

# IPN® Teeth Mould Chart

Portrait® IPN  
Bioblend® IPN  
Bioform® IPN



**DENTSPLY**

Trubyte®



# Over 2 Decades of IPN® Material Performance

Unrivalled 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.



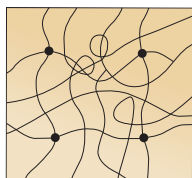
IPN teeth also offer an exceptional warranty against excessive wear, abrasion, stain, cracking, crazing and loss of luster. This guarantee ensures optimum function and overall aesthetics.

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

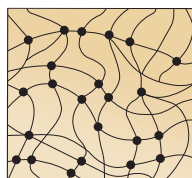
combined with a special cross-linked monomer to form a highly wear-resistant double cross link.

## Conventional Acrylic Material



Single Cross-Linked Polymer

## IPN Material



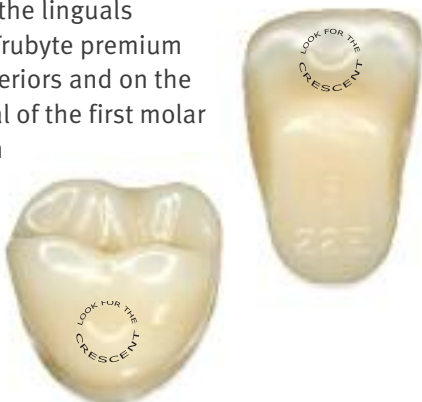
Double Cross-Linked Polymer



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.



# 3 Shade Systems

Our Bioform Mould System is offered in three distinct IPN brands, each in separate shade systems. 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.

## 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.



## 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.



## 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.



## 4 Basic Facial Forms

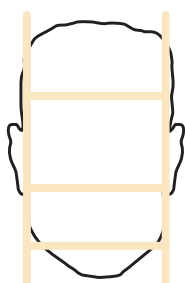
The principle of natural aesthetic harmony between face form and maxillary anterior tooth arrangement supports that there are four basic face form classifications observed in nature. This theory has been well demonstrated by clinical research and extensive application in many private dental offices. 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

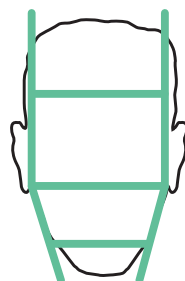


Photo courtesy of Drs. Little and Knight, Professionals in Dentistry, San Antonio, TX.



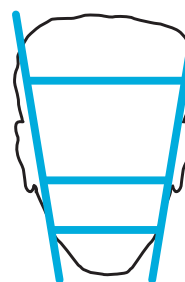
### *The Square Face*

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.



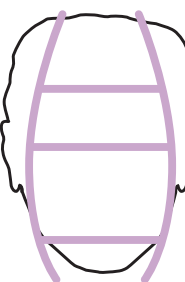
### *The Square Tapering Face*

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

### First Number

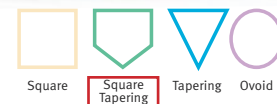
#### Step 1:

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.

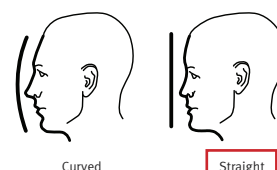
#### Proportion and Contour

##### Proportion of the Tooth

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

##### Facial Contour

1. Straight
2. Straight
3. Straight
4. Curved
5. Curved
6. Curved



### Letter

#### Step 3:

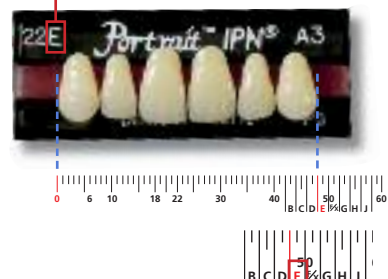
Using the Trubyte MM Ruler (Part #3496), measure the width of the upper six anterior teeth on the curve, from distal to distal.

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

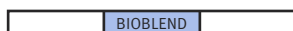


Some moulds may vary from this standard. Please consult mould chart dimensions.

Mould No.  
(Lower Articulation)

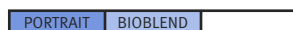
## SQUARE

**11D**  
**E**



Length of Central  
w/o Collar (mm)  
8.00  
Width of  
Central (mm)  
47.00/  
44.00  
Width of 6 Anteriors  
on Curve/Flat (mm)

**11G**  
**R**

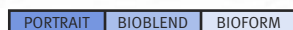


11.10

8.75

52.00/  
48.00

**11H**  
**S**  
**W**

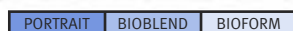


11.60

9.35

54.50/  
50.50

**12E**  
**M**  
**N**



10.60

8.50

50.00/  
45.50

**12F**  
**N**

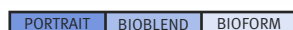


10.25

8.50

50.50/  
47.00

**12G**  
**G**  
**R**  
**V**



10.60

9.15

53.00/  
49.00

**13D**  
**B**  
**C**

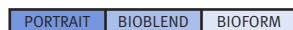


9.50

7.75

46.00/  
44.00

**13E**  
**H**



9.30

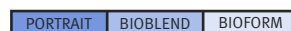
8.10

47.50/  
44.00

Mould No.  
(Lower Articulation)

