



JOTA NEWS 2023

PRECISE RELIABLE PREPARATION CONCEPT (PRP CONCEPT)

- › A precise, reliable preparation concept (PRP) proposes an intuitive, easy-to-operate, and restoration parameterization-based approach to modeling tooth preparation.
- › PRP concept design was developed to help dentists quickly define the thickness of restoration in the different tooth levels, which can reduce the complexity of the tooth preparation process and improve its quality and efficiency.
- › This concept included six different types of diamond burs:
 1. Depth markers for incisal edges, lingual & occlusal surfaces
 2. Depth markers for anterior teeth
 3. Depth markers for posterior teeth
 4. Multi-radius burs for posterior teeth
 5. Multi-radius burs for anterior teeth
 6. Multi-radius margin refinement burs



1. DEPTH MARKERS FOR INCISAL EDGES, LINGUAL & OCCLUSAL SURFACES

- › Available in cylindrical and conical shapes and 0.9 mm and 1.7 mm thicknesses.
- › 828 burs with diameter 017 are used for posterior teeth preparation and diameter 009 for small teeth and premolars.
- › 828T has a cone from 8 grads and can also be used for onlay and inlay preparations.
- › Controlled depth reduction of incisal edges, lingual & occlusal surfaces; 6 cutting Depths for different crowns.

DEPTH MARKERS BURS

828TW



828W



828TG



828G



828TO



828O



828TY



828Y



828TB



828B



828TR



828R



PRECISE RELIABLE PREPARATION CONCEPT (PRP CONCEPT)

2. & 3. DEPTH MARKERS FOR ANTERIOR AND POSTERIOR TEETH

- › Depth markers for anterior teeth have three tiers and posterior two tiers, respectively.
- › A guided pin helps to position the bur on the tooth.
- › The WD560 burs are used for depth marking of the veneers.
- › The WD834 and WD510 burs are used for depth limiting of different crowns.

- › Burs guarantee tooth tissue reduction for creating esthetic restorations with natural color and translucency.
- › Predefine angles and depths in the different tooth levels.
- › Prevent over-preparation

ANTERIOR TEETH veneer preparation

WD560.FG.018



Depth 0.25/0.25/0.25 mm

WD560.FG.021



Depth 0.4/0.4/0.4 mm

minimal

WD834.FG.025



Depth 0.3/0.5/0.7 mm

standard

WD834.FG.031



Depth 0.5/0.7/0.9 mm

extensive

WD834.FG.035



Depth 0.8/1.0/1.2 mm

minimal

WD510.FG.026



Depth 0.3/0.5/0.7 mm

standard

WD510.FG.030



Depth 0.5/0.7/0.9 mm

extensive

WD510.FG.034



Depth 0.8/1.0/1.2 mm

layered

WD510.FG.046



Depth 1.0/1.2/1.5 mm

POSTERIOR TEETH

high strength monolithic

WD511.FG.036



Depth 0.5/1.0 mm

low strength monolithic

WD511.FG.040



Depth 0.8/1.2 mm

layered

WD511.FG.045



Depth 1.0/1.5 mm

PRECISE RELIABLE PREPARATION CONCEPT (PRP CONCEPT)

4. & 5. POSTERIOR & ANTERIOR TEETH / BULK REDUCTION

- › Improve the preparation of shoulder margins, no stepping, lipping and sharp points.
- › Multi-radius burs smoothen the edges.
- › Available in three different diamond grits: very coarse, medium, and fine, and in two working part lengths of 6.0 and 8.0 mm for posterior and anterior teeth preparation.

POSTERIOR TEETH BULK REDUCTION AND SEPARATION

WD203SG



WD203



WD203F



ANTERIOR TEETH BULK REDUCTION

WD204SG



WD204



WD204F



6. MARGIN REFINEMENT BURS

- › Three margin refinement burs with 0.6, 1.2 and 1.6 mm diameters.
- › Diamonded only on the top and do not change other preparation surfaces.
- › Multi radius design prevents stepping and J -margin.
- › Guarantee excellent fit and minimal cement line.

MULTI-RADIUS MARGIN REFINEMENT BURS

WD839F



DEGRANULATION KIT 1454

- › Degranulation kit is excellently suitable for further bone regeneration procedures.
- › Degranulation burs can be used in implantology, periodontal surgery, endodontic surgery, and root removal.
- › Very rough diamond edges allow fast removal of soft granulation tissue inaccessible to manual treatment.
- › Diamond instruments do not damage bone structure compared to carbide burs; therefore safe when you work near the anatomical structures.
- › The degranulation kit 1454 consists of four degranulation drills with diameter 1.0 mm, 2.5 mm, 3.0 mm, 3.5 mm.



