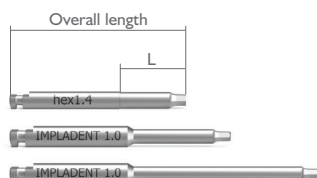
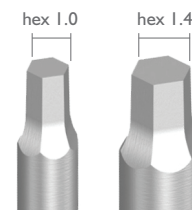


Guide to screwdrivers and tightening torques

Screwdrivers

The IMPLADENT implant system features two main groups of fixing screws – the abutment screws and the bridge screws. For tightening of the abutment screws (as well as implant cover screws, gingiva formers and other components) use IMPLADENT screwdriver **hex 1.4**. To handle bridge screws which fit to abutments for screw retained restorations use IMPLADENT screwdriver **hex 1.0**.



Screwdrivers

Hex Screwdriver mechanical, hex 1.4/L9	8224.3
Screwdriver – short, hex 1.0/ISO/L11	1417.11
Screwdriver – long, hex 1.0/ISO/L21	1417.21

When using the screwdrivers, the Unigrip universal insertion wrench (Ref. No. 2459.00) must be used as an adapter for the ratchet (Ref. No. 2408.00).

The overall length of the hex 1.4 screwdriver is 24 mm. The overall length of the hex 1.0 screwdriver is 25 mm for the short version and 35 mm for the long version.

Insertion wrench – ratchet adapter

Unigrip, hex 2.5/ISO/L16	2459.00
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Unigrip allows the use of screwdrivers, insertion wrenches and explanation wrench with ratchet (Ref. No. 2408.00). Unigrip allows insertion of ball attachments.



To ensure that the implant-abutment interface is truly tight and to prevent loosening of a crown, tighten the abutment screw with the ratchet. Abutment screw tightening torque is generally 35 Ncm. Use a new abutment screw to fix the final restoration. Tightening torques for bridge screws and some other special components are different – see below.



Ratchet

Ratchet	2408.00
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When using the screwdrivers, the Unigrip universal insertion wrench (Ref. No. 2459.00) must be used as an adapter for the ratchet (Ref. No. 2408.00).

Tightening torque overview

Components	Instruments	Instruments Ref. No.	Tightening torque
Abutment screws	Hex 1.4 screwdriver	24224.3*, 4224.3*, 4024.3*, 8224.3	35 Ncm
PEEK temporary abutments	Hex 1.4 screwdriver	24224.3*, 4224.3*, 4024.3*, 8224.3	20 Ncm
Gingiva formers	Hex 1.4 screwdriver	24224.3*, 4224.3*, 4024.3*, 8224.3	5–10 Ncm**
Impression and laboratory components	Hex 1.4 screwdriver	24224.3*, 4224.3*, 4024.3*, 8224.3	5–10 Ncm**
Bridge screws and TS screws	Hex 1.0 screwdriver	44224.3*, 24024.3*, 1417.11, 1417.21	15 Ncm
Ball attachments	Unigrip	2459.00	35 Ncm
LOCATOR attachments	LOCATOR screwdriver	09999*, 08913	35 Ncm
Titanmagnetics attachments	Torque wrench insert	H.00.04.X2*, H.00.04.K2*	20 Ncm

* The product is no longer available.

** Light finger force using a screwdriver.

Screwdrivers with ISO lock

The IMPLADENT screwdrivers are connected to the adapters using an ISO lock. This is a standardized ISO connection for surgical handpieces that is also used by some other implant systems.



Use a new fixing screw to fix the final restoration.
Instruments are supplied in non-sterile packaging.