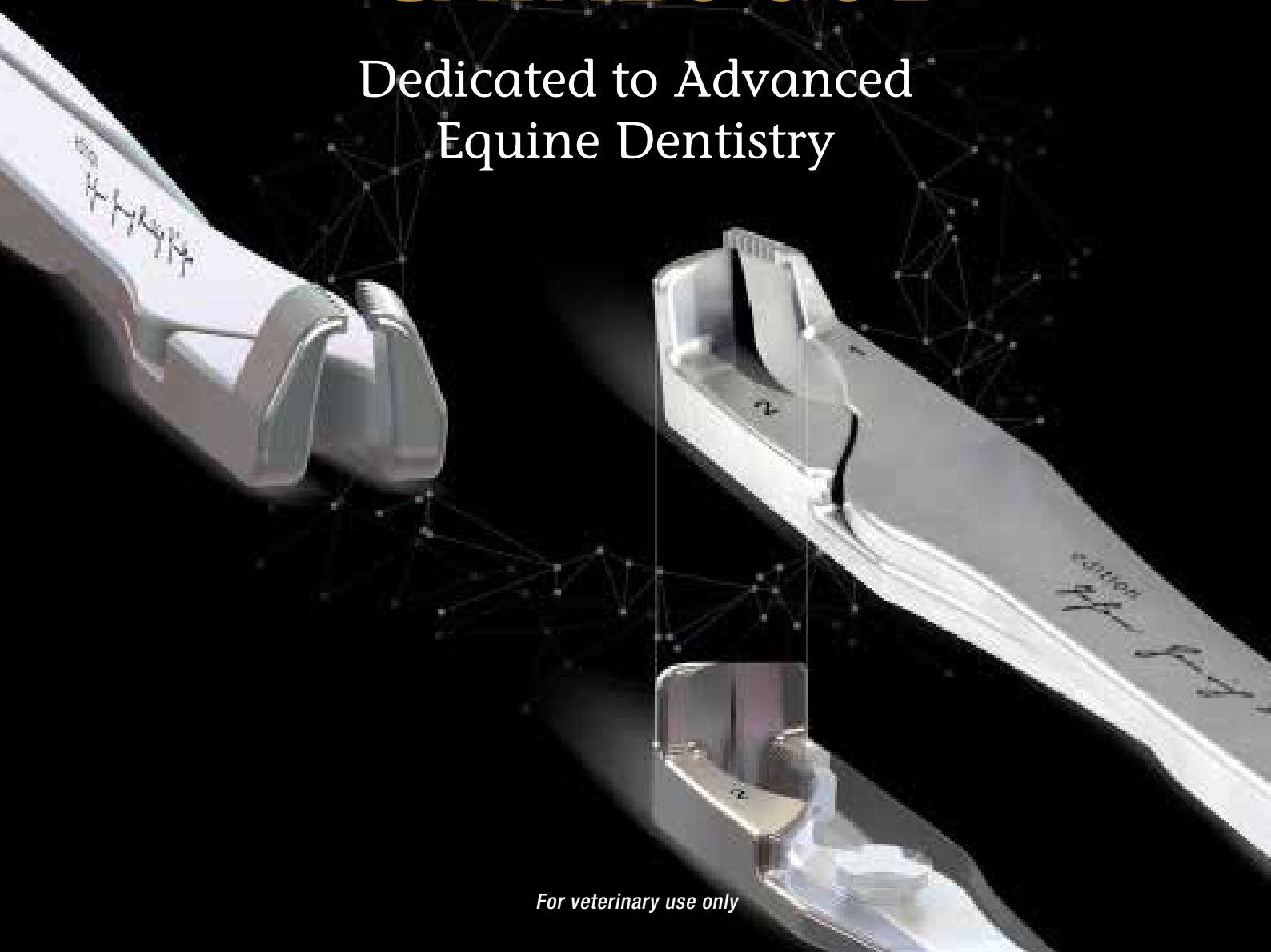
HORSE DENTAL
EQUIPMENT

Pegasos Edition

2026-2027 CATALOGUE

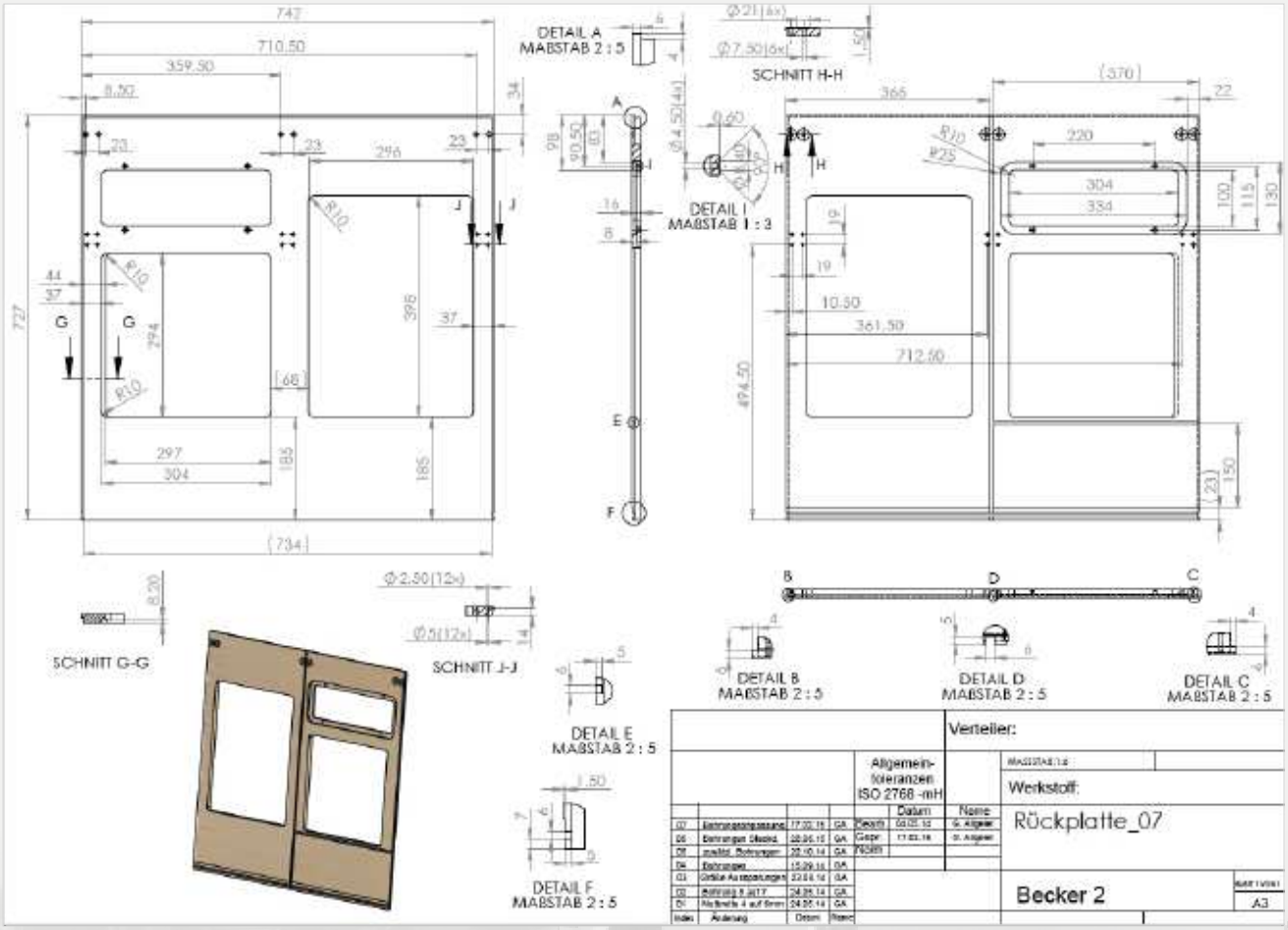
Dedicated to Advanced Equine Dentistry



For veterinary use only

GENERAL EQUIPMENT

HORSE DENTAL EQUIPMENT



DENTAL TROLLEY

Our treatment trolley was developed to place the expanding equipment for routine equine dentistry in a safe and tidy way.
It creates a workplace which is easy and fast to set up, take down and accommodate in the practice car.
Its versatile cube shape and mixture of materials (coated multiplex boards and aluminum drawers) make the trolley light and robust at the same time.
Its surfaces are durable and easy to clean. It fits through every door with standard widths. It is easy to manage and fits into most compact vans.

DENTAL HALTER

The separation of dental halter and mouth-opener reduces the pressure on the incisors during treatment.
Switching between working with mouth-opener and without becomes easy.
Futhermore, it provides a safe handling of challenging horses during injection.
The dental halter is covered with leather and has a soft and durable padding.

EQUODENT DENTAL BURR MODEL PETER FAHRENKRUG WITH WATERCOOLING FOR PONIES

Specially designed for ponies, thanks to its reduced size, this bullet nose head dental burr is extremely useful to perfom dental treatments in narrow heads and especially in the back of the mouth.

EQUODENT INCISOR HANDPIECE MODEL "PETER FAHRENKRUG" WITH WATERCOOLING

The Equodent Incisor Handpiece Model "Peter Fahrenkrug" is waterproof and runs smoothly. It can be operated with watercooling and dust suction.

