# TERAFLOAT®

# POWER DENTISTRY 2022



TERAFLOAT POWERDENTISTRY Terafloat ® Designed and Manufactured by Swissvet Veterinary Products



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> > 2022

# THE TERAFLOAT ®



# LIGHTWEIGHT PERFECTION

The concept of the Terafloat is simple: a lightweight instrument with lithium batteries and a range of interchangeable shafts with unique features. The combination of modern materials, a smart design and Swiss quality makes the Terafloat the perfect instrument for state-of-the-art equine dentistry treatment of the 21st century. Since its introduction in 2015, the Terafloat has been a tremendous success among equine veterinarians and it is equally liked by horse owner and trainers.



# ONE NAME - THREE LINES ECO, LED AND FLX

Terafloat offers three lines of power instruments: The ECO line, the LED line and the FLX line. Each line has a wide range of instrument sets from basic to professional, to satisfy every budget and every treatment approach. Together they meet the demands from the general large animal practitioner to the equine dentistry specialist.

Assembly and service is performed in several locations around the world. The Terafloat is distributed in over 20 countries. Swiss quality and a one year warranty are standard.

### FOR VETS FROM A VET

The Terafloat was developed by the board certified Swiss veterinarian Dr. Ruedi Steiger, DACVIM. He moved to the US for a residency program in equine medicine but found his true passion in equine dentistry. Dr. Steiger owns Swissvet and he is still practicing and teaching equine dentistry.

Dr. Steiger combined 20+ years of dentistry experience with Swiss engineering to design his version of a perfect equine Powerfloat. The high precision parts for the Terafloat are machined in Switzerland exclusively for Swissvet.



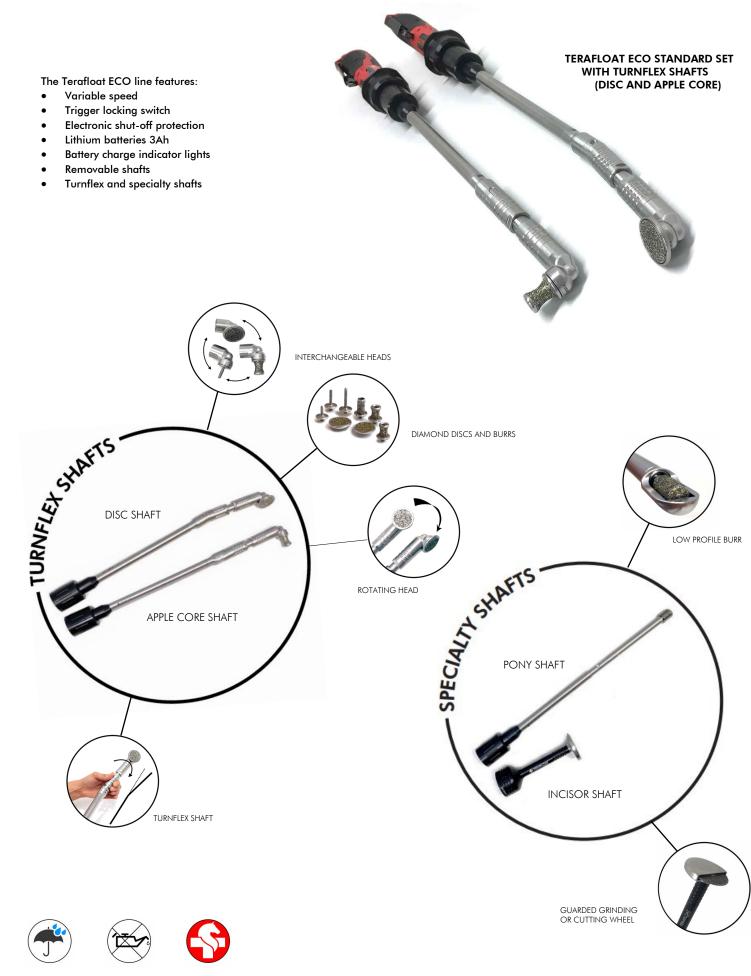
### HOW TO CHOOSE A TERAFLOAT

- 1. Select a model line: ECO, LED or FLX
- 2. Pick the turnflex shafts: Disc shaft and/or Apple core shaft
- 3. Consider specialty shafts: Pony and/or Incisor shaft
- 4. Find the set that meets your selection



