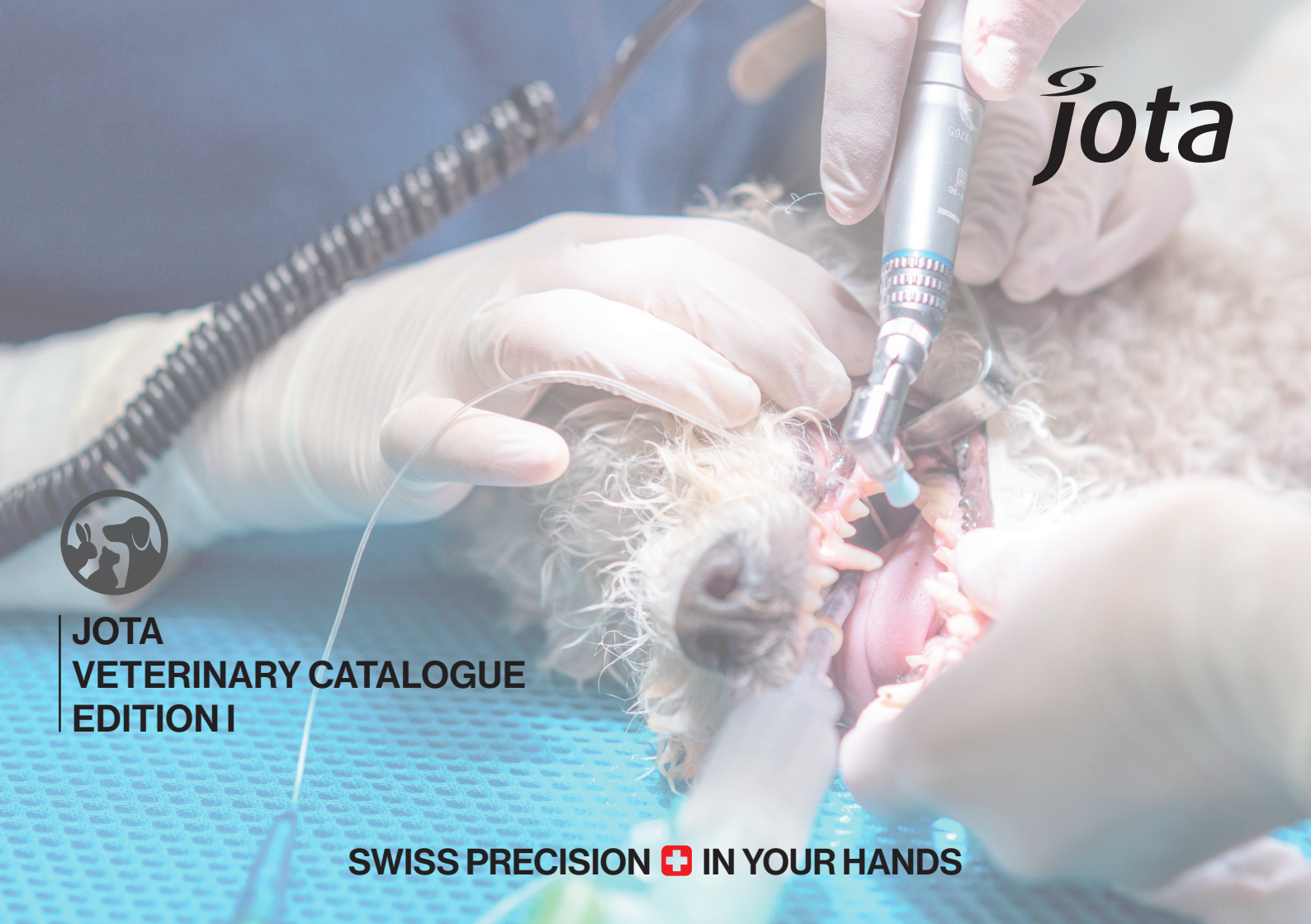


JOTA
VETERINARY CATALOGUE
EDITION I

SWISS PRECISION IN YOUR HANDS

VETERINARY

BE PART OF JOTA WORLD - Global Presence in more than 80 countries

The veterinary market is constantly evolving. With rising standards for the quality of treatment and increasing specialisation among veterinary practices and clinics, the demand for high-quality, specially tailored instruments is also growing.
A dedicated veterinary catalogue provides a clear overview of the available product range and makes it easier for vets to select suitable instruments for their daily procedures. At the same time, it strengthens your positioning as a competent partner in the veterinary sector and opens up new market potential.

A standalone catalogue offers the following advantages:

- **Clear focus on the needs of veterinary medicine**
- **Easy product selection by application area and animal species**
- **Greater visibility of the veterinary range of diamonds, carbides and polishers**
- **A professional marketing and sales tool**
- **Support for dealers and distributors in advising customers**
- **Tapping into new customer segments and international markets**

The aim is to provide vets with a clear, practice-oriented and technically sound product overview that supports day-to-day clinical practice whilst also underlining the company's expertise in the veterinary sector.

