Combination Table

Select upper anterior mould form, and use table to determine recommended lower anterior and posterior options.

TruExpression® Anteriors		TruExpression® Posteriors				
		Non-Anatomical	Semi-Anatomical		Anatomical	
Anterior Upper Mould No.	Articulates with Anterior Lower	0°	10°	20°	33°	40°
11H	S	433, 634	VF-L, 334	33M	VF-L, 34M	c36, c36R, c36XL, c36XR
12E	N	431, 632	VF-M, 332	31M	VF-M, 32M	c34, c34R, c34XL, c34XR
12G	R	433, 632	VF-L, 334	33M	VF-L, 34M	c36, c36R, c36XL, c36XR
13E	H	431, 630	VF-S, 330	31M	VF-S, 30M	c31, c34XL, c34XR
14G	Hc, Lc	433	VF-L, 334	33M	VF-L, 34M	c34, c34R, c34XL, c34XR c36, c36R, c36XL, c36XR
14J	Lc, Tc	433	VF-L, 334	33M	VF-L, 34M	c36, c36R, c36XL, c36XR
15FX	Dc, Fc, Hc	431	VF-M, 332	31M	VF-M, 32M	c34, c34R, c34XL, c34XR
21C	C	429, 630	VF-S, 330	29M	VF-S, 30M	c31, c34XL, c34XR
21D	F	429, 630	VF-S, 330	29M	VF-S, 30M	c31, c34XL, c34XR
21J	K1	433, 634	VF-L, 334	33M	VF-L, 34M	c36, c36R, c36XL, c36XR
22E	H	429, 630	VF-S, 330	29M	VF-S, 30M	c31, c34XL, c34XR
24F	F, H	431, 632	VF-M, 332	31M	VF-M, 32M	c34, c34R, c34XL, c34XR
24G	Hc, Lc	433	VF-L, 334	33M	VF-L, 34M	c34, c34R, c34XL, c34XR c36, c36R, c36XL, c36XR
25FX	Dc, Fc, Hc	433	VF-L, 334	33M	VF-L, 34M	c34, c34R, c34XL, c34XR
26D	Bc, Fc	431	VF-S, 330	31M	VF-S, 30M	c31
26E	Dc, Fc, Hc	431	VF-M, 332	31M	VF-M, 32M	c34, c34R, c34XL, c34XR
26FX	Bc, Dc	431	VF-M, 332	31M	VF-M, 32M	c31
32E	H	431, 632	VF-M, 332	31M	VF-M, 32M	c34, c34R, c34XL, c34XR
42D	F	429, 630	VF-S, 330	29M	VF-S, 30M	c31, c34XL, c34XR
42F	H	431, 632	VF-M, 332	31M	VF-M, 32M	c34, c34R, c34XL, c34XR
42G	P	431, 632	VF-M, 332	31M	VF-M, 32M	c34, c34R, c34XL, c34XR
45H	R	433, 634	VF-L, 334	33M	VF-L, 34M	c36, c36R, c36XL, c36XR
55D	E	429, 630	VF-S, 330	29M	VF-S, 30M	c31, c34XL, c34XR
62G	K1, R	433, 634	VF-L, 334	33M	VF-L, 34M	c36, c36R, c36XL, c36XR
65G	Dc, Hc	433, 634	VF-L, 334	33M	VF-L, 34M	
75E	N	429, 630	VF-S, 330	29M	VF-S, 30M	c31, c34XL, c34XR

Most Popular Bioform® Style Moulds

	Square		Square Tapering		Tapering		Ovoid	
	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower
Denture Teeth	12E	N	22E	H	42G	P	62G	K1, R
	11H	S	21J	K1	45H	R		

Most Popular Veraform™ Moulds

	Angle	Upper	Lower
Veraform Posteriors	10°	VF-S	VF-S
	10°	VF-M	VF-M
	10°	VF-L	VF-L

Most Popular Highly Characterized Moulds

	Square		Square Tapering		Ovoid	
	Upper	Lower	Upper	Lower	Upper	Lower
Highly Characterized Anteriors	14G	Hc, Lc	24G	Hc, Lc	65G	Dc, Hc

	Mould #		Half width of set (mm)		Depth of first molar (mm)	
	Upper	Lower	Upper	Lower	Upper	Lower
Highly Characterized Posteriors	c31	c31	28.5	29.75	9.8	8.3
	c34	c34	31.75	32.75	10.8	9.3
	c34XR	c34XR	32.5	35.0	10.8	9.3

NOTE: Face shapes relate to anteriors only.

