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In Ridge Expansion cases, please oversize your osteotomy and make sure that the crest diameter is equal to or larger than the implant major diameter.

In Hard Bone (Mandible), after Finishing the Full Osteotomy Preparation, Use the Next Larger Size Densah Bur to the 3mm Laser-Mark Depth to make sure the Osteotomy Crestal Diameter is Equal to or Larger than the Implant Major (Crestal) Diameter.

Use Densah Burs in full-step increments for Sinus Lift cases. Example: 2.0mm, 3.0mm, 4.0mm, 5.0mm



Use large block display to compare Bur identification system when using the schematic below for proper Bur usage

● VT5 Set ○ VT8 Set ● VS8 Set

Densifying Mode CCW (800-1500) RPMs / Cutting Mode CW (800-1500) RPMs																	
Nobel Biocare®			MK III TiUnite®, MK III Groovy														
			Soft Bone							Hard Bone (Mandible)							
										In densifying mode make sure your osteotomy is 1.0 mm deeper than the actual implant final length. In extreme hard bone, utilize DAC (Densify After Cut) Protocol. Find protocol in IFU.							
Geometry	Major Ø	Minor Ø	Pilot	Bur 1	Bur 2	Bur 3	Bur 4	Bur 5	Densah® Bur Block Display	Pilot	Bur 1	Bur 2	Bur 3	Bur 4	Bur 5	Bur 6	Densah® Bur Block Display
Straight	3.30	2.80	Pilot	VT1828 (2.3)	VS2228* (2.5)	—	—	—		Pilot	VT1828 (2.3)	VS2228* (2.5)	—	—	—	—	
Straight	3.73	3.09	Pilot	VT1525 (2.0)	VT2535* (3.0)	—	—	—		Pilot	VT1525 (2.0)	VT1828 (2.3)	VT2838* (3.3)	—	—	—	
Straight	3.83	3.19	Pilot	VT1525 (2.0)	VT2535* (3.0)	—	—	—		Pilot	VT1525 (2.0)	VT1828 (2.3)	VT2838* (3.3)	—	—	—	
Straight	4.93	4.08	Pilot	VT1525 (2.0)	VT2535 (3.0)	VT3545* (4.0)	—	—		Pilot	VT1525 (2.0)	VT1828 (2.3)	VT2535 (3.0)	VT2838 (3.3)	VT3848* (4.3)	—	

*Denotes implant placement.

Clinician judgement and experience should be applied in conjunction with this suggestive Implant Drilling System

10551 REV01

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● VT5 Set ○ VT8 Set ● VS8 Set

Densifying Mode CCW (800-1500) RPMs / Cutting Mode CW (800-1500) RPMs																	
Nobel Biocare®			MK IV TiUnite®, MK IV Groovy														
			Soft Bone							Hard Bone (Mandible)							
										In densifying mode make sure your osteotomy is 1.0 mm deeper than the actual implant final length. In extreme hard bone, utilize DAC (Densify After Cut) Protocol. Find protocol in IFU.							
Geometry	Major Ø	Minor Ø	Pilot	Bur 1	Bur 2	Bur 3	Bur 4	Bur 5	Densah® Bur Block Display	Pilot	Bur 1	Bur 2	Bur 3	Bur 4	Bur 5	Bur 6	Densah® Bur Block Display
Straight	3.35	2.85	Pilot	VT1828 (2.3)	VS2228* (2.5)	—	—	—		Pilot	VT1828 (2.3)	VS2228* (2.5)	—	—	—	—	
Straight	4.00	3.36	Pilot	VT1828 (2.3)	VT2838* (3.3)	—	—	—		Pilot	VT1828 (2.3)	VT2535 (3.0)	VT2838 (3.3)	VS3238* (3.5)	—	—	
Straight	4.93	4.09	Pilot	VT1525 (2.0)	VT2535 (3.0)	VT3545* (4.0)	—	—		Pilot	VT1525 (2.0)	VT1828 (2.3)	VT2535 (3.0)	VT2838 (3.3)	VT3848* (4.3)	—	
Straight	5.93	5.09	Pilot	VT1525 (2.0)	VT2535 (3.0)	VT3545 (4.0)	VT4555* (5.0)	—		Pilot	VT1525 (2.0)	VT2535 (3.0)	VT3545 (4.0)	VT3848 (4.3)	VT4555 (5.0)	VT4858* (5.3)	