# **TERAFLOAT® ECO**

STURDY AND AFFORDABLE



WATER RESISTANT - MAINTENANCE FREE - SWISS MADE

The Terafloat ECO line is amazing for everyday dentistry. It offers all Terafloat features but without the LED illumination. It is a sturdy and versatile solution for a great price.

The two turnflex shafts have the Turnflex mechanism to quickly switch from a straight or curved position allowing the perfect positioning of the grinding head. The apple core shaft and the disc shaft are identical, but each use a different grinding head. The diamond coated Terafloat burrs and discs are Swiss made and they are interchangeable. The routine shafts are efficient and produce precise dental work.

The two specialty shafts, the pony shaft and the incisor shaft, use the same motor and they are easily interchanged. The pony shaft has a low profile guarded burr that reaches tight spaces and the incisor shaft has a large cutting or grinding wheel which allows for efficient and precise incisor work.

The ECO line is great for the general practitioner that wants a modern instrument with smart features that allows detailed equine dentistry procedures at an affordable price. When upgrading to an advanced or professional set, all corners of dentistry are covered with the ECO line.

Several Terafloat Eco sets are available. The components are modular and interchangeable, making it easy to upgrade from one set to the next.



# T-0037EG: TERAFLOAT ECO BASIC SET

Motor and Turnflex shaft ECO with disc T3. Two batteries, charger, accessory bag and case.

# T-0040EG: TERAFLOAT ECO BASIC PLUS SET

Motor and Turnflex Shaft ECO with disc T3 and additional head with Apple Core Burr A2. Two batteries, charger, accessory bag and case.





# T-0043EG: TERAFLOAT ECO STANDARD SET

Two motors and two ECO Shafts: Turnflex Shaft ECO with disc T3 and Turnflex Shaft ECO with Apple Core Burr A2. Three batteries, charger, accessory bag and case.

# T-0061EG: TERAFLOAT ECO ADVANCED SET (INCISOR)

Two motors and three ECO Shafts: Turnflex Shaft with disc T3, Turnflex Shaft with Apple Core Burr A2 and Incisor Shaft. Three batteries, charger, accessory bag and case.





### T-0002EG: TERAFLOAT ECO ADVANCED SET (PONY)

Two motors and three ECO Shafts: Turnflex Shaft with disc T3, Turnflex Shaft with Apple Core Burr A2 and Pony Shaft. Three batteries, charger, accessory bag and case.

### T-0028EG: TERAFLOAT ECO PROFESSIONAL XS SET

Two motors and four ECO Shafts: Turnflex Shaft with disc T3, Turnflex Shaft with Apple Core Burr A2, Pony Shaft and Incisor Shaft. Three batteries, charger, accessory bag and case.





# T-0064EG: TERAFLOAT ECO PROFESSIONAL XL SET

Four motors and four ECO Shafts: Turnflex Shaft with disc T3, Turnflex Shaft with Apple Core Burr A2, Pony Shaft and Incisor Shaft. Six batteries, 4-bay Charger, accessory bag, incisor speculum and large case.



# **TERAFLOAT® LED**

LIGHT WEIGHT PERFECTION



WATER RESISTANT - MAINTENANCE FREE - SWISS MADE

The Terafloat LED line is the perfect power float for equine dentistry. It is lightweight, battery powered, water proof, maintenance free, durable and the built-in LED lights illuminate the oral cavity for perfect examination and treatment.

The two turnflex shafts have the Turnflex mechanism to quickly switch from a straight or curved position allowing the perfect positioning of the grinding head. The apple core shaft and the disc shaft are identical, but each use a different grinding head. The diamond coated Terafloat burrs and discs are Swiss made and they are interchangeable. The routine shafts are efficient and produce precise dental work.

