



Portrait® IPN®

Mould Chart

Superior Premium Denture Teeth

For dental professionals and laboratories



Build Pride With Portrait® IPN® Denture Teeth



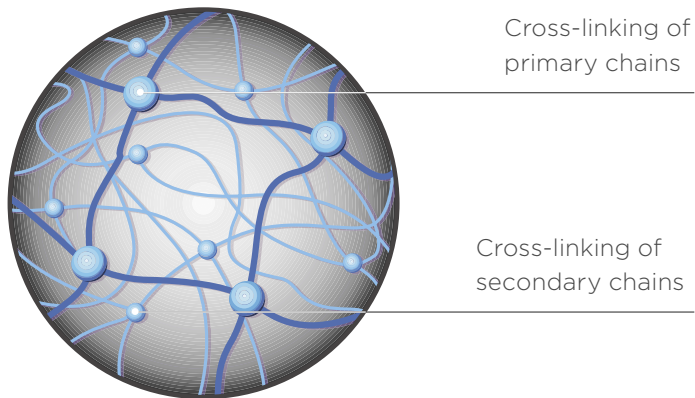
Portrait IPN teeth deliver unique shade blending and youthful aesthetics. Each anterior tooth provides three shaded layers of IPN material creating five, distinct aesthetic zones with natural translucency and well-defined mamelons.



Over three decades of IPN® material performance

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

IPN Structure



Homogenous three-dimensional structure and cross-linking of primary and secondary molecular chains

IPN Characteristics

Inter-penetrating polymer network. Highly cross-linked copolymers, free from inorganic fillers, give this material its superior properties:

- **For full, partial, and implant supported dentures**
- **Excellent abrasion resistance**
- **Excellent colour stability**
- **Maximum bond strength**

The result: high-quality, long-lasting denture teeth.

Shade System

Portrait IPN teeth are available in all 16 A-D* shade designations, the most popular “Base 8” Bioform shades as well as three bleach shades.



* The A1-D4 designations correspond to the VITA classical A1-D4* shade guide which is meant to be a guide, not a match. VITA classical A1-D4 is a registered trademark of VITA Zahnfabrik H. Rauter GmbH & Co.

The ATS Mould Classification System

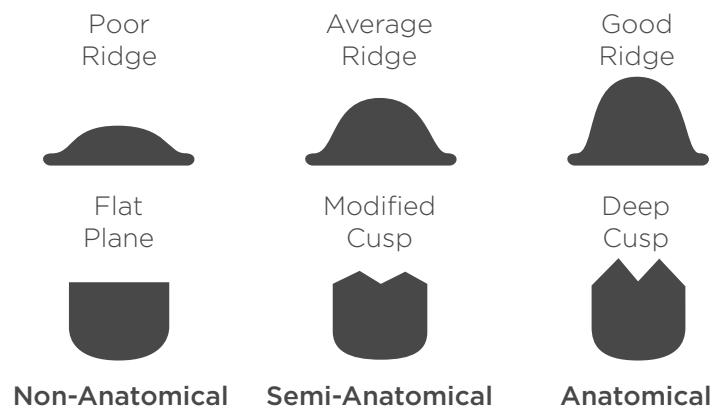
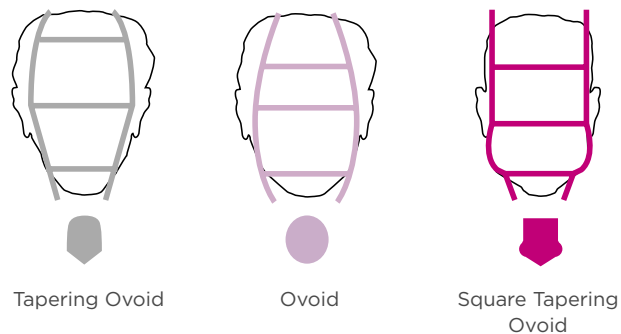
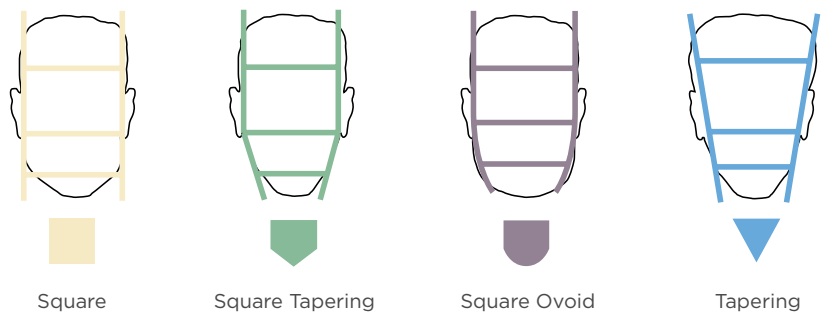
Anatoform Trubyte® System (ATS)

A legacy from which to learn, the Anatoform and Trubyte Systems revolutionized prosthetic dentistry over 100 years ago. In 1913, the Dentists Supply Company of New York, known today as Dentsply Sirona, brought together the two leading pioneers of prosthetic dentistry, Dr. Leon Williams and Dr. Alfred Gysi. Dr. Williams discovered and developed the harmony between facial forms and anterior teeth. Dr. Gysi pioneered posterior tooth forms and denture occlusion in harmony with the temporomandibular joint. The collaboration of Dr. Williams and Dr. Gysi resulted in the creation of the Anatoform technique in Europe and the Trubyte technique in America. The system developed by these pioneers continues to influence prosthetic dentistry through Dentsply Sirona's Anatoform Trubyte System (ATS).

From the foundational work of Dr. Williams and Dr. Gysi, Dentsply Sirona continues to build upon the harmonious anatomical tooth designs and time-tested functional performance of the ATS. Dentsply Sirona is developing new materials and new technologies that are leading prosthetic dentistry to better, faster, safer solutions for technicians, clinicians, and patients.

This mould chart will guide you through the selection of the ideal anatomical tooth for your patient, based upon the ATS philosophy. The harmony of anatomical form and function is provided in this mould chart through seven anterior tooth facial forms, and six functional occlusal angle families.

7 Basic Facial Forms:



Steps to identify and select anterior moulds

1. First number: Classification

Select the number from 1 to 7 that best represents the patient. The number selected is the first character of the mould identification number, located in the upper left corner of the tooth card.

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

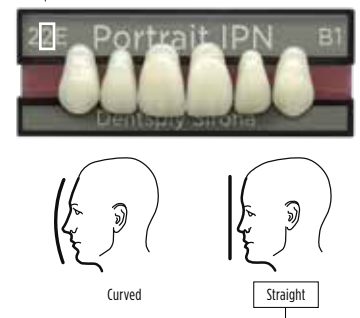


2. Second number: Proportion & Contour

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 of the Tooth | Facial Contour |
|-------------------------|----------------|
| 1. Long | Straight |
| 2. Medium | Straight |
| 3. Short | Straight |
| 4. Long | Curved |
| 5. Medium | Curved |
| 6. Short | Curved |



3. Letter: Width of Upper Six Anterior Teeth on Curve

Using a flexible millimeter ruler, 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.

- 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.

Portrait® IPN® Material: Wear-resistant, long-lasting denture teeth!

For full, partial, and implant supported dentures.



Portrait® IPN® Mould/Shade Availability Table

Moulds

Shades

Portrait IPN Anteriors

Portrait IPN 40°, 33°, 22°, 20°, 10°, 0°
Posteriors

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

Quick Reference Guide for Shade and Mould 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

Maxillary

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

Mandibular

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® 10° | 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 |

Tables

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.

IPN® Shade Conversion Table

Shade Correlation

* Portrait bleach shades PW2, PW4 and PW7 correlate to Illuminè® i-2, i-4 and i-7 respectively.

