

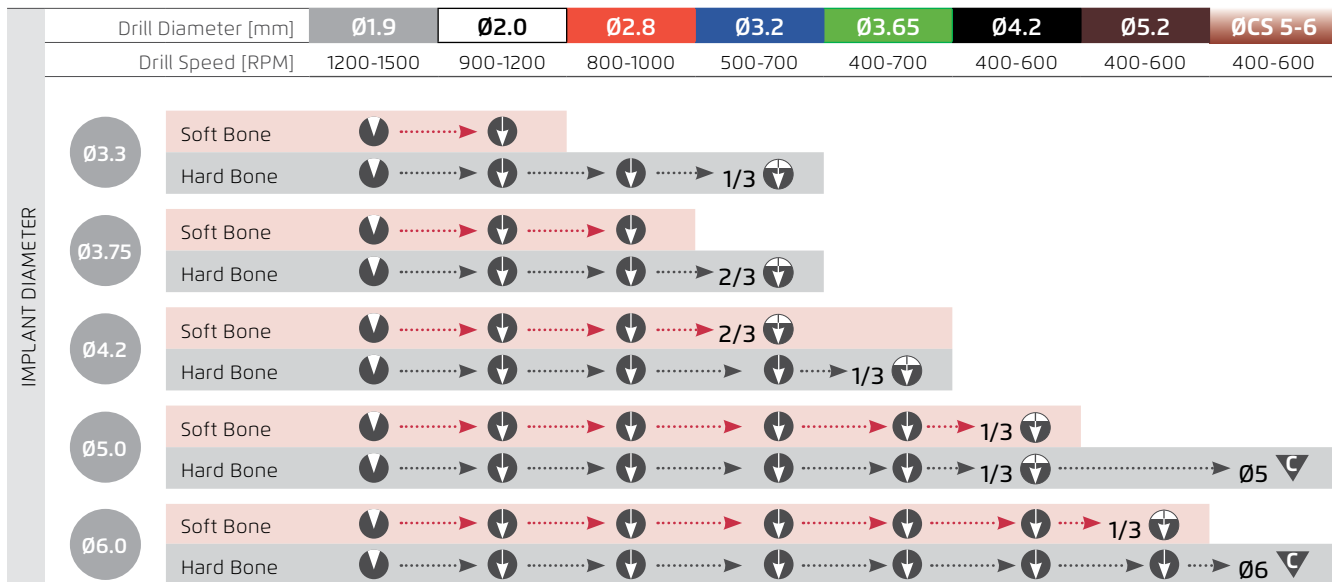


NORIS Medical[®]
Dental Implant Solutions

Recommended Drill Protocol



CLASSIC SERIES | TUFF™

RECOMMENDED STRAIGHT DRILL PROTOCOL



RECOMMENDED STEP DRILL PROTOCOL



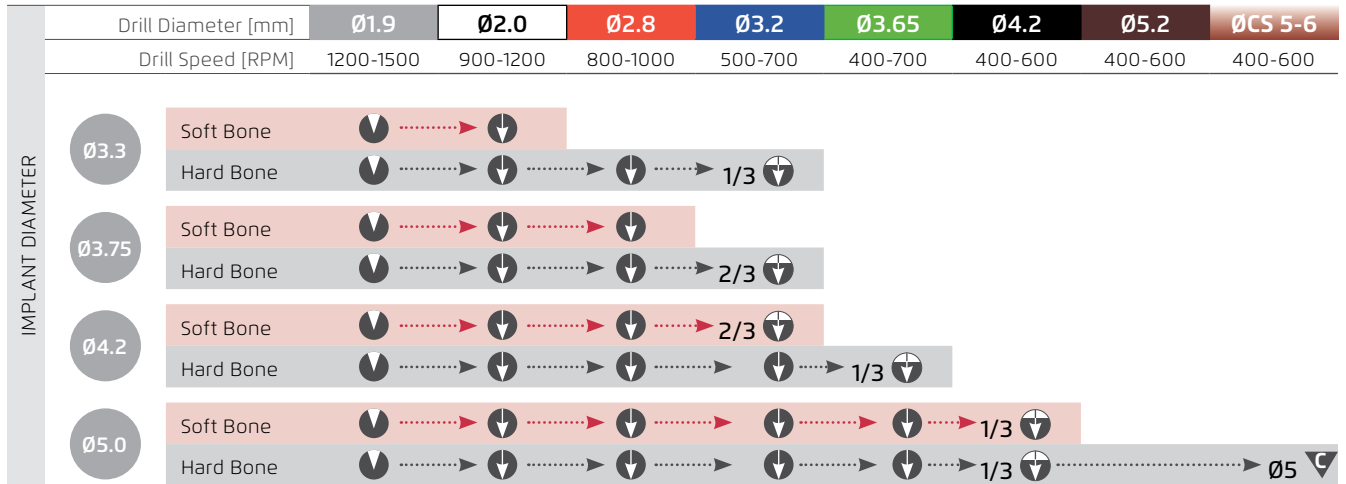
 Drill to mark osteotomy site	 Drill osteotomy to implant	 Drill osteotomy partially according to implant	 Drill with countersink to prepare the crest
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The recommended drill protocol