EQUINE DENTISTRY CATALOG

2013
SWISSVET VETERINARY PRODUCTS

“SWISS QUALITY FOR YOUR HORSE”
**Inspiration:** In 1997 I came from Switzerland to start my residency in equine internal medicine. Early in the program I had to float a geriatric horse with nothing more than some old rusty hand floats. I remembered that we had an impressive instrument in Switzerland—the Swissfloat for equine dentistry. I founded Swissvet, and began importing equine dentistry equipment.

**Innovation:** With entrepreneurial spirit, I saw an opportunity to make a positive change in horse welfare. By continuously expanding the range and quality of the instruments we offer, we ensure our veterinary clients have access to the best tools to help their clients. In addition, we aim to provide excellent service that ensures the longevity of the instruments.

**Dedication:** Today I am proud to know that Swissvet offers a wide range of excellent dental instruments that satisfy the needs of every practitioner or equine dentistry specialist. Our sales activities, in concert with publications and educational events, have contributed to the revolutionary changes in the field of equine dentistry in the last decade.

Ruedi Steiger DACVIM
SWISSVET VETERINARY PRODUCTS
ROUTINE DENTISTRY

SWISSFLOAT

The work horse of routine dentistry; cored or cordless.
No daily maintenance. Ideal for visual and non-visual work.

The Swissfloat is a sturdy instrument with a slim belt drive design and 16” or 21” rotatable shaft. The instrument is easy to use, quick and safe. Raised guards on either side of the disc provide additional protection for the horse and prevent the disc from sliding off tooth surfaces, making it ideal for non-visual work. A fine carbide disk and durable diamond disk can be changed out by the user. A cordless Dewalt motor is available.

SF16-120 (or SF21-120): 16” (or 21”) Swissfloat Slimline, Hitachi motor 120V w. GFCI, carbide disc, transport bag., incisor speculum
SF16-D18 (or SF21-D18): 16” (or 21”) Swissfloat Slimline, Dewalt motor 18V, 2 Li-Ion batteries, charger, Carbide disc, transport bag.
SF-CD: Swissfloat carbide disc (fine)
SF-DD: Swissfloat diamond disc (coarse)

HDE-FLOAT

Most affordable compact instrument for visual dentistry.
Curved shaft, no daily maintenance. Corded or cordless.

Diamond coated rotary disk design. The curved shaft of the HDE Float allows for more detailed dentistry work. The head with the diamond disk can be rotated. The cable drive in the shaft is protected by a clutch. Available in a corded or cordless Dewalt version. A straight model is available.

HDEFS-120: HDE float straight with Bosch motor 120V, GFCI shock protector, coarse diamond disc, carrying case, incisor speculum
HDEFC-120: HDE float curved with Bosch motor 120V, GFCI shock protector, coarse diamond disc, carrying case, incisor speculum
HDEFS-D18: HDE float straight, Dewalt 18V motor, two Li-Ion batteries, charger, coarse diamond disc, carrying case, incisor speculum
HDEFC-D18: HDE float curved, Dewalt 18V motor, two Li-Ion batteries, charger, coarse diamond disc, carrying case, incisor speculum

HDE - ProMal 200

The starter pack of the HDE system.
Durable and practical.

The carrying case carries three basic floating hand pieces, motor and flexible shaft and has space available for a full mouth speculum. The diamond coated burrs are designed for routine work on upper arcade, lower arcade and incisors. The set is ready for additional hand pieces. Compact design used with an extension tube.

ProMal 200: Maxillary hand piece (F1), Mandibulary hand piece (F2), Angle hand piece (F3), extension, 48” flexible shaft, Suhner motor 120V, belt, GFCI, HDE carrying case with lid insert, incisor speculum
FRA_LCV3: clutch accessory

HDE - ProMal 6

Same design as the HDE float, ready for additional hand pieces.
Light weight, convenient for routine work.

The curved shaft of the HDE long Flexxi-Disc hand piece allows for more detailed dentistry work. Without an attached motor, the grinding hand piece is light-weight and noiseless. The head with the diamond disk can be rotated. Shear pins protect the cable, a clutch is optional.

