

Full Arch Fixed Restorations

Benefits	Zirconia					PFM		Nano Ceramic		PMMA
	Ti. Bases	Ti. Bar	Ti. Montreal Bar	Ti Prep Bar	Custom Abutments & Bridge	Milled Bridge Frame	Custom Abutments & Bridge	Ti Bar	Ti Prep Bar	Ti Bar
Interface / Substructure										
Super-Structure Material	Monolithic Zirconia	Monolithic Multi-Layered Zirconia	Monolithic Multi-Layered Zirconia	Monolithic Multi-Layered Zirconia	Monolithic Zirconia	CrCo Layered w/ Porcelain	CrCo Layered w/ Porcelain	Monolithic Nano Ceramic	Monolithic Nano Ceramic	Monolithic PMMA
Misch Class Available**	FP1, FP2, FP3	FP2, FP3	FP1, FP2	FP1, FP2, FP3	FP1, FP2	FP1, FP2	FP1, FP2	FP3	FP2, FP3	FP3
Esthetics	Good	Better	Better	Best	Best	Best	Best	Good	Better	Good
Strength	Durable	Very Durable	Extremely Durable	Extremely Durable	Very Durable	Durable	Durable	Wear subject to bite forces	Wear subject o bite forces	Wear subject to bite forces
Gingiva	Liquid Ceramic	Liquid Ceramic	Liquid Ceramic	Composite	Liquid Ceramic	Porcelain	Porcelain	Composite	Composite	Composite
Angulated Screw Channel	Y	Y	Y	Y	N	N	N	Y	Y	Y
Shading	Vita 16	Vita 16	Vita 16	Vita 16	Vita 16	Vita 16	Vita 16	BL2, BL3, BL4, A1, A2, B1, B2, C1, C2, D2	BL2, BL3, BL4, A1, A2, B1, B2, C1, C2, D2	Vita 16
Inter-Implant Span* / Distal Cantilever (Based on FP3)	<=18 / <=12	<=24 / <=17	<=24 / <=17	<=24 / <=17	<=18 / <=12	<=24 / <=17	<=26 / <=18 (w/ lingual metal)	<=24 / <=17	<=24 / <=17	<=24 / <=17
Minimum Restorative Component Space*** (mm)	10.5	7	7	7	10.5	7 (w porcelain) 5 (full contour CrCo)	9	12	12	9
Preferred Connection	Abutment Level	Abutment or Implant Level	Abutment or Implant Level	Abutment or Implant Level	Implant Level	Abutment or Implant Level	Implant Level	Abutment or Implant Level	Abutment or Implant Level	Abutment or Implant Level
Warranty in Years (Teeth/Bar)	5/no bar	5/7	5/7	5/7	3/no bar	3/no bar	3/no bar	1/7	1/7	1/7
Price	\$\$	\$\$\$	\$\$\$\$	\$\$\$\$	\$\$\$	\$\$\$	\$\$\$	\$\$	\$\$\$	\$
In Lab Time	10	15	15	15	10	10	10	10	10	10
General Purposes	Most popular solution for FP2 & FP3. Can be completed in as little as 2 appointments with digital IOS scanner.	2nd most popular. Utilized when zirconia with tibase minimum parameters are not met.	Utilized on palatally placed implants where limited thickness of zirconia can be achieved. Utilized when anterior cantilevering long distances	The "best in class" for all around strength and esthetics. Individual teeth look natural.	Most esthetic for FP2 & FP3. Limited retrievability because of cementing. Same full mouth protocol. Lab will not make abutments or teeth w/o a try-in device.	Typically utilized for FP1 when minimum parameters are not met. Access hole must be ideal on posterior occlusal table or anterior lingual.	Typically utilized for FP1 when minimum parameters are not met. Utilized when access hole are in poor esthetic areas and porcelain support can't be achieved	Better wear characteristics than PMMA but can chip unlike zirconia. If it chips, than lab will repair with composite	Increased esthetics compared to the normal it. bar w/ nano ceramics. Teeth are singles instead of a bridge. If tooth chips the 1 tooth can be replaced.	Milled multi-layered PMMA teeth. Teeth do not pop off like traditional acrylic denture teeth can.

*Lengths based on lab maximum lengths set by lab and not clinical AP spread considerations. Restorative space and FP classification will effect lengths.

**Fixed Prosthesis (FP1, FP2, FP3) classification was categorized by Misch. FP1 resembles natural teeth and reduced prosthetic height. FP2 has teeth with slight artificial gingiva, sometime used to cover the transition zone slightly. FP3 has teeth with artificial gingiva between 3-5mm, which increases the prosthetic space resulting in a strong restoration.

***Restorative space is measured from the multi-unit restorative platform to the emmergence of the screw access hole. The height will change depending if measuring the restorative space in the anterior or posterior. We recommend placing the multi-unit platform 2-3mm subgingival for FP3 and 3-4MM for PF1. Superstructure thicknesses Guidelines: Zirconia >=2mm thick, Nano Ceramic >=4mm, PMMA >=3mm