



IPN® Teeth Mould Chart

IPN® Teeth Mould Chart

Portrait® IPN
Bioblend® IPN
Bioform® IPN



For better dentistry

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PROSTHETICS



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For better dentistry

DENTSPLY
PROSTHETICS

TRUBYTE

2

IPN® TEETH

OVER 2 DECADES OF
SUPERLATIVE PERFORMANCE

YOUR BEST CHOICES FOR A PREMIUM DENTURE.



Over 2 Decades of IPN® Material Performance

Unrivaled performance since 1981, unmatched tooth variety and selection, unequivocal evidence of superiority from rigorous scientific evaluations, and unparalleled protection of the industry's broadest tooth warranty – those are just a few of the reasons why countless dental professionals trust Trubyte IPN teeth to satisfy their patients.

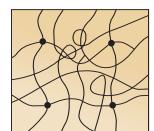
IPN teeth also offer an exceptional warranty against excessive wear, abrasion, stain, cracking, crazing and loss of luster. This guarantee ensures optimum function and overall aesthetics.

And unlike other hardened plastic teeth, IPN teeth are able to mimic the gradual wear of tooth enamel, while delivering outstanding occlusal integrity and long-lasting aesthetics. The low wear feature is due to a proprietary chemistry that employs an Interpenetrating Polymer Network (IPN). This is formed when a highly engineered cross-linked polymer is combined with a special cross-linked monomer to form a highly wear-resistant double cross link.

Look for the Crescent on the linguals of Trubyte premium anteriors and on the buccal of the first molar on premium posteriors. This is your proof that quality Trubyte IPN premium teeth were used.

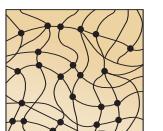


Conventional
Acrylic Material

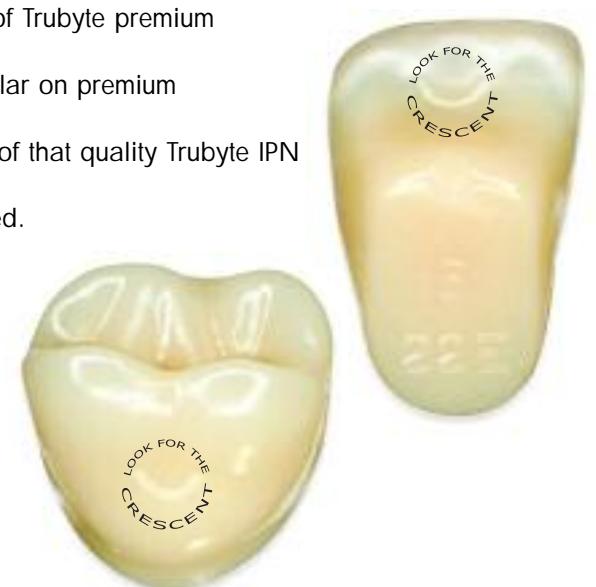


Single Cross-Linked
Polymer

IPN Material



Double Cross-Linked
Polymer



3

THREE SHADE SYSTEMS

THREE PREMIUM BRANDS



3 Shade Systems

Our Bioform Mould System is offered in three distinct IPN brands, each in separate shade guides. These provide you with significant aesthetic advantages: The ability to enhance every smile, to match existing dentition, and to satisfy the most discriminating dental professionals and their patients.

Bioblend® IPN

The 12 characterized blends of Bioblend IPN teeth are carried across the set and exemplified with the three-tooth tabs displayed in the Bioblend blend selector. Many of the moulds are characterized by the skilled hands of our craftspeople to mimic natural decalcification and check lines.

Bioform® IPN

Bioform IPN teeth feature the 24 shades from the Bioform shade guide, one of the most popular in removable prosthodontics. Each Bioform mould is an exact duplicate of a healthy, natural tooth with all the subtle anatomical details so important to a lifelike appearance.

Portrait® IPN

Portrait IPN teeth are available in all 16 A-D shades, the most popular "Base 8" Bioform shades, as well as three modern white shades in the illuminé™ range. These teeth – developed, tested and approved through research involving more than 2,000 dentists and lab technicians from North America – deliver an unmatched combination of aesthetics, function and performance. Each anterior tooth blends three different shaded layers of IPN material, creating five distinct aesthetic zones.