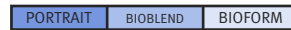
## SQUARE TAPERING

**21C**  
**G**



Length of Central  
w/o Collar (mm)  
10.00  
Width of  
Central (mm)  
7.70  
Width of 6 Anteriors  
on Curve/Flat (mm)  
45.50/  
42.00

**21D**  
**F**

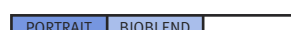


10.50

8.05

47.00/  
44.00

**21E**  
**O**



12.00

9.00

51.00/  
46.00

**21F**  
**L**

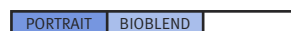


11.00

8.00

50.00/  
45.00

**21G**  
**W**

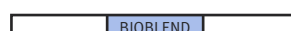


12.00

9.75

56.00/  
52.00

**21H**  
**U**

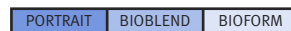


13.00

10.00

56.00/  
52.50

**21J**  
**I**  
**K**  
**L**



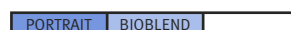
12.40

10.20

58.00/  
54.50

**Z R<sub>1</sub>**

**21X**  
**P**

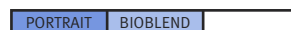


10.90

8.75

50.00/  
46.50

**22C**  
**C**

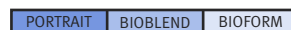


9.85

7.70

44.50/  
41.00

**22E**  
**H**



10.75

8.50

49.00/  
45.00

| KEY | SHADE AVAILABILITY                                         | ARTICULATION                                                      |
|-----|------------------------------------------------------------|-------------------------------------------------------------------|
|     | <p>If listed, mould is available in that shade system.</p> | <p><b>13E</b> <b>H</b></p> <p>UPPER ANTERIOR SUGGESTED LOWERS</p> |

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

Mould No.  
(Lower Articulation)

## SQUARE TAPERING

22G  
O  
P

PORTRAIT BIOBLEND BIOFORM



Length of Central  
w/o Collar (mm)  
9.60  
Width of  
Central (mm)  
8.60  
Width of 6 Anteriors  
on Curve/Flat (mm)  
51.00/  
47.00

22H  
P

PORTRAIT BIOBLEND



12.10  
9.25  
54.00/  
50.00

24F  
F  
G  
H

PORTRAIT BIOBLEND BIOFORM



12.00  
8.45  
48.00/  
44.50

25G  
R

PORTRAIT BIOBLEND BIOFORM



10.10  
8.70  
51.50/  
47.50

## SQUARE OVOID

31F  
J  
O  
P

PORTRAIT BIOBLEND BIOFORM



11.50  
8.60  
49.50/  
46.00

32B  
C

PORTRAIT BIOBLEND



9.20  
7.50  
44.00/  
40.50

32E  
H

PORTRAIT BIOBLEND BIOFORM



10.00  
8.20  
49.00/  
45.00

32G  
S

PORTRAIT BIOBLEND



11.20  
8.95  
52.50/  
49.00

35E  
G

BIOFORM



10.25  
8.25  
48.50/  
46.00

36F  
N  
X

BIOFORM



9.75  
8.50  
51.00/  
47.00

Mould No.  
(Lower Articulation)

## TAPERING

41J  
I  
K1  
Rx

PORTRAIT



Length of Central  
w/o Collar (mm)  
13.25  
Width of  
Central (mm)  
10.00  
Width of 6 Anteriors  
on Curve/Flat (mm)  
58.00/  
53.50

42C  
C

BIOBLEND



9.50  
7.50  
45.00/  
42.00

42D  
F

PORTRAIT BIOBLEND BIOFORM



10.25  
8.00  
48.00/  
43.50

42F  
H

PORTRAIT BIOBLEND BIOFORM



10.50  
8.45  
50.00/  
46.50

42G  
O  
P

PORTRAIT BIOBLEND BIOFORM



10.40  
8.70  
52.00/  
48.00

42H  
S

BIOBLEND



11.25  
9.00  
55.00/  
50.50

43D  
C

PORTRAIT BIOBLEND BIOFORM



8.70  
7.85  
45.50/  
41.50

43F  
M  
N  
X

PORTRAIT BIOBLEND BIOFORM



9.60  
8.80  
49.00/  
45.50

44E  
F

BIOBLEND



11.50  
8.25  
48.50/  
43.50

45F  
J  
O

PORTRAIT BIOBLEND BIOFORM



10.75  
9.00  
51.50/  
46.50

45H  
R  
V

PORTRAIT BIOBLEND BIOFORM



11.25  
8.85  
54.00/  
49.50

Mould No.  
(Lower Articulation)