EQUODENT DENTAL BURR WITH WATERCOOLING

This burr with IC 300-Nakanishi head was developed for the following applications:

- Diastema work
- Cheek tooth segmentation
- Tooth crown remodeling to improve the grip of the extraction forceps
- Pre-drilling during Minimally Invasive Transbuccal Extraction

The shaft bearing is greased which makes it "waterproof" and running quiet, without vibrations.

It has an external water supply enabling watercooling during drilling. This is necessary because the temperatures of the burrs (diamond or tungsten burr) can become high and can damage the tooth.

The Equodent 90° (PEGA_221002) is delivered with 2 diamond burrs, a grease tube and dismounting tools (special key and multifunctional spindle handle).

OPTIONS

- Two differents heads are available with 90° or 50° angle.

The handpiece comes with the 10 mm water clip.

- 20 mm water clip is developed for the 51 mm and 64 mm Carbide Burrs
- 35 mm water clip is developed for the 64 mm and 77 mm Carbide Burrs

The handpiece comes with 2 water clips.

- 15 mm water clip
- 35 mm water clip

- Torque wrench for 35/55 mm

CARBIDE BURRS

The diamond coated diastema burr with a diameter of 3,175 mm / 0.12 inches was developed for diastema work. It fits IC-300 Nakanishi head.

For segmentation we offer carbide burrs in 4 different lengths.

For a clear storage, one can use our autoclavable storage block.

Art.-No. #	Description
PEGA_313000	Treatment Trolley
PEGA_311105	Dental Halter
PEGA_211122	Equodent Dental Burr Model Peter Fahrenkrug for ponies - Watercooling, HDE connection
PEGA_211222	Equodent Incirosr Handpiece Model “Peter Fahrenkrug” - Watercooling
PEGA_221001	Equodent Angled Handpiece Model Michael Nowak with 90° head - Watercooling, key drive
PEGA_221002	Equodent Angled Handpiece Model Michael Nowak with 90° head - Watercooling, HDE connection
PEGA_221002_V2	Equodent Angled Handpiece Model Michael Nowak with 50° head - Watercooling, HDE connection
PEGA_WB	Waterbottle and connection
PEGA_220010	Diamond coated burr Bit (3,175 mm / 38 mm)
PEGA_220020	Carbide burr (3,175 mm / 38 mm)
PEGA_220021	Carbide burr (3,175 mm / 51 mm)
PEGA_220022	Carbide burr (3,175 mm / 64 mm)
PEGA_220023	Carbide burr (3,175 mm / 77 mm)
PEGA_220000	Autoclavable storage block for burr bits (3,175 mm)
RAN_MTS	Black Trolley case for Sectioning Set
PEGA_220060	Torque Wrench for 35/55 mm

SECTIONING SET

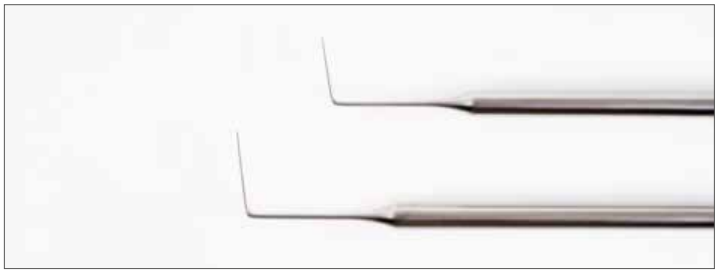
This is a co-branded HDE & Pegasos package to offer the best sectioning set available on the market.

It contains a Pegasos Equodent with its 4 tungsten burrs and 2 diamond burrs.

To complete your ideal set you can choose between HDE N1 and Evolution motors with their associated drive shaft, foot pedal and instrument case.

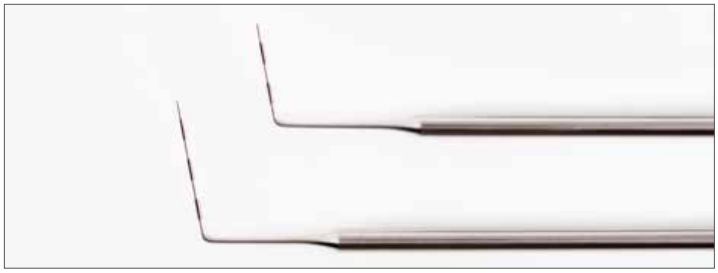
	SECTIONING SET N1	SECTIONING SET EVOLUTION
Equodent with 4 tungsten and 2 diamond burrs		
Engine	N1 motor + 5.5 L water tank + supply line	Evolution motor with integrated Watercooling
Drive shaft (minimum 1.20 m)	Drive shaft for N1 motor	Drive shaft for Evolution motor
Foot pedal control		
Instrument case RAN_MTS		