VETERINARY

GENERAL INFORMATION	1 - 5
DIAMOND INSTRUMENTS	6 -8
CARBIDE INSTRUMENTS	9 - 12
POLISHERS	13
INSTRUCTIONS	14 - 19

ORDER INFORMATION

VETERINARY

jota

JOTA MATCHCODE

833EF.FG.014

833EF **FG** **014**

DE	**Form**	+ **Körnung**	+ **Schaft**	+ **Durchmesser**
EN	**Figure**	+ **Grain**	+ **Shank**	+ **Diameter**
FR	**Figure**	+ **Grain**	+ **Tige**	+ **Diamètre**
ES	**Figura**	+ **Grano**	+ **Mango**	+ **Diámetro**

1

FIGURE — Wählen Sie Form, Nummer und Körnung des gewünschten Instruments aus
FIGURE — Choose the figure number and grain of the requested instrument
FIGURE — Sélectionnez le numéro de figure et le grain de l'instrument souhaité
FIGURA — Seleccione el número de figura y el grano del instrumento deseado

2

SCHAFT — Wählen Sie die Schaftart des gewünschten Instruments aus
SHANK — Choose the shank type of the requested instrument
TIGE — Choisissez le type de tige de l'instrument demandé
MANGO — Elija el tipo de mango del instrumento solicitado

3

DURCHMESSER — Wählen Sie die Arbeitsteilgröße des gewünschten Instruments aus
DIAMETER — Choose the working part size of the requested instrument
DIAMÈTRE — Sélectionnez la taille de la pièce de travail de l'instrument souhaité
DIÁMETRO — Seleccione el tamaño del elemento de trabajo del instrumento deseado

Eine Verpackungseinheit kann mehrere Instrumente enthalten
One packaging unit may contain several instruments
Une unité de conditionnement peut contenir plusieurs instruments
Una unidad de embalaje puede contener varios instrumentos

833

Ei
egg



Turbine | Friction Grip



FIGURE	SHANK	REF	Ø					
833	FG	806 314 277 524		014	016	018	021	023
833SG	FG	806 314 277 544			016	018		023
833G	FG	806 314 277 534		014	016	018		023
833F	FG	806 314 277 514	012	014	016	018	021	023
833EF	FG	806 314 277 504		014	016	018		023
838UF	FG	806 314 277 494						023
		L mm	2,8	2,8	3,4	3,4	4,2	4,2
			5	5	5	5	5	5
		APPLICATION						

1 **2** **3**

DE **Form + Körnung**	DE **Schaft**	DE **Durchmesser**
EN **Figure + Grain**	EN **Shank**	EN **Diameter**
FR **Figure + Grain**	FR **Tige**	FR **Diamètre**
ES **Figura + Grano**	ES **Mango**	ES **Diámetro**

SHANK TYPES

VETERINARY

jota

SHANK TYPES

DESCRIPTION	∅	↔	ISO	
 Straight handpiece	2,35 mm	44,5 mm	104	HP
 Right angle	2,35 mm	22 mm	204	RA
 Right angle, long	2,35 mm	26 mm	205	RAL
 Friction Grip	1,60 mm	19 mm	314	FG
 Friction Grip, long	1,60 mm	21 mm	315	FGL
 Friction Grip, extra long	1,60 mm	25 mm	316	FGXL

DE	Gesamtlängen der Instrumente können je nach Konstruktionstyp länger oder kürzer ausfallen.
EN	The total lenghts of instrument can be longer or shorter according to type of construction.
FR	Les longueurs totales peuvent êtres plus longues ou plus courtes selon du type de construction.
ES	Longitudes totales de los instrumentos pueden ser más largas ó más cortas según tipo de construcción.

RECOMMENDED SPEED

	DIAMONDS & CARBIDES		POLISHERS
	Friction Grip FG	Right Angle RA Straight Handpiece HP	Right Angle RA
	min^{-1}		
005	300.000	45.000	*see product information page*
006			
007			
008			
009			
010			
012			
014			
016	280.000	20.000	
018	250.000		
021	210.000		
023	190.000		
025	180.000		*see product information page*
027	160.000	15.000	
028	150.000		
029			
030			
033			

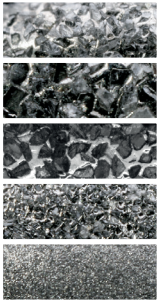
These are general guide speeds, specific recommended speeds for surgery instruments can be found on the product packing.

To over exceed the given rotation speed can lead to impairment of the eficiency of the products and/or be of danger for the patient as well as the user. The choice of the working speed for a specifc application case is determined by the material subsequently to be used, the instrument power, and the maximal down force pressure ultimately decided upon by the user.

> To produce optimum results, turn the rotary instruments at their recommended speeds.
> Long, pointed instruments tend to oscillate if their maximum permissible speeds are exceeded - this may destroy the instruments.
> If the diameter of the working part exceeds that of the shank, powerful centrifugal forces may build up at high speeds which may bend the shank and/or fracture the instruments. The maximum permissible speed must therefore never be exceeded.
> The recommended speeds are shown in the adjacent diagram.
> The maximum permissible working speeds are indicated in the manufacturer's information on the packaging.
> Non-adherence to the maximum permissible speeds increases the risk of accidents.

DIAMONDS

VETERINARY



	COLOUR CODE	GRAIN		ISO	SIZE OF GRAINS	RECOMMENDED APPLICATION
	black ring	super coarse	= SG	544	150 - 180 µm	Coarse grinding
	green ring	coarse	= G	534	120-150 µm	Grinding
	blue ring	medium		524	90-106 µm	Universal grinding
	red ring	fine	= F	514	38-45 µm	Burnishing
	yellow ring	extra fine	= EF	504	20-30 µm	Prefinishing (composites)

JOTA Diamonds basically consist of the shank plus a hardened, stainless profiled body which is coated with only selected diamond grains using state-of-the-art electroplating techniques. This guarantees an extremely homogeneous, secure and long-lasting diamond coating. A choice of up to five different grain sizes is available.