The two specialty shafts, the pony shaft and the incisor shaft, use the same motor and they are easily interchanged. The pony shaft has a low profile guarded burr that reaches tight spaces and the incisor shaft has a large cutting or grinding wheel which allows efficient and precise incisor work.

The Terafloat LED is an efficient and practical instrument with smart features for the most proficient equine dentistry procedures of the 21st century.

Several Terafloat LED sets are available to satisfy all dentistry needs. The modular components are interchangeable, making it easy to upgrade from one set to the next.





# T-0005EG: TERAFLOAT LED BASIC SET

Motor and Turnflex Shaft LED with disc T3. Two batteries, charger, accessory bag and case.

# T-0008EG: TERAFLOAT LED BASIC PLUS SET

Turnflex Shaft LED with disc T3 and additional head with Apple Core Burr A2. Two batteries, charger, accessory bag and case.





# T-0015EG: TERAFLOAT LED STANDARD SET

Two motors and two LED Shafts: Turnflex Shaft with disc T3 and Turnflex Shaft with Apple Core Burr A2. Three batteries, charger, accessory bag and case.

# T-0051EG: TERAFLOAT LED ADVANCED SET (INCISOR)

Two motors and three LED Shafts: Turnflex Shaft with disc T3, Turnflex Shaft with Apple Core Burr A2 and Incisor Shaft. Three batteries, charger, accessory bag and case.





### T-0054EG: TERAFLOAT LED ADVANCED SET (PONY)

Two motors and three LED Shafts: Turnflex Shaft with disc T3, Turnflex Shaft with Apple Core Burr A2 and Pony Shaft. Three batteries, charger, accessory bag and case.

### T-0012EG: TERAFLOAT LED PROFESSIONAL XS SET

Two motors and four LED Shafts: Turnflex Shaft with disc T3, Turnflex Shaft with Apple Core Burr A2, Pony Shaft and Incisor Shaft. Three batteries, charger, accessory bag and case.





### T-0057EG: TERAFLOAT LED PROFESSIONAL XL SET

Four motors and four LED Shafts: Turnflex Shaft with disc T3, Turnflex Shaft with Apple Core Burr A2, Pony Shaft and Incisor Shaft. Six batteries, 4-bay Charger, accessory bag, incisor speculum and large case.



# **TERAFLOAT® FLX**

# FLEXIBLE PERFECTION

# TERAFLOAT FLX WITH TURNFLEX DISC SHAFT

- The Terafloat FLX line features:
- Variable speed trigger with trigger lock
- Electronic shut-off protection
- Lithium batteries 6Ah
- Battery charge indicator lights
- Carrying belt with pivoting motor clip
- Holster for grinding shaft
- Reinforced flexible drive shaft
- Waterproof magnetic quick connectionTurnflex shafts and specialty shafts



WATER RESISTANT - MAINTENANCE FREE - SWISS MADE

The Terafloat FLX line is perfect for the one handed treatment technique often favored in Europe. The motor pivots on a carrying belt with an instrument holster to hold the grinding shaft if needed. The connection between the reinforced flexible drive shaft and the grinding shafts is magnetic and waterproof.

The two turnflex shafts have the Turnflex mechanism to quickly switch from a straight or curved position allowing the perfect positioning of the grinding head. The apple core shaft and the disc shaft are identical, but each use a different grinding head. The diamond coated Terafloat burrs and discs are Swiss made and they are interchangeable. The routine shafts are efficient and produce precise dental work.

The three specialty shafts, the pony, the incisor and the profiling shaft. The pony shaft has a low profile guarded burr that reaches tight spaces and the incisor shaft has a large cutting or grinding wheel which allows efficient and precise incisor work. The profiling hand piece handles detailed work in the rostral aspect of the oral cavity including incisor work and '06 profiling.



