

Enigma Teeth Conversion Chart

(Length of anteriors are measured flat)

Enigma 1x6

Vita 1x6

Dentsply 1x6

Ivoclar 1x6

	Mould	Length	Length	Width	Mould	Length	Length	Width	Mould	Length	Length	Width	Mould	Length	Length	Width				
D TAPERED	D36	44	10.1	8.1	X54	43.8	9.7	8.6	21D	44	10.5	8.05	N/A	N/A	N/A	N/A				
	D36	44	10.1	8.1					21C	42	10	7.70	N/A	N/A	N/A	N/A				
	D36	44	10.1	8.1					22C	41	9.85	7.70	N/A	N/A	N/A	N/A				
	D56	44.6	10	8.3					21D	44	10.50	8.05	N/A	N/A	N/A	N/A				
	D66	44.5	10.1	8.2					21D	44	10.50	8.05	N/A	N/A	N/A	N/A				
	D67	45	9.7	8.4					21D	44	10.50	8.05	N/A	N/A	N/A	N/A				
	D76	45.7	10.4	8.3					X66	45.9	10.1	8.9	22E	45	10.75	8.5	N/A	N/A	N/A	N/A
	D77	46.3	10.5	8.6					X87	46.9	10.1	8.9	21X	46.5	10.9	8.75	N/A	N/A	N/A	N/A
	D77	46.3	10.5	8.6									25G	47.5	10.1	8.70	N/A	N/A	N/A	N/A
	D77	46.3	10.5	8.6									24F	44.5	12	8.45	N/A	N/A	N/A	N/A
	D88	46.9	10.6	8.7					X77	47	10.1	8.5	21X	46.5	10.9	8.75	N/A	N/A	N/A	N/A
	D88	46.9	10.6	8.7									22G	47	9.6	8.6	N/A	N/A	N/A	N/A
D99	48.3	10.9	9.1	X96	50	10	9.3	25G	47.50	10.10	8.70	N/A	N/A	N/A	N/A					
D	N/A	N/A	N/A	X99	50.6	12.7	9.4	21H	52.50	13	10	N/A	N/A	N/A	N/A					
	N/A	N/A	N/A	X99	50.6	12.7	9.4	21J	54.50	12.4	10.20	N/A	N/A	N/A	N/A					
	N/A	N/A	N/A	X99	50.6	12.7	9.4	22H	50	12.1	9.25	N/A	N/A	N/A	N/A					
K TAPERED	K21	40.2	9.4	7.5	X13	41.5	9.3	7.7	43D	41.5	8.7	7.85	A21	39.9	9.6	7.6				
	K21	40.2	9.4	7.5									A44	41.6	9.3	7.6				
	K22	43	9.6	7.9					T36	43.7	10.1	8.1	42D	43.50	10.25	8	A22	42.8	9.6	7.8
	K24B	43.8	10.6	8.5					T56	44.4	10	8.3	42D	43.50	10.25	8	A24B	43.2	10.5	8.4
	K24B	43.8	10.6	8.5													A24	42.4	10.6	8.4
	K25	47.4	10.5	8.9					T88	47.1	10.6	8.7	42F	46.50	10.50	8.45	A25	47	10.7	8.7
	K25	47.4	10.5	8.9					T76	45.9	10.4	8.2								
	K25	47.4	10.5	8.9					T77	46.2	10.6	8.5								
	K27	49.2	10.9	9.1					T99	48	11.1	9	45H	49.5	11.25	8.85	A27	48.5	10.9	8.9
	K27	49.2	10.9	9.1					T98	50.5	10.8	9.3								
	K41	42.7	9.8	8.2					T36	43.7	10.1	8.1	42C	42	9.5	7.5	A41	41.8	9.9	8.1
	K42	44.3	9.6	8					T66	44.6	10.2	8.3	43F	45.5	9.6	8.8	A42	44	9.9	7.8
K42	44.3	9.6	8	T53	44.6	9.2	8.1													
K42	44.3	9.6	8	T67	45.1	10	8.4													
S SQUARE	S11	41.5	8.6	8.1	Z51	44.6	8.8	8.3	13E	44	9.3	8.1	A11	41.3	8.4	8				
	S12	45.1	8.5	8.6	Z61	45.5	8.7	8.2	13E	44	9.3	8.1	A12	45	8.8	8.4				
	S12	45.1	8.5	8.6									A64	46.9	8.6	8.6				
	S13	45.1	8.5	8.6					13E	44	9.3	8.1								
	S13	43.1	9.4	8.4	Z51	44.6	8.8	8.3	13D	44	9.5	7.75	A13	43.5	9.8	8.3				
	S14	46.6	10.7	8.9	Z74	46.7	9.6	8.8	12E	45.5	10.6	8.5	A14	46.3	10.8	8.8				
	S14	46.6	10.7	8.9	Z84	46.7	9.4	8.7												
	S15	50.3	10.7	9.4	N/A	N/A	N/A	N/A	12G	49	10.6	9.15	A15	49.1	10.8	9				
S15	50.3	10.7	9.4	N/A	N/A	N/A	N/A	11G	48	11.1	8.75	A68	49.4	9.7	9.2					
S17	52	12.8	9.8	Z97	52.2	10.2	9.5	11H	50.50	11.60	9.35	A17	52	13	9.8					
S66	46.4	10.3	8.8	Z85	47.5	9.7	8.6	12F	47	10.25	8.5	A66	46	10.3	8.7					
O OVAL	O31	43	9.3	7.9	O13	41.7	9.5	7.9	62D	43	10.1	8.1	A31	42.7	9.4	8.7				
	O31	43	9.3	7.9	O25	42.8	9.9	8.1												
	O31	43	9.3	7.9	O43	43.6	9.4	8.2												
	O32	45.1	9.5	8.4	O34	43.3	9.7	8	62E	44	10	8	A32	44.7	9.5	8.3				
	O32	45.1	9.5	8.4	O35	43.2	9.8	8												
	O34	48.4	9.8	8.8	O86	47.1	9.9	8.9	62G	48.5	11.9	9.2	A34	48	9.9	8.6				
	O36	46.9	10.3	8.7	O86	47.1	9.9	8.9	65G	47.5	11.5	9	A36	46.4	10.3	8.6				
	O36	46.9	10.3	8.7	O98	48.1	11.8	9												
	O36	46.9	10.3	8.7	O97	49.2	11.5	9												
	O54	47.1	9.5	8.9	O86	47.1	9.9	8.9	65G	47.5	11.5	9	A54	46.3	9.6	8.6				
	N/A	N/A	N/A	N/A	O99	52.5	12.5	9.8												