ProMal 6: Flexiddisk long curved (GF8T) diamond disc, 48” flexible shaft, Suhner motor 120V, belt, GFCI, long carrying case, incisor speculum
FRA_LCV3: clutch accessory

Additional HDE hand pieces and Polyfloat burrs are available - as well as a wide range of dentistry accessories
**HDE - ProMal17**

**Basic starter set for advanced dentistry**

Practical and versatile instruments can tackle most jobs

The ProMal17 dentistry set includes three essential advanced hand pieces: the Flexxi-Disc, Polyfloat, and angle drill. The diamond coated grinding surfaces of these instruments are durable and require no daily maintenance. The hand pieces are connected to the powerful motor via a reinforced flexible drive shaft so they are lightweight and noiseless to use. The cable is protected by shear pins and a clutch is also available for superior security. Establish a foundation with the ProMal17 set and build your advanced dental practice as you add pieces for more detailed profiling.

**ProMal17:** Long curved Flexxidisc w. diamond disk (GF8T), long straight Polyfloat (GFPV2), angle drill (F3), medium apple core burr, 48” flexible shaft, Suhner motor 120v, belt, GFCI, long carrying case, incisor speculum.

**FRA_LCV3:** clutch accessory

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**HDE - ProMal18**

**Precise and specific instruments for the most detailed profiling**

All-inclusive professional set

The ProMal18 dentistry set includes a selection of precise instruments to achieve the highest level of detail in tooth profiling. The compact tools are designed for work on the upper and lower molar arcades, canines, and incisors and is used with the included extension to access caudal areas. The 48” flexible drive shaft is protected by shear pins and has an optional clutch for superior security. The powerful motor is lightweight and noiseless. Keep all your tools safe and organized in the heavy-duty HDE instrument case with a convenient lid insert.

**ProMal18:** short curved Flexxi-Disc w. diamond disc (F8T), short straight Polyfloat (FPV2) w. medium apple core burr, mandibular hand piece (F2), angle hand piece (F3), extension, 48” flexible shaft, Suhner motor 120v, belt, GFCI, HDE case with lid insert, incisor speculum.

**FRA_LCV3:** clutch accessory

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**HDE - ProMal19**

**All the practicality of the ProMal17**

Added versatility of a cordless motor

The ProMal19 dentistry set includes three essential advanced hand pieces: the Flexxi-Disc, Polyfloat, and angle drill. The addition of a cordless motor increases mobility and reduces the risk of electrical shock and tripping. This powerful motor and battery pack are worn comfortably on a hip belt and are connected to hand pieces via a reinforced flexible drive shaft. The cable is protected by an electronic clutch and does not require shear pins. This system is lightweight, quiet, and mobile making it perfect for any environment. Establish a foundation with the ProMal19 set and build your advanced dental practice as you add pieces for more detailed profiling.

**ProMal19:** Long curved Flexxidisc (GF8T), long straight Polyfloat (GFPV2) w. medium apple core burr, angle drill (F3), 36” flexible shaft, EVOLUTION motor w. belt, control unit, 36v Li-Ion battery pack, charger, EVOLUTION carrying case, incisor speculum

**ACC_FR (FL):** holster accessory (Right or Left handed user)

**ACC_CB:** car charger for battery

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**HDE - ProMal20**

**Precise and specific instruments for the most detailed profiling**

Added versatility of a cordless motor

The ProMal20 dentistry set includes a selection of precise instruments to achieve the highest level of detail in tooth profiling. The addition of a powerful cordless motor and battery pack, worn comfortably on a hip belt, take this set to the next level in versatility and safety. The 36” flexible drive shaft is protected by an electronic clutch and does not require shear pins. These hand pieces are designed for work on the upper and lower arcades, canines, and incisors and are used with the extension to access caudal areas. Keep all your tools safe and organized in the heavy-duty HDE instrument case.

**ProMal20:** short curved Flexxi-Disc (F8T), short straight Polyfloat (FPV2) w. medium apple core burr, mandibular hand piece (F2), angle hand piece (F3), extension, 36” flexible shaft, EVOLUTION motor w. belt, control unit, 36v Li-Ion battery, charger, belt, HDE case with lid insert, incisor speculum.