TREPHINE BASIC KIT 1456

- › The Trephine Basic Kit offers a selected range of high quality trephines in four diameters.
- › These tools are designed specifically for creating cylindrical bone grafts quickly and accurately and for removing implants.
- › The trephine drills have a depth of 10 mm and have been developed specifically with mandibular surgery and implantology in mind.
- › Thanks to the well-defined laser depth marking in 2 mm intervals, the drilling depth can accurately be monitored.
- › Furthermore, the pre-drilling trephines in the same diameter included in the set enable a safe application of the trephines.
- › Available in following diameters: 4.0 mm, 5.0 mm, 6.0 mm, 7.0 mm.



TREPHINE KIT LONG KIT 1457

- › The Trephine Kit Long offers a selected range of high quality trephines in four diameters.
- › These tools are designed specifically for creating cylindrical bone grafts quickly and accurately and for removing implants.
- › The trephine drills have a depth of 18 mm and have been developed specifically with mandibular surgery and implantology in mind.
- › Thanks to the well-defined laser depth marking in 2 mm intervals, the drilling depth can accurately be monitored.
- › Furthermore, the pre-drilling trephines in the same diameter included in the set enable a safe application of the trephines.
- › Available in following diameters: 4.0 mm, 5.0 mm, 6.0 mm, 7.0 mm.



BIOPSY PUNCH SET FOR EXTRACTION OF TISSUE GRAFTS KIT 1458

- › The Punch Basic Kit contains Biopsy Punches in four different diameters for the performance of tissue removal.
- › They serve for the application in immediate implant placement, for taking mucosa grafts in the scope of soft tissue management or biopsy as well as for uncovering the gingiva after implantation.
- › The Biopsy Punches create clean cut surfaces and care for minimal tissue traumatization.
- › Available in following diameters: 3.0 mm, 5.0 mm, 6.0 mm, 7.0 mm.



LATERAL APPROACH KIT FOR EXTERNAL SINUS ELEVATION HP KIT 1459

- › The Surgical kit 1459 contains instruments with handpiece shank for the lateral approach in an external sinus lift.
- › Carbide cutters in three diameters and diamond instruments in three grains allow for the gradual thinning of the facial bone wall of the maxillary sinus down to the Schneiderian membrane.
- › The large diameter of the instruments protects the membrane from unintentional perforation.



LATERAL APPROACH KIT FOR EXTERNAL SINUS ELEVATION RA KIT 1461

- › The Surgical kit 1461 contains instruments with right-angled shank for the lateral approach in an external sinus lift.
- › Carbide cutters in three diameters and diamond instruments in two grains allow for the gradual thinning of the facial bone wall of the maxillary sinus down to the Schneiderian membrane.
- › The large diameter of the instruments protects the membrane from unintentional perforation.



CARBIDE FINISHERS FOR PERIIMPLANTITIS TREATMENT KIT 1462

- › The Periimplantitis Kit contains perfectly matched tungsten carbide finishing burs in egg and flame shapes for the idea peri-implantitis treatment.
- › All shapes come in standard and ultra-fine toothings.
- › The shapes, sizes and toothings of the working parts are perfectly suited for the intraoral treatment of titanium and for different shapes of implant neck and shoulder.
- › All finishers have an extra-long FG shank (total length 32 mm) which allows particularly the treatment of difficult-to-access, deep areas.
- › For the peri-implantitis treatment, the finishers are used clockwise and are guided around the exposed implant counter-clockwise so the implant surface is smoothed.



BONE SAW KIT 1463

- › The Bone Saw Kit provides a selection of diamond saws in the three most important diameters.
- › They are used for the application in bone spreading or splitting operations.
- › Due to the various sizes, the set offers the clinician the possibility of having a proper selection of these saws during surgery.
- › Available in following diameters: 7.0 mm, 10.0 mm, 13.0 mm.



SURGICAL BONE CUTTERS KIT 1470

- › The Surgical Kit 1470 contains a selection of conical Tungsten Carbide Cutters with handpiece shank for a broad field of application in oral surgery.
- › The cutters have a particularly easy cutting and efficient saw toothings and a specifically designed twist angle.
- › Further, the narrow working parts allow for an optimal view on the working area.



ALVEOPLASTY SURGICAL KIT 1471

- › The Alveoplasty Surgical Kit contains the most important instruments for surgical contouring and modification of the alveolar ridge when unwanted unevenness of the jawbone occurs after tooth extraction or bone degeneration.
- › In this case, the kit offers the best way to smooth the jawbone.
- › The Alveoplasty Kit contains initial bur and two Lindemann burs, which allow for the performance of precise, initial osteotomies, even in hard cortical bone.
- › To perform the alveoplasty itself, carbide cutters and specially designed diamond and ridge contourers are included.
- › The rounded working parts optimally protect the soft tissue against injuries.
- › Thus, the alveolar ridge is prepared carefully and precisely for implant insertion or denture restoration.