Enigma Combination Table

Anteriors		Posteriors
Upper	Lower	
S11	L3	P3
S12	L5	P3
S13	L5	P3/P5
S14	L6	P5
S15	L8	P4
S17	L9	P6
S66	L5	P5
K21	L3	P3
K22	L3	P3/P5
K24B	L4	P2
K25	L8	P4
K27	L8	P4
K41	L3	P3/P5
K42	L5	P3/P5
O31	L3	P3
O32	L3	P3/P5
O34	L5	P5
O36	L7	P3/P5
O54	L5	P3/P5
D36	L6	P3/P5
D56	L5	P5
D66	L5	P5
D67	L5	P5
D76	L7	P5
D77	L7	P4/P5
D88	L7	P4/P5
D99	L8	P4

Shade Conversion Table

Vita	Bioform IPN	Bioblend IPN	Ivoclar Chromascope
A1	B91	-	1A/120
A2	B53	104	2A/130
A3	B54	108	1C/140
A3.5	B83	116	1E/230
A4	B84	118	3E/340
B1	B59	100	1A/120
B2	B52	-	1A/120
B3	B55	-	2B/210
B4	B56	110	5B/320
C1	B62	102	1A/120
C2	B94	-	4B/430
C3	B95	-	6D/510
C4	B96	-	4C/520
D2	B92	-	2A/130
D3	B93	-	4A/410
D4	B69	113	6C/440

Enigma Teeth are also available in a Hollywood shade - HB0.

Enigma Anterior Teeth are available in pairs

Enigma anteriors are also available in pairs. In the natural dentition, canine teeth often appear darker than – or of a different shade to – neighbouring incisors and premolars. To reproduce this using other brands often requires buying two sets and wasting one of them. With Enigma teeth you can order exactly what you need from the wide range available. Ordering in pairs can also save money with partial dentures.



Opalescence & Fluorescence

Natural tooth enamel is opalescent, which adds to its translucency without making it look grey. This effect has been built into Enigma tooth enamel. The natural healthy tooth also fluoresces under UV lighting as does Enigma. So a denture made using Enigma teeth reflects and refracts light arriving from different directions mimicking the beauty and vitality of natural living teeth.

Matching Posterior Teeth

The complex colour blending of the anteriors is carried through to the posteriors so that their cusps mimic those of natural teeth. The darker neck colour adds to the feeling that here too a superior tooth is being used. Enigma posteriors have high strength, high resistance to wear, and the same bond strength to the denture base as the anteriors.

Function & Design

The importance of correct function cannot be overstated. Well defined points of initial contact between working cusps and fossae as well as defined excursive pathways between the opposing cusps ensure a stable denture and efficient mastication.

Enigma posteriors have been designed with a 23° cuspal angle and comply with the above principles of occlusion.

A well defined mastication zone and reduced lingual cusps increase tongue space and lower the occlusal forces.