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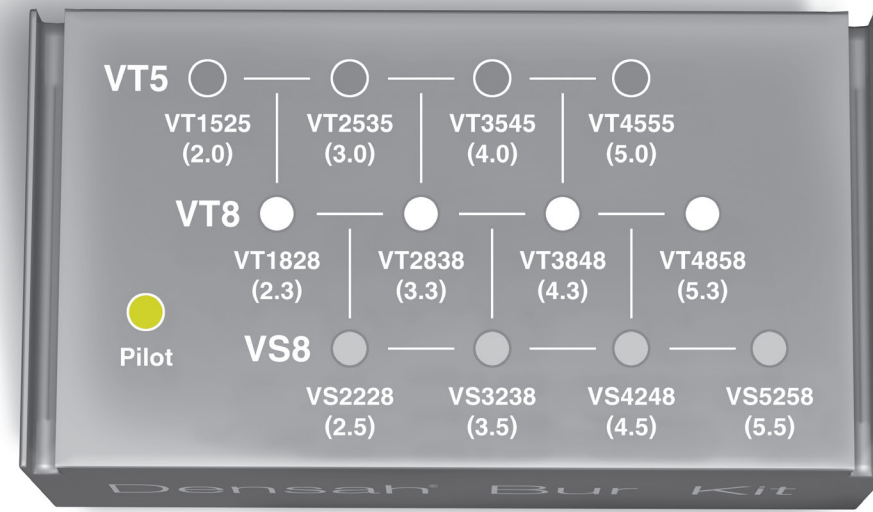
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● VT5 Set ○ VT8 Set ● VS8 Set

Densifying Mode CCW (800-1500) RPMs / Cutting Mode CW (800-1500) RPMs																	
Nobel Biocare®			Replace® Select Straight, NobelReplace™ Straight, Replace™ Select TC, NobelSpeedy® Replace														
			Soft Bone							Hard Bone (Mandible)							
										In densifying mode make sure your osteotomy is 1.0 mm deeper than the actual implant final length. In extreme hard bone, utilize DAC (Densify After Cut) Protocol. Find protocol in IFU.							
Geometry	Major Ø	Minor Ø	Pilot	Bur 1	Bur 2	Bur 3	Bur 4	Bur 5	Densah® Bur Block Display	Pilot	Bur 1	Bur 2	Bur 3	Bur 4	Bur 5	Bur 6	Densah® Bur Block Display
Straight	3.45	2.95	Pilot	VT1828 (2.3)	VS2228* (2.5)	—	—	—		Pilot	VT1828 (2.3)	VT2535* (3.0)	—	—	—	—	
Straight	4.00	3.36	Pilot	VT1828 (2.3)	VT2838* (3.3)	—	—	—		Pilot	VT1828 (2.3)	VT2535 (3.0)	VT2838 (3.3)	VS3238* (3.5)	—	—	
Straight	4.23	3.59	Pilot	VT1828 (2.3)	VT2838* (3.3)	—	—	—		Pilot	VT1828 (2.3)	VT2535 (3.0)	VT2838 (3.3)	VS3238* (3.5)	—	—	
Straight	4.93	4.08	Pilot	VT1525 (2.0)	VT2535 (3.0)	VT3545* (4.0)	—	—		Pilot	VT1828 (2.3)	VT2535 (3.0)	VT2838 (3.3)	VT3545 (4.0)	VT3848* (4.3)	—	