DENTAL PROBES SHARP



The Sharp dental probes were developed for exploring teeth and cleaning interdental spaces.
It is available in 3 versions:
-Fine (15 mm / 0.59 inches)
-Strong (20 mm / 0.8 inches)
-Long (30 mm / 1.18 inches)

DENTAL PROBES BLUNT



The blunt probes are designed for exploring fistula canals and measuring the depth of gingival pockets and infundibular caries.
2 models are available in different lengths:
- 25 mm / 0.98 inches
- 35 mm / 1.38 inches.

DENTAL X-RAY BLOCK

This block is a simple tool to open the mouth in 3 different angles for mouth radiographs. It is well tolerated in sligthly sedated horses.

Art.-No. #	Description
PEGA_311001	Dental Probe Sharp (20 mm)
PEGA_311003	Dental Probe Sharp (15 mm)
PEGA_311005b	Dental Probe Sharp (30 mm)
PEGA_311006	Dental Probe Blunt (25 mm)
PEGA_311007	Dental Probe Blunt (35 mm)
PEGA_311008	X Ray Block

INSTRUMENTS FOR DENTAL EXTRACTIONS

HORSE DENTAL EQUIPMENT

THE EXTRACTION SYSTEM FROM PEGASOS4D MODEL: HAUPTNER

Edition: Johann Heinrich Friedrich Günther

Die

Beurtheilungslehre des Pferdes.

Nebst einem Anhange

über die Lehre von den gesunden und kranken Zähnen.

Von

Friedr. Günther,

und

Karl Günther,

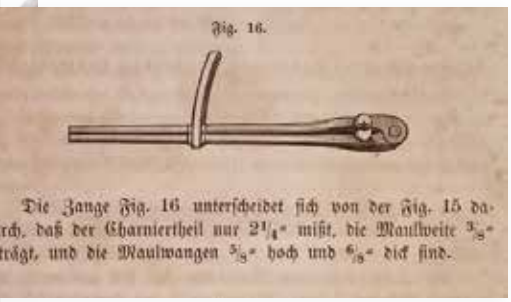


Fig. 16.

Die Zange Fig. 16 unterscheidet sich von der Fig. 15 dadurch, daß der Charniertheil nur 2¼" mißt, die Maulweite ⅜" beträgt, und die Maulwangen ⅜" hoch und ⅛" dick sind.

Comments on Model and Edition

Model Hauptner: The development and construction of these instruments was supported by the company Hauptner. Hauptner has more than 150 years experience on making instruments and produced in the past some of the best forceps available at that time.

Edition: Johann Heinrich Friedrich Günther

Who was J. H. Friedrich Günther and what influence did he have to the method of oral extraction of teeth?

He was born in 1794 in Germany. He got educated in Jena, Berlin and Hanover. After he had finished ”Royal Equine Vetschool” Hanover in 1818 he started to work as a veterinary surgeon. Only one year later he was called by the school to become a teacher. Apart from his work at the vetschool he ran a private clinic where he tought the older students the practical part. Additionally he was an inspector at the Marstall and gave lessons at the military academy. Since 1840 he did research as well.
In 1847 he became the director of the Hanovarian vetschool. He strongly increased the level of education of veterinary surgeons during that time.

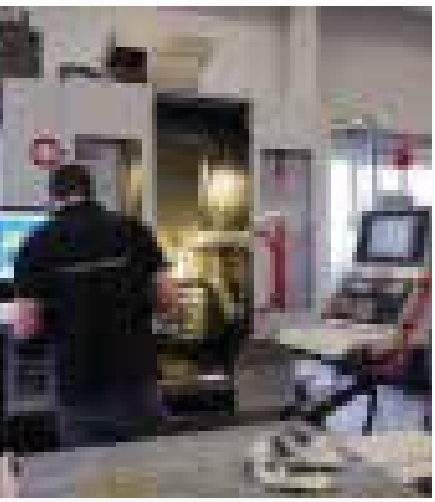
Alongside teaching he did a tremendous high quality work concer ning the development and construction of surgical instruments.
Furthermore, he gathered a comprehensive collection of diseased teeth. He is, indeed, considered as a founder of the equine dental surgery. Together with his son he wrote a booklet about horses’ teeth which was published in 1859, one year after he had died.

Even 50 years after his death his extraction forceps were widely used and highly valued. He was doing oral extraction of equine teeth at a high level. Unfortunately this knowledge got lost over the following century. His early work is only little known and it is a mission to make it accessible again to veterinarians. His early literature of 1859 is highly recommended because it is still up to date in many respects. In order to support the rediscovery of his work we named this forceps and spreader line after him: Edition ”Günther”.

