

Instructions For Use

Multiple Use Drills - Short



Description Neoss Limited manufactures dental drills and surgical instruments in stainless steel.

Indications Neoss drills and surgical instruments are used for sole placement of Neoss implants.

Contraindications Treatment is contraindicated where the patient has a preexisting allergy to the used parts. Use of drills and instruments with other than Neoss products is contraindicated.

Procedures This Instructions For Use (IFU) is for short multiple use drills. For detailed information on the other specific Neoss Implant System products you are using, please consult the manual, Neoss Implant System Guidelines (10501) and translated versions.

The surgical procedure may entail a range of procedures including minimally invasive surgery and raising a full thickness flap, exposing the bone in the proposed site. A series of increasing diameter drills are used to enlarge the osteotomy for implant placement – this may involve the use of countersinks and screw taps depending on individual preferences and/or the bone quality.

The positions of the implant sites are determined using a round bur, lance drill or 2.2mm twist drill. Incremental site preparation is carried out as recommended in the Neoss Implant System Drilling Guide in the Neoss Implant System Guidelines (10501).

All preparation of the bone tissue is carried out under profuse irrigation with saline and using an intermittent drilling technique. This prevents overheating bone and creates a pumping effect for efficient removal of bone debris.

Recommended speed for drills is 800–2000 rpm using lower speed for larger drills, 800 rpm for countersinks and 20 rpm for screw taps.

Please note the short multiple use drills are NOT compatible with Neoss Drill Stops.

Drill Depth Guide This guide shows an 11mm implant in relation to a twist drill and depth guide. Please note actual distance to drill tip is 0.8mm longer than the reference line.



Multiple Use Drills The drills are delivered in a sterile condition for immediate use. Please refer to the Cleaning and Sterilisation section in the Neoss Implant System Guidelines (10501) for re-sterilisation and cleaning recommendations when required.

The drills can be placed in sterile solution (saline) during surgery if the drills are used for more than one preparation. Ensure sterile handling during preparation and surgery.

Please note instruments that are re-sterilized may not perform as intended by the manufacturer. It is the users' responsibility to ensure that instruments have not become damaged or worn resulting in decreased performance during cleaning, re-sterilization and handling.

General Precautions Surgical products used to achieve and maintain osseointegration should be utilized by persons trained in this method. Such training is offered at a number of centers. Please contact the manufacturer for information. Pre-operative hard tissue or soft tissue deficits may result in a compromised esthetic outcome or unfavorable implant angulation. Pre-operative patient evaluation and close cooperation between surgeon, restorative dentist and dental laboratory technician is essential for success.

Procedural Precautions Because of the small size of prosthetic components, care must be taken that they are not swallowed or aspirated by the patient.

Adverse Effects Implant techniques have normal contraindications and risks. These are extensively documented in the dental literature. Incorrect clinical placement or loading resulting in loss of implant anchorage or loss of the prosthesis are possible events after surgery. Lack of bone quantity or quality, infections, poor patient hygiene or cooperation, and general diseases are some potential causes for loss of anchorage and function.

Sterility All drills are supplied sterile with a given expiry date as indicated by the packaging. For re-sterilization please refer to the Neoss Implant System Guidelines (10501).

Caution Federal (USA) law restricts the sale of this device to or on the order of a licensed physician or dentist.