procedure should not replace the dentist's/surgeon's judgment. The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

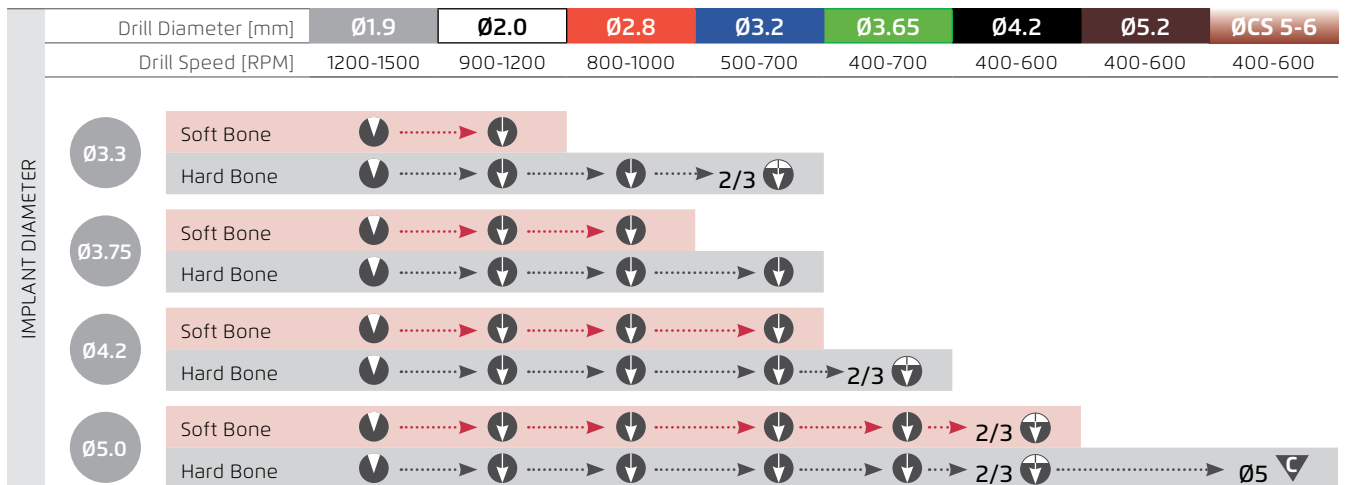


CLASSIC SERIES | TUFF PRO™

RECOMMENDED STRAIGHT DRILL PROTOCOL



RECOMMENDED STEP DRILL PROTOCOL



- ▼ Drill to mark osteotomy site
- ▼ Drill osteotomy to implant
- ▼ Drill osteotomy partially according to implant
- ◀ Drill with countersink to prepare the crest

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.