The use of super coarse-grained (ISO 544) and coarse-grained (ISO534) diamonds, can lead to increased heat generation. Using these diamonds requires sufficent cooling and minimal application force. After using these diamond instruments, finishing should be performed in order to obtain an optimal surface roughness/smoothness.

APPLICATIONS VETERINARY

1	Finishing / Edge Smoothing After Trimming Grit: Medium
2	Finishing / Edge Smoothing After Trimming Grit Size: Medium Coarse
3	Finishing / Edge Smoothing After Trimming Grit Size: Coarse
4	Finishing / Edge Smoothing After Trimming Grit Size: Fine
5	Cutting disc, large-area post-tre-atment (e.g., calluses, corns)
6	Polishing/Smoothing, final step (grit: fine)
7	Polishing/Smoothing, final step (grit: medium)
8	Polishing/Smoothing, final step (grit: coarse)
9	Trimming / Rough Removal of the Claw /shaping)

	Cat (fine finish)
	Medium to large dog (fine finish)
	Medium to large dog
	Large dog
	Rodents / Small Animals
	Polishing/Smoothing, final step (grit: fine/medium/coarse)
	Cutting disc, large-area post-treatment (e.g., calluses, corns)

jota

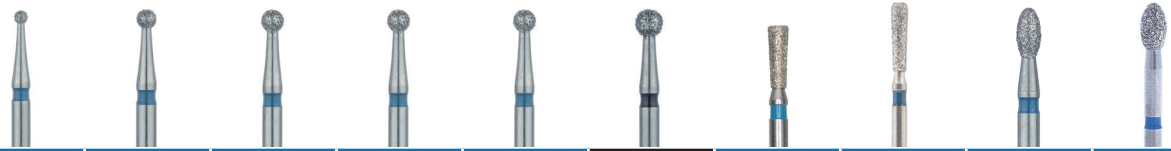


FIGURE	801	801	801	801	801	801SG	807	808L	833	833
SHANK	FG	FG	FG	HP	RA	FGXL	RA	FG	FG	FGL
Ø	012	016	018	018	018	029	016	018	023	023
L mm	--	--	--	--	--	--	4,2	--	4,2	--
📦	5	5	5	5	5	5	5	5	5	5
APP	1	1	1	1	1	3	1	1	1	1

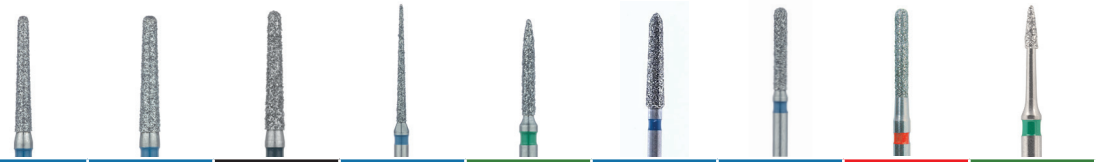


FIGURE	852	852	852SG	859L	862G	879	881	881F	888LG
SHANK	FG	RA	FG	FG	FG	FG	FG	FG	FG
Ø	014	021	016	010	012	021	012	012	010
L mm	10,0	10,0	10,0	12,0	8,0	10	8,0	8,0	3,0
📦	5	5	5	5	5	5	5	5	5
APP	1	1	3	1	2	1	1	4	2

DIAMOND DISCS

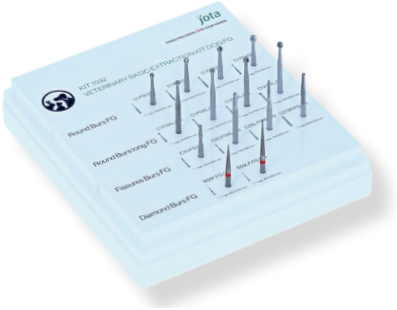
LABORATORY



FIGURE	910D	916D	910D	916D
SHANK	HP	HP	RA	RA
Ø	190	220	190	220
L mm	0,50	0,50	0,50	0,50
	1	1	1	1
APP	5	5	5	5

VETERINARY KITS

BASIC EXTRACTION KIT 1592 DOG FG



BASIC EXTRACTION KIT 1593 CAT FG



BASIC EXTRACTION KIT 1594 CAT RA



CARBIDES

VETERINARY

jota

	COLOUR CODE	DESCRIPTION	CHARACTERISTICS
	black ring	super coarse	remover
	green ring	coarse	high cutting efficiency
	blue ring	medium	x-cut cutting
	red ring	fine	8-12 Blades

ORAL & MAXILLOFACIAL SURGERY	RECOMMENDED	MAXIMUM
Friction Grip FG	80‘000 min-1	100‘000 – 120‘000 min-1

APPLICATIONS VETERINARY

1	Finishing / Edge Smoothing After Trimming Grit: Medium
2	Finishing / Edge Smoothing After Trimming Grit Size: Medium Coarse
3	Finishing / Edge Smoothing After Trimming Grit Size: Coarse
4	Finishing / Edge Smoothing After Trimming Grit Size: Fine
5	Cutting disc, large-area post-tre-atment (e.g., calluses, corns)
6	Polishing/Smoothing, final step (grit: fine)
7	Polishing/Smoothing, final step (grit: medium)
8	Polishing/Smoothing, final step (grit: coarse)
9	Trimming / Rough Removal of the Claw /shaping)

	Cat (fine finish)
	Medium to large dog (fine finish)
	Medium to large dog
	Large dog
	Rodents / Small Animals
	Polishing/Smoothing, final step (grit: fine/medium/coarse)
	Cutting disc, large-area post-treatment (e.g., calluses, corns)