Various Terafloat FLX sets are available, and the components are modular and interchangeable, making it easy to upgrade from one set to next level.



# T-0078EG: TERAFLOAT FLX BASIC SET

Motor with waist belt, Flexdrive and Turnflex FLX Shaft with disc T3, two batteries, charger, accessory bag and case.

# T-0081EG: TERAFLOAT FLX BASIC PLUS SET

Motor with waist belt, Flexdrive and Turnflex FLX Shaft with disc T3. Additional head with Apple Core Burr A2. Two batteries, charger, accessory bag and case.





# T-0084EG: TERAFLOAT FLX STANDARD SET

Motor with waist belt, Flexdrive and two FLX Shafts: Turnflex Shaft with disc T3 and Turnflex Shaft with Apple Core Burr A2. Two batteries, charger, accessory bag and case.

# T-0090EG: TERAFLOAT FLX ADVANCED SET (INCISOR)

Motor with waist belt, Flexdrive and three FLX Shafts: Turnflex Shaft with disc T3 and Turnflex Shaft with Apple Core Burr A2 and Incisor Shaft. Two batteries, charger, accessory bag and case.





### T-0097EG: TERAFLOAT FLX ADVANCED SET (PONY)

Motor with waist belt, Flexdrive and three FLX Shafts: Turnflex Shaft with disc T3 and Turnflex Shaft with Apple Core Burr A2 and Pony Shaft. Two batteries, charger, accessory bag and case.

### T-0093EG: TERAFLOAT FLX PROFESSIONAL XS SET (INCISOR/PONY)

Motor with waist belt, Flexdrive and four FLX Shafts: Turnflex Shaft with disc T3, Turnflex Shaft with Apple Core Burr A2, Incisor Shaft and Pony Shaft. Two batteries, charger, accessory bag and case.





# T-0454EG: TERAFLOAT FLX PROFESSIONAL XL SET

Motor with waist belt, Flexdrive and five FLX Shafts: Turnflex Shaft with disc T3, Turnflex Shaft with Apple Core Burr A2, Incisor Shaft, Pony Shaft and Profiling Shaft with large burr. Two batteries, charger, accessory bag and large case.



# **TERAFLOAT COMPONENTS**

Clinic charger (T-0129U) Milwaukee 4-bay charger (used in professional sets)



Diastema Burr D2 (T-0262) Long cylindrical diamond-coated Diastema Burr D2 for non-guarded head

Diastema Burr D3 (T-0263) Extra long cylindrical diamond-coated Diastema Burr D3 for non-

Incisor Wheel S1 (T-0285) Large cutting and grind-







Small Burr P1 (T-0283) Cylindrical Profiling Burr P1 for Pony Shaft or Profiling Shaft with guard

Large Burr P2 (T-0284) Cylindrical Profiling Burr P2, only for Profiling Shaft FLX without guard

Non-guarded Terafloat head & short Diastema Burr D1 (T-0190) Non-guarded head with short Diastema Burr D1 for Turnflex Shafts ECO, LED or FLX

Non-guarded Terafloat head & medium Diastema Burr D2 (T-0191) Non-guarded head with medium Diastema Burr D2 for Turnflex Shafts ECO, LED or FLX

Non-guarded Terafloat head & long Diastema Burr D3 (T-0192) Non-guarded head with long Diastema Burr D3 for Turnflex Shafts ECO, LED or FLX











Small battery (T-0122) Milwaukee 12V battery

3.0Ah

Large battery (T-0120) Milwaukee 12V battery 6.0Ah

Rotary disc T3-C10 (T-0206) Diamond-coated Rotary disc T3 for guarded head



Apple Core Burr A2 (T-0212) Diamond-coated Apple Core Burr A2 for non-guarded head

Apple Core Burr canine A4 (T-0217) Diamondcoated Apple Core Burr for non-guarded head with additional inside coating for canine work

Diastema Burr D1 (T-0261) Short conical-tipped

diamond-coated Diastema Burr D1 for non-

Cylindrical Burr large Z1 (T-0221)

guarded head

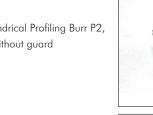
guarded head

Diamond-coated Cylindrical Burr large Z1 for non-



ing wheel S1 for Incisor Shaft

guarded head



# **USER INSTRUCTIONS**

### IMPORTANT

Always use sufficient sedation and a good quality full mouth speculum for treatment. Perform the procedures only if you have adequate training and experience with equine dentistry. Remove dental material conservatively - avoid that horses receive excessive treatment. If you have any questions or concerns please do not hesitate to contact Swissvet for assistance.