CLASSIC SERIES | TUFF TT™

RECOMMENDED 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	
IMPLANT DIAMETER	Ø4.2	Soft Bone	→				→	2/3		
		Hard Bone	→				→	1/3		
	Ø5.0	Soft Bone	→				→	1/3		
		Hard Bone	→				→	1/3		
	Ø6.0	Soft Bone	→				→	1/3		
		Hard Bone	→				→	1/3		

RECOMMENDED 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	
IMPLANT DIAMETER	Ø4.2	Soft Bone	→				→			
		Hard Bone	→				→	2/3		
	Ø5.0	Soft Bone	→				→	2/3		
		Hard Bone	→				→	2/3		
	Ø6.0	Soft Bone	→				→	2/3		
		Hard Bone	→				→	2/3		

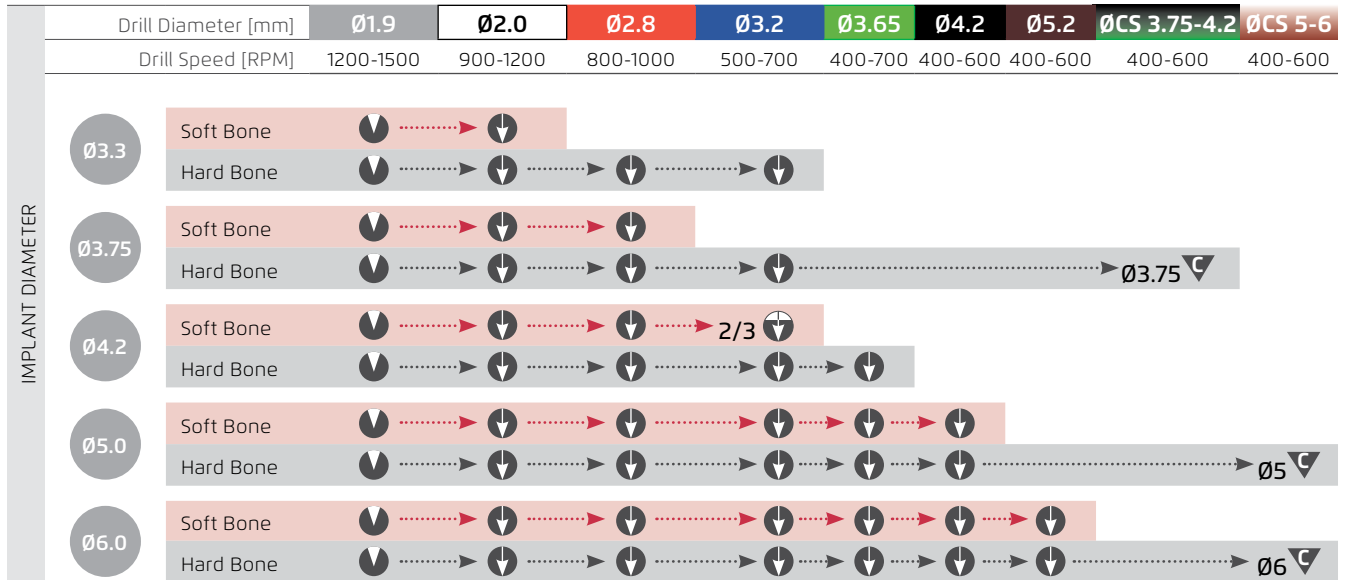
	Drill to mark osteotomy site		Drill osteotomy to implant		Drill osteotomy partially according to implant		Drill with countersink to prepare the crest
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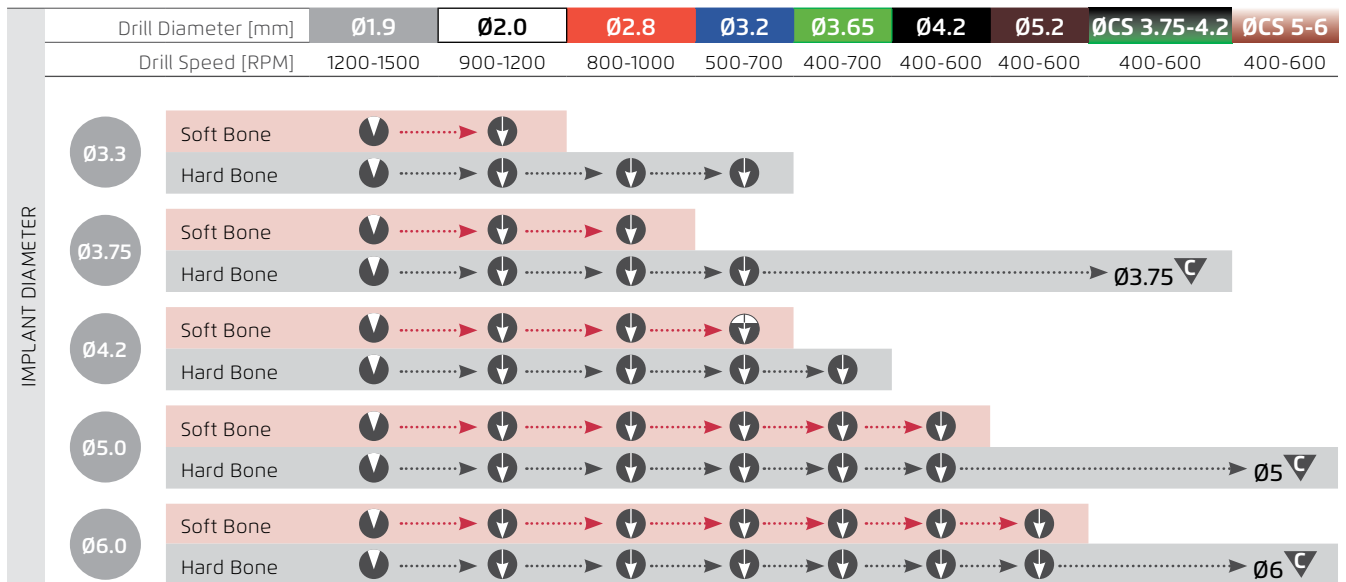