CARBIDES

VETERINARY

jota



FIGURE	C1	C1	C1	C1	C1	C1	C1	C1	C1
SHANK	FG	FG	FG	FG	FG	FG	FG	FG	FG
Ø	006	008	010	012	014	016	018	021	023
L mm	--	--	--	--	--	--	--	--	v
	5	5	5	5	5	5	5	5	5
APP	9	9	9	9	9	9	9	9	9



FIGURE	C1	C1	C1	C1	C1	C1	C1
SHANK	FGXL	FGXL	FGXL	FGXL	FGXL	FGXL	FGXL
Ø	010	012	014	016	018	021	023
L mm	--	--	--	--	--	--	--
	5	5	5	5	5	5	5
APP	9	9	9	9	9	9	9

jota



FIGURE	C1	C1	C1	C1	C1	C134	C141F	C151	C152	C166
SHANK	HP	RA	RA	RA	RA	FG	RAL	FGXL	FGL	RAL
Ø	014	018	021	023	027	014	031	016	014	021
L mm	--	--	--	--	--	--	--	--	0,9	--
	5	5	5	5	5	5	5	5	5	5
APP	9	9	9	9	9	9	9	9	9	9



FIGURE	C2	C2	C2	C2	C21	C21	C21R	C7	C7	CG35RS
SHANK	FG	FG	RA	RA	FG	FG	FG	FG	FG	FG
Ø	014	016	012	016	014	016	010	008	012	012
L mm	1,4	1,5	1,2	1,6	4,5	4,5	4,1	1,8	2,2	3,5
	5	5	5	5	5	5	5	5	5	5
APP	9	9	9	9	9	9	9	9	9	9

CARBIDES

VETERINARY

jota



FIGURE	C23	C23	C23L	C23L	C23R	C23R	CX23
SHANK	FG	FG	FG	FG	FG	RA	FG
Ø	008	010	009	012	012	016	010
L mm	3,6	8,8	5,3	6,3	4,1	4,5	4,0
	5	5	5	5	5	5	5
APP	9	9	9	9	9	9	9



FIGURE	C33	C33	C33	C33	C33	C33	C33L	C33L	C33L
SHANK	FG	FG	FG	FGXL	FGXL	HP	FGXL	FGXL	FGXL
Ø	010	012	021	012	021	012	010	012	012
L mm	4,1	4,1	4,5	4,5	4,9	4,1	4,5	4,5	4,9
	5	5	5	5	5	5	5	5	5
APP	9	9	9	9	9	9	9	9	9

POLISHERS

VETERINARY

jota







FIGURE	9502G	9502M	9502F	9504M	9504G	9504F	9997M
SHANK	RA	RA	RA	RA	RA	RA	RA
Ø	050	050	050	050	050	050	070
L mm	6,5	6,5	6,5	6,5	6,5	6,5	6,0
	2	2	2	2	2	2	2
	20'000 rpm	20'000 rpm	20'000 rpm	20'000 rpm	20'000 rpm	20'000 rpm	10'000 rpm
APP	6	7	8	7	6	8	7

APPLICATIONS VETERINARY

1	Finishing / Edge Smoothing After Trimming Grit: Medium
2	Finishing / Edge Smoothing After Trimming Grit Size: Medium Coarse
3	Finishing / Edge Smoothing After Trimming Grit Size: Coarse
4	Finishing / Edge Smoothing After Trimming Grit Size: Fine
5	Cutting disc, large-area post-tre-atment (e.g., calluses, corns)
6	Polishing/Smoothing, final step (grit: fine)

7	Polishing/Smoothing, final step (grit: medium)
8	Polishing/Smoothing, final step (grit: coarse)
9	Trimming / Rough Removal of the Claw /shaping)

	Cat (fine finish)
	Medium to large dog (fine finish)
	Medium to large dog
	Large dog
	Rodents / Small Animals
	Polishing/Smoothing, final step (grit: fine/medium/coarse)
	Cutting disc, large-area post-treatment (e.g., calluses, corns)

INSTRUCTIONS FOR PROCESING & GENERAL APPLICATION AND SAFETY INSTRUCTIONS

Instructions for the processing (Cleaning, disinfection, and sterilization) of instruments from Jota) **Issued: January 2025**

The medical devices produced and sold by Jota AG are re-usable unless their label contains explicit information to the contrary. However, as a rule, it is the sole responsibility of the doctor/expert using the devices to decide whether, depending on the respective case and the potential wear and tear of the products, he can re-use the products and how frequently he uses them. In case of doubt, it is always advisable to discard the products early and to replace them. The manufacturer Jota AG cannot guarantee the faultless function and performance of the products combined with a maximum degree of safety if the products are overused. These reprocessing instructions apply in principle to all medical devices making up the product range supplied by Jota AG. Any particular features and/or exclusions that only concern individual items or groups of items are referred to separately.

Fundamental points

All instruments are classified as semi-critical instruments and are to be cleaned, disinfected, and sterilized prior to each application; this is required as well for the first use after delivery of the unsterile instruments (cleaning and disinfection after removal of the protective packaging, sterilization after packaging). An effective cleaning and disinfection are indispensable requirements for an effective sterilization of the instruments.

You are responsible for the sterility of the instruments. Therefore, please ensure that only sufficiently device and product specifically validated procedures will be used for cleaning, disinfection, and sterilization, that the used devices (WD, sterilizer) will be maintained and checked regularly, as well as that the validated parameters will be applied for each cycle.