These instructions are valid for all three product lines of the Terafloat, ECO, LED and FLX.

Incisors (1) and Canines (also see 9): This procedure is best done at the beginning of the dental work when sedation is the strongest, with the Swissvet incisor speculum. Use the grinding disc for work on incisors (1) and additionally the apple core burr for smoothening the canines. Advanced users may consider the Terafloat Incisor float (9).

Points on lower (2) and upper arcade (3): Use the apple core burr and place it at a 45 degree angle on the lingual (2, lower arcade) or vestibular (3, upper arcade) side of the cheek teeth where points need to be smoothed and move caudally. Closing the speculum by one click on the treatment side can increase the space between cheek and teeth. Remove sharp points conservatively.

Hooks on lower (4) and upper arcade (5): Hooks can be reduced with grinding discs, the apple core burrs, or large cylindrical burrs, depending on the pathology as well as the space between upper and lower arcade.

When floating caudal hooks you may flex the shaft toward the lingual side to push the tongue away and hold the float straight to work your way from the lingual side onto the hooks (4). You may use your hand to guide the grinding head for rostral hooks (1/206). Flexing the shaft down helps avoiding the incisor plates of the speculum (5).

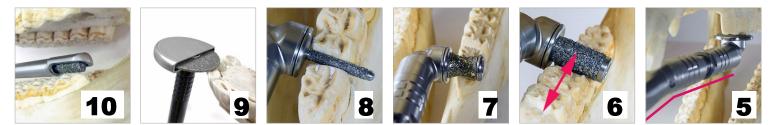
Waves and steps: Use the grinding disc (see 4) or, if space is very limited, the large cylindrical burr (6) to reduce waves or steps. Do not accidentally open a pulp cavity and do not take more than two cheek teeth out of occlusion one either side to avoid excessive stress on the remaining teeth in occlusion.

**Bit seat (7):** Use the apple core burr to place a bit seat and consider guiding the instrument with your second hand for better control of the procedure. Make sure not to open the pulp with this procedure.

**Diastema (8):** Use the long mandibular (D2), long maxillary (D3) or short (D1) diastema burr to enlarge an interdental space - with precaution. Make sure you understand the risk of this procedure and perform it only if other treatments have failed.

**Incisor work (9) using the incisor shaft:** Attention: this hand piece grinds very aggressively; make sure you don't over correct or open a pulp. Heat production is typically not a concern but check manually for heat. Use this hand piece to grind (9) or to cut the incisor to the desired length or shape. It is best to block the trigger lock and hold the motor/shaft with one hand and the mandible or maxilla with the other. Alternatively, incisor work can be done using the disk shaft.

Working with small breeds or in tight spaces (10) using the pony shaft: The pony shaft offers the perfect solution if the anatomy doesn't allow enough room for routine shafts. The pony shaft is available for the ECO, FLX and the LED line. It has a small profile diamond burr to grind the tooth into the desired shape or to shorten it enough to apply the disc shaft or the apple core shaft to finish the job.