CLASSIC SERIES | ONYX™

RECOMMENDED STRAIGHT DRILL PROTOCOL



RECOMMENDED STEP DRILL PROTOCOL



	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.






CLASSIC SERIES | CORTICAL™

RECOMMENDED STRAIGHT DRILL PROTOCOL

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

RECOMMENDED STEP DRILL PROTOCOL

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

	Drill to mark osteotomy site		Drill osteotomy to implant		Drill osteotomy partially according to implant
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CLASSIC SERIES | S-IMPLANT™

RECOMMENDED STRAIGHT DRILL PROTOCOL

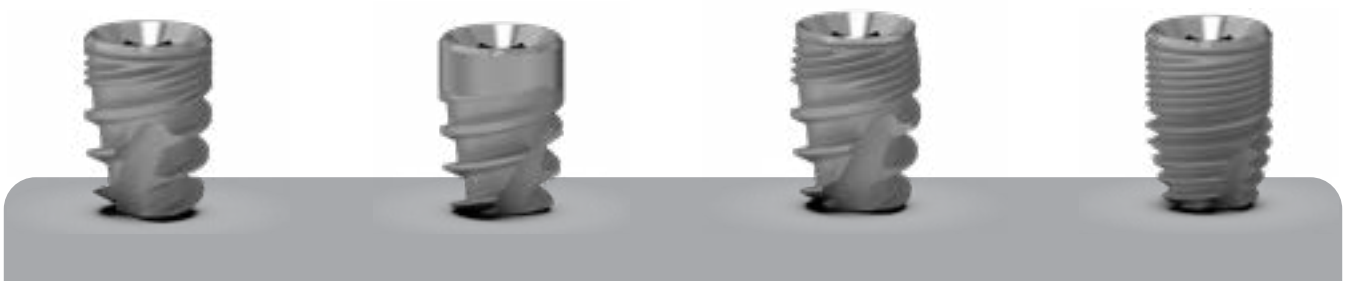
Drill Diameter [mm]		Ø1.9	Ø2.0	Ø2.8	Ø3.2	Ø3.65	Ø4.2	Ø5.2	ØCS 5-6	
Drill Speed [RPM]		1200-1500	900-1200	800-1000	500-700	400-700	400-600	400-600	400-600	
IMPLANT DIAMETER	Ø3.75	Soft Bone	▼	▼	▼					
		Hard Bone	▼	▼	▼	2/3	▼			
	Ø4.2	Soft Bone	▼	▼	▼	2/3	▼			
		Hard Bone	▼	▼	▼	▼	1/3	▼		
	Ø5.0	Soft Bone	▼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