## TAPERING OVOID

Length of Central  
w/o Collar (mm)  
Width of  
Central (mm)  
Width of 6 Anteriors  
on Curve/Flat (mm)

52C  
C  
D

PORTRAIT BIOBLEND BIOFORM



9.00 7.40 44.00/  
40.00

54F  
J  
N

PORTRAIT BIOBLEND BIOFORM



11.50 8.65 49.00/  
45.00

55D  
E

PORTRAIT BIOBLEND BIOFORM



10.25 8.25 47.50/  
43.50

55F  
M

PORTRAIT BIOBLEND BIOFORM



10.85 8.50 50.50/  
46.50

56G  
P  
V

BIOFORM



9.75 9.25 52.00/  
48.50

## OVOID

62D  
F

PORTRAIT BIOBLEND BIOFORM



10.10 8.10 47.00/  
43.00

62E  
F

BIOFORM



10.00 8.00 48.50/  
44.00

Mould No.  
(Lower Articulation)

## OVOID

Length of Central  
w/o Collar (mm)  
Width of  
Central (mm)  
Width of 6 Anteriors  
on Curve/Flat (mm)

62G  
R  
R+  
K1

PORTRAIT BIOBLEND BIOFORM



11.90 9.20 52.50/  
48.50

65G  
J  
O

PORTRAIT BIOBLEND BIOFORM



11.50 9.00 52.00/  
47.50

65H  
S  
U

BIOFORM



11.50 9.75 55.00/  
50.50

## SQUARE TAPERING OVOID

74E  
L

PORTRAIT BIOFORM



11.00 8.30 49.00/  
44.50

74H  
K1

PORTRAIT BIOFORM



12.25 9.00 54.00/  
50.00

75E  
N

PORTRAIT BIOBLEND BIOFORM



11.00 8.35 49.50/  
45.50

75G  
R  
V

PORTRAIT BIOFORM



11.20 9.10 53.50/  
49.00

76D  
C

BIOFORM



9.25 7.75 45.50/  
42.00

A84  
N

PORTRAIT BIOBLEND



11.60 8.45 48.50/  
44.50

| KEY | SHADE AVAILABILITY                                                                                                                  | ARTICULATION                                                                                       |
|-----|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|     | <p>           PORTRAIT           BIOBLEND           BIOFORM         </p> <p>If listed, mould is available in that shade system.</p> | <p> <b>13E</b> <b>H</b> </p> <p>           UPPER ANTERIOR           SUGGESTED LOWERES         </p> |

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

| Mould No. |  |                           | Length of Central<br>w/o Collar (mm) | Width of<br>Central (mm) | Width of 6 Anteriors<br>on Curve/Flat (mm) |  | Mould No. |  |                           | Length of Central<br>w/o Collar (mm) | Width of<br>Central (mm) | Width of 6 Anteriors<br>on Curve/Flat (mm) |
|-----------|--|---------------------------|--------------------------------------|--------------------------|--------------------------------------------|--|-----------|--|---------------------------|--------------------------------------|--------------------------|--------------------------------------------|
| <b>B</b>  |  | BIOFORM                   | 8.25                                 | 4.75                     | 35.00/<br>32.50                            |  | <b>M</b>  |  | PORTRAIT BIOBLEND BIOFORM | 8.80                                 | 5.05                     | 39.50/<br>35.00                            |
| <b>C</b>  |  | PORTRAIT BIOBLEND BIOFORM | 9.00                                 | 4.90                     | 35.00/<br>31.50                            |  | <b>N</b>  |  | PORTRAIT BIOBLEND BIOFORM | 9.10                                 | 5.20                     | 38.00/<br>33.50                            |
| <b>D</b>  |  | PORTRAIT BIOBLEND BIOFORM | 8.25                                 | 4.55                     | 33.50/<br>30.50                            |  | <b>O</b>  |  | PORTRAIT BIOBLEND BIOFORM | 9.80                                 | 5.40                     | 40.00/<br>35.50                            |
| <b>E</b>  |  | PORTRAIT BIOBLEND BIOFORM | 9.40                                 | 4.95                     | 38.00/<br>33.50                            |  | <b>P</b>  |  | PORTRAIT BIOBLEND BIOFORM | 8.75                                 | 5.40                     | 39.50/<br>35.50                            |
| <b>F</b>  |  | PORTRAIT BIOBLEND BIOFORM | 8.85                                 | 4.95                     | 36.50/<br>32.00                            |  | <b>R</b>  |  | PORTRAIT BIOBLEND BIOFORM | 9.25                                 | 5.20                     | 40.50/<br>36.00                            |
| <b>G</b>  |  | PORTRAIT BIOFORM          | 9.65                                 | 5.10                     | 38.00/<br>34.00                            |  | <b>S</b>  |  | PORTRAIT BIOBLEND BIOFORM | 9.65                                 | 5.70                     | 40.00/<br>38.50                            |
| <b>H</b>  |  | PORTRAIT BIOBLEND BIOFORM | 9.10                                 | 4.90                     | 36.50/<br>32.00                            |  | <b>U</b>  |  | PORTRAIT BIOBLEND BIOFORM | 10.50                                | 5.75                     | 42.00/<br>38.50                            |
| <b>I</b>  |  | PORTRAIT BIOFORM          | 12.25                                | 5.75                     | 43.00/<br>36.00                            |  | <b>V</b>  |  | PORTRAIT BIOFORM          | 9.00                                 | 5.60                     | 41.50/<br>37.00                            |
| <b>J</b>  |  | PORTRAIT BIOFORM          | 10.25                                | 5.50                     | 40.50/<br>35.50                            |  | <b>W</b>  |  | PORTRAIT BIOBLEND BIOFORM | 10.25                                | 5.75                     | 42.00/<br>39.00                            |
| <b>K</b>  |  | BIOBLEND                  | 9.25                                 | 4.75                     | 36.50/<br>31.50                            |  | <b>X</b>  |  | BIOFORM                   | 8.75                                 | 5.00                     | 39.00/<br>36.00                            |
| <b>K1</b> |  | PORTRAIT BIOBLEND BIOFORM | 11.85                                | 5.90                     | 43.50/<br>38.50                            |  | <b>Z</b>  |  | BIOBLEND                  | 11.50                                | 6.25                     | 45.00/<br>42.00                            |
| <b>L</b>  |  | PORTRAIT BIOFORM          | 9.00                                 | 5.15                     | 37.00/<br>33.00                            |  | <b>Rx</b> |  | PORTRAIT BIOFORM          | 12.75                                | 5.75                     | 42.00/<br>37.00                            |