Swissvet Standard Speculum (S-0012) McPherson style speculum, 5 adjustment levels, stainless steel (magnetic) with BioThane straps, standard AND half-circle plates

Swissvet Optimum Speculum (S-0015) Millenni-

um style speculum, 22 adjustment levels, stain-

less steel (magnetic) with BioThane straps, stand-

Standard Plates (S-0050) Stainless steel

(magnetic) standard plates for full-mouth specu-

ard AND half-circle plates

lum

protection)

Germany)



Pony Mighty Speculum (S-0019) Pony-sized stainless steel speculum, Mighty style, with BioThane straps and half-circle plates (made in Pakistan)





Modified Gunther Speculum (S-0022) Modified Gunther speculum with moveable bite plates for MITSE technique; stainless steel with BioThane



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strap

Flush Syringe 400mL (S-0110) Flush syringe 400 mL, two-handed model, with spare seal



Half Circle Plates (S-0054) Stainless steel (magnetic) half-circle plates for full-mouth speculum

Endodontic Plates (S-0060) Stainless steel

(magnetic) standard plates for full-mouth specu-

TARO speculum (S-0016) Aluminum full-mouth

speculum with rapid-close knobs, adjustable

incisor plates, and BioThane straps (made in

lum with gap for endodontic treatment (pair)

- Swissvet Incisor Speculum (S-0026) Incisor specu-

Flush Syringe 300mL (S-0111) Flush syringe with

pistol grip 300 mL, one-handed model, with



Swissvet Dental Head Ring (S-0034) Head support ring with pivoting base, rope with cleet



Spreader Bar (S-0030) Stainless steel spreader bar for full-mouth speculums (fits McPherson or Millennium type speculums)

Cheek Retractor (S-0031) Stainless steel cheek retractor for full-mouth speculums



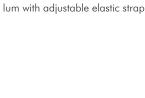


Vienna Speculum (S-0018) Standard-sized stainless steel speculum, with handle, with leather straps and half-circle plates (made in Germany)





spare seal



Headstand Standard (S-0035) Hoofjack head stand, standard model with a red base



**Periodontometer Set (S-0250)** Erbrich periodontometer set with stainless steel handle and 2 periodontometer screw on tips, long (90deg) and short (60deg), made in Germany.



**Headstand Articulated (S-0036)** Hoofjack head stand with advanced articulated cradle and a red base

Instrument Rack (S-0037) Instrument rack for

Dental Mirror small 30mm (S-0045) Stainless steel

handle with four screw on mirror tis, pouch.

Hoofjack head stand

**Periodontometer tip LONG (S-0252)** Stainless steel replacement tip long 90 deg.

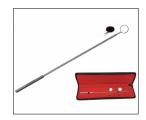
**Periodontometer tip SHORT (S-0253)** Stainless steel replacement tip short 60 deg.





Wolf Tooth Set Small (S-0201) Wolf tooth extraction set with 3 elevators, 2 forceps, and pouch





Wolf Tooth Set Large (S-0202) Wolf tooth extraction set with 5 elevators, 5 forceps, one scaler, and stainless steel instrument box



Dental Mirror 50mm (S-0040) Dental mirror 50mm, stainless with T-handle. Replacement mirror available upon request (S-0041)

**Illuminated Dental Mirror 48mm (S-0042)** Illuminated dental mirror 48mm with LED light, one AA battery, and protective pouch (made in Germany). Replacement mirror available upon request (S-0044)

**Examination Set (S-0400)** Examination and exploration set with 2 handles, straight (S-0403) and T-bar (S-0402), 12 screw on tips (S-0401), and pouch

Tarter Removal Scaler (S-0405) Scaler with flat and pointy tip, for canine tooth tartar removal.



**Stainless steel box (S-0203)** Stainless steel instrument box with lid





Wolf Tooth Set Long (S-0200) Set of 3 stainless steel elevators and 4 forceps, 30 cm long, with pouch.



Wolf Tooth Elevators Long Pair (S-0204) Set of 2 stainless steel elevators 30 cm length







Wolf Tooth Forceps Angled 11" (S-0255) Stainless steel 11" wolf tooth forceps, angled.



