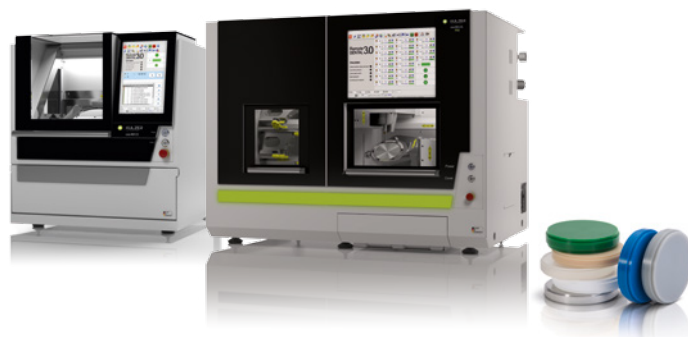


Setting Parameters

Dental Designer™ 3shape for cara Mill 2.5, 3.5, 3.5 PRO, 3.5L, 3.5L PRO

Important information:

- Observe the Instructions for Use of the materials.
- The setting parameters listed below are for dima material discs determined with the cara Mill 2.5, 3.5, 3.5 PRO, 3.5L, 3.5L PRO.
- The given dimensions serve as guidelines and may be customized according to individual wishes.
- Processing of dima Mill CoCr solid not available for cara Mill 2.5.



Software Setting Options (all figures in mm):

As of 10.2018

dima Mill Zirconia ST – white, B-light and A-intensive



Software Designation	Internal crown surfaces			External crown surface/core build-up						
	Extra cement gap	Cement gap	Dist. to margin line	Wall thickness	Wall height	Marginline offset	Offset angle	Extension offset	Connector thickness mm ²	
Indication										
Single crown	Anterior	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	75 – 100°	0.15	–
	Premolar	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	75 – 100°	0.15	–
	Molar	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	75 – 100°	0.15	–
	Primary crown	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	45 – 80°	0.20	–
Splinted single crowns										
Settings as above but note connector size									6 – 9	
Bridges (3 units)	Anterior (1 – 3)	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 7
	Posterior (3 – 5)	0.05	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 8
	Posterior (5 – 8)	0.05	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 9
Bridges (4 units)	Anterior	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 7
	Posterior	0.05	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 9
Bridges (5 units)	Anterior	0.06	0.020	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 8
	Posterior	0.06	0.020	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 9
Bridges (6 – 16 units)	0.10	0.050	1.0	0.60	1.0 – 2.5	0.3	65 – 90°	0.15	≥ 9	
Configuration Parameters cara ZrO₂ Inlay, Onlay, Veneer										
	Extra cement gap	Cement gap	Dist. to margin line	Smooth dist.	Drill radius	Drill comp. offset	Transition	Margin offset	Connector thickness mm ²	
Inlay	0.04	0.030	0.25	0.25	0.5	0.5	0.5	≥ 0.2	–	
Onlay	0.04	0.030	0.50	0.25	0.5	0.5 – 1.5	0.5	≥ 0.2	–	
Veneer	0.04	0.030	0.50	0.25	0.5	0.5 – 1.5	0.5	≥ 0.2	–	

Always observe the general guidelines for all-ceramic preparations!

Giving a hand to oral health.



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dima Mill Zirconia HT – light, medium, intensive
dima Mill Zirconia HT – white, bleach, A1 – D4

Software Designation	Internal crown surfaces			External crown surface/core build-up						
	Extra cement gap	Cement gap	Dist. to margin line	Wall thickness	Wall height	Marginline offset	Offset angle	Extension offset	Connector thickness mm ²	
Indication										
Single crown	Anterior	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	65 – 100°	0.15	–
	Premolar	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	65 – 100°	0.15	–
	Molar	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	65 – 100°	0.15	–
	Primary crown	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	45 – 80°	0.15	–
Splinted single crowns	Settings as above but note connector size								6 – 9	
Bridges (3 units)	Anterior (1 – 3)	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 7
	Posterior (3 – 5)	0.05	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 8
	Posterior (5 – 8)	0.05	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 9
Bridges (4 units)	Anterior	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 7
	Posterior	0.05	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 9
Bridges (5 units)	Anterior	0.06	0.020	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 8
	Posterior	0.06	0.020	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 9
Bridges (6 – 16 units)	0.07	0.020	1.0	0.60	1.0 – 2.5	0.3	65 – 90°	0.15	≥ 9	
Configuration Parameters cara ZrO₂ Inlay, Onlay, Veneer										
	Extra cement gap	Cement gap	Dist. to margin line	Smooth dist.	Drill radius	Drill comp. offset	Transition	Margin offset	Connector thickness mm ²	
Inlay	0.07	0.050	0.35	0.25	0.5	0.5	0.5	≥ 0.2	–	
Onlay	0.04	0.030	0.50	0.25	0.5	0.5 – 1.5	0.5	≥ 0.2	–	
Veneer	0.04	0.030	0.50	0.25	0.5	0.5 – 1.5	0.5	≥ 0.2	–	

Always observe the general guidelines for all-ceramic preparations!