Please pay attention to avoid a higher contamination of the complete bur block during application; otherwise, it is necessary to clean and disinfect the bur block as well as all instruments inside (after removal).

Additionally, please pay attention to the legal provisions valid for your country as well as to the hygienic instructions of the doctor´s practice or of the hospital. This applies particularly to the different guidelines regarding the inactivation of prions (not relevant for USA). It also refers to country specific specification of workplaces for cleaning and disinfection.

Some instruments require additional aspects. For this, pay attention-on to chapter “Attachment A: Specific aspects”.

Cleaning and disinfecting

Basic:
If possible, an automated procedure (WD (Washer-Disinfector)) should be used for cleaning and disinfection of the instruments. A manual procedure
– even in case of application of an ultrasonic bath – should only be used if an automated procedure is not available; in this case, the significantly lower efficiency and reproducibility of a manual procedure has to be considered. The pre-treatment step is to be performed in both cases.

Pre-treatment:
Please remove coarse impurities of the instruments directly after application (within a maximum of 1 h).

Procedure:

1. Rinse the instruments at least 1 min under running water (temperature < 35 °C/95 °F).
2. Soak the instruments at least for the given soaking time in the pre-cleaning solution (e.g. ID 212 forte, 2% for 5 Minutes; by the use of an ultrasonic bath) so that the instruments are sufficiently covered. Pay attention that there is no contact between the instruments. Assist cleaning by careful brushing with a soft brush (at least three times after beginning of soaking, aids see chapter “Specific aspects”).
3. Then activate ultrasonic treatment for an additional soaking time (but not less than 5 min).
4. Then, remove the instruments of the pre-cleaning solution and post-rinse them at least three times intensively (at least 1 min) with cold tap water.
5. In case of still visible contamination repeat steps 2, 3, and 4, otherwise discard the instrument. This is especially relevant for diamond instruments.

Pay attention to following points during selection of cleaning detergent 1):

› fundamental suitability for the cleaning of instruments made of metallic or plastic material
› suitability of the cleaning detergent for ultrasonic cleaning (no foam development)
› compatibility of the cleaning detergent with the instruments (see chapter „material resistance„)

Pay attention to the instructions of the detergent manufacturer regarding concentration, temperature and soaking time as well as post-rinsing. Please use only freshly prepared solutions as well as only demineralized sterile or low contaminated water (max. 10 germs/ml) as well as low endotoxin contaminated water (max. 0.25 endotoxin units/ml), for example purified/highly purified water, and a soft, clean, and lint-free cloth and/or filtered air for drying, respectively.

1) In case of application of a cleaning and disinfection detergent for this (e.g. in consequence of personnel´s safety) please consider, that this should be aldehyde-free (otherwise fixation of blood impurities), possess a fundamentally approved efficiency (for example VAH/DGHM or FDA/EPA approval/clearance/ registration or CE marking), be suitable for the disinfection of instruments made of metallic or plastic material, and be compatible with the instruments (see chapter „material resistance„). Please consider, that a disinfectant used in the pre-treatment step serves only the personnel`s safety, but cannot replace the disinfection step later to be performed after cleaning.

Automated cleaning/disinfection (recommended; WD (Washer-Disinfector)):

Pay attention to following points during selection of the WD:

› fundamentally approved efficiency of the WD (for example CE marking according to EN ISO 15883 or DGHM or FDA approval/clearance/registration)
› possibility for an approved program for thermal disinfection (A0 value > 3000 or – in case of older devices - at least 5 min at 90°C/194 °F; in case of chemical disinfection danger of remnants of the disinfectant on the instruments)
› fundamental suitability of the program for instruments as well as sufficient rinsing steps in the program
› post-rinsing only with demineralized sterile or low contaminated water (max. 10 germs/ml, max. 0.25 endotoxin units/ml), for example purified/highly purified water
› only use of filtered air (oil-free, low contamination with microorganisms and particles) for drying
› regularly maintenance and check/calibration of the WD

Pay attention to following points during selection of the cleaning deter-gent:

› fundamental suitability for the cleaning of instruments made of metallic or plastic material
› additional application – in case of non-application of a thermal dis-infection – of a suitable disinfectant with approved efficiency (for example VAH/DGHM or FDA/EPA approval clearance/ registration or CE marking) compatible to the used cleaning detergent
› compatibility of the used detergents with the instruments (see chapter „material resistance„)

Pay attention to the instructions of the detergent manufacturers regarding concentration, temperature and soaking time as well as post-rinsing.

Procedure:

1. Transfer the pre-cleaned instruments in the WD by the use of a small piece's basket or tray.
2. Start the program:
   3 min pre-rinsing with cold tap water (<30°C) drain
   10 min cleaning at 50 - 60°C with 0.2-1% Neodisher® Mediclean Dental drain
   1 min rinsing with demin. water (40-45°C) drain
   1 min rinsing with cold demin. water (<30°C) drain
   5 min thermal disinfection for 5 min at 90-92°C with demin. water drain
   30 min automatic drying at 100°C (wd program)
3. Remove the instruments of the WD after end of the program.
4. Check and pack the instruments immediately after the removal (see chapters „check„, „maintenance„, and "packaging„ if necessary, after additional post-drying at a clean place).

The fundamental suitability of the instruments for an effective automated cleaning and disinfection was demonstrated by an independent, governmentally accredited and recognized (§ 15 (5) MPG) test laboratory by application of the WD G 7835 CD, Miele & Cie. GmbH & Co., Gütersloh, (thermal disinfection) and the pre-cleaning and cleaning detergent neodisher® Mediclean Dental (Dr. Weigert GmbH & Co. KG, Hamburg) con-sidering to the specified procedure.

