

Drilling Instruments

Instruction for Use

ENGLISH

IMPORTANT PRODUCTINFORMATION! PLEASE READ CAREFULLY BEFORE EACH CLINICAL APPLICATION!



Anton Hipp GmbH Annastraße 25/1 78567 Fridingen an der Donau Tel. +49 7463 / 993030 E-Mail info@anton-hipp.de

Internet www.anton-hipp.com

Dear customer!

With your purchase, you will receive a high-quality product, the proper use of which is described in the following. In order to minimize hazards for patients and users, we ask you tu carefully read an oberve the instruction für use.

Anton Hipp GmbH also offers user training for our systems color coding, which the system displays. and products. Please contact your direct distributor or contact us

DESCRIPTION

(osteosynthesis) when using bone screws without self- available motor systems. The compatibility does drilling function. The drilling instruments are color-coded to show the user which drills to use for which screw system. The choice of the respective drill and thus also of the respective screw is made by the treating surgeon.

MATERIALS

Stainless steel according to DIN EN ISO 7153-1

INTENDED USE / INDICATION

Drilling instruments for predrilling when using bone screws in the following areas:

- MKG (Oral and Maxillofacial Surgery)
- Hand surgery
- Foot surgery

for fixation of bone screws and bone substitutes during reconstruction or osteosynthesis as well as for plate/mesh after drilling has been completed. The stabilization and rigid fixation in fractures.

CONTRAINDICATION

The products are contraindicated for all other uses APPLICATION AND SAFETY INSTRUCTIONS except for the techniques mentioned in the intended purpose / indication(s).

COMPLICATIONS / SIDE EFFECTS

After contact with the drilling instrument, hypersensitivity reactions can be triggered in a patient with material intolerance to stainless steel in the event of such a reaction, the the necessary steps taken.

potential complications / side effects such as breakage of the drill instrument and swallowing of components could be identified.



GENERAL WARNINGS

- appropriate screw length is to be determined.
- Hooking of the drilling instrument can cause even break the bearing.
- If an unbalance occurs, the drilling process Pretreatment must be carried out in both cases. must be stopped immediately. The defective Pretreatment drilling instrument must be replaced.
- Excessive application of force or axial forces or break.
- When using bone drills, ensure appropriate Mechanical cleaning/disinfection (WD) cooling to avoid heat damage and necrosis When selecting the WD, it is important to ensure - A maximum weight of 10 kg per package/content
- Improper sterilization as well as non-sterile that, handling can lead to serious health risks for the

ACCESSORIES / COMBINATION PRODUCTS

Depending on the connection, the drilling instruments are to be operated with the The drilling instruments are used for predrilling implants corresponding drilling machines or commercially not depend on the machine type but on the instrument receptacles.

Drilling instruments / drilling aids

Always use the shortest possible drill bit to ensure the best possible concentricity. It should be checked whether the drill connection and the drill are compatible. Basically, only work with drill sleeve or similar and at speeds of <= 1000 rpm. When drilling, ensure sufficient cooling with NACI to minimize the heat load on the bone. This is the only way to minimize the risk of bone demineralization

Denth gauge

Measurement of the screw length with the value displayed on the depth gauge corresponds to the screw length as indicated on the packaging.



The products must be checked for defects, cracks, nicks or other damage sorted out.



sterile condition and must be observed. completely cleaned, disinfected and Procedure:

STORAGE NOTICE



Drilling instruments must be stored other. before use in an environment that 2. Start the program. cleanliness. Dry atmosphere, no extreme the program. temperatures, no exposure to sunlight, 4. Check and pack the products as soon as possible USA ionized radiation and contaminated after removal.

EXCLUSION OF REUSABILITY



once must not be reused. The products

procedure must be discontinued immediately and instruments are not used clinically and are not contaminated in the operating room, they may be described above was taken into account. In the course of market monitoring, further used after reprocessing and sterilization.

CLEANING / DISINFECTION

Basics

If possible, a mechanical process (washerdisinfector) should be used for cleaning and must be repeated until the product is visually clean. mechanical process is mandatory for critical B (material/process): the contra-angle handpiece head to strike or products) due to the significantly lower effectiveness - DIN EN ISO/ANSI AAMI ISO 11607 (for USA: FDAand reproducibility.

Pretreatment is not required, as drills that have can lead to excessive loading as a result of which the drilling instruments can be damaged become contaminated must not be reused under any circumstances.

- that the WD basically has a tested effectiveness (e.g. DGHM or FDA approval/ clearance/ registration Defective, blunt or otherwise non-functional or CE marking according to DIN EN ISO 15883).
- tools must be disposed of and must not be that, if possible, a tested program for thermal disinfection (A0 value > 3000 or - in the case of older The identification of the screws and drills is done by devices - at least 5 min at 90 °C/194 °F) is used (in the disinfectant residues on the products).
 - that the program used is suitable for the products and contains sufficient rinsing cycles (at least three depleting steps after cleaning (or neutralization, if applied) or conductivity control recommended to effectively prevent detergent residues),
 - that only sterile or low-germ (max. 10 germs/ml) and low-endotoxin (max. 0.25 endotoxin units/ml) water (e.g. purified water/highly purified water) is used for rinsing.
 - that the air used for drying is filtered (oil-free, low in germs and particles) and
 - that the WD is regularly maintained, checked and

When selecting the cleaning agent system to be used, the following points must be observed,

- that this is basically suitable for cleaning invasive medical devices made of metals and plastics.
- FDA / EPA approval / clearance / registration or CE not permitted. marking) is also used and that this is compatible with the cleaning agent used and
- that the chemicals used are compatible with the products.