## **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



**632**

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

PORTRAIT



**634**

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

PORTRAIT



## **BIOFORM IPN 0° 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

BIOFORM



**431**

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

BIOFORM



**433**

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

BIOFORM



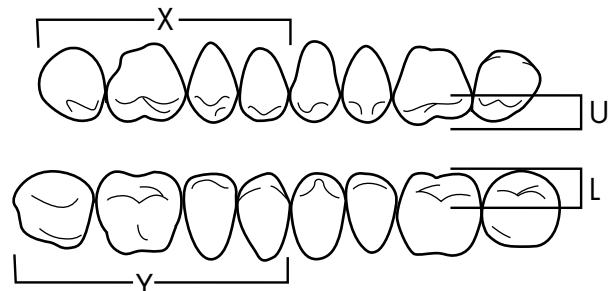
**KEY**

SHADE AVAILABILITY

PORTRAIT BIOBLEND BIOFORM

If listed, mould is available in that shade system.

Trubyte IPN Posteriors are pictured actual size.



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**.

ISO22112 : 2005  
ANSI/ADA Specification No. 15-2008  
Processing instructions available upon request.

## 10° PORTRAIT IPN 10° POSTERIOR/ BIOFORM IPN 10° 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



**332**

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

PORTRAIT BIOFORM



**334**

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

PORTRAIT BIOFORM



**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



**29M**

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

PORTRAIT BIOFORM



**29L**

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

PORTRAIT BIOFORM



**31S**

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

BIOFORM



**31M**

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

PORTRAIT BIOFORM



**31L**

Bioform  
X = 31.00  
Y = 35.50  
U = 9.00  
L = 9.75

PORTRAIT BIOFORM

Portrait

X = 32.00  
Y = 35.50  
U = 8.90  
L = 9.50



Mould No.

**33M**

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

## **PORTRAIT IPN 20° POSTERIOR/ BIOFORM IPN 20° POSTERIOR**

☐ PORTRAIT
 ☐ BIOFORM



**33L**

Bioform

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

Portrait

X = 34.00  
Y = 37.50  
U = 9.50  
L = 10.00

☐ PORTRAIT
 ☐ BIOFORM



**35M**

X = 35.00  
Y = 39.50  
U = 9.80  
L = 10.90

☐ PORTRAIT
 ☐



## **PORTRAIT IPN 22° POSTERIOR/ BIOBLEND IPN 22° BIOSTABIL**

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

**530**

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

☐ PORTRAIT
 ☐ BIOBLEND
 ☐



**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
 ☐



**536**

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

☐ PORTRAIT
 ☐ BIOBLEND
 ☐



## **BIOFORM IPN 30° 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.

**230S**

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

☐
☐
☐ BIOFORM



**230M**

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

☐
☐
☐ BIOFORM



**230L**

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

☐
☐
☐ BIOFORM



**230LS**

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

☐
☐
☐ BIOFORM



Mould No.

### 233M

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

BIOFORM



### 233L

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

BIOFORM



## PORTRAIT IPN 33°/ BIOFORM IPN 33° POSTERIOR

Fully anatomical with natural cuspal contours. Ideal for complete and partial dentures which occlude with well-developed natural teeth.