The Spreader and Forceps System was developed to improve oral extraction techniques in equine dentistry.

Great efforts have been invested to design the instruments as ergonomic and efficient as possible. The different sizes of spreader blades enable a standardized stepwise working process. Thereby, the duration and success rate of the extractions are influenced very positively.

The extreme precision of the joint creates the possibility to disassemble and reassemble the single halves of the instruments.
It enables a variety of combinations that has not been available yet, like the combination of spreader and forceps within one instrument.
It is most helpful in cases of slab fractures and very tight interdental spaces especially in the lower jaw. It also enables a thorough cleaning of all parts.



Manufacturing

- Instruments are made of heat-treated surgical stainless steel.
- The body is milled out of one piece on a 5-axis-CNC-milling centre.
- The spreader inserts are laser-welded and labeling is done with a laser marking system.
- The construction was tested with FEM-analysis and does still have, at a 80 kg handle pressure, a safety factor of 3.
- Made in Germany*.
- 5-year warranty.

General notes on maintenance

The possibility to disassemble the instruments enables easy and thorough cleaning. This should be done after each use. From time to time the fulcrum pin should be treated with surgical instrument silicone spray.

All instruments are fully autoclavable and chemically disinfectable.

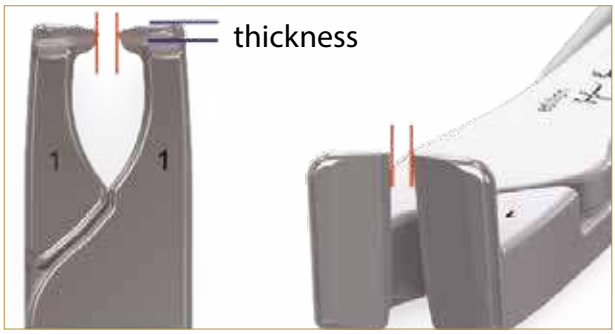
MOLAR SPREADERS

Molar spreaders are used to loosen the periodontal ligament and hence the tooth, through applying it to the interdental space.

There are three different spreader sizes. They allow a standardized stepwise working process. This enables a very careful and crown-saving work. It significantly improves the success rate of oral extractions.

Art.-No. #	Description
PEGA_320001	Molar Spreaders No. 1 – thickness 4 mm
PEGA_320002	Molar Spreaders No. 2 – thickness 5 mm
PEGA_320003	Molar Spreaders No. 3 – thickness 6 mm

Differences between No. 1 – 3



Molar Spreader No.1, the thinnest one with a 4 mm (0.16 inches) thickness (blue), does additionally have a cleft (red) between the jaws. Therefore, the handles don't need to open that far. This enables a more ergonomic first spreading step. One can apply a much more controlled force. This is especially helpful in case of fragile teeth.

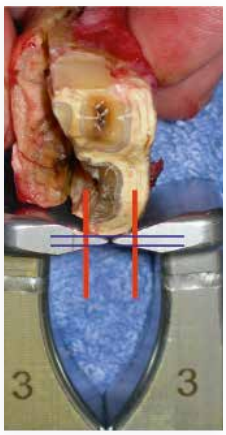
The varying jaw thickness enables different spreading effects.

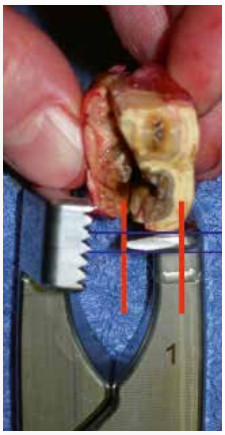
Spreader No. 1 – Narrow – the 4 mm (0.16 inches) thickness works much finer than No. 2 – Medium. No. 1 is mainly used as the first step spreader for the maxillary cheek teeth because they are wider than mandibular cheek teeth.

Spreader No. 2 – Medium – the 5 mm (0.19 inches) thickness works for the upper jaw as a second step and for mandibular cheek teeth as a first step.

Spreader No. 3 – Wide – the 6 mm (0.24 inches) thickness is used only partially (1/3-2/3) for the maxillary cheek teeth and up to full effect for mandibular cheek teeth.
It is recommended to use the forceps to loosen the tooth with rotational movements between the spreading steps, otherwise the risk of breaking the tooth/roots will increase.

Interchangeability





Additionally, the application of spreaders in combination with forceps is possible thanks to its interchangeability. This is especially helpful in cases where the interdental space is not wide enough to use conventional spreaders. This is the case in slab fractures and for the lower jaw.
Cavity: one has to be careful on side of the forceps part otherwise breakage of the tooth can occur.

