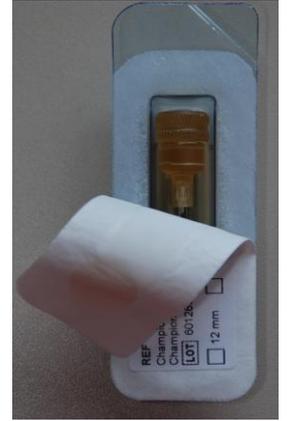


# CHAMPIONS®- Torque Wrench

Dear colleagues,

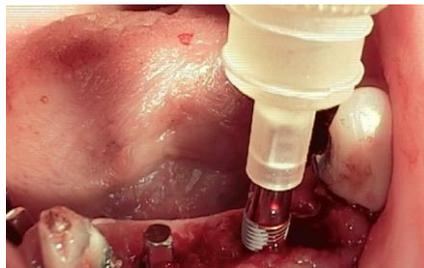
With the new Champions torque wrench, you can easily insert all Champions implants, both the Champions square-shaped implants (white package) and the tulips (yellow package).



With the "integrated insertion aid", attached to the Champions implant that is ready for delivery, the first part of the implant thread can be inserted manually without contacting the sterile implant and without the need to reset the insertion aid.



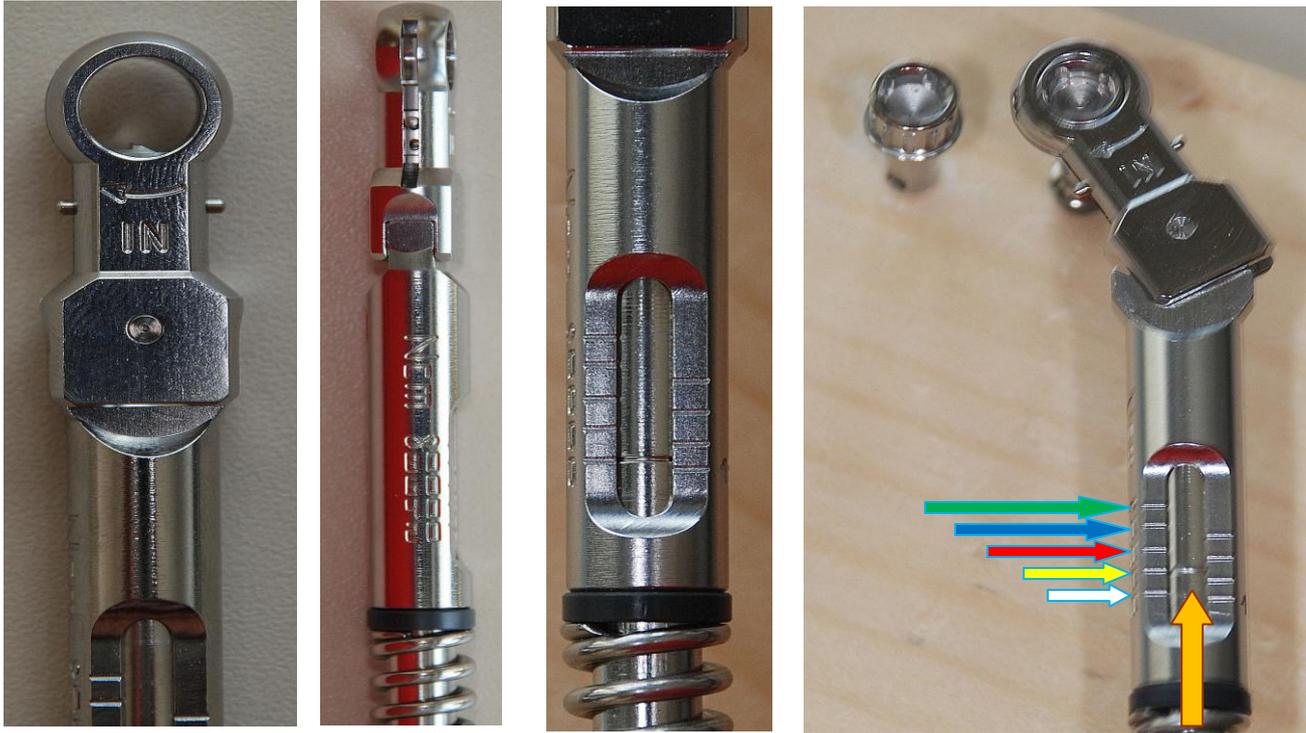
If you are not able to insert the implant any further (about 20 Ncm), take off this insertion aid. Instead of this one, set the metal insertion aid on the implant. Then, set the torque wrench on the metal insertion aid. (Proceed step-by-step. Do not set both the insertion aid and the torque wrench on the implant at the same time!) Make sure not to hold the insertion aid on the end but "on the front" instead (in order to avoid movements of the implant). In addition, please note: do not turn in the implant  $\frac{1}{4}$  or  $\frac{1}{2}$  rotations, but proceed rather in small steps, e.g. turn it in  $\frac{1}{8}$  rotations... Check sometimes how many Ncm are reached (hold the arm on the back for bending the wrench). See also next page!!



By supporting the torque wrench well with your hands, you can avoid tilting the wrench in the mouth. Please take a look at the indication between the marks! In this way, you can see which torque is applied when performing the implantation. See next page!



When performing the implantation, you should read the "IN" from above.



Please take a look at the indications **on the left side** of the torque wrench – you can see the following values:

**20 – 40 – 60 – 80 – endless** (from the bottom to the top)

First, adjust the torque wrench at a torque of 20 Ncm (you can adjust the torque with the small wheel at the bottom end of the wrench). While inserting the implants, **observe the movement of the line in the middle of the indication!**

**Preferably**, a "Champion" implant should be inserted at a torque from 40 – 60 Ncm! A torque of at least 40 Ncm should be reached in order to ensure immediate loading. **The Champion should be inserted with a maximum torque of 70 Ncm!**

**BUT PLEASE NOTE:** It is like the gears in a car, where you cannot shift from the 1st to 4th gear!

→ For instance, if the torque wrench bends at 40 Ncm, you must turn the small wheel at the end of the wrench to adjust it to a torque of 40 Ncm so that the indication can eventually move to 60 Ncm!!!!!!

If a torque of 60 Ncm is reached (torque wrench bends at 60 Ncm), please turn the small wheel at the end of the middle line to adjust the wrench to a torque of 60 Ncm etc. Then, the indication can move up to 70 / 80 Ncm.

**The indication does not move from 20 to 70 Ncm without turning the wheel on the bottom!**

**PLEASE NOTE: If a torque above 60 Ncm is reached**, there are two possibilities (tulip heads can break at approximately 80 Ncm, and Champions-threads or square-shaped implant heads can break at 100- 120 Ncm): When a torque of over 60 Ncm is reached, please turn out the implant completely. Widen the bone cavity with the black drill. Then, you should eventually continue to widen the bone cavity with the following drills, depending on the implant diameter: the white drill is to be used for all 3.5 mm - diameter Champions implants and the 2-mm twist drill for all 3.0 mm-diameter ones.

If you have to insert the implant further in the remaining bone cavity depth of just about 2 mm: after four small clicks (one click corresponds to 1/8 torque rotation), take out the implant (turn around the torque wrench from the metal insertion aid so that you see "OUT" instead of "IN"). Then, insert the Champions implant again after five to six clicks! Repeat this procedure if the bone cavity you have pre-drilled is deep enough!

**If you do NOT reach the 40 Ncm** with the 3.5 mm - diameter – Champion (or the 3.0 - diameter implant) → Check the basic rules...