4

BASIC FORMS

A GUIDE TO NATURAL ANTERIOR ARRANGEMENT



4 Basic Facial Forms

The principle of natural aesthetic harmony between face form and maxillary anterior tooth arrangement supports that there are four basic face form classifications observed in nature. This theory has been well demonstrated by clinical research and extensive application in many private dental offices. For each of these categories, there is a workable corresponding basic anterior tooth arrangement. Similarly, modifications appearing in the basic face form may be reflected by corresponding modifications in the anterior arrangement. The Bioform® mould system incorporates this aesthetic principle into each lifelike mould form which replicates human dentition.

Below, we describe and illustrate the four face forms. A suggested procedure is to use the Trubyte Tooth Indicator (#98981, pictured at right) to classify the patient by face form. To specify the desired arrangement, such as softened or vigorous, for the try-in denture, refer to the Trubyte Anterior Set-Up booklet (#3900). Final individualizing can be accomplished at the try-in appointment.

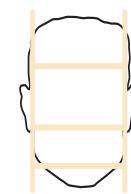
Trubyte Tooth Indicator



Photo courtesy of Drs. Little and Knight, Professionals in Dentistry, San Antonio, TX.

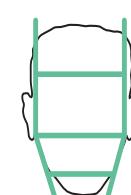
The Square Face

In the Square Face, the sides of the face from the hairline to the levels of the condyles to the angles of the jaw are straight and parallel.



The Square Tapering Face

In the Square Tapering Face, the sides of the head are parallel from the condyles upward. From the condyles downward along the sides of the face, the outline tapers in to the angles of the jaw.



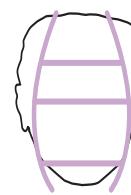
The Tapering Face

The Tapering Face is widest at the hairline and narrowest at the angles of the jaw. The lines converge in toward the jaw.



The Ovoid Face

The Ovoid Face is widest through the center at the level of the condyles. It curves upward and downward to form an oval outline.



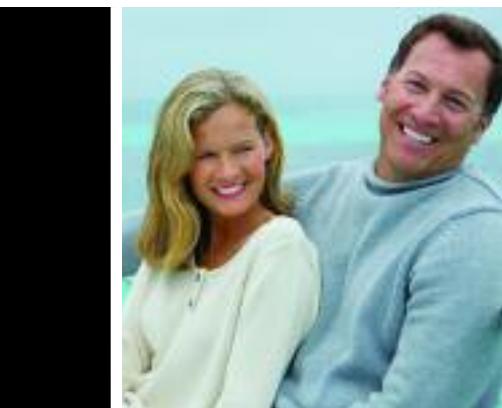
Trubyte classifies these forms even more stringently into seven category breakdowns for even finer patient facial definition as demonstrated in the Mould Chart to follow.

The Bioform Mould Classification System

Steps to Identify and Select Bioform Anterior Moulds

BIOFORM MOULD SYSTEM

UNSURPASSED VARIETY



DESIGNED FROM NATURE

First Number

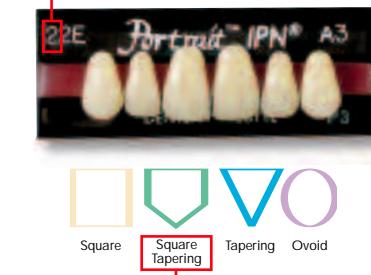
Step 1:

Using the classification from the previous page, select the number from 1 to 7 that best represents the patient's facial form.

The number selected is the first character of the mould identification number, located in the upper left corner of the tooth card.

Classification

1. Square
2. Square Tapering
3. Square Ovoid
4. Tapering
5. Tapering Ovoid
6. Ovoid
7. Square Tapering Ovoid



In the ovoid and ovoid combination forms, the mesio-distal aspect of the labial surface of the maxillary centrals is more or less round. In the square, square tapering and tapering forms, it is more or less flat.

Second Number

Step 2:

Using a flat device such as the Trubyte Tooth Indicator (#98981), select the number from 1 to 6 that represents both the proportion of the tooth (long, medium or short) as well as the facial contour (straight or curved).

The number selected is the second character of the mould identification number.