EXTRACTION FORCEPS

Extraction forceps are used to further loosen teeth with rotational and tilting movements and finally to extract the teeth in combination with a fulcrum.

The Extraction Forceps No. 1 is particularly helpful for mandibular cheek teeth extractions but can also be used for the upper jaw.

The Extraction Forceps No. 2 is specifically designed for the wider maxillary cheek teeth.

The Extraction Forceps can be disassembled and reassembled again in many different ways like the spreaders.

For horses with small heads we developed the ”Pony Model”. The actual version is dedicated to Professor Padraic Dixon from the University of Edinburgh who, at the end of the 20th century, made great efforts to re-introduce oral extraction techniques.

REPLACEABLE HEAD FRAGMENT FORCEPS (WITH 3 INSERTS)

This forceps enables to extract fragments in different depths of the tooth socket.
The basic body is delivered with 3 inserts in 20, 40 and 60 mm length.
Both basic bodies can be disassembled and combined with each other.
All inserts fit in both basic bodies.

PONY - REPLACEABLE HEAD EXTRACTION SYSTEM COMPLETE WITH 3 SPREADERS AND FORCEPS

This system was developed to allow tooth extractions in case of small heads and narrow conditions in the mouth.
The basic body is delivered with 3 different spreader inserts and one forceps insert.
Both basic bodies can be disassembled and combined with each other.
All inserts fit in both basic bodies.

LOCK SCREW

This lock screw enables the safe fixation of the forceps and efficient power transmission during the loosening and extraction process.
The lock screw is available only for Pegasos forceps equipped with holes at each end of the handle.

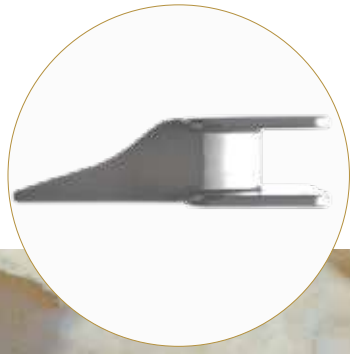
Art.-No. #	Description
PEGA_321080	Replaceable Head Fragment Forceps (with inserts), Screwdriver T8
PEGA_321060	Pony - Replaceable Head Extraction System Complete with 3 Speaders and Forceps, Screwdriver T8
PEGA_321011	Lock Screw
PEGA_CPSF	Clamp for Molar Forceps

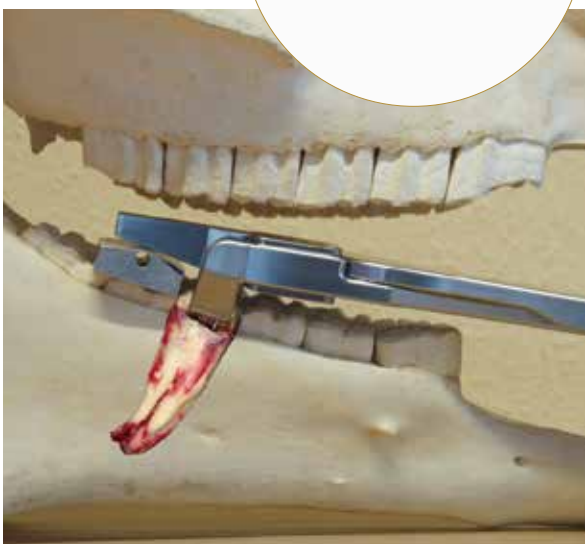
FULCRUM SET (GRIP, 6 HEADS)

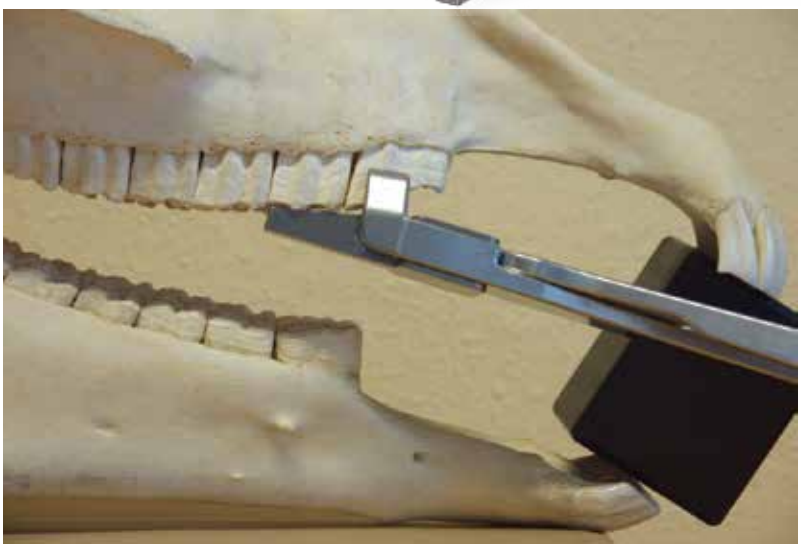
Make your molar extractions easier with the Fulcrum Set thanks to its leverage effect. 6 heads with different heights are included in the set (8 mm, 11 mm, 14 mm, 16 mm, 20 mm, 25 mm).