The A1-D4 designations correspond to the VITA classical A1-D4® shade guide which is meant to be a guide, not a match. VITA, VITA classical A1-D4, and 3D Master are registered trademarks of VITA Zahnfabrik H. Rauter GmbH & Co.

| Shade Match | | | Shade Correlation | |
|----------------|-----------------|-----------------|-------------------|-----------------|
| PORTRAIT® IPN® | VITA 3D-MASTER® | VITA classical® | BIOFORM® IPN®† | BIOBLEND® IPN®† |
| P1 | 1M1 | A1 | B51 | |
| P2 | 3R1.5 | A2 | B53 | 104 |
| P3 | 3M2 | A3 | B54 | 108 |
| P3.5 | 3R2.5 | A3.5 | B83 | 116 |
| P4 | 4R1.5 | A4 | B84 | 118 |
| P11 | 2M1 | B1 | B59 | 100 |
| P12 | 2M2 | B2 | B52 | |
| P13 | 2M3 | B3 | B55 | |
| P14 | 4L2.5 | B4 | B56 | 100 |
| P21 | 2R1.5 | C1 | B91 | 102 |
| P22 | 3L1.5, 4M1 | C2 | B94 | |
| P23 | 4L1.5, 4M2 | C3 | B95 | |
| P24 | 5M1, 5M2 | C4 | B96 | |
| P32 | 3M1 | D2 | B92 | |
| P33 | | D3 | B93 | |
| P34 | | D4 | B69 | 113 |
| P59 | 1M2 | | B59 | 100 |
| P62 | 2L1.5 | | B62 | 102 |
| P65 | | | B65 | 106 |
| P66 | 2L2.5, 2R2.5 | | B66 | 112 |
| P67 | | | B67 | 109 |
| P69 | 2M3 | | B69 | 113 |
| P77 | 3L2.5 | | B77 | |
| P81 | | | B81 | 114 |
| PW2* | 4M3, 5M3 | | | |
| PW4* | OM2, OM3 | | | |
| PW7* | OM1 | | | |

†As of December 2020, these brands will no longer be available for purchase.

Portrait® IPN®

Available in 24 shades and 3 bleach shades

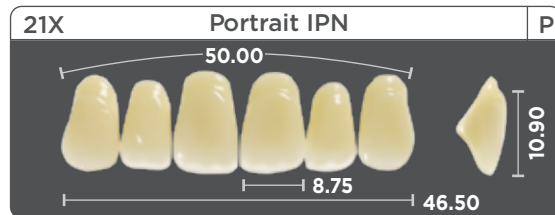
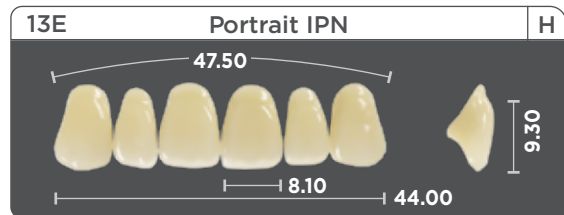
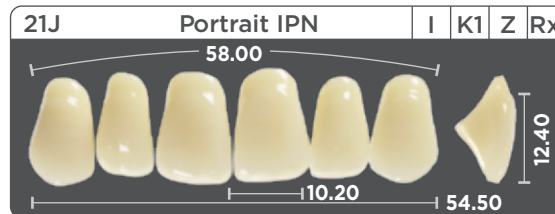
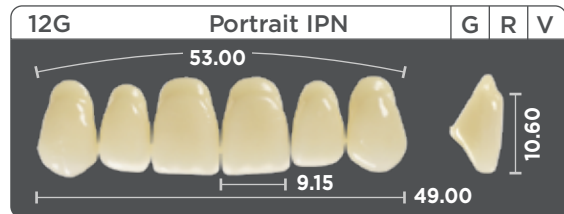
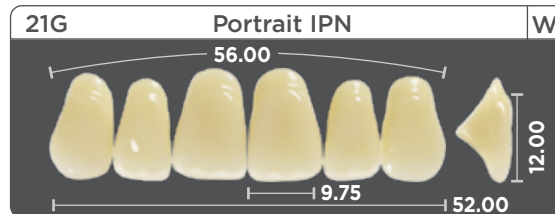
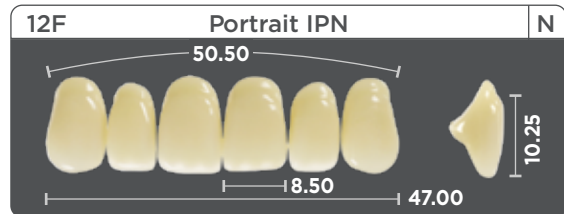
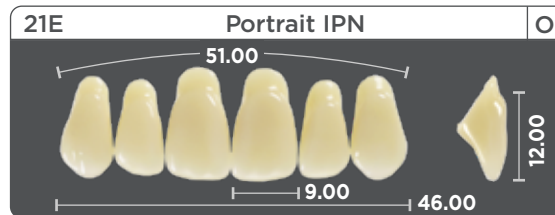
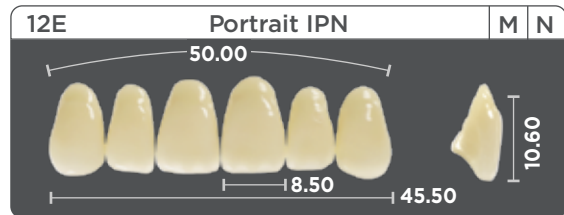
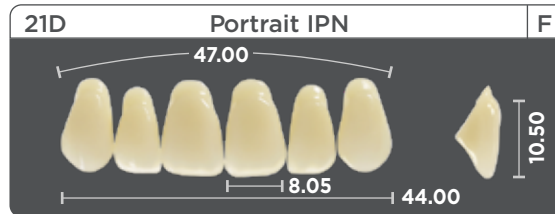
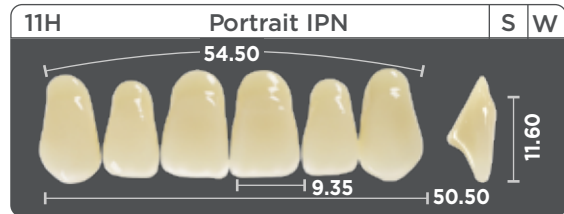
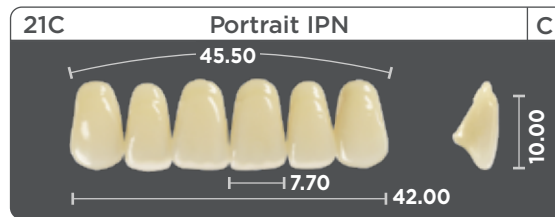
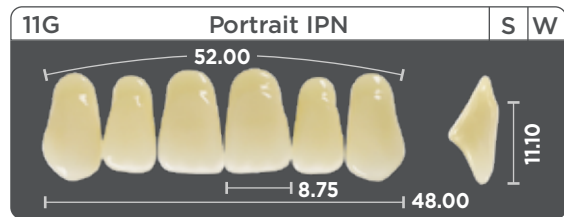
Anteriors Maxillary

All dimensions in mm. Images scaled to size.

| ARTICULATION | |
|--------------|--|
| KEY | 21C C Maxillary Anterior Suggested Mandibular |
| | Curve / Straight 45.50 / 42.00 |

■ Square Mould No. (Lower Articulation)

■ Square Tapering Mould No. (Lower Articulation)



