

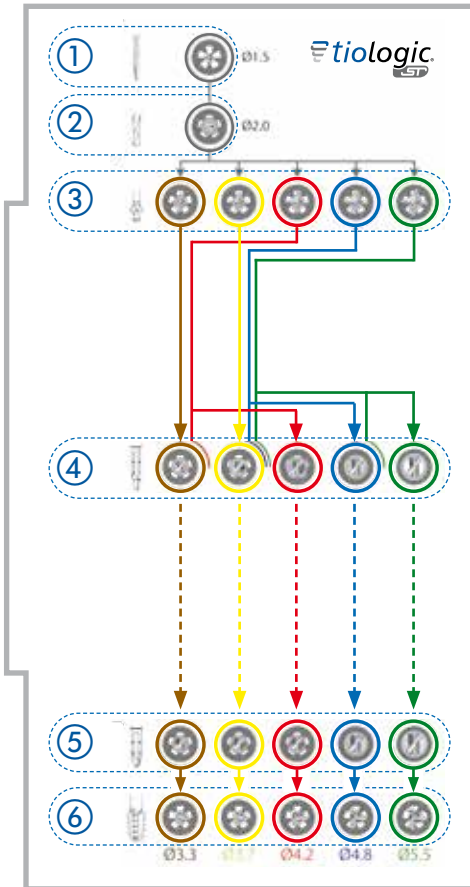
# Drilling protocol tioLogic® ST







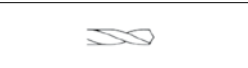




















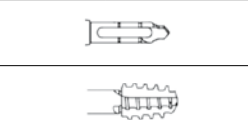











Adapt preparation protocol to suit indication and patient if necessary.

- ⊘ = implant length
- = min. 7.0 mm preparation depth
- ⊕ = optional application
- 📖 = follow the instructions for use

## Illustration Surgical Tray



			ø 3.3	ø 3.7	ø 4.2	ø 4.8	ø 5.5
①	Marking drill						
	Depth drill						
	③	Surface cutter					
④ a	Preceding stepped countersink						
	④		Stepped countersink				
Preparation according to bone quality			Preparation according to bone quality	Preparation according to bone quality	Preparation according to bone quality	Preparation according to bone quality	Preparation according to bone quality
			D4-D3 D3-D2 D2-D1 weich medium hard	D4-D3 D3-D2 D2-D1 weich medium hard	D4-D3 D3-D2 D2-D1 weich medium hard	D4-D3 D3-D2 D2-D1 weich medium hard	D4-D3 D3-D2 D2-D1 weich medium hard
⑤	Expander						
	⑥		Thread tap				
			ø 3.3	ø 3.7	ø 4.2	ø 4.8	ø 5.5



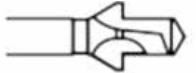

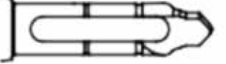

## Drilling speed

Prepare the hard and soft bone tissue carefully to support optimal healing of the implant.  
Avoid thermal or mechanical trauma at all costs. Keep the temperature during preparation of the implant site as low as possible and adhere to the maximum insertion torque (max. 40 Ncm) during insertion.

Low-speed preparation is therefore recommended for certain drills.

This can be carried out without cooling to prevent the bone chips from being washed out.

In general, the speed should be reduced as the drill diameter increases.

Product		Low-speed preparation procedure	Maximum speed
Marking drill		max. 800 rpm	max. 800 rpm
Depth drill		max. 800 rpm	max. 800 rpm
Surface cutter		50-80 rpm	max. 500 rpm
Stepped countersink		50-80 rpm	max. 500 rpm
Expander		50-80 rpm	max. 500 rpm
Thread tap		max. 10 rpm or manually	max. 10 rpm or manually