Proportion and Contour

Proportion of the Tooth

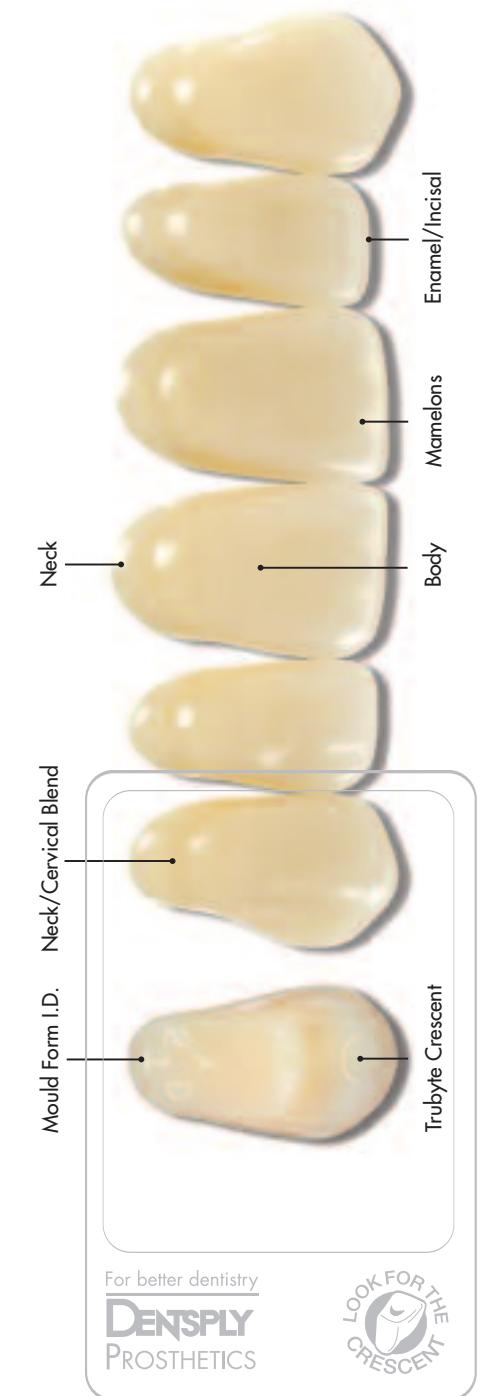
1. Long
2. Medium
3. Short
4. Long
5. Medium
6. Short

Facial Contour

- Straight
Straight
Straight
Curved
Curved
Curved



If you like the magnified view...
use this tool to capture both the mould detail and the Crescent on all IPN teeth.



Letter

Step 3:

Using the Trubyte MM Ruler (Part #3496), measure the width of the upper six anterior teeth on the curve, from distal to distal.

The measurement will fall into one of the ranges identified with the letters B through J.

The letter selected is the third character of the mould identification number.

Width of Upper Six Anterior Teeth on Curve

- B. less than 44.00 mm
- C. 44.00 to 45.50 mm
- D. 45.50 to 48.00 mm
- E. 48.00 to 49.00 mm
- F/X. 49.00 to 51.50 mm
- G. 51.50 to 54.00 mm
- H. 54.00 to 56.00 mm
- J. 56.00 mm or greater



Some moulds may vary from this standard.
Please consult mould chart dimensions.

Quick Reference Guide for Mould and Shade Popularity

Shades and Moulds are listed in Order of Preference based on Product Sales

PORTRAIT IPN SHADE POPULARITY

P2/A2, P3/A3, P1/A1, P62, P3.5/A3.5, P11/B1, P21/C1, P22/C2, P12/B2

Portrait IPN Anterior MOULD Preference

Uppers
Small Moulds: 21D, 42D, 55D
Medium Moulds: 12E, 22E, 42F, 32E, 13E, 43F
Large Moulds: 11H, 45H, 12G, 21X, 21J, 62G

Lowers
Small Moulds: F, C, E
Medium Moulds: N, H, P, M
Large Moulds: S, R, K1, O

Portrait IPN Posterior MOULD Preference Per Category

Portrait IPN 0°: 632, 630
Portrait IPN Anatoline: 332, 330, 334, 336
Portrait IPN 20°: 31M, 29M, 33M, 31L
Portrait IPN 22° BioStabil: 532
Portrait IPN 33°: 32M, 34M, 30M, 32L
Portrait IPN 40° EuroLine: 732