C141AS

- › Round tungsten carbide cutter with cross cut.
- › Optimized toothings provides better cutting performance on bones.
- › Available in following diameters: 2.3 mm, 2.7 mm, 3.1 mm, 3.5 mm.



CX162S

- › Thin bone cross cutter with safe end and FG shank.
- › Available in following diameters: 1.4 mm.



C163 & C165

- › Bone cutter, conical pointed.
- › C163, C165 short working part bone cutters for small operation areas.
- › Available in following diameters: 1.4 mm & 2.3 mm.



C254E

- › Small working part carbide bone cutter with a long neck for better operational area visibility.
- › Available in following diameters: 1.2 mm.



C408M

- › Cross Bone Cutter
- › 10 mm long
- › 1.6 mm thin
- › Available in following diameters: 1.6 mm.



FINISHING BURS

- › Two different shapes in two sizes $\varnothing 1.4$ mm and $\varnothing 2.3$ mm.
- › Suitable for different implant shapes and areas.
- › Special durable toothings for titanium smoothing.
- › Extra-long shank helps to access of deep areas.



187RF

- › Initial burs with laser marking and stop for safe application.
- › Available in following diameters: 1.8 mm.



203RF

- › Stainless steel twist drills are suitable for decorticating and making perforation for surgical screws.
- › Available in following diameters: 0.6 mm, 0.8 mm.



203S

- › Twist drill with stop for the placement of bleeding points (decorticating) for optimal bone healing conditions.
- › Available in following diameters: 1.2 mm.



RCB00

- › Ridge contouring bur forms rough surfaces or sharp edges of the alveolar bone.
- › This optimally prepares the bone for implant placement or restoration with a total prosthesis.
- › Available in following diameters: 7.5 mm.



915DM

- › Super flexible disc for separating bone transplantation segments.
- › Available in following diameters: 22.0 mm.



D8307XG

- › Diamond Instruments for modification of the alveolar ridge.
- › Extra coarse diamond grit.
- › Two anatomical shapes drills.
- › Suitable for smoothing different bone ridge.
- › Available in following diameters: 6.0 mm, 9.0 mm.



DV229

- › The same size pre-drilling trephines create initial grooves so that the trephines does not vibrate and can be used safely.
- › Available in following diameters: 4.0 mm, 5.0 mm, 6.0 mm, 7.0 mm.

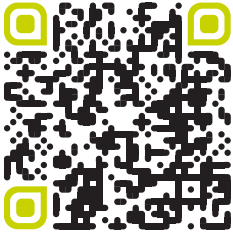


BV025

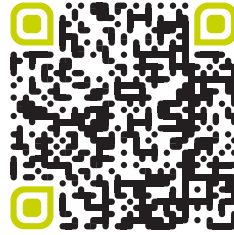
- › RA Drill extensions for difficult to reach areas.



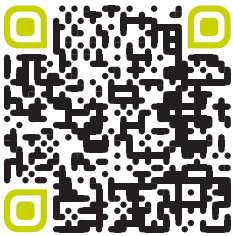
DENTAL CATALOGUE 2022/23



BEF PROTOTYPE KIT



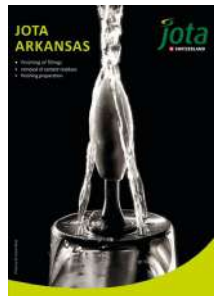
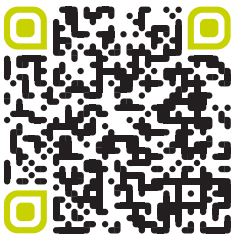
CORRECT USE SWIVELS



ALL CROWN CUTTERS KIT 1999



ARKANSAS STONES



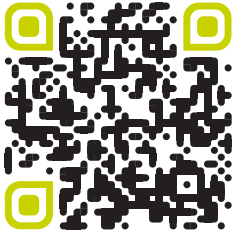
DEGRANULATION KIT 1454



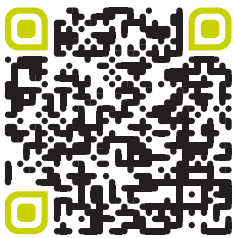
COMPOSITE & DENTAL POLYMERS COMPASS



PRECISE RELIABLE PREPARATION CONCEPT (PRP)



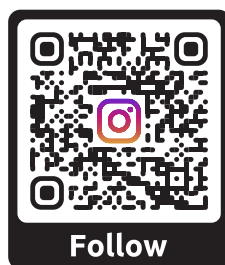
SURGERY CATALOGUE INTERNATIONAL EDITION 1



JOTA ESSENTIALS CATALOGUE DENTISTRY & LABORATORY



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