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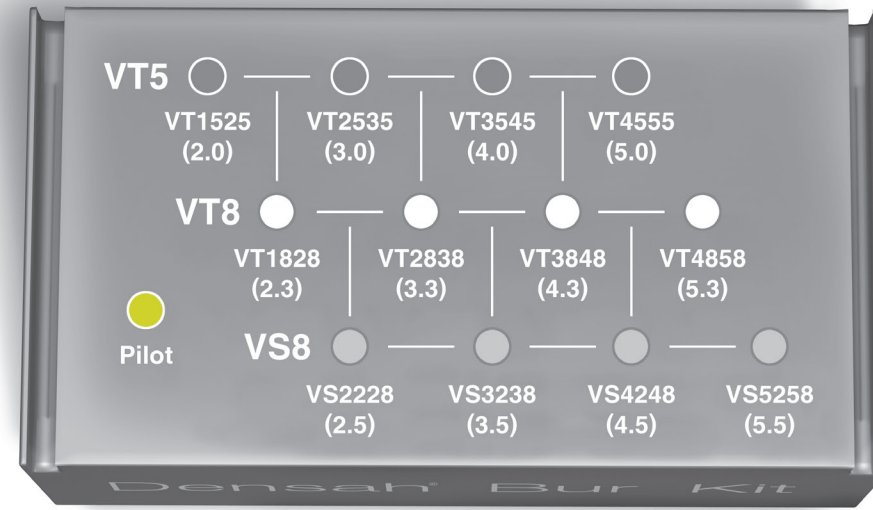
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● VT5 Set ○ VT8 Set ● VS8 Set

Densifying Mode CCW (800-1500) RPMs / Cutting Mode CW (800-1500) RPMs																	
Nobel Biocare®			NobelReplace™ Tapered, Replace™ Select Tapered, NobelReplace® Conical, NobelDirect®, NobelDirect® Posterior, Speedy Groovy®														
			Soft Bone							Hard Bone (Mandible)							
			In densifying mode make sure your osteotomy is 1.0 mm deeper than the actual implant final length. In extreme hard bone, utilize DAC (Densify After Cut) Protocol. Find protocol in IFU.														
Geometry	Major Ø	Minor Ø	Pilot	Bur 1	Bur 2	Bur 3	Bur 4	Bur 5	Densah® Bur Block Display	Pilot	Bur 1	Bur 2	Bur 3	Bur 4	Bur 5	Bur 6	Densah® Bur Block Display
Taper	3.0	2.5	Pilot	VT1828 (2.3)	VS2228* (2.5)	—	—	—		Pilot	VT1828 (2.3)	VS2228* (2.5)	—	—	—	—	
Taper	3.5	3.0	Pilot	VT1525 (2.0)	VT2535* (3.0)	—	—	—		Pilot	VT1525 (2.0)	VT2535* (3.0)	—	—	—	—	
Taper	4.3	3.7	Pilot	VT1828 (2.3)	VT2838* (3.3)	—	—	—		Pilot	VT1828 (2.3)	VT2535 (3.0)	VT2838 (3.3)	VS3238* (3.5)	—	—	
Taper	5.0	4.2	Pilot	VT1828 (2.3)	VT2838 (3.3)	VT3545* (4.0)	—	—		Pilot	VT1828 (2.3)	VT2535 (3.0)	VT2838 (3.3)	VT3545 (4.0)	VT3848* (4.3)	—	
Taper	5.9	5.0	Pilot	VT1525 (2.0)	VT2535 (3.0)	VT3545 (4.0)	VT4555* (5.0)	—		Pilot	VT1525 (2.0)	VT2535 (3.0)	VT2838 (3.3)	VT3545 (4.0)	VT3848 (4.3)	VT4858* (5.3)	

*Denotes implant placement.