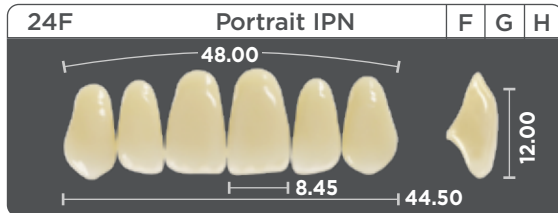
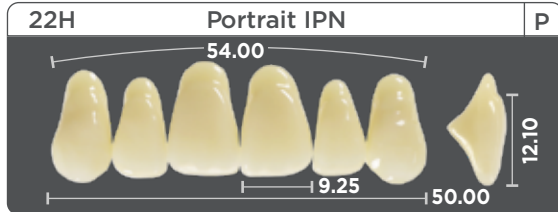
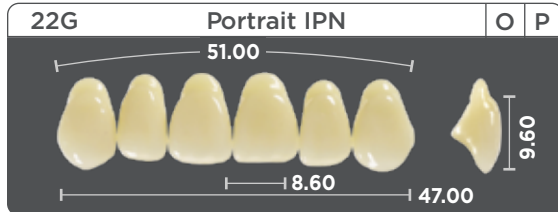
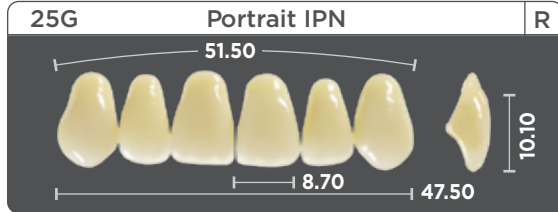
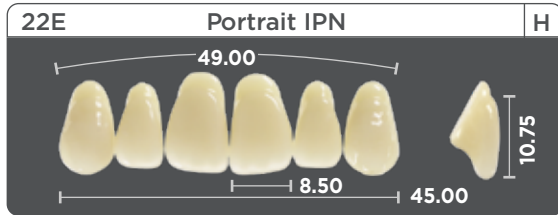
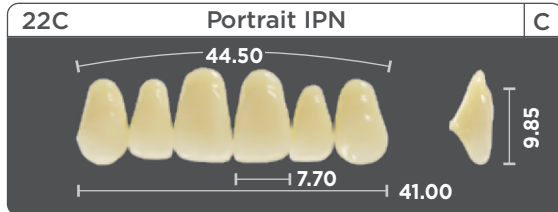
Portrait® IPN®

Available in 24 shades and 3 bleach shades

Anteriors Maxillary

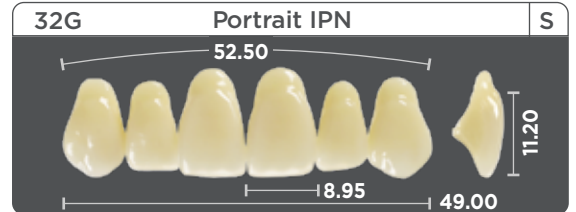
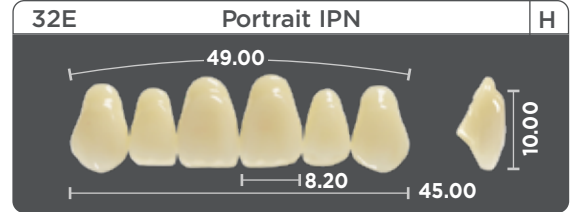
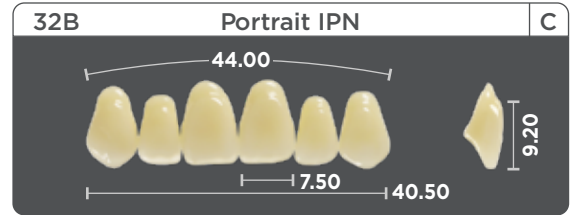
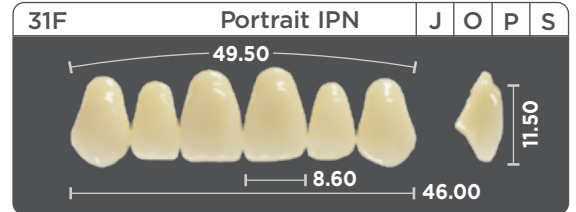
Square Tapering

Mould No.
(Lower Articulation)



Square Ovoid

Mould No.
(Lower Articulation)



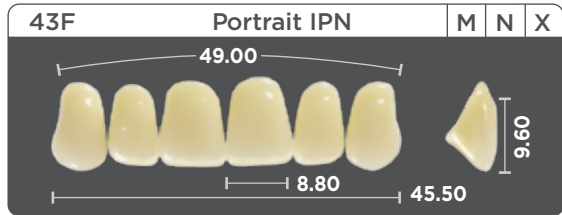
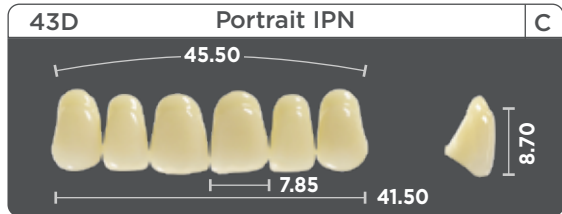
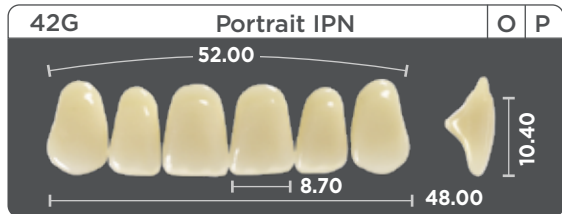
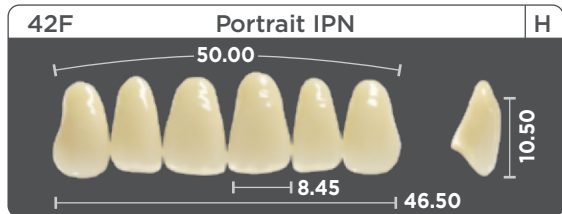
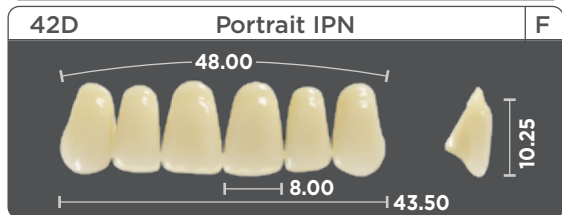
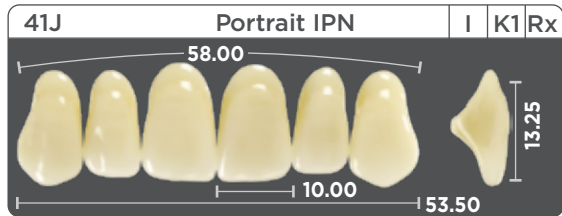
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|--------------|---|
| KEY | 24F Maxillary Anterior F G H Suggested Mandibular |
| | Curve / Straight 48.00 / 44.50 |

Portrait® IPN®

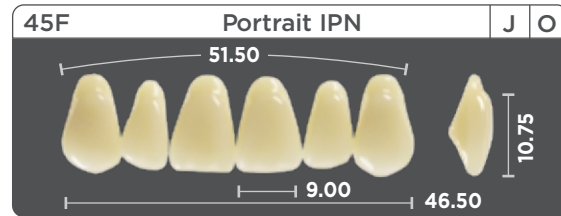
Available in 24 shades and 3 bleach shades

Anteriors Maxillary

▼ Tapering Mould No. (Lower Articulation)



▼ Tapering Mould No. (Lower Articulation)