### 30M

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

PORTAIT BIOFORM



### 30L

**Bioform**  
X = 30.00  
Y = 33.00  
U = 8.00  
L = 9.25  
**Portrait**  
X = 30.00  
Y = 32.50  
U = 7.90  
L = 8.25

PORTAIT BIOFORM



### 32M

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

PORTAIT BIOFORM



### 32L

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

PORTAIT BIOFORM



Mould No.

### 34M

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

PORTAIT BIOFORM



### 34L

**Bioform**  
X = 34.00  
Y = 36.50  
U = 9.00  
L = 9.75  
**Portrait**  
X = 34.00  
Y = 36.75  
U = 8.90  
L = 9.30

PORTAIT BIOFORM



## PORTRAIT IPN 40° 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.

### 730

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

PORTAIT



### 732

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

PORTAIT



### 734

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

PORTAIT



## 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.

# CHARTS

For your convenience, the following chart provides a simple reference between several brands of anterior teeth and Vita® shades.

Shade matching is best done with a color corrected fluorescent light having a Color Rendering Index above 90 or in natural daylight. This type of light source was used in our developmental research. For a variety of technical reasons, such as viewing and illuminating conditions, the perception of the shade match may vary.

Due to distinctive blend and shade characteristics of each brand of teeth, exact comparisons are not possible.

## TRUBYTE® IPN® SHADE CONVERSION CHART

| Shade Match   |                 |                  | Shade Correlation |               |                |
|---------------|-----------------|------------------|-------------------|---------------|----------------|
| Portrait® IPN | Vita® Classical | Vita® 3D-Master® | Bioform® IPN      | Bioblend® IPN | Trublend® SLM® |
| P1            | A1              | 1M1              | B51               |               | T9             |
| P2            | A2              | 3R1.5            | B53               | 104           | T11            |
| P3            | A3              | 3M2              | B54               | 108           | T13            |
| P3.5          | A3.5            | 3R2.5            | B83               | 116           | T19            |
| P4            | A4              | 4R1.5            | B84               | 118           | T20            |
|               |                 |                  |                   |               |                |
| P11           | B1              | 2M1              | B59               | 100           | T2             |
| P12           | B2              | 2M2              | B52               |               | T22            |
| P13           | B3              | 2M3              | B55               |               | T24            |
| P14           | B4              | 4L2.5            | B56               | 110           | T23            |
|               |                 |                  |                   |               |                |
| P21           | C1              | 2R1.5            | B91               | 102           | T10            |
| P22           | C2              | 3L1.5, 4M1       | B94               |               | T6             |
| P23           | C3              | 4L1.5, 4M2       | B95               |               | T7             |
| P24           | C4              | 5M1, 5M2         | B96               |               | T8             |
|               |                 |                  |                   |               |                |
| P32           | D2              | 3M1              | B92               |               | T3             |
| P33           | D3              |                  | B93               |               | T14            |
| P34           | D4              |                  | B69               | 113           | T5             |
|               |                 |                  |                   |               |                |
| P59           |                 | 1M2              | B59               | 100           | T2             |
| P62           |                 | 2L1.5            | B62               | 102           | T10            |
| P65           |                 |                  | B65               | 106           | T15            |
| P66           |                 | 2L2.5, 2R2.5     | B66               | 112           | T12            |
|               |                 |                  |                   |               |                |
| P67           |                 | 2M3              | B67               | 109           | T16            |
| P69           |                 | 3L2.5            | B69               | 113           | T5             |
| P77           |                 |                  | B77               |               | T17            |
| P81           |                 | 4M3, 5M3         | B81               | 114           | T18            |
| PW2*          |                 | 0M2, 0M3         |                   |               |                |
| PW4*          |                 | 0M1              |                   |               |                |
| PW7*          |                 |                  |                   |               |                |

\*Portrait white shades PW2, PW4 and PW7 correlate to Illumin® i-2™, i-4™ and i-7™ respectively.

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## ADDITIONAL BIOBLEND® SHADE REFERENCE CHART

| Bioblend® Blends                                             | 100 | 102* | 104 | 106 | 108 | 109 | 110 | 112 | 113 | 114 | 116 | 118 |
|--------------------------------------------------------------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Bioform® IPN® Anteriors and IPN Posteriors 33°, 20°, 10°, 0° | B59 | B66  | B66 | B65 | B67 | B56 | B56 | B56 | B94 | B83 | B84 | B85 |
| Bioform IPN Posteriors 30°                                   | B59 | B66  | B66 | B65 | B67 | B67 | B65 | B65 | B69 | B81 | B81 | B81 |
| Portrait® IPN® Anteriors and Posteriors                      | P11 | P21  | P2  | P65 | P3  | P67 | P14 | P66 | P34 | P81 | -   | P4  |
|                                                              | P59 | P62  |     |     |     |     |     |     | P69 |     |     |     |

\*Contrasting canine and neck stains in 102 make a match very difficult with Bioform Base 8 Shades.