**ACC_FR (FL):** holster accessory (Right or Left handed user)

**ACC_CB:** car charger for battery

Additional HDE hand pieces and Polyfloat burrs are available - as well as a wide range of dentistry accessories
HDE DETAIL

Maxillary Drill (F1): This conically shaped hand piece is perfect for work on the upper molar arcades. The soft tissue guards around the burr ensure comfort for the patient and safety for the practitioner. Typically used with the extension.

Mandibular Drill (F2): This hand piece is designed for caudal and rostral reductions on the lower molar arcades. The guards not only prevent soft tissue damage but also stabilize the instrument. Typically used with the extension.

Angled Drill (F3): This multi-function hand piece is used mainly for reducing canines and incisors but can also be used to install bit seats.

Bit Seat Drill (F6C): This multi-function hand piece is used mainly for installing bit seats, but it is equally great to work on incisors or canine teeth.

Bowl Drill (F4): The spherical burr on this hand piece is designed to install and finish bit seats and for work on canines.

Disc Drill (F5): The flat diamond wheel can be used to cut, as in large incisor reductions, or to grind, as in accurate realignments. This drill is efficient without increasing the risk of pulp exposure.

Vestibular Drill (F6): Considered a universal hand piece, its reduced guards and cylindrical burr facilitate the correction of large overgrowths and excessive transverse ridges. Typically used with the extension.

Curved Flexxi-Disc (F8T): The Flexxi-Disc hand pieces have a soft tissue-friendly head that can be rotated in 90° increments. The low profile works well in tight spaces and the curved shaft can reach any area. Grinding discs on these robust hand pieces last an average of 200-300 horses. It is typically used with the extension. A straight shaft model (F7) also available.

Long curved Flexxi-Disc (GF8T): This hand piece has the same function as the short F8T, but does not require the use of the extension, making it easier to change during floating. It is typically stored in the long case.

Polyfloat (FPV2): The polyfloat is a center piece for motorized dentistry. Typically used with an apple core burr, it is ideal for floating sharp enamel points on upper or lower arcades. It is also a great instrument to work on bit seats, canine teeth, and in some cases, it may be the only instrument capable of reducing long caudal hooks. In addition to the apple core burrs (small, medium, large), the polyfloat can be used with a variety of different grinding burrs: ball, half ball, long cylindrical (universal and special diastema burr), short cylindrical, and a long and short conical - to treat a number of advanced dentistry lesions. Typically used with the extension.

Long Polyfloat (GFPV2): same as the short polyfloat, but long enough to be used without the extension. Typically stored in the long case, but fits in the short case as well.

Extension: The extension is attached to some hand pieces (F1, F2, F6, F7, F8, FPV2) to make it long enough to work on the caudal area of the mouth.

Many of these hand pieces have an overlapping range of indication; and it is not necessary to acquire all of them to be able to treat every possible pathology or to perform routine and preventative procedures. Rather it is a personal preference to choose the right hand piece for each individual user.

Flexible shaft (Flex48/36E): One of the great advantages of the HDE system is the light weight and minimal noise production, which is only possible because the motor is not directly connected to the grinding pieces. The flexible shaft with a reinforced driving cable is the connecting piece between the motor and the hand pieces.

The cable is protected with shear pins (SP, see arrow), which need replacement after they fail. A clutch is optional for convenience. The shear pins are not needed for the cordless evolution motor which has an electronic clutch (double arrow). The flexible shaft is 48” long for the corded motor, and 36” for the cordless version.

Motor Suhner 120V (M1m): The powerful German-made Suhner motor has a manual variable speed trigger and the microchip control ensures stable speed regardless of the work load during floating. The motor is durable, noiseless, and the extra short cord can be conveniently disconnected from power when needed. A protective cover with belt is used to secure the motor on the user, on a head stand, or stall door depending on personal preference. An electronic foot pedal is available (Motor M1p).

Cordless motor EVOLUTION (MEvo): The addition of a cordless motor increases mobility and reduces the risk of electrical shock and tripping. In addition, it offers a convenient solution to perform dentistry work literally in the field.