BIOBLEND IPN SHADE POPULARITY

104, 100, 102, 106, 108, 113

Bioblast IPN Anterior MOULD Preference

Uppers
Small Moulds: 21D, 42D, 55D
Medium Moulds: 22E, 12E, 42F, 42G, 32E, 13E
Large Moulds: 21X, 12G, 11H, 21G, 45H, 22G

Lowers
Small Moulds: F, C, E
Medium Moulds: N, P, H, M
Large Moulds: R, S, O

Bioblast IPN Posterior MOULD Preference

Bioblast IPN 22° BioStabil: 532, 530

BIOFORM IPN SHADE POPULARITY

B62, B59, B66, B65, B69, B67, B91

Bioform IPN Anterior MOULD Preference

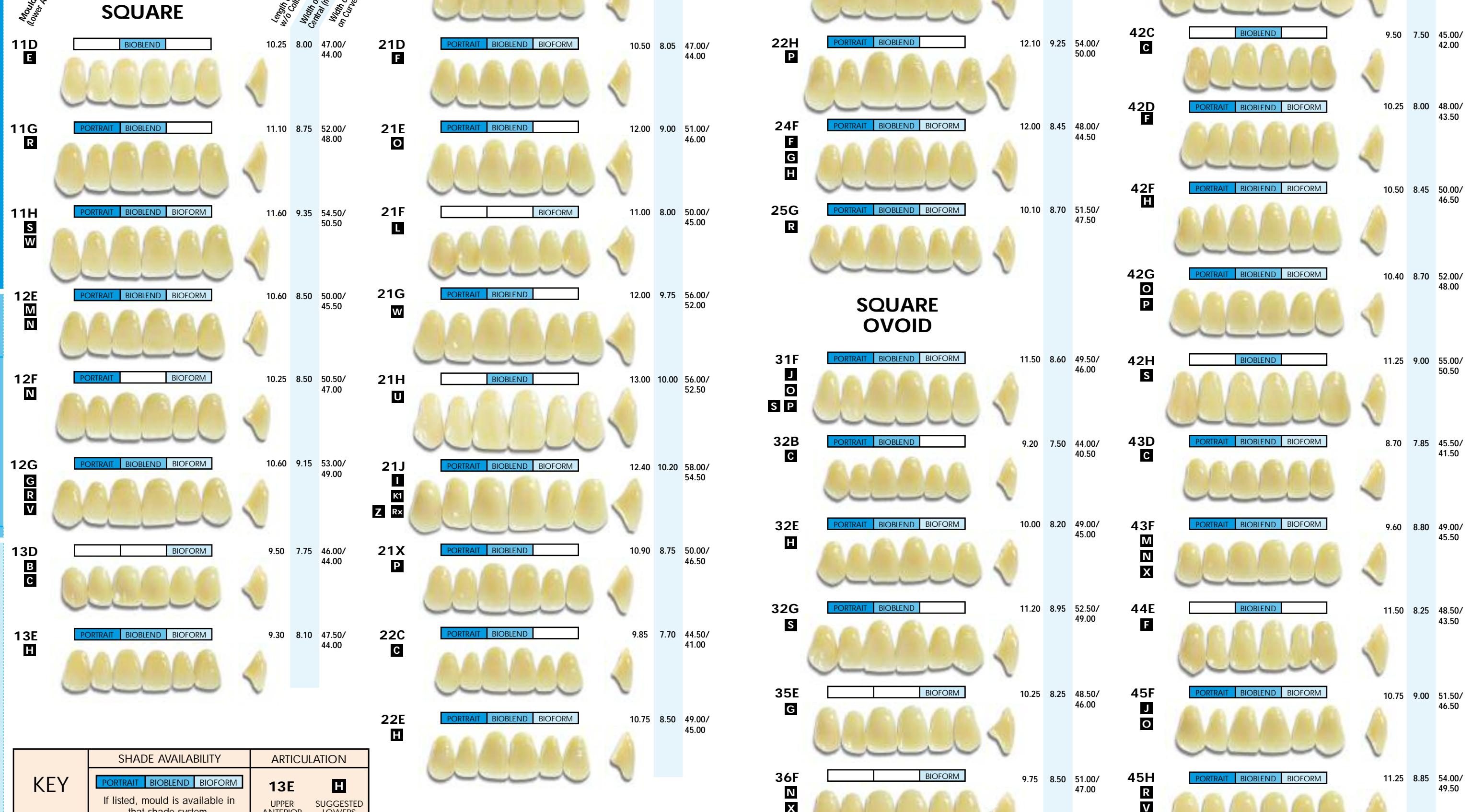
Uppers
Small Moulds: 42D, 21D, 21C, 55D
Medium Moulds: 12E, 22E, 42G, 42F, 43F, 13E
Large Moulds: 11H, 45H, 12G, 21J, 62G, 22G