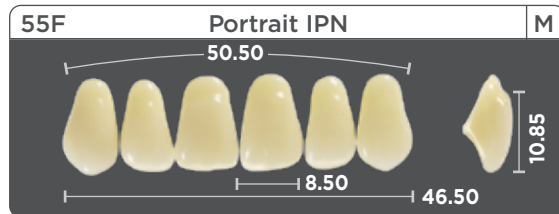
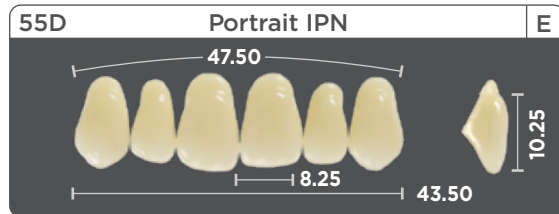
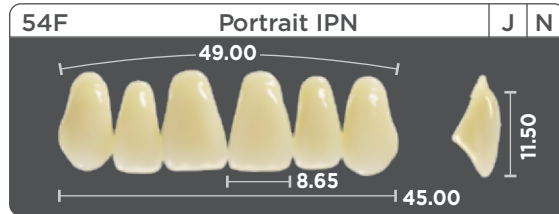
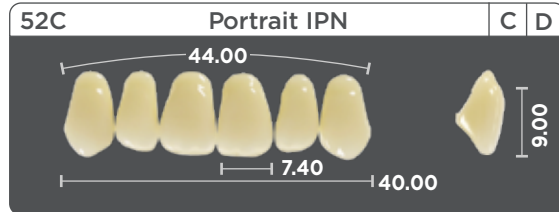


Portrait® IPN®

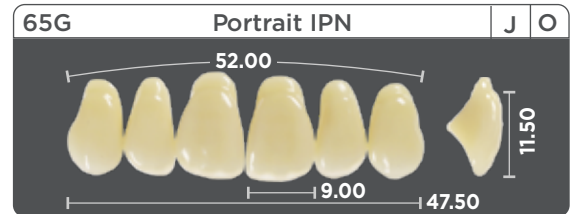
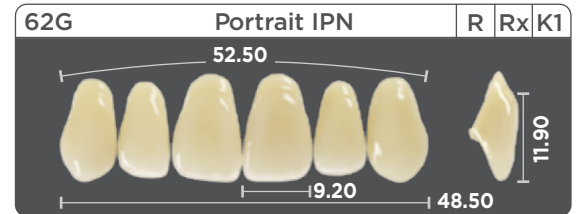
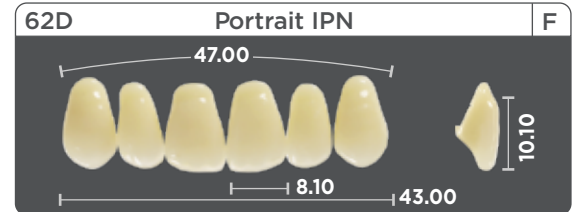
Available in 24 shades and 3 bleach shades

Anteriors Maxillary

 Tapering Ovoid



 Ovoid



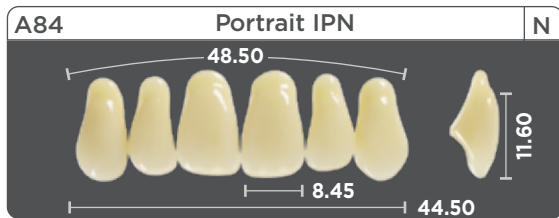
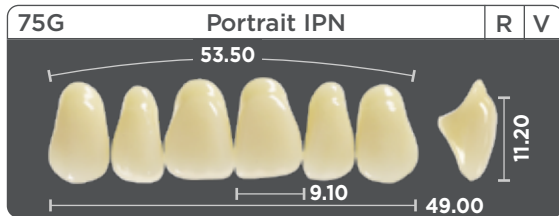
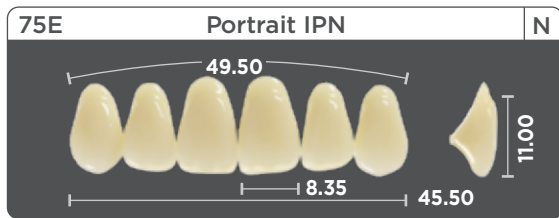
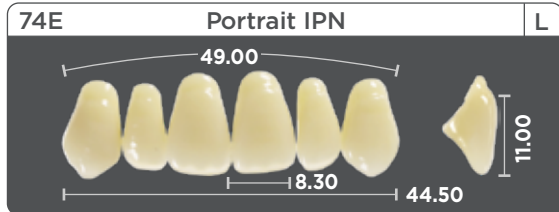
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|--------------|--|
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| | Curve / Straight 50.50 / 46.50 |

Portrait® IPN®

Available in 24 shades and 3 bleach shades

Anteriors Maxillary

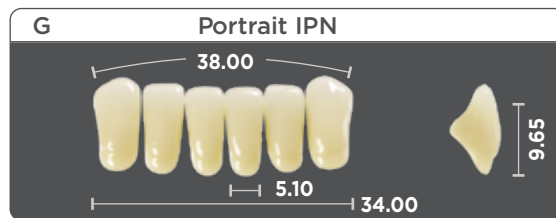
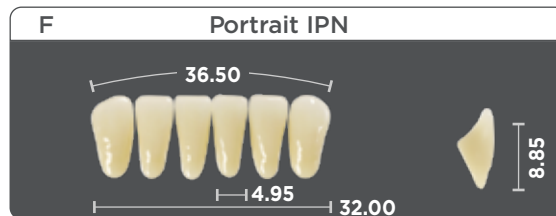
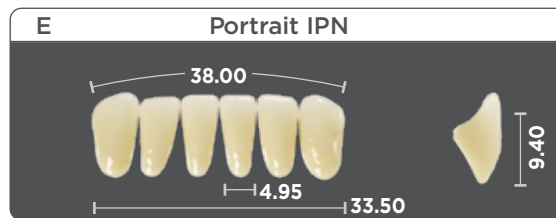
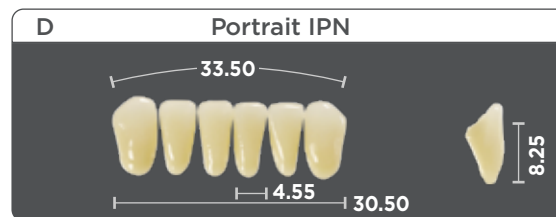
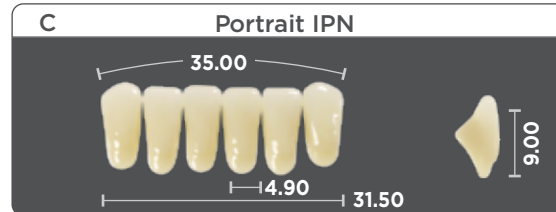
■ Square
■ Tapering Ovoid