The unit consists of a powerful motor (M), battery pack (B) and a control unit (C) to regulate the speed and it is worn comfortably on a hip belt. The motor connects to hand pieces via a reinforced flexible drive shaft. The cable is protected by an electronic clutch in the control unit and does not require shear pins. This system is lightweight, quiet, and mobile making it perfect for any environment. A pneumatic foot pedal is available (on/off).

For added convenience, the holster accessory secures the grinding hand piece while moving around. This accessory is available for right handed or left handed users (ACC-FR/FL).

The battery pack is charged with a 120V charger or with an optional cigarette plug charger for the car. The motor can also connect to Foredom brand grinding hand pieces using a Foredom drive shaft. Please call us for details.

Service: We are dedicated to providing the best service for all our instruments. Variation in use and work load makes it difficult to make an accurate service interval assessment for each HDE user, so we offer a free 6 month service on which we base our recommendations for service schedules. Service kits are also available to perform your own HDE maintenance.
Speculums

**STANDARD SPECULUM**

Affordable full mouth speculum for routine use.

Made of polished stainless steel with 5 large adjustment levels for routine use. The straps are made of Biothane, a dependable maintenance free leather imitation. Different incisor plates are available. The spreader bar can replace the nose strap to create a larger working space between the sides of the speculum and the cheek and can be used to suspend the horse’s head.

SPEC-STD: Standard full mouth speculum, stainless with Biothane straps. Choose plates separately.
SP-STDN: Standard plates normal width (1).
SP-CIRE: Circular plates, extended width (2)
SP-SB: spreader bar

**OPTIMUM SPECULUM**

Larger side piece for superior lateral access, easier to open, finer adjustment.

Made of polished stainless steel with 22 small adjustment levels for finer control. The straps are made of Biothane, a dependable maintenance free leather imitation. Different incisor plates are available. The spreader bar can replace the nose strap to create a larger working space between the sides of the speculum and the cheek and can be used to suspend the horse’s head.

SPEC-OPT: Optimum full mouth speculum, stainless with Biothane straps. Choose plates separately.
SP-STDN: Standard plates normal width (1).
SP-CIRE: Circular plates, extended width (2)
SP-SB: spreader bar

**VIENNA SPECULUM**

Effortless opening, highly safe to both user and horse.

Designed by European equine dentistry pioneers the Austrian Drs. H. Simhofer and J.P. Schramel. This German made full mouth speculum features the highest quality manufacturing with surgical grade stainless steel and leather straps. It is easy to open by turning the central handle piece and the large incisor plates ensure the safety of the patient and user. It comes with an attachment strap for suspending the horse’s head.

SPEC-VIN: Vienna type full mouth speculum, leather straps

**SWISSVET INCISOR SPECULUM**

Simple and easy to use. Least expensive

This straightforward speculum is great for routine incisor work. It is made of flexible PVC pipe with an adjustable length bungee cord. It is easy to use and is very comfortable for the horse.

SPEC-INC: Swissvet incisor speculum with adjustable strap

**SPECULUM ACCESSORIES**

Choose and add special features. For Standard and Optimum speculum only.

**Speculum Light:**
Magnetic LED light attaches to the speculum plates. Great for examination and client education.

**Speculum Plates:** two options: a standard plate (1) outlining the incisor alignment. With a caudal ridge securing the position of the speculum. Standard or wide option. Half circle shape (2): a larger contact area provides secure contact in older horses or for those with incisor overbite.

**Spreader bar:** keeps speculum sides away from cheek and is used to raise the head.

SP-STDN: Standard plates, normal width (1).
SP-CIRE: Circular plates, extended width (2)
SP-STRT: straight plates, for incisor work (3)
SP-SB: spreader bar; to suspend speculum and spreading the speculum sides away from cheek
EXAMINATION set

Essential instruments for periodontal work. Needed for proper examination of the equine teeth.

Painful periodontal disease are easily missed or underestimated without the proper instruments. This set includes a mirror, a periodontal probe (with two screw-on probes) and Gracey curettes (left and right) to clean periodontal spaces. A strong hook is essential to examine the tooth surface. Made of stainless steel.