Lowers
Small Moulds: F, C, E
Medium Moulds: N, P, H, M
Large Moulds: S, R, K1, O

Bioform IPN Posterior MOULD Preference Per Category

Bioform IPN Monoline: 431, 429
Bioform IPN Anatoline: 332, 330, 334
Bioform IPN 20°: 31M, 29M, 33M, 29L
Bioform IPN 30° PT: 230M, 233M, 230L
Bioform IPN 33°: 32M, 34M, 30M, 32L

TRUBYTE® IPN® UPPER ANTERIORS



Bioblast and Bioform moulds are available in both IPN hardened plastic and regular plastic materials.

TRUBYTE IPN

UPPER ANTERIORS

	Mould No. (lower Anteriol)	Length of Central w/o Collar (mm)	Width of Central (mm)	Width of 6 Anteriors on Curve/Rnd (mm)	Mould No. (lower Anteriol)						
TAPERING OVOID											
52C	C	9.00	7.40	44.00/ 40.00	65G	J					
	D					O					
54F	J	11.50	8.65	49.00/ 45.00	65H	S					
	N					U					
55D	E	10.25	8.25	47.50/ 43.50	VOID						
					11.50	9.00	52.00/ 47.50				
55F	M	10.85	8.50	50.50/ 46.50	74E	L					
					11.00	8.30	49.00/ 44.50				
56G	P	9.75	9.25	52.00/ 48.50	74H	K1					
	V				12.25	9.00	54.00/ 50.00				
VOID						75E	N				
62D	F	10.10	8.10	47.00/ 43.00			11.00	8.35	49.50/ 45.50		
					75G	R					
62E	F	10.00	8.00	48.50/ 44.00		V	11.20	9.10	53.50/ 49.00		
					76D	C					
62G	K1	11.90	9.20	52.50/ 48.50			9.25	7.75	45.50/ 42.00		
	R				A84	N					
	Rx						11.60	8.45	48.50/ 44.50		

KEY	SHADE AVAILABILITY		ARTICULATION	
	PORTRAIT	BIOBLEND	BIOFORM	13E H
	If listed, mould is available in that shade system.			UPPER ANTERIOR SUGGESTED LOWERS

Bioblend and Bioform moulds are available in both IPN hardened plastic and regular plastic materials.

LOWER ANTERIORS

	Mould No.	Length of Central w/o Collar (mm)	Width of Central (mm)	Width of 6 Anteriors on Curve/Rnd (mm)
	B	8.25	4.75	35.00/ 32.50
	C	9.00	4.90	35.00/ 31.50
	D	8.25	4.55	33.50/ 30.50
	E	9.40	4.95	38.00/ 33.50
	F	8.85	4.95	36.50/ 32.00
	G	9.65	5.10	38.00/ 34.00
	H	9.10	4.90	36.50/ 32.00
	I	12.25	5.75	43.00/ 36.00
	J	10.25	5.50	40.50/ 35.50
	K	9.25	4.75	36.50/ 31.50
	L	11.85	5.90	43.50/ 38.50
	M	9.00	5.15	37.00/ 33.00
	N	8.80	5.05	39.50/ 35.00
	O	9.10	5.20	38.00/ 33.50
	P	9.80	5.40	40.00/ 35.50
	R	8.75	5.40	39.50/ 35.50
	S	9.25	5.20	40.50/ 36.00
	U	9.65	5.70	40.00/ 38.50
	V	10.50	5.75	42.00/ 38.50
	W	9.00	5.60	41.50/ 37.00
	X	10.25	5.75	42.00/ 39.00
	Z	8.75	5.00	39.00/ 36.00
	Rx	11.50	6.25	45.00/ 42.00
		12.75	5.75	42.00/ 37.00

TRUBYTE IPN

POSTERIORS

PORTRAIT IPN 0° POSTERIOR

Offer minimal interference in lateral excursions. Specially contoured occlusal surfaces of interacting ridges and clearance spaces enhance chewing efficiency and help prevent food packing.