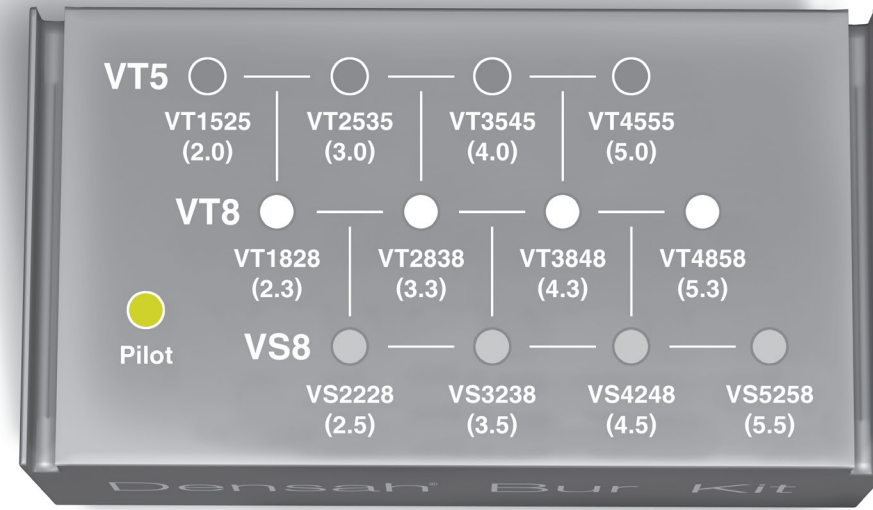
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Densifying Mode CCW (800-1500) RPMs / Cutting Mode CW (800-1500) RPMs																	
Nobel Biocare®			NobelActive®														
			Soft Bone							Hard Bone (Mandible)							
			In densifying mode make sure your osteotomy is 1.0 mm deeper than the actual implant final length. In extreme hard bone, utilize DAC (Densify After Cut) Protocol. Find protocol in IFU.														
Geometry	Major Ø	Minor Ø	Pilot	Bur 1	Bur 2	Bur 3	Bur 4	Bur 5	Densah® Bur Block Display	Pilot	Bur 1	Bur 2	Bur 3	Bur 4	Bur 5	Bur 6	Densah® Bur Block Display
Taper	3.00	2.50	Pilot	VT1828* (2.3)	—	—	—	—		Pilot	VT1828 (2.3)	VS2228* (2.5)	—	—	—	—	
Taper	3.50	3.00	Pilot	VT1525 (2.0)	VT2535* (3.0)	—	—	—		Pilot	VT1525 (2.0)	VT1828 (2.3)	VT2535 (3.0)	VT2838* (3.3)	—	—	
Taper	4.30	3.40	Pilot	VT1828 (2.3)	VT2838* (3.3)	—	—	—		Pilot	VT1828 (2.3)	VT2535 (3.0)	VT2838 (3.3)	VS3238* (3.5)	—	—	
Taper	4.90	3.40	Pilot	VT1525 (2.0)	VT2535 (3.0)	VT3545* (4.0)	—	—		Pilot	VT1525 (2.0)	VT2535 (3.0)	VT2838 (3.3)	VT3545* (4.0)	—	—	
Taper	5.50	4.00	Pilot	VT1525 (2.0)	VT2535 (3.0)	VT3545* (4.0)	—	—		Pilot	VT1525 (2.0)	VT2535 (3.0)	VT2838 (3.3)	VT3545 (4.0)	VT4555* (5.0)	—	

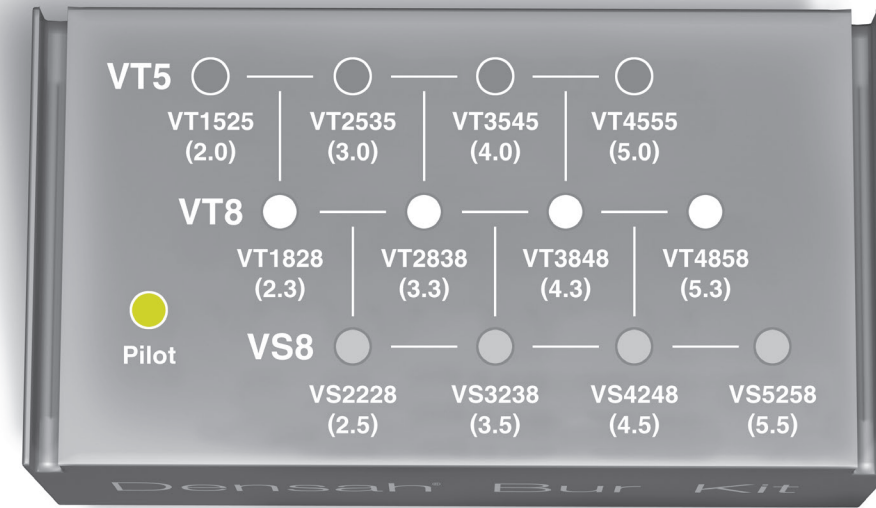
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Densifying Mode CCW (800-1500) RPMs / Cutting Mode CW (800-1500) RPMs																	
Nobel Biocare®			NobelParallel™ Conical Connection														
			Soft Bone							Hard Bone (Mandible)							
										In densifying mode make sure your osteotomy is 1.0 mm deeper than the actual implant final length. In extreme hard bone, utilize DAC (Densify After Cut) Protocol. Find protocol in IFU.							
Geometry	Major Ø	Minor Ø	Pilot	Bur 1	Bur 2	Bur 3	Bur 4	Bur 5	Densah® Bur Block Display	Pilot	Bur 1	Bur 2	Bur 3	Bur 4	Bur 5	Bur 6	Densah® Bur Block Display
	3.75		Pilot	VT1525 (2.3)	VT2535* (3.0)	—	—	—		Pilot	VT1525 (2.3)	VT2535* (3.0)	—	—	—	—	
	4.3		Pilot	VT1828 (2.3)	VT2838* (3.3)	—	—	—		Pilot	VT1828 (2.3)	VT2535 (3.0)	VT2838* (3.3)	—	—	—	
	5.0		Pilot	VT1828 (2.3)	VT2838 (3.3)	VT3848* (4.3)	—	—		Pilot	VT1828 (2.3)	VT2535 (3.0)	VT2838 (3.3)	VT3545 (4.0)	VT3848* (4.3)	—	
	5.5		Pilot	VT1525 (2.0)	VT2535 (3.0)	VT3545 (4.0)	VT3848* (4.3)	—		Pilot	VT1525 (2.0)	VT2535 (3.0)	VT3545 (4.0)	VT4555* (5.0)	—	—	