Manual cleaning and disinfection (not recommended):

Pay attention to following points during selection of the cleaning and disinfection detergents:

› fundamental suitability for the cleaning and disinfection of instruments made of metallic or plastic material
› in case of application of an ultrasonic bath: suitability of the cleaning detergent for ultrasonic cleaning (no foam development)
› application of a disinfectant with approved efficiency (for example VAH/DGHM or FDA/EPA appro- val/clearance/registration or CE marking) compa-tible with the used cleaning detergent
› compatibility of the used detergents with the instruments (see chapter „material resistance„)

Combined cleaning/disinfection detergents should not be used.

Only in case of extremely low contamination (no visible impurities) combined cleaning/disinfection could be used.

Pay attention to the instructions of the detergent manufacturers regarding concentration, temperature and soaking time as well as post-rinsing. Please use only freshly prepared solutions as well as only demineralized sterile or low contaminated water (max. 10 germs/ml) as well as low endotoxin contaminated water (max. 0.25 endotoxin units/ml), for example purified/highly purified water, and a soft, clean, and lint-free cloth and/or filtered air for drying, respectively.

Manual Procedure after Pre-treatment:

Manual Cleaning

1. Soak the instruments for the given soaking time in the cleaning solution (e.g. ID 212 forte, 2% for 5 Minutes; by the use of a ultrasonic bath) so that the instruments are sufficiently covered. Pay attention that there is no contact between the instruments. Assist cleaning by careful brushing with a soft brush (at least three times after at beginning of soaking, aids see chapter "Specific aspects").
2. Then activate ultrasonic treatment for an additional soaking time (but not less than 15 min).
3. Then, remove the instruments of the cleaning solution and post-rinse them at least three times intensively (at least 1 min) with water.
4. Check the instruments (see chapters „check„ and „maintenance„).

Manual Disinfection

5. Soak the instruments for the given soaking time in the disinfectant solution (e.g. ID 212 forte, 2% for 1 Minutes; by the use of a ultrasonic bath) so that the instruments are sufficiently covered. Pay attention that there is no contact between the instruments.
6. Then, remove the instruments of the disinfectant solution and post-rinse them at least five times intensively (at least 1 min) with water.
7. Dry and pack the instruments immediately after the removal (see chapter „packaging„, if necessary, after additional post-drying at a clean place).

The fundamental suitability of the instruments for an effective cleaning and disinfection was demonstrated by an independent, governmentally accredited and recognized (§ 15 (5) MPG) test laboratory by application of the pre- cleaning and cleaning detergent and the disinfectant ID 212 forte (Dürr Dental SE, Bietigheim-Bissingen) considering the specified procedure.

Check
Check all instruments after cleaning or cleaning/disinfection, respectively, on corrosion, damaged surfaces, and impurities. Do not further use damaged instruments (for limitation of the numbers of re-use cycles see chapter „reusability„). Still dirty instruments or instruments with visible residuals (under regular light conditions) are to be cleaned and disinfected again.

Maintenance
Instrument oils or grease must not be use except for steel instruments. In that case use only instrument oils (white oil) admitted to steam sterilization considering the maximum possible sterilization temperature, with approved biocompatibility and without mono-, di, or triethanolamine as corrosion inhibitor.

Packaging
Please insert the cleaned and disinfected instruments in the corresponding bur blocks (if required) and pack them in single-use sterilization pakkaging (single or double packaging), which fulfill the following requirements (material/process):

› EN ISO/ANSI AAMI ISO 11607 (for USA: FDA clearance)
› suitable for steam sterilization (temperature resistance up to at least 142 °C (288 °F), sufficient-steam permeability)
› sufficient protection of the instruments as well as of the sterilization packaging to mechanical damage

Sterilization
Please use for sterilization only the listed sterilization procedures; other sterilization procedures must not be applied.

Sterilization time (exposure time at the sterilization temperature):

- Fractionated pre-vacuum (type B)
- Sterilization temperature 134 °C
- Hold time: at least 5 minutes (full cycle)
- Drying time: at least 10 minutes

In order to prevent staining and corrosion, the steam must be free of particles. Make sure not to exceed the maximum capacity of the sterilizer when sterilizing several instruments and follow the instructions of the device manufacturers

[1] at least three vacuum steps
[2] The less effective gravity displacement procedure must not be used.
[3] The effectively required drying time depends directly on parameters in sole responsibility of the user, (load configuration and density, sterili zer conditions etc.) and this to be determined by the user.

The fundamental suitability of the instruments for an effective steam sterilization was demonstrated by an independent, governmentally accredited

and recognized (§ 15 (5) MPG) test laboratory by application of the steam sterilizer EHS 3870 (Tuttnauer, Breda Netherlands) and the fractionated vacuum/dynamic air removal procedure. For this, typical conditions in clinic and doctor´s practice as well as the specified procedure were considered.

The flash/immediate use sterilization procedure must not be used. Do not use dry heat sterilization, radiation sterilization, formaldehyde, and ethylene oxide sterilization, as well as plasma sterilization.

Storage
Please store the instruments after sterilization in the sterilization packaging's at a dry and dust-free place.