**Exp-set:** mirror, explorer hook, periodontal probe (two tips), Gracey curette (L/R)

**Mir-N:** Dental mirror round w. stainless handle

LED mirror

Greatly facilitates the detailed examination of the dental arcades, interdental spaces.

A build in LED light with a AA battery provides excellent light to the mirror. Great for examination and client education. Made by Dr. Fritz in Germany for Swissvet.

**Mir-LED:** Dental mirror with built-in LED light, AA battery

DENTAL ENDOSCOPE Dr. Fritz Germany

Endoscopy offers impeccable results for dental examination. The digital LED endoscope made in Germany by Dr. Fritz is the #1 scope for equine dentists. Advantages of endoscopy include:

- wireless technique (still picture/video)
- Sturdy design with easy handling and quick cleaning
- Perfect for data recording, client information and student education

**Dental Endoscope Compact**
Rigid dental endoscope with integrated LED light,
Specs: 115°, 15mm, 52cm (20.5’’); video/USB out, power transformer (110-230VAC), software for PC, incl. connection cables and transportation case, incl 7” plug in monitor, compatible to analog monitors and/or computer or wireless module

**Dental Endoscope wireless**
Enjoy complete freedom during examination
Rigid dental endoscope with integrated LED light,
Specs: 115°, 15mm, 52cm (20.5’’); video/USB out, power transformer (110-230VAC), software for PC, incl. connection cables and transportation case compatible to analog monitors and/or computer with 7” plug in monitor and wireless module: battery, sender and USB receiver unit

**USB computer receiver** for wireless endoscopes, plugs into a computer to receive the wireless signal, w. driver software

**TW61-150B:** Dental Endoscope Compact,
**TW61-150S:** Dental Endoscope wireless
**TW61-419:** USB computer receiver for wireless endoscopes, w. driver software
HAND FLOATS

When working motorized instruments, the use of hand floats is reduced to a minimum. However, for some cases and some anatomical areas there is still a benefit from manual instruments. The caudal maxillary teeth on their vestibular aspect are sometimes difficult to reach and an angled caudal float can be helpful.

S-shaped float (1):
This German made stainless steel float is coated with carbide chips. The mid portion is flexible allowing adjustment and their ends are concave and convex respectively. This is a universal float.

Caudal float diamond coated (2):
Made in one piece this stainless steel float has a flat diamond coated blade. It is slightly bent to reach the vestibular area of maxillary cheek teeth.

Caudal float carbide chips (3):
The carbide chip coated blade is attached to a stainless steel handle with pistol grip. The blade is interchangeable and available in a straight, curved up (shown, for caudal work), or curved down version.

Other floats: Swissvet does not stock routine hand floats, but we can order any hand float for you. Please contact us for more details.

EXTRACTION sets

Wolf tooth extraction set Swissvet
Adequate elevation is essential for any tooth extraction. The Swissvet WT extraction set includes four elevators, each specially shaped for the four sides of a tooth. Two forceps get the job done.

Cap extractor set
Two cap extractors, in stainless steel, differently shaped to reach upper and lower deciduous cheek teeth.

Molar elevator:
set of two elevators, made in Germany stainless

Molar extractor set
This set includes five essential extraction forceps for intraoral cheek tooth extraction: three finger right and left (3R and 3L), four finger (4) an universal extractor (U) and a molar spreader (S) Stainless steel.

WT-set: two forceps, four elevators
CAP-set: two cap deciduous cheek tooth extractor forceps
MEX-set: molar extraction set of five instruments, three finger right and left, four fingers, universal, spreader
FUL: fulcrum, stainless steel, with two hard plastic blocs
MEL: Molar elevator set of two stainless steel elevators.
**ACCESSORIES**

**LIGHT**

A good light source is absolutely essential for an oral examination.

Speculum Light:
Magnetic LED light attaches to the speculum plates. Great for examination and client education.

3M goggle light:
Combines a LED light source with goggles. Convenient solution.

LED clip on light:
A small LED light is directly placed onto the shaft of HDE or Swissfloat instruments. Convenient to visualize the grinding area during visual dentistry.

