

Overview

Use this reference sheet to quickly configure 3shape for DPR 10. To access these settings, go to **Dental System Control Panel → Digital Model → Digital model design**. If you plan to print models with **removable dies**, values in **yellow** are critical for success and should not be changed without consulting Carbon.

General				Margin line and Ditching					
ID	Name	Description	Material	Protect Contacts Above Margin (mm)	Base Margin Height (mm)	Ditch and Trim Model	Ditch Height (mm)	Ditch Depth (mm)	Margin Thickness (mm)
1889483940_Model Manufacturing	Carbon Dental Models Gen 3	Carbon Dental Models	DPR 10	2.000	0.125	False	0.500	0.150	0.000

Die												Pin and Ejection							
Standard Die Shape	Base Main Height	Base Wall Angle (deg)	Base Stop Surface Width (mm)	Base Stop Surface Angle (deg)	Die to Model Spacing (mm)	Post to Model Spacing	Friction bar Width (mm)	Friction Bar Overlap (mm)	Number of Friction bars	Vertical Insert Direction	Print Abutment As Part Of Model	Pin Type	Snap Off Pin	Pin height (mm)	Pin Wall Angle (deg)	Pinless Hole Type	Side Hole Type	Pushing Indent Type	Pushing Height (mm)
False	5.000	2.000	0.000	45.000	0.085	0.030	0.600	0.0	8	False	False	Die shaped pin	False	2.000	0.000	CAD Cylindrical BottomHole	None	Pin shaped pushing indent	1.000

Model and manufacturing														
Use Drill Compensation	Drill radius (mm)	Minimum Model Base Height (mm)	Hollow Model	Surface thickness (mm)	Use Variable Thickness	Hollow Dies	Drain Hole Size (mm)	Use ID Tag	Font Height (mm)	Text Depth (mm)	Print Layer Thickness (mm)	Platforms Distance (mm)	Articulator Interface	
False	0.150	1.000	True	2.500	True	False	0.000	True	3.500	-1.000	0.050	0.000	Not specified	

Model and manufacturing (cont)														
Maximum model height (mm)	Friction Adjustment for Angle	Friction Adjustment for Size	Design to model Spacing (mm)	General Clearance (mm)	Analog Friction bar Width (mm)	Analog Friction bar overlap (mm)	Number of Analog Friction bars	Analog to Model Spacing (mm)	Analog hole level adjustment (mm)	Protect Analog (soft tissue)	Protect Analog Distance (mm)	Side Drain Hole Types	Side Drain Hole Center Height (mm)	Side Drain Hole Distance (mm)
Not specified	-3.000	5.000	0.100	0.100	0.000	0.000	0	0.0350	0.000	False	0.500	CADCylindrical SideDrainHole3x3mm	2.5	25.0