REVERSE FULCRUM

Thanks to this new Reverse Fulcrum Extension there is no extra Reverse Fulcrum Forceps needed. This system works both for lower and upper cheek teeth. It is especially recommended for 06 and 07‘s. It can be a quite helpful approach for lower 09 and 10 as well due to the curved nature of these teeth.







Art.-No. #	Description
PEGA_321020	Molar Forceps – Pony
PEGA_321001	Molar Forceps No. 1 – large
PEGA_321002	Molar Forceps No. 2 – large (maxillary)
PEGA_321010	Reverse Fulcrum
PEGA_321030	Fulcrum Set (grip, 6 heads)

KIT FOR MINIMALLY INVASIVE TRANSBUCCAL EXTRACTION (MTE)

The MTE technique is indicated in the following cases:

- Force applicable to the crown is insufficient
- Crown is broken off or too fragile
- Malformation of the crown
- Removal of root fragments

To use the MTE Kit, it is necessary to attend a workshop where this technique is taught in-depth.

The canvas situated in the box serves as a filter and does provide hygienic closure of the box. It should be regularly controlled that it is not dirty and changed latest after 1000 sterilization processes.

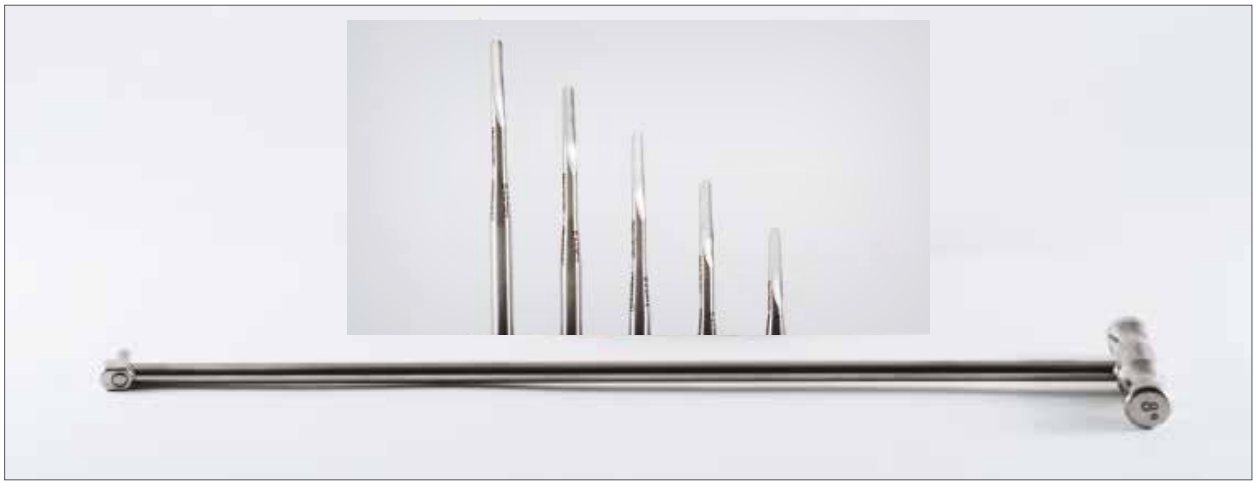
Art.-No. #	No.	Description
PEGA_322000		MTE Kit
PEGA_UM301040	1	Long sharp trocar
PEGA_UM301041	2	Long blunt trocar
PEGA_UM301015	3	Long trocar sleeve
PEGA_UM301038	4	Short sharp trocar
PEGA_UM301039	5	Short blunt trocar
PEGA_UM301014	6	Short trocar sleeve
PEGA_UM301100	7	Dental chisel - plain
PEGA_UM301102	8	Dental chisel - offset

Art.-No. #	No.	Description
PEGA_312001	9	Short handle
PEGA_UM312010	10	Luxator
PEGA_UM312012	11	Loop
PEGA_UM312011	12	Sharp spoon
PEGA_UM301051	13	Drilling sleeve
PEGA_UM301042	14	Drill
PEGA_UM301044	15	Threading tap
PEGA_UM301045	16	Extraction screw
PEGA_UM301090	17	Hammer
PEGA_UM301130	18	Root fragment forceps (very fragile)
PEGA_UM301140	19	Autoclavable container

DENTAL PICKS

DENTAL PICK SET - BASIC

This set contains an 8° handle, a set of 5 mm / 0.19 inches luxators in different lengths and a non-autoclavable screwdriver. It can be used to loosen gingiva, to remove tooth fragments or remaining roots. The luxators have a fine and sharp tip and can be applied in any turning direction.
The short and blunt insert is intended to fix the screw during transport.



