KIT 1592
VETERINARY BASIC EXTRACTION DOG FG

The ultimate range of instruments for veterinary dentistry



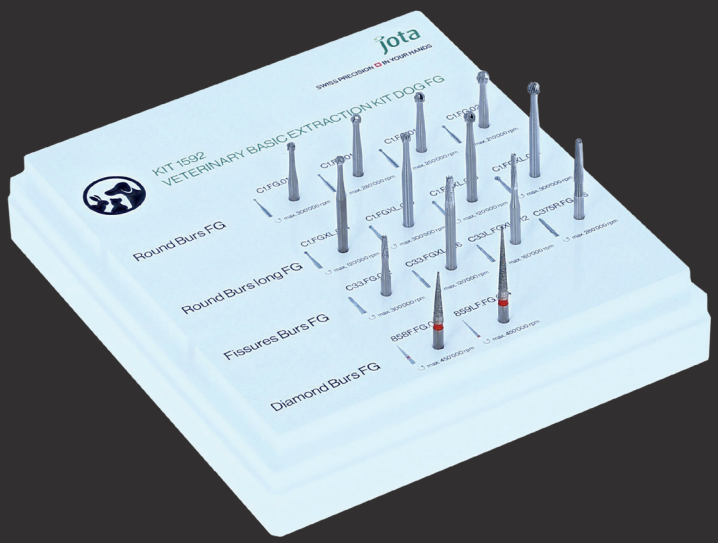


CHALLENGES

IN VETERINARY DENTISTRY (DOG)

THE ANATOMY OF CANINE PATIENTS REQUIRES SPECIALIZED SOLUTIONS:

- **The problem of depth:**
  Large breed dogs have long tooth roots. Conventional burs are often too short. The handpiece collides with the tooth crown and gingiva, posing a risk of collateral injuries to soft tissues.
- **The size of the crowns:**
  The big premolar and molar teeth have massive crowns. The working ends of standard drills are not long enough. During sectioning they generate dangerous heat and may stuck or break off. Long cutting heads and additional cross cuts avoid those complications and speed up the procedure.



OUR SOLUTION: KIT 1592 VETERINARY BASIC EXTRACTION DOG FG

The **JOTA Kit 1592 Veterinary Basic Extraction Dog FG** combines uncompromising Swiss precision with the anatomical requirements of modern veterinary dentistry, the kit provides a comprehensive solution for everyday clinical dentistry in both small and large dogs.

The carefully curated selection of premium tungsten carbide and diamond rotary instruments has been specifically designed for veterinary applications. Each instrument has been chosen to deliver reliable performance across a broad range of surgical and restorative procedures, ensuring precision and efficiency in daily clinical practice.

Anatomy allows no compromises. Unlike conventional instruments developed for human dentistry, the Veterinary Basic Extraction Kit 1592 Dog FG has been engineered specifically for the oral anatomy of canine patients.

Optimized instrument geometries and extended working lengths provide excellent access to deep anatomical structures while minimizing contact between the handpiece and delicate oral soft tissues, reducing the risk of iatrogenic injury.

Manufactured from high-quality materials, the rotary instruments are designed to withstand the exceptional thickness of carnivore tooth crowns. Their optimized cutting performance minimizes vibration and heat generation, improving cutting efficiency while reducing stress on both the instrument and surrounding.

SWISS PRECISION

FOR VETERINARY MEDICINE (DOG)

ANATOMICAL REQUIREMENTS & INSTRUMENT SELECTION:

1. Minimally Invasive Procedures in SMALL DOGS
The confined oral cavity and the fragility of the jawbone require high-precision, delicate instruments.

- **Bone Removal:**
  The carbide round bur (C1.FG) with enhanced fluting allows for minimally invasive removal of thin alveolar bone in the tightest of spaces.
- **Tooth sectioning**
  The conical carbide milling cutter (C33.FG) guarantees precise sectioning of multi-rooted teeth in single root fragments and enable access to the periodontal space in alignment to each tooth root.
- **Final preparation:**
  In cases of fractured tooth roots during extraction, the fine diamond bur (858F.FG, 859LF.FG) can be used for cautious bone removal in weak cortical bone and tight periodontal space. It can further be used to smoothen sharp alveolar edges before wound closure.

