

RECOMMENDED DRILL PROTOCOL

Straight Drill Protocol

Drill Diameter [mm]		Ø1.9	Ø2.0	Ø2.8	Ø3.2	Ø3.65	Ø4.2	Ø5.2	ØCS 5-6
Drill Speed [RPM]		1200-1500	900-1200	800-1000	500-700	400-700	400-600	400-600	400-600
Ø3.3	Soft Bone	▼	→	▼					
	Hard Bone	▼	→	▼	→	▼	→ 1/3	▼	
Ø3.75	Soft Bone	▼	→	▼	→	▼			
	Hard Bone	▼	→	▼	→	▼	→ 2/3	▼	
Ø4.2	Soft Bone	▼	→	▼	→	▼	→ 2/3	▼	
	Hard Bone	▼	→	▼	→	▼	→ 1/3	▼	
Ø5.0	Soft Bone	▼	→	▼	→	▼	→ 1/3	▼	
	Hard Bone	▼	→	▼	→	▼	→ 1/3	▼	→ Ø5
Ø6.0	Soft Bone	▼	→	▼	→	▼	→ 1/3	▼	
	Hard Bone	▼	→	▼	→	▼	→ 1/3	▼	→ Ø6

Step Drill Protocol

Drill Diameter [mm]		Ø1.9	Ø2.0	Ø2.8	Ø3.2	Ø3.65	Ø4.2	Ø5.2	ØCS 5-6
Drill Speed [RPM]		1200-1500	900-1200	800-1000	500-700	400-700	400-600	400-600	400-600
Ø3.3	Soft Bone	▼	→	▼					
	Hard Bone	▼	→	▼	→ 2/3	▼			
Ø3.75	Soft Bone	▼	→	▼					
	Hard Bone	▼	→	▼	→	▼			
Ø4.2	Soft Bone	▼	→	▼	→	▼			
	Hard Bone	▼	→	▼	→	▼	→ 2/3	▼	
Ø5.0	Soft Bone	▼	→	▼	→	▼	→ 2/3	▼	
	Hard Bone	▼	→	▼	→	▼	→ 2/3	▼	→ Ø5
Ø6.0	Soft Bone	▼	→	▼	→	▼	→ 2/3	▼	
	Hard Bone	▼	→	▼	→	▼	→ 2/3	▼	→ Ø6

▼	Drill to mark osteotomy site	▼	Drill osteotomy to implant	▼	Drill osteotomy partially according to implant	▼	Drill with countersink to prepare the crest
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The recommended drill protocol procedure should not replace the dentist's/surgeon's judgment. The implants may be loaded for immediate function when good primary stability (above 35 Ncm) has been achieved and with appropriate occlusal loading.

IMPLANTS DRILLING PROTOCOL LEGEND