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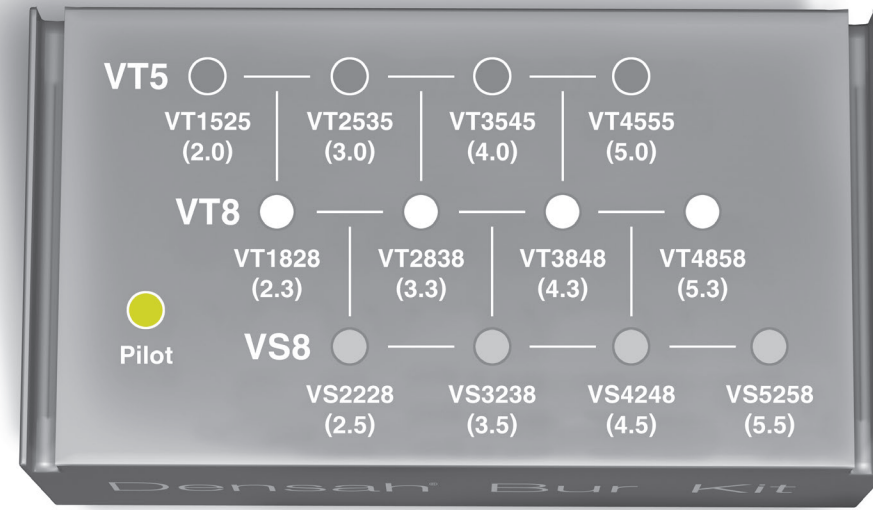
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Densifying Mode CCW (800-1500) RPMs / Cutting Mode CW (800-1500) RPMs

Nobel Biocare®		NobelPearl Tapered															
		Soft Bone								Hard Bone (Mandible)							
										In densifying mode make sure your osteotomy is 1.0 mm deeper than the actual implant final length. In extreme hard bone, utilize DAC (Densify After Cut) Protocol. Find protocol in IFU.							
Geometry	Major Ø	Minor Ø	Pilot	Bur 1	Bur 2	Bur 3	Bur 4	Bur 5	Densah® Bur Block Display	Pilot	Bur 1	Bur 2	Bur 3	Bur 4	Bur 5	Bur 6	Densah® Bur Block Display
Tapered	4.2		Pilot	VT1828 (2.3)	VT2838* (3.3)	—	—	—		Pilot	VT1828 (2.3)	VT2535 (3.0)	VT2838* (3.3)	—	—	—	
Tapered	5.5		Pilot	VT1525 (2.0)	VT2535 (3.0)	VT3545 (4.0)	VT4555* (5.0)	—		Pilot	VT1828 (2.3)	VT2535 (3.0)	VT2838 (3.3)	VT3545 (4.0)	VT3848 (4.3)	VT4555* (5.0)	

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