RECOMMENDED 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	
IMPLANT DIAMETER	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	▼	▼	▼	▼	▼	▼	▼	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.





ONE-PIECE SERIES | MONO™

RECOMMENDED STRAIGHT DRILL PROTOCOL

Drill Diameter [mm]		Ø1.5	Ø2.0	Ø2.8	Ø3.2	Ø3.65
Drill Speed [RPM]		1200-1500	900-1200	800-1000	500-700	400-700
IMPLANT DIAMETER	Ø3.0	Soft Bone	↓ → 1/3 ↓			
		Hard Bone	↓ → 1/3 ↓			
	Ø3.3	Soft Bone	↓ → 2/3 ↓			
		Hard Bone	↓ → ↓			
	Ø3.75	Soft Bone	↓ → ↓			
		Hard Bone	↓ → ↓ → 1/3 ↓			
	Ø4.2	Soft Bone	↓ → ↓ → 2/3 ↓			
		Hard Bone	↓ → ↓ → 2/3 ↓ → 1/3 ↓			
	Ø5	Soft Bone	↓ → ↓ → 2/3 ↓ → 1/3 ↓			
		Hard Bone	↓ → ↓ → 2/3 ↓ → 2/3 ↓ → 1/3 ↓			

RECOMMENDED STEP DRILL PROTOCOL

Drill Diameter [mm]		Ø1.9	Ø2.0	Ø2.8	Ø3.2	Ø3.65
Drill Speed [RPM]		1200-1500	900-1200	800-1000	500-700	400-700
IMPLANT DIAMETER	Ø3.0	Soft Bone	↓			
		Hard Bone	↓ → 1/3 ↓			
	Ø3.3	Soft Bone	↓ → 1/3 ↓			
		Hard Bone	↓ → 2/3 ↓			
	Ø3.75	Soft Bone	↓ → 2/3 ↓			
		Hard Bone	↓ → ↓ → 1/3 ↓			
	Ø4.2	Soft Bone	↓ → ↓ → 2/3 ↓			
		Hard Bone	↓ → ↓ → 2/3 ↓ → 2/3 ↓			
	Ø5	Soft Bone	↓ → ↓ → 2/3 ↓ → 2/3 ↓			
		Hard Bone	↓ → ↓ → 2/3 ↓ → ↓ → 2/3 ↓			

	Drill to mark osteotomy site		Drill osteotomy to implant		Drill osteotomy partially according to implant
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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.






ONE-PIECE SERIES | MONO BENDABLE™

RECOMMENDED STRAIGHT DRILL PROTOCOL

Drill Diameter [mm]		Ø1.5	Ø2.0	Ø2.8	Ø3.2	Ø3.65
Drill Speed [RPM]		1200-1500	900-1200	800-1000	500-700	400-700
IMPLANT DIAMETER	Ø3.0	Soft Bone	↓ → 1/3 ↓			
		Hard Bone	↓ → 1/3 ↓			
	Ø3.3	Soft Bone	↓ → 2/3 ↓			
		Hard Bone	↓ → ↓			
	Ø3.75	Soft Bone	↓ → ↓			
		Hard Bone	↓ → ↓ → 1/3 ↓			
	Ø4.2	Soft Bone	↓ → ↓ → 2/3 ↓			
		Hard Bone	↓ → ↓ → 2/3 ↓ → 1/3 ↓			
	Ø5	Soft Bone	↓ → ↓ → 2/3 ↓ → 1/3 ↓			
		Hard Bone	↓ → ↓ → 2/3 ↓ → 2/3 ↓ → 1/3 ↓			