The concentrations, temperatures and exposure before use. Damaged products must be times specified by the manufacturer of the cleaning agent and, if applicable, the disinfectant, as well as The products are delivered in a non- the specifications for post-rinsing, must be strictly

sterilized by the user before first use. 1. Place the products in the washer-disinfector. Make sure that the products do not touch each

- maintains their packaging and 3. Remove the products from the WD at the end of

particles. To avoid corrosion, pay special attention to Proof of the basic suitability of the products for minimum 20 minutes the absence of chemicals in the immediate vicinity. effective manual cleaning and disinfection was

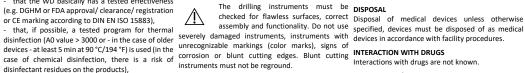
provided by an independent, officially accredited France Drilling instruments that have been used and recognized (§ 19 MPDG) test laboratory using minimum 5 minutes at 134 °C (273 °F) if required for the pre-cleaning and cleaning agent Cidezyme / prion inactivation Sterilization time 18 minutes are intended for single use only. If drilling Enzol and the disinfectant Cidex OPA (Johnson & Other Countries Johnson GmbH, Norderstedt). The procedure

FUNCTIONAL TESTING AND PACKAGING

The products must be checked for cleanliness and functionality after reprocessing and before sterilization. If necessary, the reprocessing process

disinfection. A manual process - also using an Please pack the products or the sterilization trays in • Depending on the use of the screw system, ultrasonic bath - should only be used if a mechanical sterilization containers or very large products in select the corresponding color-coded drill bit. process is not available or in accordance with single-use sterilization packaging (single or double • The drilling depth for the selection of the country-specific requirements (e.g. in Germany, a packaging) that meet the following requirements

- Clearance)
- suitable for steam sterilization (temperature resistance up to at least 138 °C (280 °F) sufficient steam permeability)
- Sufficient protection of the products or sterilization packaging against mechanical damage
- Regular maintenance in accordance with the manufacturer's specifications (sterilization container)
- of the sterilization container must not be exceeded. .

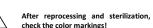












STERILIZATION

- that, if thermal disinfection is not used, a suitable Only the sterilization methods listed below may be disinfectant with tested efficacy (e.g. VAH / DGHM or used for sterilization; other sterilization methods are

Steam sterilization

- fractionated vacuum process (with sufficient
- Steam sterilizer according to DIN EN 13060/DIN EN 285 or ANSI AAMI ST79 (for USA: FDA-
- validated according to DIN EN ISO 17665 (valid IQ/OQ (picking) and product-specific performance assessment (PQ))
- maximum sterilization temperature 134 °C (273 °F; plus tolerance according to DIN EN ISO 17665)

Sterilization time (exposure time at the sterilization temperature):

Germany

minimum 5 minutes at 134 °C (273 °F)

minimum 4 minutes at 132 °C (270 °F), drying time

Anton Hipp recommends using new drilling

instruments for every procedure. To protect

against heat necrosis, always rinse cutting tools

Wear, use-related wear or accidental cutting in

metal (e.g. in tissue protection sleeves or metal

forceps) shorten the service life of the drilling

instruments. A binding statement on the

expected service life of drilling instruments can

Reuse of blunt or defective instruments may

cause necrosis due to excessive heat generation.

Drilling, milling with a defective drilling

instrument may be inaccurate and the

osteosynthesis correspondingly unsatisfactory.

Always carefully check the functionality of the

instruments after cleaning. If necessary, replace

instruments that are not in perfect working

Blunt drilling instruments must not be reground.

The products are made of high quality materials and

are subjected to quality control before delivery.

However, should any defects occur, please contact

our service department. However, we cannot

guarantee that the products are suitable for the

respective operation. This must be determined by

the user himself. We cannot accept any liability for

In case of damage due to improper storage

in case of non-observance of these instructions

handling, cleaning and / or sterilization

in case of faulty cleaning and sterilization

Interactions with drugs are not known.

DISCLAIMERS / WARRANTY

accidental or resulting damage.

Any product liability expires,

PRODUCT LIFE

order

with cooling liquid.

therefore not be made.

minimum 5 minutes at 132 °C (270 °F) / 134 °C (273



Non-steril

Manufacturer

Date of manifacture



SYMBOLIC

Do not reuse



Batch designation



Catalog number



Serial number



Store dry



Protect from sunlight



Prescription



Attention



Observe instruction for use



CE marking with number of the Notified Body



Medical product