Portrait® IPN®

Available in 24 shades and 3 bleach shades

Anteriors Mandibular

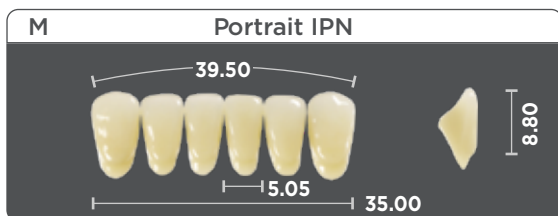
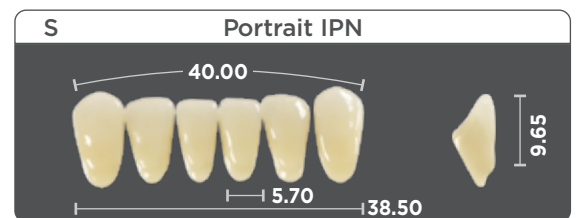
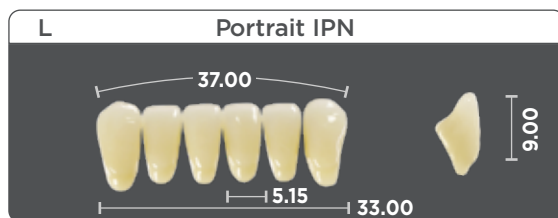
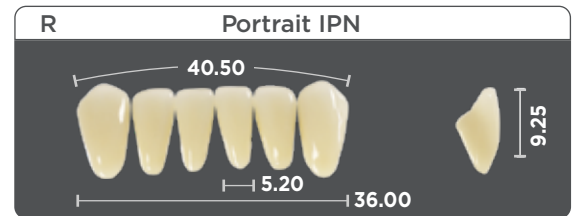
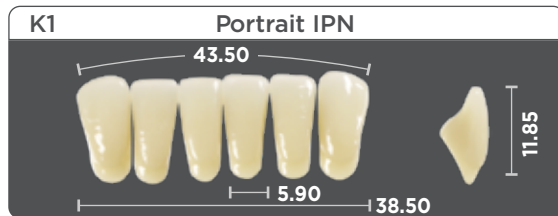
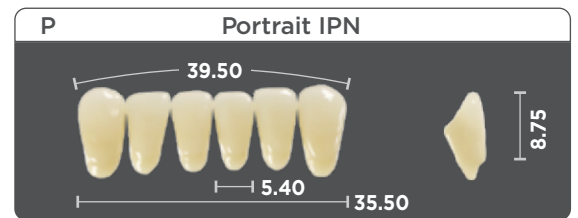
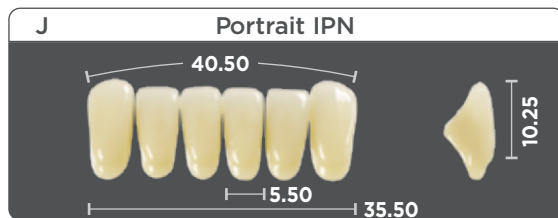
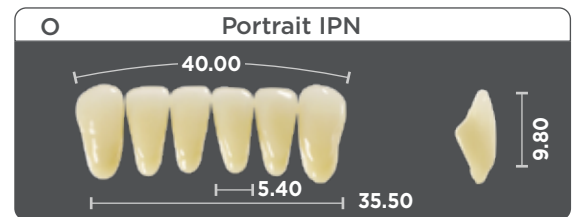
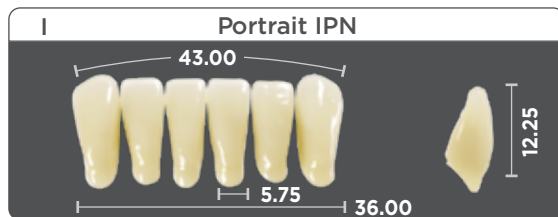
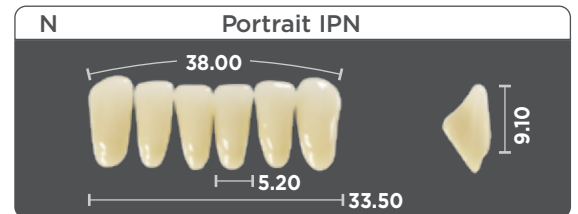
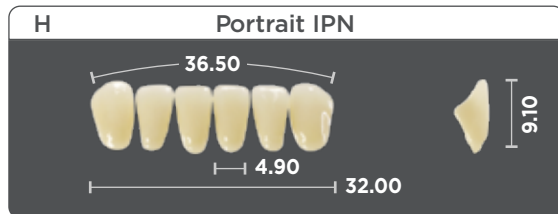


| ARTICULATION | |
|--------------|--|
| KEY | A84 N Maxillary Anterior Suggested Mandibular |
| | Curve / Straight 48.50 / 44.50 |

Portrait® IPN®

Available in 24 shades and 3 bleach shades

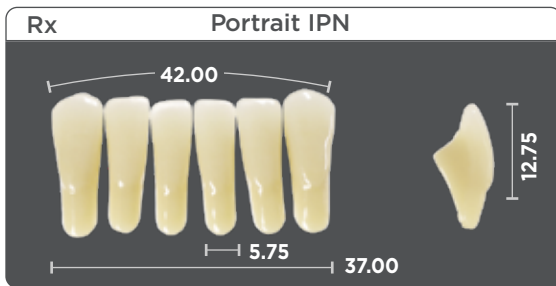
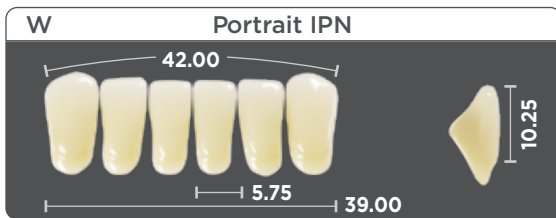
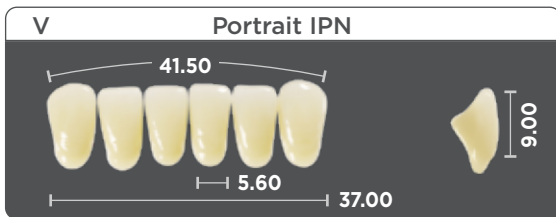
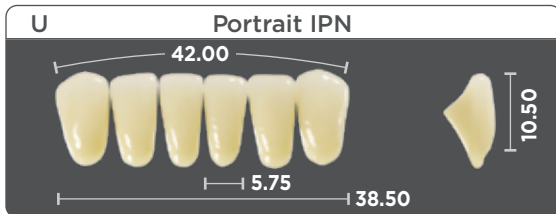
Anteriors Mandibular



Portrait® IPN®

Available in 24 shades and 3 bleach shades

Anteriors Mandibular



Portrait IPN teeth have a versatile combination of aesthetics, function and performance.



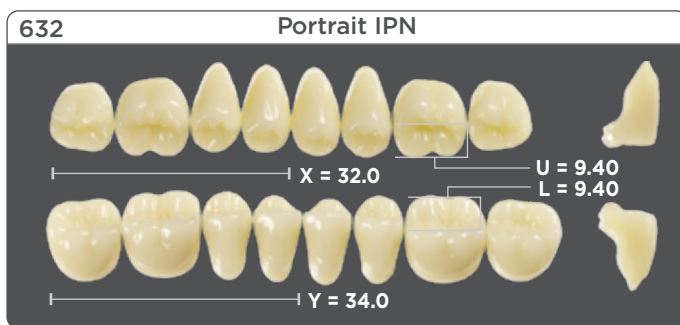
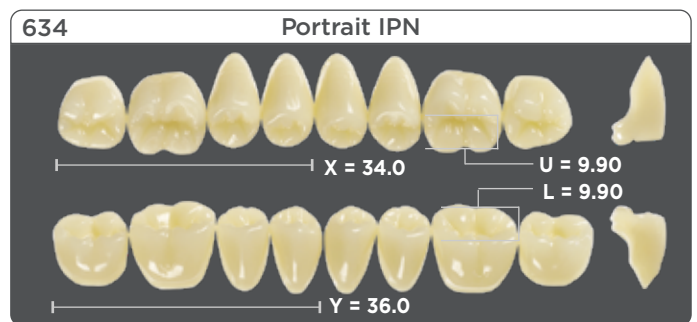
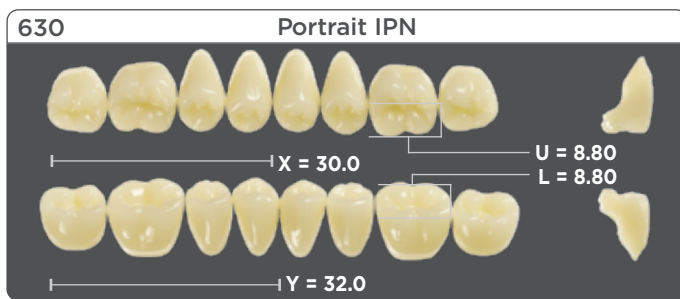
Portrait® IPN®