Mould No.

630
X = 30.00
Y = 32.00
U = 8.80
L = 8.80

PORTRAIT BIOFORM



Mould No.

632
X = 32.00
Y = 34.00
U = 9.40
L = 9.40

PORTRAIT BIOFORM



Mould No.

634
X = 34.00
Y = 36.00
U = 9.90
L = 9.90

PORTRAIT BIOFORM



KEY

SHADE AVAILABILITY

PORTRAIT BIOBLEND BIOFORM

If listed, mould is available in that shade system.

Trubyte IPN Posteriors are pictured actual size.

BIOFORM IPN 0° MONOLINE® POSTERIOR

Give the illusion of natural cusps. Unique buccal carvings simulate natural anatomy for superior aesthetics in a flat plane design.

Mould No.

429
X = 29.00
Y = 32.50
U = 7.50
L = 8.00

PORTRAIT BIOFORM



Mould No.

431
X = 31.00
Y = 34.50
U = 8.25
L = 8.00

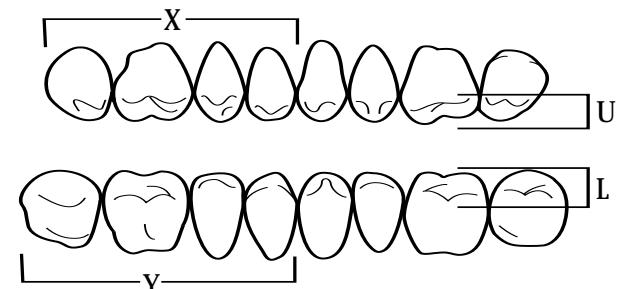
PORTRAIT BIOFORM



Mould No.

433
X = 33.00
Y = 35.50
U = 9.00
L = 9.00

PORTRAIT BIOFORM



The average width of a 1x4 set of upper posteriors = **X**; the lower posteriors = **Y**.

The average depth of the upper left first molar = **U**; the lower left first molar = **L**.

ISO3336: 2000
ANSI/ADA Specification No. 15-2000
Processing instructions available upon request.

PORTRAIT IPN 10° POSTERIOR/ BIOFORM IPN ANATOLINE® POSTERIOR

Provide the look of well-worn natural teeth. Shallow cusps minimize interference, yet provide a definite centric. In occlusion, the upper lingual cusps align to form an exceptionally efficient "lingual cutting knife."

Mould No.

330
X = 30.00
Y = 32.00
U = 7.70
L = 8.25

PORTRAIT BIOFORM



Mould No.

332
X = 32.00
Y = 34.50
U = 8.50
L = 9.25

PORTRAIT BIOFORM



Mould No.

334
X = 34.00
Y = 36.50
U = 9.10
L = 9.40

PORTRAIT BIOFORM



Mould No.

336
X = 36.00
Y = 38.50
U = 9.50
L = 10.50

PORTRAIT BIOFORM



PORTRAIT IPN 20° POSTERIOR/ BIOFORM IPN 20° POSTERIOR

Shallow 20° cusps offer minimal interference in lateral excursions. Specially contoured occlusal surfaces of interacting ridges and clearance spaces enhance chewing efficiency and help prevent food packing.

Mould No.

29S
X = 29.00
Y = 33.25
U = 8.50
L = 8.75

BIOFORM



Mould No.

29M
X = 29.00
Y = 32.50
U = 8.25
L = 9.10

BIOFORM



Mould No.

29L
X = 29.00
Y = 33.00
U = 8.25
L = 9.00

BIOFORM



Mould No.

31S
X = 31.00
Y = 34.75
U = 9.00
L = 9.50

BIOFORM



Mould No.

31M
X = 31.00
Y = 34.50
U = 8.75
L = 9.70

BIOFORM



31L
Bioform
X = 31.00
Y = 35.50
U = 9.00
L = 9.75
Portrait
X = 32.00
Y = 35.50
U = 8.90
L = 9.50

BIOFORM



TRUBYTE IPN

POSTERIORS

PORTRAIT IPN 20° POSTERIOR/ BIOFORM IPN 20° POSTERIOR

Mould No.

33M
X = 33.00
Y = 37.00
U = 9.25
L = 10.25

PORTRAIT **BIOFORM**



Mould No.