2. Deep Structures and Cortical Bone in LARGE DOGS
Large breeds present massive tooth crowns and long roots that push standard instruments to their limits.

- **Leverage Forces & Fracture Resistance:**
  Deep interventions generate strong leverage forces. The carbide round burs with XL shank (C1.FGXL) offer maximum resistance to fracture.
- **Substantial Removal:**
  To access deep structures, efficient removal of the thick cortical alveolar bone wall (buccal tabula) using the XL rose-shaped burs is essential.
- **Tooth sectioning:**
  The (859LF.FG) with long working end and cross-cut provides an effective, time-saving division of multirooted teeth.
- **Root Fragment Retrieval:**
  Remaining fragments in the jaw often lead to chronic inflammation and patient discomfort. The diamond cylindrical (C33L.FGXL) enables safe, deep exposure and removal of embedded tooth fragments and helps to avoid penetration to the nasal cavity or the mandibular canal.

CONCLUSION

STRICTLY DIFFERENTIATES BETWEEN PATIENT SIZE & ANATOMY

The **JOTA KIT 1592 VETERINARY BASIC EXTRACTION DOG FG** strictly differentiates between patient size and anatomy. It provides veterinarians with the necessary stability and precision to perform procedures on both small and large dogs more safely and predictably.

4 STEP SYSTEM

1. ***ALVEOLAR BONE REMOVAL (OSTEOTOMY)***
2. ***TOOTH SEPARATION (MULTIROOTED TEETH)***
3. ***EMERGENCY ACCESS ROOT FRAGMENTS***
4. ***SUBGINGIVAL CLEANING & FINISHING***



1 ALVEOLAR BONE RESECTION (OSTEOTOMY)

CARBIDE ROUND BURS | SMALL DOGS

Instruments: Size selection depending on the patient's anatomy

CARBIDE INSTRUMENT TO EXPOSE THE TOOTH ROOTS AND REMOVE THE LATERAL ALVEOLAR BONE

Small dogs (FG 19 mm): C1.FG.014 / 016 / 018 / 021, (Carbide round burs, with enhanced fluting)

C1.FG.014
Carbide round bur,
with enhanced fluting
↻max. 300'000 rpm



C1.FG.016
Carbide round bur,
with enhanced fluting
↻max. 280'000 rpm



C1.FG.018
Carbide round bur,
with enhanced fluting
↻max. 250'000 rpm



C1.FG.021
Carbide round bur,
with enhanced fluting
↻max. 210'000 rpm



Application:
Removal of the buccal alveolar bone using the appropriate round bur.



1 ALVEOLAR BONE RESECTION (OSTEOTOMY)

CARBIDE INSTRUMENTS | MEDIUM/LARGE DOGS

Instruments: Size selection depending on the patient's anatomy

CARBIDE INSTRUMENT TO EXPOSE THE TOOTH ROOTS AND REMOVE THE LATERAL ALVEOLAR BONE

Medium and large dogs (FGXL 25 mm): C1.FGXL.014 / 016 / 018 / 021, (Carbide round burs, XL shank)

C1.FGXL.014
Carbide round bur,
with enhanced fluting
↻max. 120'000 rpm



C1.FGXL.016
Carbide round bur,
with enhanced fluting
↻max. 300'000 rpm



C1.FGXL.018
Carbide round bur bit,
with enhanced fluting
↻max. 120'000 rpm



C1.FGXL.021
Carbide round bur,
with enhanced fluting
↻max. 300'000 rpm



Application:
Removal of the buccal bone plate using the appropriate round bur. For large dogs, it is essential to use the FGXL extended length to get access to long tooth roots and prevent soft tissue injury caused by the handpiece head.