Art.-No. #	Description
PEGA_310100	Dental Pick Set - Basic T-Handle - 8°, Wide Luxator Set, 5 mm (0.19 inches), Black screwdriver (non-autoclavable) T10
PEGA_310101	T-Handle - 0° - without screwdriver
PEGA_310102	T-Handle - 8° - without screwdriver
PEGA_310103	T-Handle - 18° - without screwdriver
PEGA_310104	T-Handle - 30° - without screwdriver
PEGA_310000	Wide Luxator Set - 5 mm (0.19 inches), 5 different lengths
PEGA_310010	Narrow Luxator Set - 4 mm (0.16 inches), 5 different lengths
PEGA_310020	Chisel Set - 4 mm (0.16 inches), 4 different lengths
PEGA_310030	Probe Set, 5 different lengths
PEGA_310040	Sharp Spoon Set, 4 different lengths
PEGA_310106	Storage block, autoclavable (metal)
PEGA_BSD	Black Torx-Screwdriver (stainless steel, non autoclavable)

DENTAL PICK SYSTEM: 4 DIFFERENT HANDLES

Dental picks are intended for intraoral use.
There are 4 different handles, corresponding to 4 different angles:

The 0° Handle can be helpful for the mandibular jaw.

The 8° Handle is the most often used one (up to 80% of the cases can be solved with it). Inserts can be used in a backward direction as well (helpful for lower premolars).

The 18° and 30° Handles are used for the more caudal teeth.

INSERTS

Additionally, there are different types of inserts available. They can all be used with the short straight handle as well to have even more versatile applications.

Narrow Luxator Set – 4 mm / 0.16 inches (5 lengths)
The narrow luxators are used for extra small fragments.

Chisel Set (4 lengths)
The chisels are used to get into the interdental space to loosen or remove tooth fragments.

Probe Set (5 lengths)
These probes are particularly useful for exploring deep fistula canals and other dental an d periodontal pockets.

Sharp Spoon Set (4 lengths)
These curettes are useful for cleaning the tooth socket and removing deep root fragments.

SHORT HANDLE EXTRACTION KIT

This kit consisting of a short handle with different luxators is very useful for the extraction of wolf teeth, incisors, canines and deeply located root fragments.

It contains straight, concave and convex curved luxators in a 4 and 5 mm / 0.16 and 0.19 inches version.

Particularly the concave curved tips allow a very good access to the palatal side of the wolf tooth and enable a careful extraction with minimal damage.

The short handle is designed to allow the gentle usage of a hammer as well. Furthermore, this short handle can be combined with all different inserts from the Dental Pick System.

Shapes

straight | concave | convex

Widths

narrow 4 mm - 0.16 inches | wide 5 mm - 0.19 inches

LUXATOR 7 MM FOR INCISOR EXTRACTION

This luxator with robust handle is made for extraction of incisors. It can be autoclaved or chemically disinfected.

Art.-No. #	Description
PEGA_312001	Handle (short, straight)

PEGA_312004	Luxator Insert 150/4 straight
PEGA_312002	Luxator Insert 150/5 straight
PEGA_312005	Luxator Insert 150/4 concave
PEGA_312003	Luxator Insert 150/5 concave
PEGA_312006	Luxator Insert 150/4 convex
PEGA_312007	Luxator Insert 150/5 convex

PEGA_312040	Wolf Tooth Extraction Kit with screwdriver Contains a short handle and 4 luxators (straight and concave curved inserts in 4 and 5 mm width)
PEGA_312041	Extraction Kit with short Handle and 6 Luxators with screwdriver Contains a short handle and 6 luxators (straight, concave and convex curved inserts in 4 and 5 mm width)
PEGA_RSD	Red Imbus Screwdriver (non autoclavable)
PEGA_312020	Luxator 7 mm for Incisor Extraction

SPECIAL NOTE

Veterinary techniques develop continuously.

Therefore all comments in this catalogue can reflect only the current knowledge.

The users of our instruments are asked to update their knowledge accordingly. Please contact us in case of any queries.

HEADQUARTERS

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