent rust, corrosion, and stiff joints.

TC INSTRUMENTS

Tungsten carbide instruments are more sensitive to chemicals and require special care. They should never be exposed to chemical substances or to any other corrosive chemicals.

SHARPENING

Regular sharpening will enhance the life of your cutter and will improve the quality of your work.

ULTRASOUND CLEANING

It is not recommended for scissors, needle holders, bone forceps and all tungsten carbide instruments.

CARE OF SHARPENING STONES

After use, wipe the stone with a clean cloth to remove metal particles. Then, clean the stone by scrubbing or using ultrasound to remove lubricant before sterilization. After sterilization, lubricate before each use. Be sure to use entire stone to prevent "grooving".

RINSE AND CLEAN

Immediately after surgery, rinse instruments under warm running water (NOT HOT). Use only neutral pH detergents.

ULTRASOUND CLEANING

It is recommended for regular instruments such as hand instruments and forceps, following this procedure:

- Sort instruments carefully so as to include only instruments compatible with ultrasonic cleaning.
- Place instruments in open position.
- Make certain sharp edges are not touching other instruments.
- Do not combine different metals (stainless, copper, chrome plated, etc.).
- Change solution frequently to avoid accumulation of micro organisms.
- After rinsing and before sterilization, inspect and dry the instruments thoroughly.

⚠ Remember: Ultrasonic cleaning does not sterilize. Do not use for TC instruments, sharp and delicate instruments

STERILIZATION

Autoclave (Steam Sterilization)

Time: 4 - 20 min. / Temperature: 130° - 134°C (266° / 273°F)

Chemiclave

Time: 4 - 20 min. / Temperature: 130° - 134°C (266° / 273°F)

Dry Sterilization

Time: 60 - 90 min. / Temperature: 160° - 170°C (320° / 340°F)

⚠ Remember: Sterilization cannot substitute cleaning.



**Dental
Medicine**



**Plastic
Surgery**



**General Surgery
and Specialties**



**Veterinary
Medicine**