## IPN MOULD/SHADE AVAILABILITY CHART

| Moulds                                              | Shades                                                                                                                                                                            |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Portrait IPN Anteriors                              | All 27 shades of the Portrait IPN Shade Guide: P1, P2, P3, P3.5, P4, P11, P12, P13, P14, P21, P22, P23, P24, P32, P33, P34, P59, P62, P65, P66, P67, P69, P77, P81, PW2, PW4, PW7 |
| Portrait IPN 40°, 33°, 22°, 20°, 10°, 0° Posteriors |                                                                                                                                                                                   |
| Bioblend IPN Anteriors                              | All 12 blends of the Bioblend Blend Selector: 100, 102, 104, 106, 108, 109, 110, 112, 113, 114, 116, 118                                                                          |
| Bioblend IPN 22° BioStabil Posteriors               |                                                                                                                                                                                   |
| Bioform IPN Anteriors                               | See Bioform IPN Anterior Mould/Shade Availability chart below                                                                                                                     |
| Bioform IPN 33°, 20°, 10°, and 0° Posteriors        | All 24 shades of the Bioform Shade Guide: B51, B52, B53, B54, B55, B56, B59, B62, B63, B65, B66, B67, B69, B77, B81, B83, B84, B85, B91, B92, B93, B94, B95, B96                  |
| Bioform IPN 30°                                     | Only in Bioform Shades B59, B62, B65, B66, B67, B69, B77 and B81                                                                                                                  |

## BIOFORM® IPN® ANTERIOR MOULD/SHADE AVAILABILITY\*

| BIOFORM Color Ordered Shades |                                                                                                 |
|------------------------------|-------------------------------------------------------------------------------------------------|
| Mould No. Upper Anteriors    | B51 B52 B53 B54 B55 B56 B59 B62 B63 B65 B66 B67 B69 B77 B81 B83 B84 B85 B91 B92 B93 B94 B95 B96 |
| 11H                          |                                                                                                 |
| 12E                          |                                                                                                 |
| 12F                          |                                                                                                 |
| 12G                          |                                                                                                 |
| 13D                          |                                                                                                 |
| 13E                          |                                                                                                 |
| 21C                          |                                                                                                 |
| 21D                          |                                                                                                 |
| 21F                          |                                                                                                 |
| 21J                          |                                                                                                 |
| 22E                          |                                                                                                 |
| 22G                          |                                                                                                 |
| 24F                          |                                                                                                 |
| 25G                          |                                                                                                 |
| 31F                          |                                                                                                 |
| 32E                          |                                                                                                 |
| 35E                          |                                                                                                 |
| 36F                          |                                                                                                 |
| 42D                          |                                                                                                 |
| 42F                          |                                                                                                 |
| 42G                          |                                                                                                 |
| 43D                          |                                                                                                 |
| 43F                          |                                                                                                 |
| 45F                          |                                                                                                 |
| 45H                          |                                                                                                 |
| 52C                          |                                                                                                 |
| 54F                          |                                                                                                 |
| 55D                          |                                                                                                 |
| 55F                          |                                                                                                 |
| 56G                          |                                                                                                 |
| 62D                          |                                                                                                 |
| 62E                          |                                                                                                 |
| 62G                          |                                                                                                 |
| 65G                          |                                                                                                 |
| 65H                          |                                                                                                 |
| 74E                          |                                                                                                 |
| 74H                          |                                                                                                 |
| 75E                          |                                                                                                 |
| 75G                          |                                                                                                 |
| 76D                          |                                                                                                 |
| Lower Anteriors              | B51 B52 B53 B54 B55 B56 B59 B62 B63 B65 B66 B67 B69 B77 B81 B83 B84 B85 B91 B92 B93 B94 B95 B96 |
| B                            |                                                                                                 |
| C                            |                                                                                                 |
| D                            |                                                                                                 |
| E                            |                                                                                                 |
| F                            |                                                                                                 |
| G                            |                                                                                                 |
| H                            |                                                                                                 |
| J                            |                                                                                                 |
| L                            |                                                                                                 |
| M                            |                                                                                                 |
| N                            |                                                                                                 |
| O                            |                                                                                                 |
| P                            |                                                                                                 |
| R                            |                                                                                                 |
| S                            |                                                                                                 |
| U                            |                                                                                                 |
| V                            |                                                                                                 |
| W                            |                                                                                                 |
| X                            |                                                                                                 |
| K1                           |                                                                                                 |

\*■ Indicates mould/shade combinations which are available.

