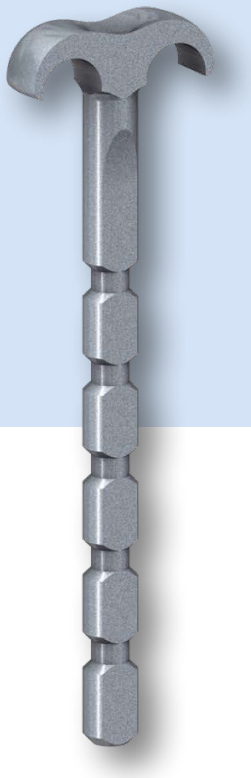
ProductInformation



Luxator | **MaxilloPrep**

System for gentle extraction of teeth and dental roots

An extraction of a tooth or a dental root is usually required in cases of fractured or deeply destroyed teeth. If the tooth cannot be saved with restorative treatments, the tooth or tooth root has to be extracted. Conventional methods may involve excessive forces being applied, which inevitably poses a risk of traumatising the surrounding tissue and damaging the alveolar bone. In such cases, it would not be possible to insert an implant immediately after the extraction to replace the lost tooth.

The Luxator system, which is part of the MaxilloPrep product family suggested by Dr. Stefan Neumeyer, enables a gentle extraction without damaging the alveolar bone. With the Luxator system, a tooth is extracted over a longer period of time, i.e. approximately one week. During this time, a constant extraction force is applied to the tooth or root to be removed, which causes the tissue to gradually loosen and release the tooth. This force is, however, not strong enough to allow an immediate extraction but needs to be applied over a period of a few days.

The method is similar to that of a reconstruction by means of a root post. First of all, a perforation in the root canal is created to receive the post-shaped tie-rod. The tie-rod is then cemented in the previously prepared perforation. Next, a bar is fixed onto the neighbouring teeth with composite. The tie-rod and the bar are then connected with a dental elastic. To this end, seize the dental elastic, fix to the tie-rod, guide over and across the bar and attach to the opposite side of the tie-rod. The tensile force can be increased, if required, by replacing the existing dental elastic with a shorter one after a few days. Once the tooth has loosened, the dentists can easily extract it with only little traction.

Advantages at a glance:

- Gentle removal of teeth or dental roots
- Non-traumatic treatment
- Conservation of the alveolar bone
- Perfectly matched system components

Recommendations for use

- The canal is shaped with a spiral drill at a speed of ↻opt. 1 500 rpm, minimum depth: 6 mm
- Shorten the post-shaped tie-rod to the required length, if necessary. The tie-rod is provided with grooves for orientation placed in intervals of 2 mm.
- Insert the tie-rod in the root canal with zinc phosphate cement.
- Shorten the bar to the required length and attach to neighbouring teeth with composite. Make sure that the bar is fixed to the adjacent teeth along a distance of at least 3 mm.

- Seize the dental elastic with tweezers, fix to the tie-rod, guide over and across the bar and attach to the opposite side of the tie-rod.
- The tensile force can be increased, if required, by replacing the existing dental elastic with a shorter one.
- After about 1 week, the dental root has loosed enough to be extracted.

Instruments:

9137.204.013 Spiral drill Ø 1.35 mm
Stainless steel
↻max. 20 000 rpm ↻opt. 1 500 rpm

544L15 Post-shaped tie-rod, pure titanium

547 Bar made of pure titanium

9932.032 **9932**.048 **9932**.064
O-rings serving as dental elastics for the tie-rod

Kit 4595

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