Available in 24 shades and 3 bleach shades

Posterior Teeth

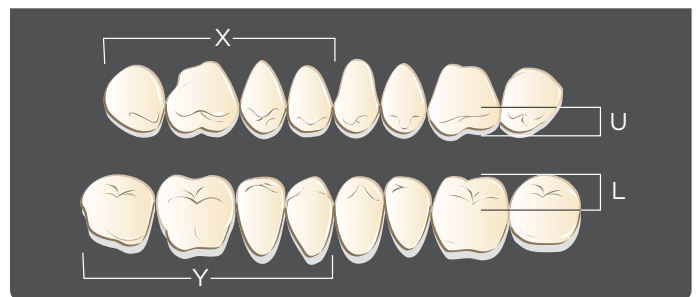
Portrait® IPN® 0° Posteriors

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



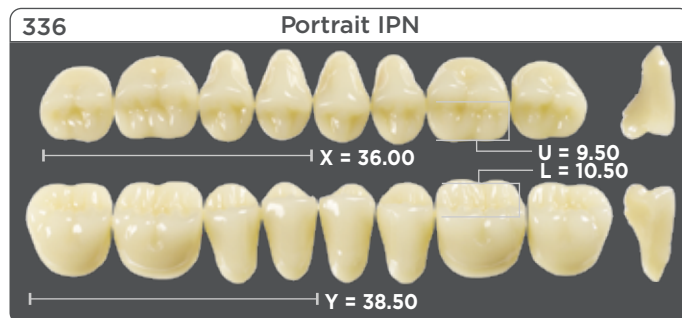
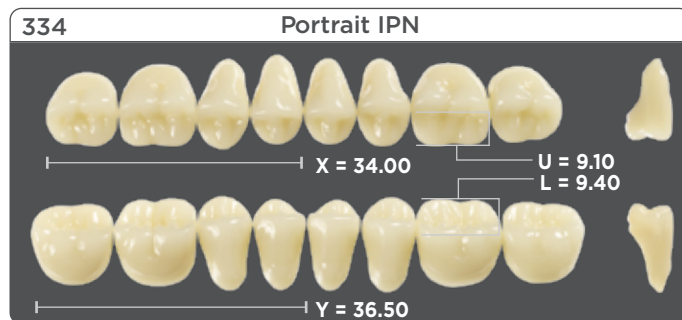
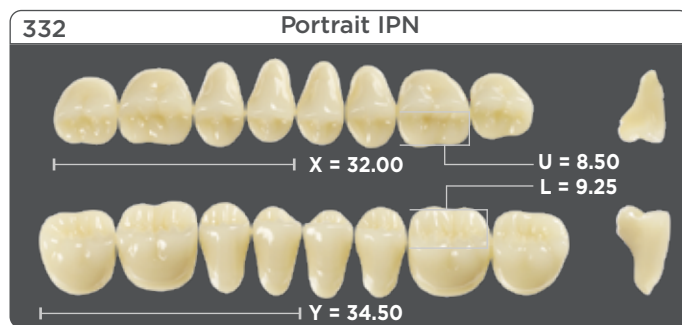
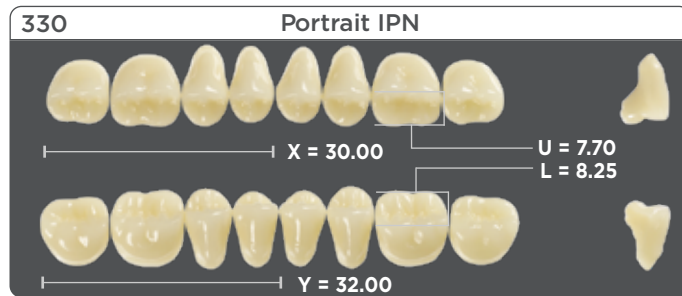
KEY

- X** = The average width of a 1x4 set of maxillary posteriors
 - Y** = The average width of a 1x4 set of mandibular posteriors
 - U** = The average depth of the maxillary left first molar
 - L** = The average depth of the mandibular left first molar
- ISO 22112: 2017. Processing instructions available upon request.



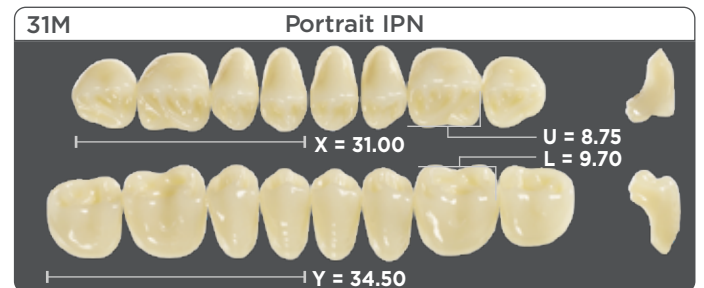
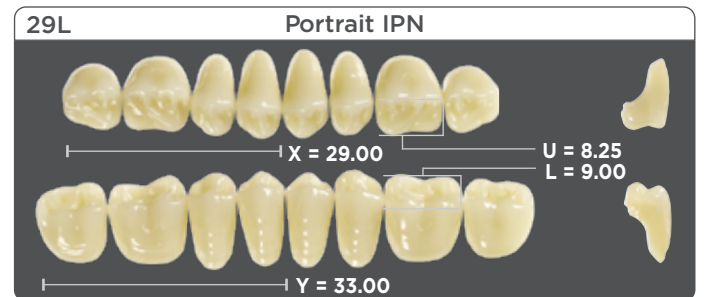
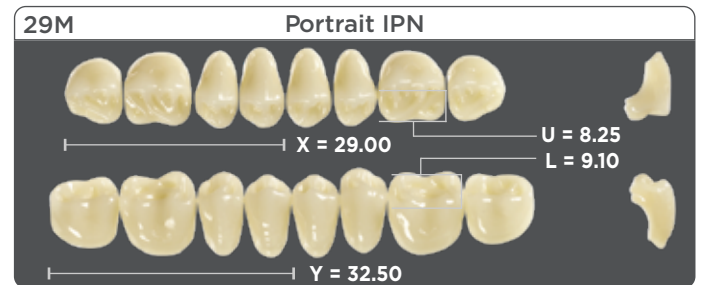
Portrait® IPN® 10° Posteriors

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.”



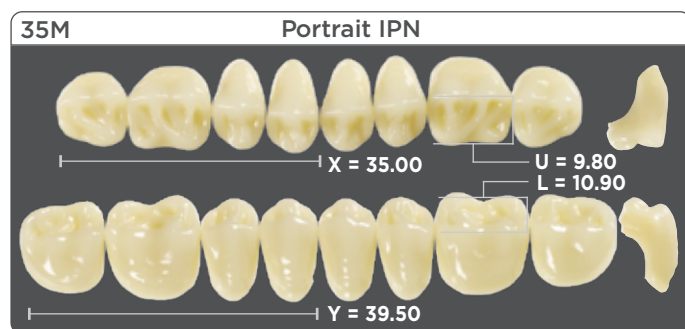
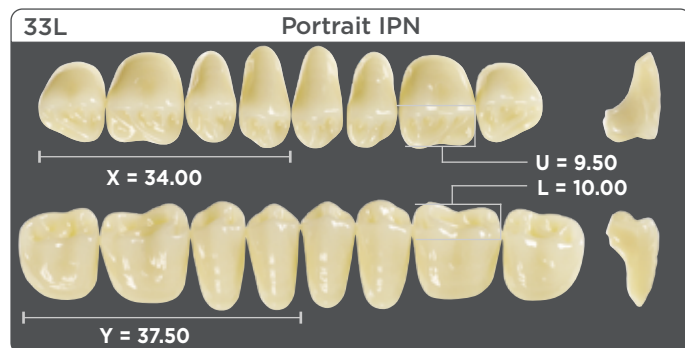
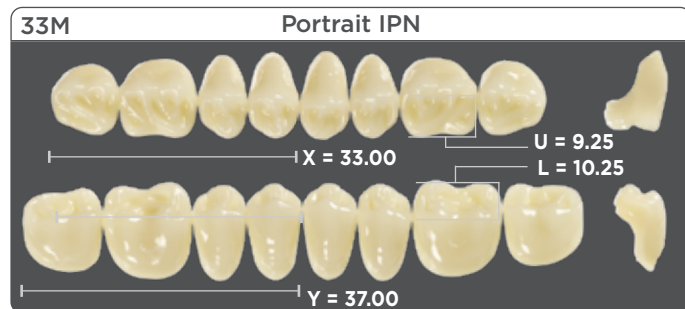
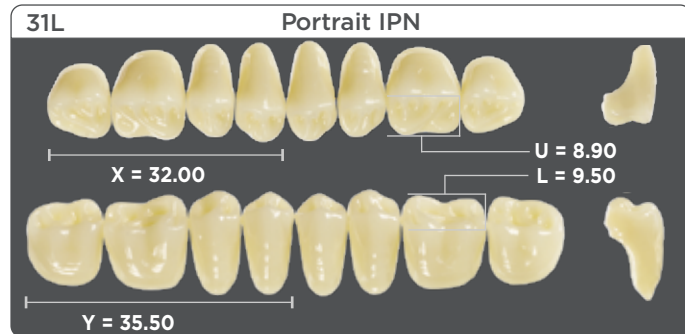
Portrait® IPN® 20° Posteriors

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.