## 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

##### Lowerers

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

#### Bioblend 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

##### Lowerers

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

#### Bioblend IPN Posterior MOULD Preference

Bioblend IPN 22° BioStabil: 532, 530

### BIOFORM IPN SHADE POPULARITY

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

#### Bioform IPN Anterior MOULD Preference

##### Uppers

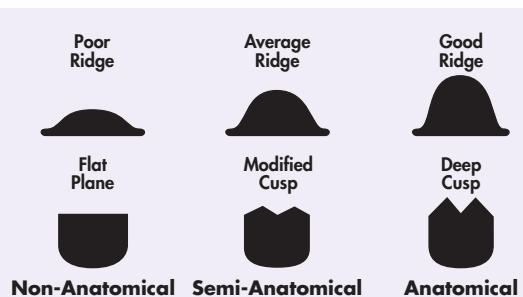
Small Moulds: 42D, 21D, 21C, 55D  
Medium Moulds: 12E, 22E, 42G, 42F, 43F, 13E  
Large Moulds: 11H, 45H, 12G, 21J, 62G, 22G

##### Lowerers

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



## SUGGESTED ARTICULATIONS AND COMBINATIONS CHART

Once you have selected the upper anterior mould form, simply read across the chart from left to right to combine the suggested corresponding lower anterior form, as well as the appropriate posterior form for accurate articulation.