dima Mill Zirconia HTE – white, bleach, A1 – D4



Software Designation	Internal crown surfaces			External crown surface/core build-up						
	Extra cement gap	Cement gap	Dist. to margin line	Wall thickness	Wall height	Marginline offset	Offset angle	Extension offset	Connector thickness mm ²	
Indication										
Single crown	Anterior	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	75 – 100°	0.15	–
	Premolar	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	75 – 100°	0.15	–
	Molar	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	75 – 100°	0.15	–
	Primary crown	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	45 – 80°	0.20	–
Splinted single crowns	Settings as above but note connector size								6 – 9	
Bridges (3 units)	Anterior (1 – 3)	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 7
	Posterior (3 – 5)	0.05	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 8
	Posterior (5 – 8)	0.05	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 9
Configuration Parameters cara ZrO₂ Inlay, Onlay, Veneer										
	Extra cement gap	Cement gap	Dist. to margin line	Smooth dist.	Drill radius	Drill comp. offset	Transition	Margin offset	Connector thickness mm ²	
Inlay	0.07	0.050	0.35	0.25	0.5	0.5	0.5	≥ 0.2	–	
Onlay	0.04	0.030	0.50	0.25	0.5	0.5 – 1.5	0.5	≥ 0.2	–	
Veneer	0.04	0.030	0.50	0.25	0.5	0.5 – 1.5	0.5	≥ 0.2	–	

Always observe the general guidelines for all-ceramic preparations!

dima Mill Zirconia ML – A-light, A-dark, B-light, B-dark, C-light

Software Designation	Internal crown surfaces			External crown surface/core build-up						
	Extra cement gap	Cement gap	Dist. to margin line	Wall thickness	Wall height	Marginline offset	Offset angle	Extension offset	Connector thickness mm ²	
Indication										
Single crown	Anterior	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	75 – 100°	0.15	–
	Premolar	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	75 – 100°	0.15	–
	Molar	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	75 – 100°	0.15	–
	Primary crown	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	45 – 80°	0.20	–
Splinted single crowns Settings as above but note connector size									6 – 9	
Bridges (3 units)	Anterior (1 – 3)	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 7
	Posterior (3 – 5)	0.05	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 8
	Posterior (5 – 8)	0.05	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 9
Bridges (4 units)	Anterior	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 7
	Posterior	0.05	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 9
Bridges (5 units)	Anterior	0.06	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 8
	Posterior	0.06	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 9
Bridges (6 – 14 units)		0.07	0.020	1.0	0.60	1.0 – 2.5	0.3	65 – 90°	0.15	≥ 9
Configuration Parameters cara ZrO₂ Inlay, Onlay, Veneer										
	Extra cement gap	Cement gap	Dist. to margin line	Smooth dist.	Drill radius	Drill comp. offset	Transition	Margin offset	Connector thickness mm ²	
Inlay	0.07	0.050	0.35	0.25	0.5	0.5	0.5	≥ 0.2	–	
Onlay	0.04	0.030	0.50	0.25	0.5	0.5 – 1.5	0.5	≥ 0.2	–	
Veneer	0.04	0.030	0.50	0.25	0.5	0.5 – 1.5	0.5	≥ 0.2	–	

Always observe the general guidelines for all-ceramic preparations!

dima Mill temp – A1, A2, A3, A3.5, B2, B3, C2, D2, clear

Software Designation	Internal crown surfaces			External crown surface/core build-up						
	Extra cement gap	Cement gap	Dist. to margin line	Wall thickness	Wall height	Marginline offset	Offset angle	Extension offset	Connector thickness mm ²	
Indication										
Single crown	Anterior	0.10	0.05	1	1.0 – 1.2	1.0 – 2.5	0.2	75 – 100°	0.15	–
	Premolar	0.10	0.05	1	1.0 – 1.2	1.0 – 2.5	0.2	75 – 100°	0.15	–
	Molar	0.10	0.05	1	1.0 – 1.2	1.0 – 2.5	0.2	75 – 100°	0.15	–
	Primary crown	0.10	0.05	1	1.0 – 1.2	1.0 – 2.5	0.2	45 – 80°	0.20	–
Splinted single crowns Settings as above but note connector size									10 – 16	
Bridges (3 units)	Anterior (1 – 3)	0.10	0.05	1	1.0 – 1.2	1.0 – 2.5	0.2	70 – 90°	0.15	≥ 10
	Posterior (3 – 5)	0.10	0.05	1	1.0 – 1.2	1.0 – 2.5	0.2	70 – 90°	0.15	≥ 16
	Posterior (5 – 8)	0.10	0.05	1	1.0 – 1.2	1.0 – 2.5	0.2	70 – 90°	0.15	≥ 16
Bridges (4 units)	Anterior	0.10	0.05	1	1.0 – 1.2	1.0 – 2.5	0.2	70 – 90°	0.15	≥ 10
	Posterior	0.10	0.05	1	1.0 – 1.2	1.0 – 2.5	0.2	70 – 90°	0.15	≥ 16
Bridges (5 units)	Anterior	0.10	0.05	1	1.0 – 1.2	1.0 – 2.5	0.2	70 – 90°	0.15	≥ 10
	Posterior	0.10	0.05	1	1.0 – 1.2	1.0 – 2.5	0.2	70 – 90°	0.15	≥ 16
Bridges 6 and 16 units		0.10	0.06	1	1.0 – 1.2	1.0 – 2.5	0.2	65 – 90°	0.15	≥ 16

