

20-100, 20-101, 20-120, 20-121, 20-130, 20-131

An orthodontic screw used as an intra oral anchorage post in orthodontic treatment for cases in which sufficient anchorage cannot be secured due to a serious loss of teeth or when it is difficult to be supported by an extra-oral device.

Materials:

Titanium Alloy

Performance and Purpose of Use

1. Performance:

A Titanium Alloy orthodontic screw with rounded thread to lower the failure rate. Gave a dish to suppress an excessive growth of the gingiva and simplified the form of the screw head to prevent contamination. Resists the orthodontic force applied by orthodontic elastomers and wires and should be removed after completion of the anchorage.

2. Purpose of Use:

The material is fixed on jaw bone or periodontal tissue, used as an anchor point in orthodontic treatments.

Instructions

1. Precautions

- a) Minimize the unnecessary surgical damages by fully understanding the anatomical structure of the implantation area.
- b) Screws should be autoclaved before use.
- c) Instruments should be autoclaved before use.
- d) Should be used only once for a stable implantation.
- e) Autoclave for 15 minutes at temperature over 121°C

2. Directions

- a) Determine the implant position depending on the treatment purpose.
- b) Check the condition of the bone tissue and soft tissue to be implanted and put under local anesthesia.
- c) Mark the implant position on soft tissue. An incision can be made by the dentist.
- d) Approx. 30° is appropriate for an implantation angle.
- e) Implant the screw vertically, approx. 1 mm towards the cortical bone.
- f) Check the implantation route with the screw being implanted.
- g) Navigate the route applying slight vertical force until the screw is approx. 1/2 implanted.
- h) When the screw is approx. 1/2 implanted, finish the implantation by using only the torque of the driver.

Cautions

- a) Should be operated by a specialist with thorough understanding of the instructions.
- b) Should check for any considerable exterior deformations, flaws or damages of the product before use.
- c) Should be careful not to reach the dental root during implantation.
- d) Should be used only once.
- e) An excessive vertical force on alveolar bone can cause bending of the screw and may lead to a fracture. Do not apply immoderate force.
- f) The maximum orthodontic force on screw should not exceed 300 ~ 350 g.
- g) The surrounding area of the screw should be maintained clean to prevent infection around the implanted area.
- h) Should not be used on patients with low bone quality (density) and disease such as diabetes.
- i) No limitation on sex and age of the patient.

Packaging Unit:

Mini aluminum case: 1 implant / PK. # 20-100, 20-101, 20-120, 20-121, 20-130, 20-131.

Storage:



Single Use Only



Caution, see instruction for use



Keep under room temperature

Notice:

Medical Device / Single-use

*Products with any noticeable deformations, flaws or damages will be exchanged.

International Orthodontic Services
12811 Capricorn St. Stafford, TX 77477 USA.
T: +1 (832) 342 9487 F: +1 (281) 340 4794
www.iosortho.com info@iosortho.com