S-Float (S-0101) S-shaped hand float with carbide chips (made in Germany)



Hippodent Handle Short (S-0240) or Long (S-0241) Short hippodent hand float handle 10" with pistol grip OR long hippodent hand float handle 16" with pistol grip: without blade (made in Germany)

Hippodent Blades with carbide chips

For Hippodont handle short or long

(S-0243) Curved up blade (for caudal area)

(S-0242) Curved down blade (for rostral area)

Swissvet Twitch (S-0115) L-shaped stainless steel

twitch with 6mm rope, single person model with

forceps 11" (S-0302), mallet (S-0305), fine ele-

vator (S-0306), flat elevator (S-0308), and set of

(S-0242) Straight blade

(made in Germany)

brass bolt snap

5 gouges (S-0416)

Swissvet Mallet (S-0305)

# S-0240 ۵ S-0241 0

S-0242 ==

S-0243 ==

S-0244 ==

Elevator Flat (S-0308) Stainless steel flat curved blade elevator for gingiva separation

Elevator Fine (S-0306) Stainless steel elevator with fine tip for fragment removal

















Gingiva Elevator Set (S-0418) Set of 2 stainless steel t-bar handle elevators for gingiva or fragments

Incisor Forceps 11" (S-0302) Stainless steel

forceps with 11" handle

Alligator Forceps 40cm set of two (S-0409) Alligator forceps straight (S-0406) and Alligator forces 90 deg tip (S-0407, stainless steel

molar fragment elevator set with 2 t-bar handles and 10 inserts (5 flat and 5 convex), stainless

Gouges Set (S-0416) Erbrich strong gouges set

Scaler Filling Instrument (S-0417) Erbrich filling instrument for diastema treatment, with scaler end and 30mm long ball point 2.8mm, made in Germany.

Reynolds Caps removal forceps set (S-0220) Set of 2 forceps for deciduous cheek tooth removal, stainless steel.

steel

of 5 (6, 8, 10, 12, 14mm) (made in Germany)

Stainless Steel Mallet, 750g





Curette (S-0304) Stainless steel curette

Incisor Extraction Set Swissvet (S-0301) Incisor



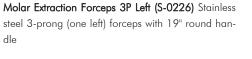
Octagonal Elevator Set (S-0419) Gingiva and

**Trephane Set (S-0410)** Stainless steel trephine set, two round trephines cutters, 19mm / 22mm, T-handle



Molar Extraction Goose Neck (S-0309) Stainless steel long goose neck molar forceps, round handle





Molar Extraction Forceps 3P Right (S-0227) Stain-

less steel 3-prong (one right) forceps with 19" round

Molar Extraction Forceps 4P (S-0228) Stainless steel

4-prong forceps with 19" round handle

handle

**A** 

Reverse Molar Extraction Forceps Lower (S-0239) Stainless steel straight reverse molar extraction forceps for mandibular 06 with 19" round handle





**Reverse Molar Extraction Forceps Upper (S-0245)** Stainless steel curved reverse molar extraction forceps for maxillary 06 with 19" round handle





Fulcrum With Aluminum Blocks (S-0236) Fulcrum with two stainless steel handles and 7 aluminum blocks



Molar Extraction Set (S-0225) Stainless steel extraction forceps set with (1) 3-prong left, (1) 3-prong right, (1) 4-prong, (1) molar spreader, and transport pouch

Molar Extraction Forceps 4P Pony (S-0233) Stain-

less steel pony sized 4-prong forceps with 19"

round handle

Molar Fragment Forceps Set (S-0320) Molar fragment extraction set with 3 stainless steel fragment forceps (20, 40, and 60mm)





Molar Fragment Forceps Universal (S-0321) Universal stainless steel 4cm molar fragment forceps with19" round handle







Molar Spreader Long 3mm (S-0231) Stainless steel standard spreader with 3mm blades and 19" round handle



Molar Extraction Forceps Concave (\$-0323) Universal molar forceps, concave jaws, round handle



Molar Spreader Long 6mm (S-0238) Stainless steel standard spreader with 6mm blades and 19" round handle





# LIGHTWEIGHT PERFECTION







# TERAFLOAT EUROPE

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