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Dentsply Sirona

TruExpression®

Mould Chart – Custom Deluxe Denture Teeth

For dental professionals and laboratories

Dentsply Sirona

The ATS Mould Classification

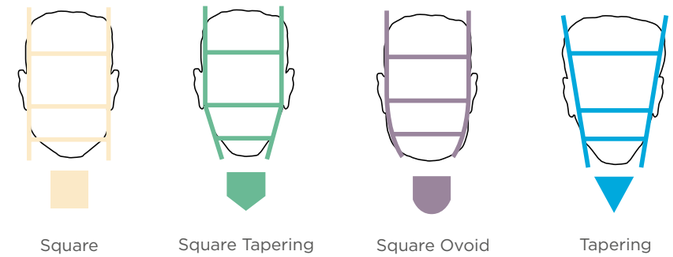
Anatoform Trubyte® System (ATS)

A legacy from which to learn, the Anatoform and Trubyte Systems revolutionized prosthetic dentistry over 100 year 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 new Anatoform Trubyte System (ATS).

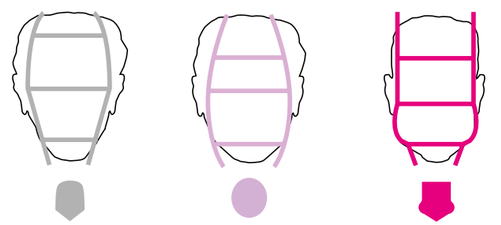
From the foundational work of Dr. Williams and Dr. Gysi, Dentsply Sirona continues to build upon the harmonious anatomical tooth designs and time tested functional performance of the ATS. Dentsply Sirona is developing new materials and new technologies that are leading prosthetic dentistry to better,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

This mould chart will guide you through the selection of the ideal tooth solution 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 five functional occlusal angle families.

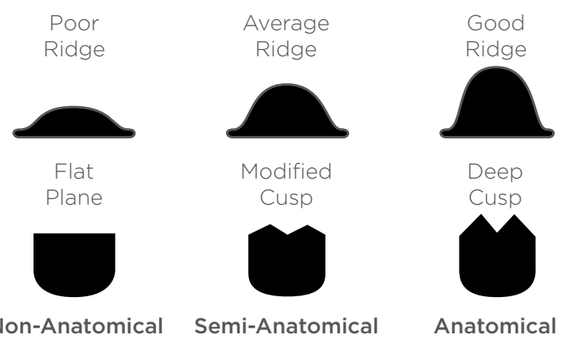
7 Basic Facial Forms:



Square | Square Tapering | Square Ovoid | Tapering



Tapering Ovoid | Ovoid | Square Tapering Ovoid

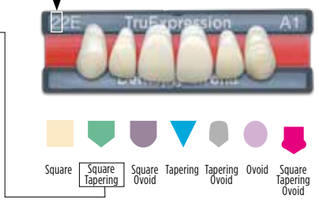


Steps to identify and select anterior moulds

1. First number: Classification

Using the classification form listed above, 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.

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

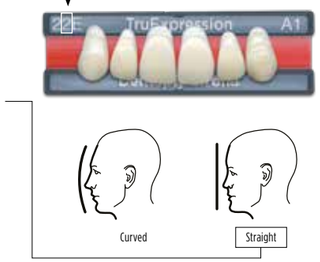


2. Second number: Proportion & Contour

Using a flat device such as the Dentsply Sirona 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.

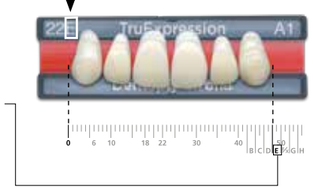
Proportion of the Tooth	Facial Contour
1. Long	Straight
2. Medium	Straight
3. Short	Straight
4. Long	Curved
5. Medium	Curved
6. Short	Curved



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

Using the Dentsply Sirona 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.

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.

TruExpression® Denture Teeth

We Call It: Custom Deluxe!

Today's denture market is complex and demanding. Patients and dentists require options to address multiple patient needs for partial, full, and implant supported dentures.
TruExpression offers a harmony of "True-to-Life" shade blending and durable materials. For the patient seeking the next step in improved dental appearance and functional durability.

TruExpression Teeth for:

	Full Denture	Partial Denture	Implant Supported Denture
Veraform	X	X	X
Bioform	X	X	X
Highly Characterized	X	X	X

Highly Wear-Resistant Material

TruExpression is made from a multi-cross linked polymer known as MXL, allowing TruExpression teeth to wear gradually like natural dentition. The TruExpression denture teeth MXL material resists wear and maintains the denture teeth look and function.

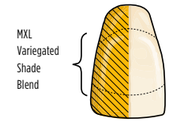
TruExpression® – Bioform® Style and Highly Characterized Moulds

Choosing the right tooth for a patient can be difficult for the clinician or laboratory technician.
Dentsply Sirona makes it easy! All TruExpression teeth have been harmonized to fit within the trusted ATS tooth indicator system – a method of correlating the patient's facial shape, to the physiology of their natural dentition. Refer to page 2 & 3.

TruExpression denture teeth are classified into two distinct mould families: Bioform Style and Highly Characterized (Hc).