RECOMMENDED STEP DRILL PROTOCOL

Drill Diameter [mm]		Ø1.9	Ø2.0	Ø2.8	Ø3.2	Ø3.65
Drill Speed [RPM]		1200-1500	900-1200	800-1000	500-700	400-700
IMPLANT DIAMETER	Ø3.0	Soft Bone	↓			
		Hard Bone	↓ → 1/3 ↓			
	Ø3.3	Soft Bone	↓ → 1/3 ↓			
		Hard Bone	↓ → 2/3 ↓			
	Ø3.75	Soft Bone	↓ → 2/3 ↓			
		Hard Bone	↓ → ↓ → 1/3 ↓			
	Ø4.2	Soft Bone	↓ → ↓ → 2/3 ↓			
		Hard Bone	↓ → ↓ → 2/3 ↓ → 2/3 ↓			
	Ø5	Soft Bone	↓ → ↓ → 2/3 ↓ → 2/3 ↓			
		Hard Bone	↓ → ↓ → 2/3 ↓ → ↓ → 2/3 ↓			

	Drill to mark osteotomy site		Drill osteotomy to implant		Drill osteotomy partially according to implant
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ONE-PIECE SERIES | MBI NCT™

RECOMMENDED STRAIGHT DRILL PROTOCOL

		Ø1.2	Ø1.5	Ø2.0
Drill Diameter [mm]		Ø1.2	Ø1.5	Ø2.0
Drill Speed [RPM]		1200-1500	1200-1500	900-1200
IMPLANT DIAMETER	Ø2.0	Soft Bone	2/3 ↓	
		Hard Bone	↓	
	Ø2.4	Soft Bone	↓ → 2/3 ↓	
		Hard Bone		↓
	Ø2.9	Soft Bone		↓
		Hard Bone		↓ → 2/3 ↓

 Drill to mark osteotomy site

 Drill osteotomy to implant

 Drill osteotomy partially according to implant

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CHALLENGE SERIES | PTERYFIT™

RECOMMENDED STRAIGHT DRILL PROTOCOL

IMPLANT DIAMETER	Drill Diameter [mm]	Osteotome	Ø2.3	Ø2.8
	Drill Speed [RPM]		900-1200	800-1000
Ø4.2	All Bone Types	1/2	↓	↓

↓ Drill osteotomy to implant

↓ Drill osteotomy partially according to implant

Prior to the use of Pteryfit/Pterycore implants in the Pterygoid regions, additional training is recommended.



CHALLENGE SERIES | PTERYCORE™

RECOMMENDED STRAIGHT DRILL PROTOCOL

IMPLANT DIAMETER	Drill Diameter [mm]	Osteotome	Ø2.3	Ø2.8
	Drill Speed [RPM]		900-1200	800-1000
Ø4.2	All Bone Types	1/2	↓	↓