| Trubyte Anteriors        |                                 | Trubyte Posterior Moulds |                         |                                     |                           |                                      |                    |                           |                       |
|--------------------------|---------------------------------|--------------------------|-------------------------|-------------------------------------|---------------------------|--------------------------------------|--------------------|---------------------------|-----------------------|
| Anterior Upper Mould No. | Articulates With Anterior Lower | Non-Anatomical           |                         | Semi-Anatomical                     |                           |                                      | Anatomical         |                           |                       |
|                          |                                 | Portrait 0°              | Bioform IPN 0° Monoline | Portrait 10°/ Bioform IPN Anatoline | Portrait/ Bioform IPN 20° | Portrait/ Bioblend IPN 22° BioStabil | Bioform IPN PT 30° | Portrait/ Bioform IPN 33° | Portrait 40° EuroLine |
| 11D                      | E                               | 632                      | 431                     | 332                                 | 31L                       | 532                                  | 230L               | 30L                       | 732                   |
| 11G                      | R                               | 632                      | 433                     | 332                                 | 33M                       | 532                                  | 233L               | 32L                       | 732                   |
| 11H                      | S, W                            | 634                      | 433                     | 334, 336 <sup>1</sup>               | 33M, 35M <sup>1</sup>     | 533, 536                             | 233M, 233L         | 34M                       | 734                   |
| 12E                      | M, N                            | 632                      | 431                     | 332                                 | 31M                       | 532                                  | 230L, 233M         | 32L                       | 732                   |
| 12F                      | N                               | 632                      | 431                     | 332                                 | 31M, 31L                  | 532                                  | 233M               | 32L                       | 732                   |
| 12G                      | G, R, V                         | 634                      | 433                     | 334                                 | 33M                       | 533                                  | 233M               | 34M                       | 734                   |
| 13D                      | B, C                            | 630                      | 431                     | 330                                 | 31S, 31M                  | 530                                  | 230M               | 30L, 30LS                 | 730                   |
| 13E                      | H                               | 630                      | 431                     | 330                                 | 31M                       | 530                                  | 230L               | 30L                       | 730                   |
| 21C                      | C                               | 630                      | 429                     | 330                                 | 29M, 29L                  | 530                                  | 230L               | 30L                       | 730                   |
| 21D                      | F                               | 630                      | 429                     | 330                                 | 29L                       | 530                                  | 230L               | 30L                       | 730                   |
| 21E                      | O                               | 632                      | 431                     | 332                                 | 31L, 33L                  | 532                                  | 233L               | 32L                       | 732                   |
| 21F                      | L                               | 632                      | 431                     | 332                                 | 31M, 31L                  | 532                                  | 230L               | 30L                       | 732                   |
| 21G                      | W                               | 634                      | 433                     | 334                                 | 33L                       | 533                                  | 233L               | 34L                       | 734                   |
| 21H                      | U                               | 634                      | 433                     | 334                                 | 33L                       | 533                                  | 233L               | 34L                       | 734                   |
| 21J                      | I, K1, Rx, Z                    | 634                      | 433                     | 334, 336                            | 33M, 35M                  | 533, 536                             | 233M, 233L         | 34L                       | 734                   |
| 21X                      | P                               | 632                      | 431                     | 332                                 | 31M                       | 532                                  | 233M               | 32M                       | 732                   |
| 22C                      | C                               | 630                      | 429                     | 330                                 | 29M                       | 530                                  | 230M               | 30M                       | 730                   |
| 22E                      | H                               | 630                      | 429                     | 330                                 | 29L                       | 530                                  | 230L               | 30L                       | 730                   |
| 22G                      | O, P                            | 632                      | 431                     | 332                                 | 31M                       | 532                                  | 233M               | 32M                       | 732                   |
| 22H                      | P                               | 634                      | 433                     | 334                                 | 33M                       | 533                                  | 233L               | 34L                       | 734                   |
| 24F                      | F, G, H                         | 632                      | 431                     | 332                                 | 31M                       | 532                                  | 230L               | 32L                       | 732                   |
| 25G                      | R                               | 634                      | 433                     | 334                                 | 33M                       | 533                                  | 233M               | 34L                       | 734                   |
| 31F                      | J, O, P, S                      | 632                      | 433                     | 332                                 | 31L, 33L                  | 532                                  | 233L               | 32L                       | 732                   |
| 32B                      | C                               | 630                      | 429                     | 330                                 | 29M                       | 530                                  | 230M               | 30M                       | 730                   |
| 32E                      | H                               | 632                      | 431                     | 332                                 | 31M                       | 532                                  | 230M               | 32M                       | 732                   |
| 32G                      | S                               | 634                      | 433                     | 334                                 | 33M                       | 533                                  | 233M               | 34L                       | 734                   |
| 35E                      | G                               | 632                      | 431                     | 332                                 | 31M, 31L                  | 532                                  | 230L               | 30L                       | 732                   |
| 36F                      | N, X                            | 632                      | 433                     | 332                                 | 33M                       | 532                                  | 233M               | 32L                       | 732                   |
| 41J <sup>2</sup>         | I, K1, Rx                       | 634                      | 433                     | 336                                 | 35M                       | 536                                  | 233L               | 34L                       | 734                   |
| 42C                      | C                               | 630                      | 429                     | 330                                 | 29M, 31M                  | 530                                  | 230L               | 30L                       | 730                   |
| 42D                      | F                               | 630                      | 429                     | 330                                 | 29M, 29L                  | 530                                  | 230L               | 30L                       | 730                   |
| 42F                      | H                               | 632                      | 431                     | 332                                 | 31M                       | 532                                  | 230L               | 32L                       | 732                   |
| 42G                      | O, P                            | 632                      | 431                     | 332                                 | 31M, 33M                  | 532                                  | 233M               | 32M                       | 732                   |
| 42H                      | S                               | 634                      | 433                     | 334                                 | 33L                       | 533                                  | 233L               | 34L                       | 734                   |
| 43D                      | C                               | 630                      | 429                     | 330                                 | 29M, 29L                  | 530                                  | 230L               | 30L                       | 730                   |
| 43F                      | M, N, X                         | 632                      | 431                     | 332                                 | 31M                       | 532                                  | 230L               | 32M                       | 732                   |
| 44E                      | F                               | 632                      | 431                     | 332                                 | 31M                       | 532                                  | 230L               | 32L                       | 732                   |
| 45F                      | J, O                            | 632                      | 431                     | 332                                 | 31L                       | 532                                  | 233M               | 32L                       | 732                   |
| 45H                      | R, V                            | 634                      | 433                     | 334                                 | 33M                       | 533                                  | 233L               | 34L                       | 734                   |
| 52C                      | C, D                            | 630                      | 429                     | 330                                 | 29M                       | 530                                  | 230M               | 30M                       | 730                   |
| 54F                      | J, N                            | 632                      | 431                     | 332                                 | 31L                       | 532                                  | 230L               | 32L                       | 732                   |
| 55D                      | E                               | 630                      | 429                     | 330                                 | 29M                       | 530                                  | 230M               | 30M                       | 730                   |
| 55F                      | M                               | 632                      | 431                     | 332                                 | 31M                       | 532                                  | 230L               | 32L                       | 732                   |
| 56G                      | P, V                            | 632                      | 433                     | 332                                 | 31M, 33M                  | 533                                  | 233M               | 32M                       | 732                   |
| 62D                      | F                               | 630                      | 429                     | 330                                 | 29L                       | 530                                  | 230L               | 30L                       | 730                   |
| 62E                      | F                               | 630                      | 431                     | 330                                 | 31M, 31L                  | 530                                  | 230L               | 30L                       | 730                   |
| 62G                      | K1, R, Rx                       | 634                      | 433                     | 334, 336                            | 33M, 35M                  | 533                                  | 233L               | 34L                       | 734                   |
| 65G                      | J, O                            | 634                      | 433                     | 334                                 | 33M                       | 533                                  | 233M               | 34L                       | 734                   |
| 65H                      | S, U                            | 634                      | 433                     | 334                                 | 33M, 33L                  | 533                                  | 233M, 233L         | 32L                       | 734                   |
| 74E                      | L                               | 630                      | 429                     | 330                                 | 29M, 29L                  | 530                                  | 230L               | 30L                       | 730                   |
| 74H                      | K1                              | 634                      | 433                     | 334, 336                            | 33M, 33L                  | 533                                  | 233L               | 34L                       | 734                   |
| 75E                      | N                               | 630                      | 429                     | 330                                 | 29L                       | 530                                  | 230L               | 30L                       | 730                   |
| 75G                      | R, V                            | 632                      | 431                     | 332                                 | 31M                       | 532                                  | 230L               | 32L                       | 732                   |
| 76D                      | C                               | 630                      | 429                     | 330                                 | 29M                       | 530                                  | 230M               | 30M                       | 730                   |
| A84                      | N                               | 632                      | 431                     | 332                                 | 31M                       | 532                                  | 230L               | 32L                       | 732                   |

<sup>1</sup>Indicated for upper denture combinations only. <sup>2</sup>Softening the canine cusps may yield the best aesthetic results for certain posteriors.

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