Headlight:
A good head light is essential for dentistry. This model offers adjustable lense to change the focus of the light beam. The brightness is adjustable as well. Uses AAA batteries.

LED-SPEC: speculum LED light, magnetic attachment to speculum plates
GO-LI: 3M safety goggles lighted with 2 LED light on each side.
LED bug: attaches to the Swissfloat or HDE float shaft, includes 2 spare batteries.
HL-LED: Head lamp with adjustable focus and brightness. AAA batteries included.

**HOOFJACK HEADSTAND**

Affordable and safe, convenient to store, easy to clean.

With a round and stable plastic base this is a very affordable and safe solution to support the head of a horse during a dental procedure. It is easy to clean and easy to transport. The instrument rack is conveniently attached to the base and holds all the instruments needed for the dentistry work, and the motor is suspended at the cradle. Made in the USA.

HS-HJ: HoofJack headstand complete
SV-RK: Instrument rack Swissvet

**ESSENTIALS**

Flush syringe
Absolutely essential tool for dentistry. Every horse needs its mouth rinsed prior to an examination. Two options are available: a 400mL two-handed syringe or a one handed pistol handle syringe with 300mL content.

Cheek retractor
Helps to retract the cheek for examination and client education or photographic recording. Stainless steel, easy to use.

SY2-400: 450 ml type, two handed
SYP-300: pistol type, 300mL
CK-RT: cheek retractor, stainless steel.
Demo Instruments

Swissvet offers a wide range of instrument. While this ensures that everybody can get the perfect instrument for their specific needs—the selection might be difficult for a person new to equine dentistry. The best way to find out what will work best for you is a demo instrument.

Swissvet offers a demo program. Typically we consult with the potential buyer and send the chosen instrument for a two-week evaluation period with a return label. Please contact Swissvet directly for more information. There is a small fee associated with the demo program, and the fee is refundable in case of a purchase. All you have to pay for is shipping.

On site demonstrations, presentations, publications

Over ten years of practical experience refined Dr. Steiger's skills in equine dentistry. He has helped with the development of equine dentistry tools and he is teaching equine dentistry at universities and professional meetings. He enjoys teaching and is convinced that a proper introduction in equine dentistry helps providing a better service for the horses and increases professional satisfaction.

Please contact Swissvet if you are interested in a one to one instruction, an equine dentistry demonstration, if you need a speaker for an event, or a text written about equine dentistry.

Visit our website or follow us on face book to see what events are coming up. Swissvet organizes and sponsors equine dentistry wetlabs for beginners as well as advanced and more involved veterinarians. If you have any suggestion about a technique you would like to learn, or an instrument to use, please do not hesitate to contact us.

VIDEOS

Developed to allow licensed veterinarians and horse-owners to share a common knowledge of equine anatomy, equine dentistry and the life-long care of horses. Written by: BA Rucker, DVM, Directed by: Matt Rach

Introduction to Equine Dentistry
Stunning CG-animation combines with the world of equine dentistry to create Digital Equus, a 3D viewing experience unlike no other. From basic anatomy to the process of aging, Introduction to Equine Dentistry delivers incredible digital visuals and straight facts about the importance of equine teeth.

Incisor and Molar Malocclusions
Volume 1 in the Seminar for Veterinarians DVD Series where real-time, 3D animation delivers unprecedented detail of equine pathology and the latest techniques in veterinary medicine for correction of dental malocclusions. Written by BA Rucker, DVM and designed for equine practitioners and vet students, Incisor and Molar Malocclusions guides the viewer through detailed oral examinations, corrective dental procedures on all major malocclusions, and the latest techniques in floating and incisor/molar cap removal.

Floating Theory
Volume 2 in the Seminar for Veterinarians DVD Series builds upon the knowledge and concepts of Volume 1 by presenting an all-encompassing and intuitive floating manual for regular maintenance and advanced floating procedures. From “Sharp Enamel Points” to “Shear Mouth” to “Ventral Curvatures”, each procedure is presented in a comprehensive step-by-step process that includes measurement, floating limits, and each stage of