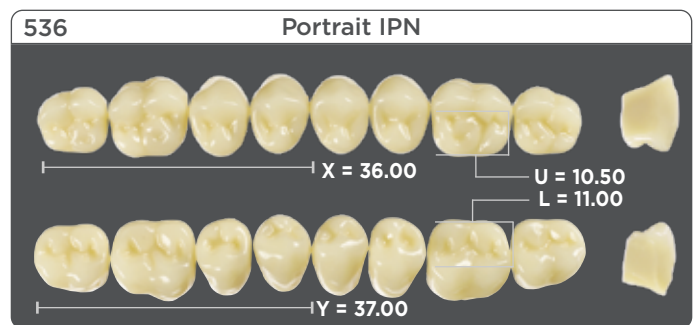
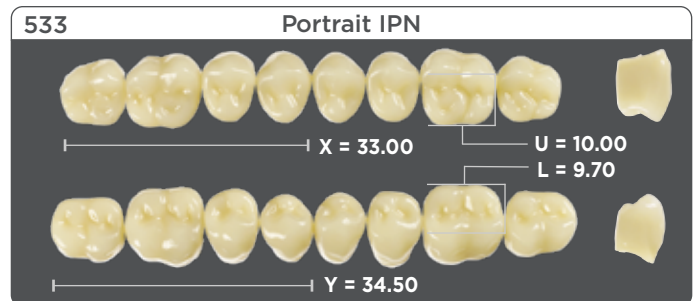
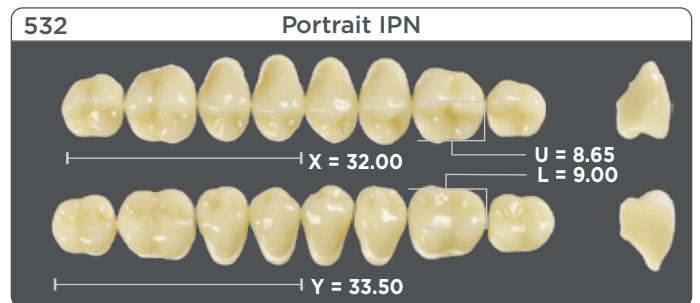
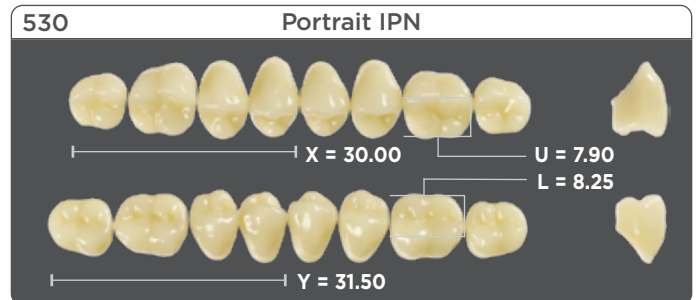
Portrait® IPN® 20° Posteriors

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.



Portrait® IPN® 22° Posteriors

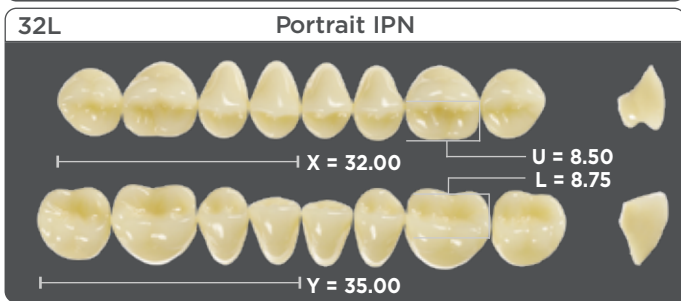
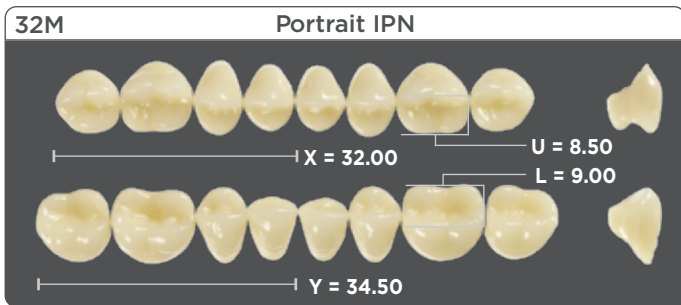
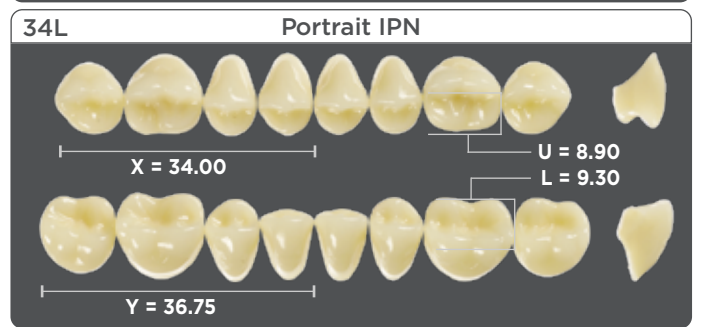
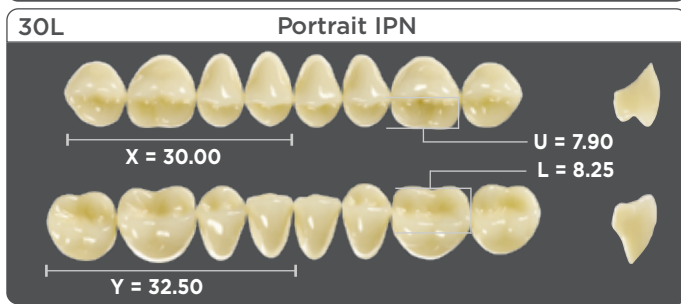
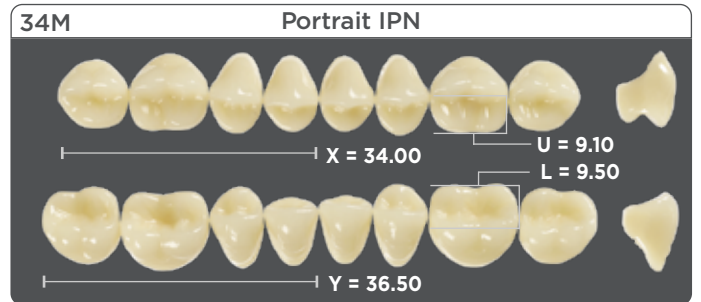
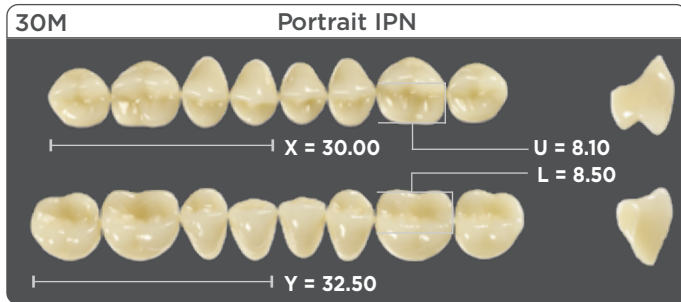
Aesthetically and functionally suited for complete and partial dentures. Shallow non-interfering cusps facilitate freedom in all excursions.