↓ Drill osteotomy to implant

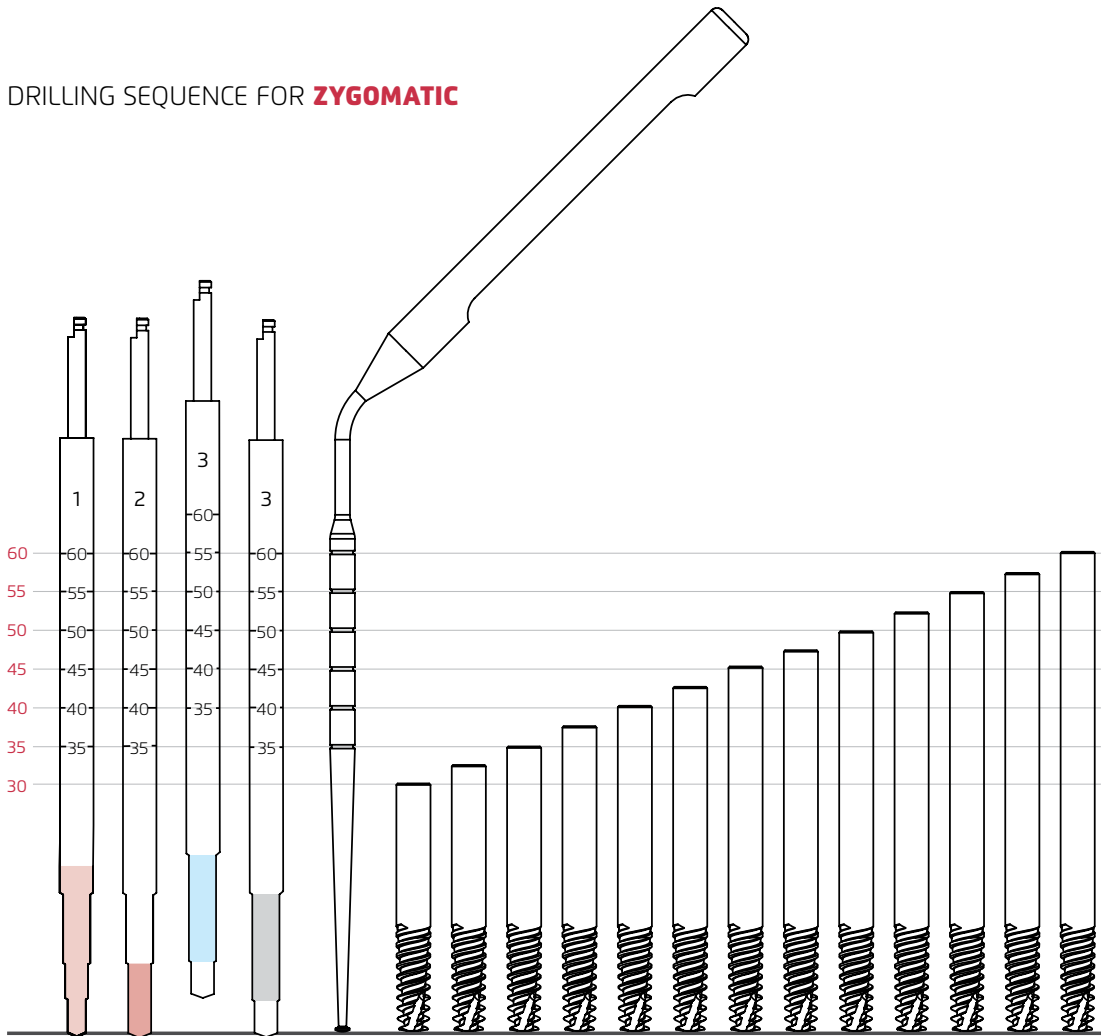
↓ Drill osteotomy partially according to implant

Prior to the use of Pteryfit/Pterycore implants in the Pterygoid regions, additional training is recommended.




CHALLENGE SERIES | ZYGOMATIC™

DRILLING SEQUENCE FOR **ZYGOMATIC**



RECOMMENDED STEP DRILL PROTOCOL

		Drill Diameter [mm]	1	2	3	
		Drill Speed [RPM]				
		Bone Type				
IMPLANT DIAMETER	Ø4.2	D4	↓			
		D3	↓	→	↓	
		D2	↓	→	→	↓ -5mm
		D1	↓	→	→	↓

 Drill osteotomy to implant

 -5mm Drill 5mm Less



Prior to the use of Zygomatic implants in the Zygoma region, additional training is recommended.

We can make you
Smile