2 ROOT DIVISION (ODONTOTOMY)

CARBIDE FISSURE BURS

Instruments: Size selection depending on the patient's anatomy

CARBIDE INSTRUMENT TO COMPLETE SEPARATION OF MULTI-ROOTED TEETH TO ENABLE FRACTURE-FREE EXTRACTION OF THE INDIVIDUAL ROOTS

- **Small dogs (FG 19 mm):** C33FG.016 (Carbide milling cutter, conical)

C33.FG.012
Carbide milling cutter, conical
↻max. 300'000 rpm



C375R.FG.016
Carbide milling cutter, conical domed end
↻max. 280'000 rpm



- **Small dogs (FGXL 25 mm):** C33L.FGXL 010 / 012 (Carbide milling cutter, conical, XL shank)

C33.FGXL.006
Carbide milling cutter, conical, XL shank
↻max. 120'000 rpm



C33L.FGXL.012
Carbide milling cutter, conical, XL shank
↻max. 160'000 rpm



Application:
Position the fissure bur at the furcation. Cleanly section the crown through to the interradicular space. The extra-long working part of the C33L models prevents the bur from jamming in large crowns.



3 EMERGENCY ACCESS (OPTIONAL)
DIAMOND INSTRUMENTS

DIAMOND INSTRUMENT TO GET ACCESS TO DEEP OR FRACTURED TOOTH ROOTS WITH PRESERVATON OF ADJACENT STRUCTURES

859LF.FG.014
Diamond, conical pointed,
slender, grit size fine
max. 450'000 rpm





	COLOUR CODE	GRAIN		ISO	SIZE OF GRAINS	RECOMMENDED APPLICATION
	red ring	fine	= F	514	38-45 µm	Root preparation

Application:
Prepare the access parallel to the tooth axis. The rounded Torpedo tip ensures safe guidance and prevents lateral damage of adjacent tooth roots or perforation of nasal cavity and mandibular canal.



4 SUBGINGIVAL CLEANING & FINISHING
DIAMOND INSTRUMENTS

DIAMOND INSTRUMENT TO SMOOTH ROUGH BONE EDGES (ALVEOLOPLASTY) TO ENSURE UNCOMPLICATED WOUND HEALING.

858F.FG.014
Diamond, conical pointed,
slender, grit size fine
↻max. 450'000 rpm





	COLOUR CODE	GRAIN		ISO	SIZE OF GRAINS	RECOMMENDED APPLICATION
	red ring	fine	= F	514	38-45 µm	Alveoloplasty

Application:
Smoothing bony margins of the alveolar rim prior to wound closure to preserve tension free closure and avoid irritation of the mucoperiosteal flap from underlying sharp bone edges.



REFILL & ORDER INFORMATION



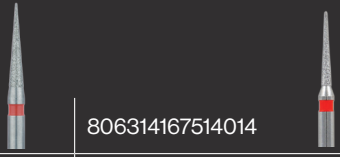
REFERENCE	500314001001014	500314001001016	500314001001018	500314001001021
MATCHCODE JOTA	C1.FG.014	C1.FG.016	C1.FG.018	C1.FG.021
COVETRUS REF. NO.	209196	209197	209198	209204
DESCRIPTION	**Carbide round bur, with enhanced fluting** Maximum precision in the tightest of spaces, high-precision, minimally invasive removal of thin alveolar bone in small dogs			



REFERENCE	500316001001014	500316001001016	500316001001018	500316001001021
MATCHCODE JOTA	C1.FGXL.014	C1.FGXL.016	C1.FGXL.018	C1.FGXL.021
COVETRUS REF. NO.	207356	1001014	207357	501021
DESCRIPTION	**Carbide round burs, XL shank** Extra length for deep anatomical structures in large breed dogs, maximum resistance to fracture under lever forces. Substantial removal of the thick cortical alveolar bone			



REFERENCE	500314168007012	500316168007016	500316171007012	500314198072016
MATCHCODE JOTA	C33.FG.012	C33.FGXL.016	C33L.FGXL.012	C375R.FG.016
COVETRUS REF. NO.	20230711	209241	209244	502016
DESCRIPTION	**Carbide milling cutter, conical** Precise sectioning of multi rooted teeth in small dogs.	**Carbide milling cutter, conical, XL shank** Eficcient sectioning of multi rootrd teeth in large dogs		**Carbide milling cutter, conical, domed end**



REFERENCE	806314165514014	806314167514014
MATCHCODE JOTA	858F.FG.014	859LF.FG.014
COVETRUS REF. NO.	806355	806375
DESCRIPTION	**Diamond conical pointed, slender,grit size fine** Safe, atraumatic definition of preparation alveolar margins before closure. Deep preparation of tooth or fractured root tips.	



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