Depending on the initial clinical situation and width with respect to the connector cross-sections, it is also possible to bridge two adjacent pontics! Please also read the information in the instruction manual!

dima Mill CoCr solid*

Software Designation	Internal crown surfaces			External crown surface/core build-up					
	Extra cement gap	Cement gap	Dist. to margin line	Wall thickness	Wall height	Marginline offset	Offset angle	Extension offset	Connector thickness mm ²
Indication									
Single crown									
Anterior	0.065 – 0.095	0.017 – 0.025	1.0	0.35	1.0 – 2.5	0.1	75 – 100°	0.10	–
Premolar	0.065 – 0.090	0.017 – 0.020	1.0	0.35	1.0 – 2.5	0.1	75 – 100°	0.10	–
Molar	0.065 – 0.090	0.017 – 0.020	1.0	0.35	1.0 – 2.5	0.1	75 – 100°	0.10	–
Primary crown	0.065 – 0.095	0.017 – 0.025	1.0	0.35	1.0 – 2.5	0.1	45 – 80°	0.10	–
Splinted single crowns	Settings as above but note connector size								6 – 9
Bridges (3 units)									
Anterior (1 – 3)	0.065 – 0.095	0.017 – 0.030	1.0	0.35	1.0 – 2.5	0.1	70 – 90°	0.10	≥ 7
Posterior (3 – 5)	0.065 – 0.095	0.017 – 0.025	1.0	0.35	1.0 – 2.5	0.1	70 – 90°	0.10	≥ 8
Posterior (5 – 8)	0.065 – 0.095	0.017 – 0.020	1.0	0.35	1.0 – 2.5	0.1	70 – 90°	0.10	≥ 9
Bridges (4 units)									
Anterior	0.065 – 0.095	0.017 – 0.030	1.0	0.35	1.0 – 2.5	0.1	70 – 90°	0.10	≥ 7
Posterior	0.065 – 0.095	0.017 – 0.025	1.0	0.35	1.0 – 2.5	0.1	70 – 90°	0.10	≥ 9
Bridges (5 units)									
Anterior	0.075 – 0.095	0.017 – 0.030	1.0	0.40	1.0	0.1	70 – 90°	0.10	≥ 8
Posterior	0.065 – 0.095	0.017 – 0.025	2.0	0.40	1.0	0.1	70 – 90°	0.10	≥ 9
Bridges (6 – 16 units)	0.065 – 0.100	0.017 – 0.030	0.5 – 2.0	0.40	1.0 – 2.5	0.1	65 – 90°	0.10	≥ 9

* not suitable for cara Mill 2.5

dima Mill Wax – blue, grey, green

Software Designation	Internal crown surfaces			External crown surface/core build-up					
	Extra cement gap	Cement gap	Dist. to margin line	Wall thickness	Wall height	Marginline offset	Offset angle	Extension offset	Connector thickness mm ²
Indication									
Single crown									
Anterior	0.04	0.010	1.0	0.40	1.0 – 2.5	0.3	75 – 100°	0.15	–
Premolar	0.04	0.010	1.0	0.40	1.0 – 2.5	0.3	75 – 100°	0.15	–
Molar	0.04	0.010	1.0	0.40	1.0 – 2.5	0.3	75 – 100°	0.15	–
Primary crown	0.04	0.010	1.0	0.40	1.0 – 2.5	0.3	45 – 80°	0.20	–
Splinted single crowns	Settings as above but note connector size								6 – 9
Bridges (3 units)									
Anterior (1 – 3)	0.04	0.010	1.0	0.40	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 7
Posterior (3 – 5)	0.04	0.010	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 8
Posterior (5 – 8)	0.04	0.010	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 9
Bridges (4 units)									
Anterior	0.05	0.015	1.0	0.40	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 7
Posterior	0.05	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 9
Bridges (5 units)									
Anterior	0.05 – 0.06	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 8
Posterior	0.05 – 0.06	0.015	1.0	0.50	1.0 – 2.5	0.3	70 – 90°	0.15	≥ 9
Bridges (6 – 16 units)	0.05 – 0.06	0.015	1.0	0.60	1.0 – 2.5	0.3	65 – 90°	0.15	≥ 9
Configuration Parameters dima Mill Wax Inlay, Onlay, Veneer									
	Extra cement gap	Cement gap	Dist. to margin line	Smooth dist.	Drill radius	Drill comp. offset	Transition	Margin offset	Connector thickness mm ²
Inlay	0.04	0.030	0.50	0.25	0.5	0.5	0.5	≥ 0.2	–
Onlay	0.04	0.030	0.50	0.25	0.5	0.5 – 1.5	0.5	≥ 0.2	–
Veneer	0.04	0.030	0.50	0.25	0.5	0.5 – 1.5	0.5	≥ 0.2	–

The general safety regulations for handling dental products are applicable.

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