

Healed Site Implant Placement Chart for Maximum Success Rate

Start with 557 high speed surgical length with irrigation

Twist Drills and Final Drills at 100 RPM without irrigation

Last Drill(s) recommendations

Drill to 1mm deeper than Implant length

(except for 2.5 implants in D4 soft bone - drill to half the length of the implant)

Note: for most implants there is a 2nd drill which is wider and is advanced only a few mm deep to assist in opening of the cortical plate

D1 - Hard Bone (can be white)

Use Extra Caution!

Implant	Last Drill(s) Diam. (Depth mm)
2.5 x 10	2.0 (11), 2.9 (2)
2.5 x 12	2.0 (13), 2.9 (2)
2.5 x 14	2.0 (15), 2.9 (2)
3.1 x 10	2.7 (11), 2.9 (2)
3.1 x 12	2.7 (13), 2.9 (2)
3.1 x 14	2.7 (15), 2.9 (2)
3.5 x 8	2.9 (9), 3.2 (3)
3.5 x 10	2.9 (11), 3.2 (5)
3.5 x 12	2.9 (13), 3.2 (7)
3.5 x 14	Don't Place!
4.3 x 6	3.9 (7)
4.3 x 8	3.9 (9)
4.3 x 10	3.9 (11), 4.2 (2)
4.3 x 12	3.9 (13), 4.2 (4)
4.3 x 14	Don't Place!
5.0 x 6	4.7 (7)
5.0 x 8	4.7 (9), 5.6 (3)
5.0 x 10	Don't Place!
5.0 x 12	Don't Place!
6.5 x 7	Don't Place!
6.5 x 8	Don't Place!

• Goal - implant at 25 Ncm

D2 - Medium Bone

Use same size Trial Implants

Implant	Last Drill(s) Diam. (Depth mm)
2.5 x 10	2.0 (11), 2.9 (2)
2.5 x 12	2.0 (13), 2.9 (2)
2.5 x 14	2.0 (15), 2.9 (2)
3.1 x 10	2.7 (11), 2.9 (2)
3.1 x 12	2.7 (13), 2.9 (2)
3.1 x 14	2.7 (15), 2.9 (2)
3.5 x 8	2.9 (9)
3.5 x 10	2.9 (11)
3.5 x 12	2.9 (13), 3.2 (2)
3.5 x 14	2.9 (15), 3.2 (4)
4.3 x 6	3.5 (7)
4.3 x 8	3.5 (9), 3.9 (2)
4.3 x 10	3.5 (11), 3.9 (4)
4.3 x 12	3.5 (13), 3.9 (6)
4.3 x 14	3.5 (15), 3.9 (8)
5.0 x 6	4.2 (7)
5.0 x 8	4.2 (9), 4.7 (3)
5.0 x 10	4.2 (11), 4.7 (5)
5.0 x 12	4.2 (13), 4.7 (7)
6.5 x 7	5.6 (8), 6.0 (3)
6.5 x 8	Don't Place!

• Goal - implant placement at 35-45 Ncm

D4 Soft Bone

Use narrower Trial Implants!

Implant	Last Drill(s) Diam. (Depth mm)
2.5 x 10	1.5 *(5)*, 2.7 (2)
2.5 x 12	1.5 *(6)*, 2.7 (2)
2.5 x 14	1.5 *(7)*, 2.7 (2)
3.1 x 10	1.5 (11), 2.7 (2)
3.1 x 12	1.5 (13), 2.7 (2)
3.1 x 14	1.5 (15), 2.7 (2)
3.5 x 8	2.0 (9), 2.7 (2)
3.5 x 10	2.0 (11), 2.7 (2)
3.5 x 12	2.0 (13), 2.7 (2)
3.5 x 14	2.0 (15), 2.7 (2)
4.3 x 6	2.7 (7), 3.5 (2)
4.3 x 8	2.7 (9), 3.5 (2)
4.3 x 10	2.7 (11), 3.5 (2)
4.3 x 12	2.7 (13), 3.5 (2)
4.3 x 14	2.7 (15), 3.5 (2)
5.0 x 6	2.9 (7), 4.2 (2)
5.0 x 8	2.9 (9), 4.2 (2)
5.0 x 10	2.9 (11), 4.2 (2)
5.0 x 12	2.9 (13), 4.2 (2)
6.5 x 7	5.6 (8), 6.0 (2)
6.5 x 8	5.6 (9), 6.0 (2)

• Do not ream or place Healing Abutment if torque on implant is <25 Ncm; if >25 can place Healing Abutment at 15 Ncm; if >35 can place temporary or permanent abutment

• Must always ream bone before placing Healing or any other Abutment. Ream at 100 RPM

• If you don't think reaming is necessary - implant is not placed deep enough

• Top of implant post = buccal margin of future crown. Deeper placement = better esthetics

• All Contoured, Prepable & Angled abutments placed at 25 Ncm