33L
Bioform
X = 33.00
Y = 37.50
U = 9.00
L = 10.00

PORTRAIT **BIOFORM**



Mould No.

35M

X = 35.00

Y = 39.50

U = 9.80

L = 10.90

PORTRAIT **BIOFORM**



PORTRAIT IPN 22° BIOSTABIL® POSTERIOR/ BIOBLEND IPN 22° BIOSTABIL

Aesthetically and functionally suited for complete and partial dentures. Shallow non-interfering cusps facilitate freedom in all excursions.

Mould No.

530
X = 30.00
Y = 31.50
U = 7.90
L = 8.25

PORTRAIT **BIOBLEND**



Mould No.

532
X = 32.00
Y = 33.50
U = 8.65
L = 9.00

PORTRAIT **BIOBLEND**



Mould No.

533
X = 33.00
Y = 34.50
U = 10.00
L = 9.70

PORTRAIT **BIOBLEND**



Mould No.

536
X = 36.00
Y = 37.00
U = 10.50
L = 11.00

PORTRAIT **BIOBLEND**



BIOFORM IPN 30° PT® POSTERIOR

Designed and carved for maximum chewing efficiency and easy set-up. In a natural smile, the upper premolars slope inward from the gingival to the occlusal. The PT design simulates this valuable aesthetic consideration.

Mould No.

230S
X = 30.00
Y = 31.50
U = 9.25
L = 9.00

PORTRAIT **BIOFORM**



Mould No.

230M
X = 30.00
Y = 32.00
U = 9.50
L = 9.25

PORTRAIT **BIOFORM**



Mould No.

230L
X = 30.00
Y = 32.00
U = 9.50
L = 9.25

PORTRAIT **BIOFORM**



Mould No.

230LS
X = 30.00
Y = 31.50
U = 9.50
L = 9.00

PORTRAIT **BIOFORM**



Mould No.

233M
X = 33.00
Y = 34.50
U = 10.25
L = 10.00

PORTRAIT **BIOFORM**



Mould No.

233L
X = 33.00
Y = 33.25
U = 10.25
L = 10.50

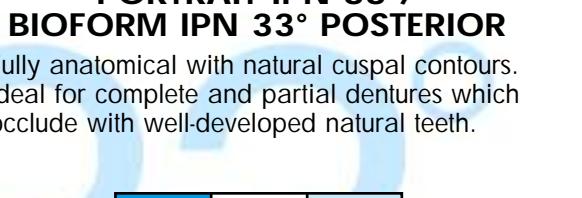
PORTRAIT **BIOFORM**



Mould No.

30M
X = 30.00
Y = 32.50
U = 8.10
L = 8.50

PORTRAIT **BIOFORM**



Mould No.

30L
Bioform
X = 30.00
Y = 33.00
U = 8.00
L = 9.25

PORTRAIT **BIOFORM**



Mould No.

32M
X = 32.00
Y = 34.50
U = 8.50
L = 9.00

PORTRAIT **BIOFORM**



Mould No.

32L
X = 32.00
Y = 35.00
U = 8.50
L = 8.75

PORTRAIT **BIOFORM**



Mould No.

34M
X = 34.00
Y = 36.50
U = 9.10
L = 9.50

PORTRAIT **BIOFORM**



Mould No.

34L
Bioform
X = 34.00
Y = 36.50
U = 9.00
L = 9.75

PORTRAIT **BIOFORM**



PORTRAIT IPN 40° EUROLINE® POSTERIOR

EuroLine IPN 40° posteriors are German designed with a natural-looking "young" occlusal pattern, wide food table and long crown form. Using 30° incisal and condylar guidance settings, they can be arranged for maximum efficiency, aesthetics and integration in full, partial or combination cases.

Mould No.

730
X = 29.00
Y = 30.70
U = 9.90
L = 8.30

PORTRAIT **BIOFORM**



Mould No.

732
X = 32.00
Y = 33.60
U = 11.00
L = 9.20

PORTRAIT **BIOFORM**



Mould No.

734
X = 33.50
Y = 35.50
U = 11.50
L = 9.60

PORTRAIT **BIOFORM**



SHADE AVAILABILITY

See shade availability chart in the "Reference Guides" section, on the following pages, for a full breakdown of shades for anterior and posterior moulds.