Material resistance
Please take care that the listed substances are not ingredients of the cleaning or disinfection detergent:
› organic, mineral, and oxidizing acids (minimum admitted pH-value 5.5)
› strong lyes (maximum admitted pH-value 11, neutral/enzymatic or alkaline cleaner recommended)[6]
› organic solvents (for example: acetone, ether, alcohol, benzine)
› oxidizing agents (for example: hydrogen, peroxide)
› halogens (chlorine, iodine, bromine)
› aromatic, halogenated hydrocarbons

Please do not clean any instruments and bur blocks by use of metal brushes or steel wool.

[4] For the bur blocks alkaline cleaners mast not applied (maximum admitted pH-value 9).
Please do not expose any instruments and bur blocks to temperatures higher than 142 °C (288 °F)!
Please do not apply acidic neutralizing agents or cleaning aids.

Reusability
The instruments can be reused – in case of adequate care and if they are undamaged and clean as indicated in chapter "Specific aspects". The user is responsible for each further use as well as for the use of damaged and dirty instruments (no liability in case of disregard).

Safety and Reprocessing
The existing JOTA safety and reprocessing instructions are based on validated procedures established for human medical applications and may serve as a technical reference for veterinary use. Their suitability for veterinary applications has not been separately validated by JOTA.

Veterinary professionals are responsible for ensuring appropriate hygiene, reprocessing and infection prevention measures, including compliance with applicable animal disease control requirements.

Instruments used on animals must not subsequently be used on humans and must be reprocessed separately from instruments intended for human use.

Instrument group	brush	specific/additional procedure in case of						maximum admitted cycle number (confirmed by validation, but dependent on specific application)	recommended classification according to KRINKO/RKI/BfArM guidance (only German, with respect to intended use)
		pretreatment	manual cleaning/ disinfection	automated cleaning/ disinfection	maintenance	packing	sterilization		
stainless steel instruments	standard	standard	standard	standard	lubrication not admitted	standard	standard	10	critical B
regular steel instruments	standard	standard	standard	standard	lubrication recommended	standard	standard	10	critical B
silicone polisher	standard	standard	standard	standard	lubrication not admitted	standard	standard	5	critical B
endodontic instruments without stopper	endodontic brush	standard	standard	standard	lubrication not admitted	use of bur blocks not admitted	use of bur blocks not admitted	10	critical B
endodontic instruments with stopper	endodontic brush	mounted	mounted move the stopper at least three times during disinfection	mounted	lubrication not admitted	use of bur blocks not admitted	use of bur blocks not admitted	10	critical B
all other instruments	standard	standard	standard	standard	lubrication not admitted	standard	standard	10	critical B

General application and safety instructions
for the medical device from Jota AG
Issued: January 2017

- Jota AG products (dental, maxillary surgery, general surgery,) must only be used by dentists, doctors and/or the respective experts who, due to their training and experience, are intensely familiar with the use of these products and who have the corresponding expertise in the respective specialist fields. The use of surgical products requires relevant expertise and experience in dental implantology, maxillary surgery and/or other surgical fields including diagnosis, preoperative planning and surgical techniques.
- It is the sole responsibility of the doctor in charge who, depending on the respective situation (indication), decides on the actual use of the Jota AG products for each individual case
- All JOTA AG products have been developed for specific applications. Therefore, inappropriate use can result in the premature wear and tear of the products and put patients and users at risk.

Application
- In order to avoid damaging the instruments, they must be removed from the blister pack by pulling off the back-sheet.
- It is essential to only use turbines as well as hand and angle pieces that are technicaly and hygienically faultless, maintained and cleaned.
- The instruments must be rotating when applied on material. They should not be placed on material and then brought to rotation.
- Rotating instruments need to be clamped as far down as possible with their speed set before applying them on the object.
- Using the instruments for canting or leveraging should be avoided as it increases the risk of breakage.
- Depending on the application, it is recommended to use protective goggles while using the instruments. Users of diamond disks should use a disk protection device.
- Inappropriate use of the products leads to badly executed work and increased risk.
- When working with dry materials, it is recommended to use a suction cleaning device.
- In particular,users of hand tools should take care to use them gently and with consideration.
- The user must at all times avoid touching the instruments and parts without protection (protective gloves should be worn).
- Thermal bone damage caused by rotating and oscillating tools (e.g. pilot burr, conical burr, expansion burr) must at all times be avoided (user training, working at low speed and with sufficient cooling).
- During intraoral application attention has to be made to the fact that the products are protected against aspiration or falling on the floor.

Use of pressure
- Users of the instruments should at all times avoid applying excessive pressure. This can damage the working part of the instruments and cause the cutting edges to break off. At the same time,it generates excessive heat.
- The use of excessive pressure when using grinding tools can cause the abrasive particles to break off or the instrument to become clogged and lead to heat generation.
- During polishing, excess pressure can lead to heat generation.
- Due to overheating, excess pressure can damage the dental pulp or, due to broken off cutting edges, it can result in undesired rough surfaces. In such cases, even instrument breakage cannot be excluded.

Cooling
- In order to avoid excessive heat generation during preparation, a sterilewater/sodium chloride solution supplied via a permanent external feeding device should be used to ensure sufficient cooling during use of the instruments.
- When using FG instruments that are more than 22 mm long or whose head diameter exceeds 2 mm, additional external cooling is required.
- Insufficient cooling will lead to irreversible damage to the bone and/or the adjacent tissue.