All dimensions in mm.
Images scaled to size.

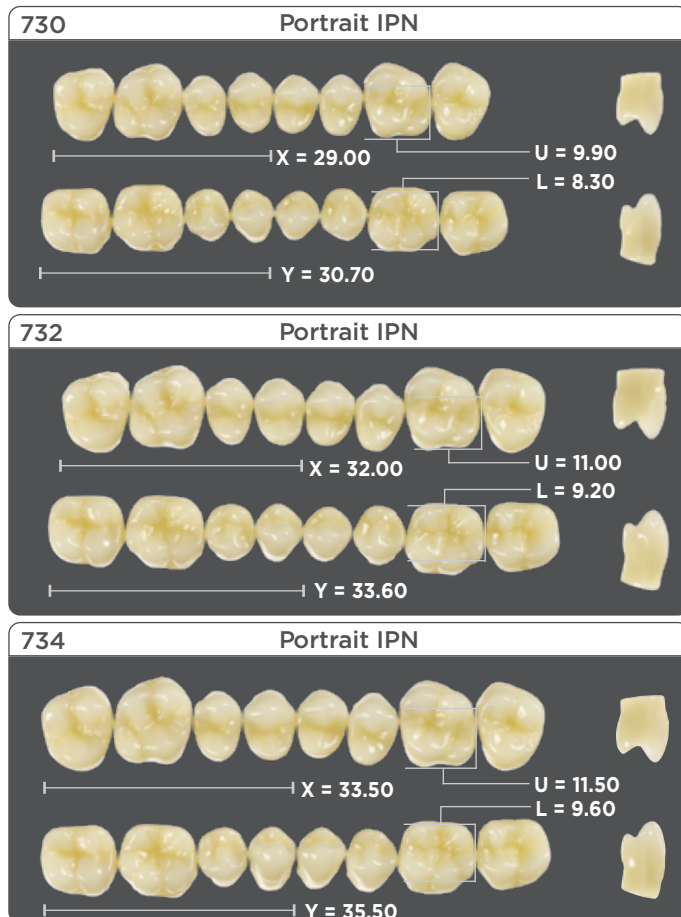
Portrait® IPN® 33° Posteriors

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



Portrait® IPN® 40° Posteriors

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.



Another Life
Transformed

Combination Table

Select maxillary anterior mould form, and use table to determine recommended mandibular anterior and posterior options.

| Portrait® IPN® Anteriors | | Portrait® IPN® Posteriors | | | | | |
|--------------------------|-----------------------------------|---------------------------|------------------|------------------|------------------|------------------|---------------------------|
| | | Non-Anatomical | Semi-Anatomical | | | Anatomical | |
| Anterior Upper Mould No. | Articulates – With Anterior Lower | Portrait IPN 0° | Portrait IPN 10° | Portrait IPN 20° | Portrait IPN 22° | Portrait IPN 33° | Portrait IPN 40° EuroLine |
| 11G | R | 632 | 332 | 33M | 532 | 32L | 732 |
| 11H | S, W | 634 | 334, 3361 | 33M, 35M1 | 533, 536 | 34M | 734 |
| 12E | M, N | 632 | 332 | 31M | 532 | 32L | 732 |
| 12F | N | 632 | 332 | 31M, 31L | 532 | 32L | 732 |
| 12G | G, R, V | 634 | 334 | 33M | 533 | 34M | 734 |
| 13D | B, C | 630 | 330 | 31S, 31M | 530 | 30L, 30LS | 730 |
| 13E | H | 630 | 330 | 31M | 530 | 30L | 730 |
| 21C | C | 630 | 330 | 29M, 29L | 530 | 30L | 730 |
| 21D | F | 630 | 330 | 29L | 530 | 30L | 730 |
| 21E | O | 632 | 332 | 31L, 33L | 532 | 32L | 732 |
| 21F | L | 632 | 332 | 31M, 31L | 532 | 30L | 732 |
| 21G | W | 634 | 334 | 33L | 533 | 34L | 734 |
| 21J | I, K1, Rx | 634 | 334, 336 | 33M, 35M | 533, 536 | 34L | 734 |
| 21X | P | 632 | 332 | 31M | 532 | 32M | 732 |
| 22C | C | 630 | 330 | 29M | 530 | 30M | 730 |
| 22E | H | 630 | 330 | 29L | 530 | 30L | 730 |
| 22G | O, P | 632 | 332 | 31M | 532 | 32M | 732 |
| 22H | P | 634 | 334 | 33M | 533 | 34L | 734 |
| 24F | F, G, H | 632 | 332 | 31M | 532 | 32L | 732 |
| 25G | R | 634 | 334 | 33M | 533 | 34L | 734 |
| 31F | J, O, P, S | 632 | 332 | 31L, 33L | 532 | 32L | 732 |
| 32B | C | 630 | 330 | 29M | 530 | 30M | 730 |
| 32E | H | 632 | 332 | 31M | 532 | 32M | 732 |
| 32G | S | 634 | 334 | 33M | 533 | 34L | 734 |
| 35E | G | 632 | 332 | 31M, 31L | 532 | 30L | 732 |
| 36F | N, X | 632 | 332 | 33M | 532 | 32L | 732 |
| 41J ² | I, K1, Rx | 634 | 336 | 35M | 536 | 34L | 734 |
| 42D | F | 630 | 330 | 29M, 29L | 530 | 30L | 730 |
| 42F | H | 632 | 332 | 31M | 532 | 32L | 732 |
| 42G | O, P | 632 | 332 | 31M, 33M | 532 | 32M | 732 |
| 43D | C | 630 | 330 | 29M, 29L | 530 | 30L | 730 |
| 43F | M, N, X | 632 | 332 | 31M | 532 | 32M | 732 |
| 45F | J, O | 632 | 332 | 31L | 532 | 32L | 732 |
| 45H | R, V | 634 | 334 | 33M | 533 | 34L | 734 |
| 52C | C, D | 630 | 330 | 29M | 530 | 30M | 730 |
| 54F | J, N | 632 | 332 | 31L | 532 | 32L | 732 |
| 55D | E | 630 | 330 | 29M | 530 | 30M | 730 |
| 55F | M | 632 | 332 | 31M | 532 | 32L | 732 |
| 56G | P, V | 632 | 332 | 31M, 33M | 533 | 32M | 732 |
| 62D | F | 630 | 330 | 29L | 530 | 30L | 730 |
| 62E | F | 630 | 330 | 31M, 31L | 530 | 30L | 730 |
| 62G | K1, R, Rx | 634 | 334, 336 | 33M, 35M | 533 | 34L | 734 |
| 65G | J, O | 634 | 334 | 33M | 533 | 34L | 734 |
| 65H | S, U | 634 | 334 | 33M, 33L | 533 | 32L | 734 |
| 74E | L | 630 | 330 | 29M, 29L | 530 | 30L | 730 |
| 74H | K1 | 634 | 334, 336 | 33M, 33L | 533 | 34L | 734 |
| 75E | N | 630 | 330 | 29L | 530 | 30L | 730 |
| 75G | R, V | 632 | 332 | 31M | 532 | 32L | 732 |
| 76D | C | 630 | 330 | 29M | 530 | 30M | 730 |
| A84 | N | 632 | 332 | 31M | 532 | 32L | 732 |

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