Storage, disinfection, cleaning and sterilization
- Unless there is explicit information to the contrary, all Jota AG products are supplied in non-sterile packaging and, depending on the application, they need to be sterilised prior to use. Prior to their first use on the patient and immediately after each use, all products need to be disinfected and sterilised. Inappropriate cleaning and sterilising of the instruments can result in the patient being infected with harmful bacteria.
- You will find detailed instructions for the disinfecting, cleaning and sterilising of products in the Instructions for the processing of instruments produced by Jota AG on the previous page. We would also be happy to provide you with these instructions at your request. They are also available on the internet at www.jota.ch.
- The products should be stored in appropriate, hygienically maintained containers. The same applies to sterilised instruments. The stored products must be protected from dust, humidity and recontamination. Instructions as to maximum storage duration must be adhered to.

Speed recommendations for rotary instruments

› Following the instrument-specific speed recommendations produces the best results.
› Exceeding the maximum admissible speed (rpm) when using long and pointed instruments tends to produce vibrations that can lead to the destruction of the instrument.
› When using working parts with diameters exceeding the thickness of the shaft, excessive speed can release great centrifugal forces that may cause the shaft to bend and/or the instrument to break. Therefore, the maximum admissible rpm must never be exceeded.
› Please consult the manufacturer's information (see catalogue or www.jota.ch) for the recommended and the maximum admissible speed ranges. Non-compliance with the maximum admissible speed puts safety at risk.
› Generally, the following rules apply:
– The larger the working part of an instrument the lower the speed
– Surgical instruments: suitable for geared down micro-motor hand and angle pieces 10:1 with stable ball bearings. Speed 600 to 800 rpm with physical and, possibly, sterile external cooling or internal cooling when using the respective hand piece.

Discarding worn instruments and parts

› Jota AG products can principally be reused several times – unless specifically indicated and labelled otherwise. Rotating instruments are subject to wear. The option of and accountability for multiple use of a product and the frequency of application is solely the decision and own responsibility of the treating clinician based on the application in each case and the possible wear of the products. If in doubt, the products should always be sorted out early and replaced.
› Broken off cutting edges of instruments cause vibrations and great forces of pressure, which, in turn, leads to broken preparation corners and rough surfaces.
› Bare patches on diamond instruments indicate a lack of abrasive particles and can be a sign of blunt instruments. This leads to excessive temperatures during instrument use.
› Instruments that are bent and/or do not run true should be discarded forthwith.
› With the reuse of disposable products the risk of infection cannot be excluded and a risk-free functional safety cannot be guaranteed.

Additional instructions regarding use of trepans

› When using trepans, you have to proceed with particular care. For example, it is advisable not to exceed the recommended rpm speed ranges.
› In order to prepare for the actual use of a trepan, it should be set to produce counter-clockwise rotations creating a groove in the bone. Afterwards the trepan can be inserted into this groove and, using clockwise rotations, it can be moved further down.
› Carrying out a prior X-Ray is essential to establish the maximum possible drilling depth and to maintain the necessary distance, for example, to the mandibular nerve. As an additional safety measure to spare the nerve, the axial direction of the trepan countersink attachment, based on the sagittal level of the ascending branch, must be milled laterally at an angle of approx. 15-20°.



Further comments:

› Due to statutory regulations, returned goods can, on principle, only be accepted if the complete batch number is provided. This number can be found on the product packaging.

Regulatory and Safety Information:

› JOTA rotary instruments are also placed on the market as medical devices for human medical or dental use in accordance with Regulation (EU) 2017/745.

The CE marking refers to conformity with the applicable requirements for the human medical intended purpose and does not constitute certification of veterinary applications.

DE	Das Dokument in der jeweils aktuellsten und gültigen Version sowie in anderen Sprachen finden Sie auf unserer Webseite **www.JOTA.dental**.
EN	The document in other languages as well as the latest and applicable version you find on the website **www.JOTA.dental**.
FR	Vous trouverez les documents dans d'autres langues ainsi que la dernière version sur notre site **www.JOTA.dental**.
ES	Documentos en otras idiomas, así como también la versión más reciente encontrase en nuestra página web **www.JOTA.dental**.

SUBSCRIBE TO OUR CHANNELS

Play video

Follow

Like us

Connect

JOTA AG Rotary Instruments
Hirschensprungstrasse 2
CH-9465 Rüthi
+41 (0)71 767 79 99
info@jota.ch
jota.dental

Alle Rechte vorbehalten. Nachdruck, auch auszugsweise, sind nur mit schriftlicher Genehmigung der JOTA AG, Rüthi, zulässig. Es gelten unsere „Allgemeinen Verkaufs- & Lieferbedingungen". Programm- und Konstruktionsänderungen, sowie Abweichungen der tatsächlichen Ausführungen von den Abbildungen und Angaben bleiben vorbehalten.

All rights reserved. Reproduction, also by extract, are only permitted with written authorization of JOTA AG, Rüthi. All offers, orders and deliveries are subject to our „General Sales and Delivery Terms". We reserve the right to modify our range of products and their design as well as to deviate from the illustrations and data shown.

Tous droits réservés. Toute reproduction, même partielle, est seulement permise sur autorisation écrite de JOTA AG, Rüthi. Toutes nos offres, commandes et livraisons sont soumises à nos „conditions générales de vente et de livraison." Nous nous réservons le droit de modifier la gamme de nos produits et leur présentation autant pour différer des illustrations que des données qui sont présentées.

Todos los derechos reservados. La reproducción o extracción, son solo permitidos mediante la autorización escrita de JOTA AG, Rüthi. Todas las ofertas, ordenes y despachos se encuentran sujetas a nuestros „Términos Generales de Ventas y despachos". Nosotros nos reservamos el derecho a modificiar nuestro rango de productos y sus diseños asi como para desviarse e los ejemplos y de los datos mostrados.

108002.5950.0120 / 10.2026