Bioform Style

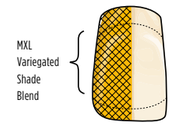
Anterior
- Traditional teardrop shaped moulds
- Bioform mould classification by face shape
- Designed to duplicate, natural teeth



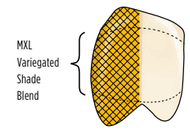
Posterior
- Easy to set-up
- Multiple cusp inclination angles

Highly Characterized

Anterior
- Long cervical/neck
- Broader body
- Reduced interdental papilla



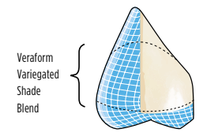
Posterior
- Wide food platforms
- 40˚ cusps
- Long mould forms
- Characterized occlusal details



TruExpression Veraform™ Posterior Teeth

Posterior

Posterior
- Digitally designed anatomy
- Enhancement of natural details
- Deep occlusal angles
- Wide occlusal platforms

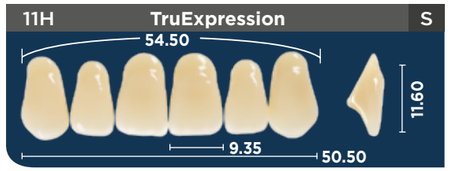


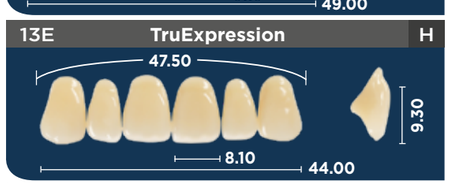
TruExpression® Anteriors Upper

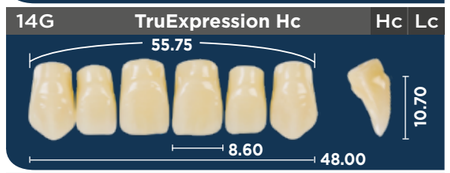
Available in 16-shades (A1-D4) and 2 bleach shades.

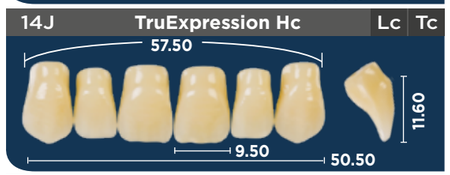
Square

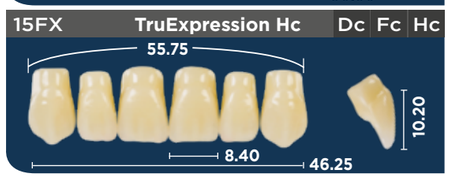
Mould No. (Lower Articulation)

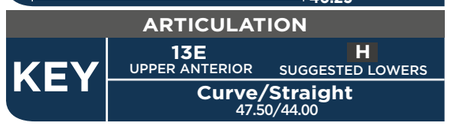






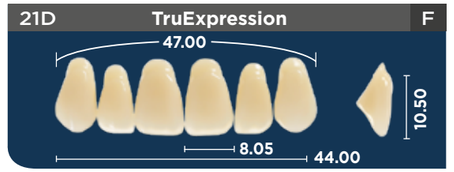


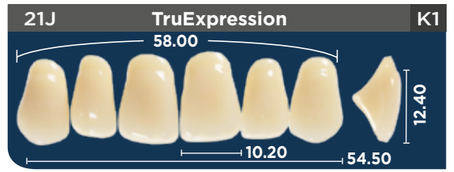


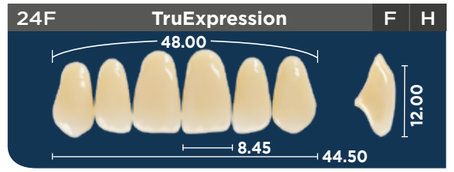


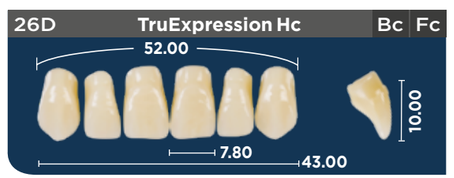
Square Tapering

Mould No. (Lower Articulation)



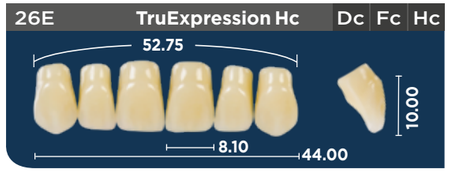






Square Tapering

Mould No. (Lower Articulation)

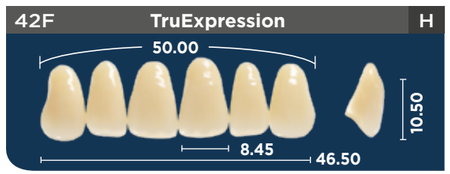


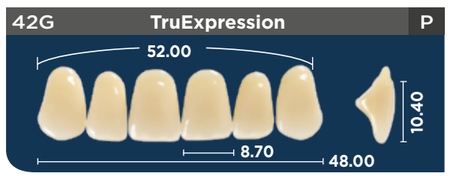
Square Ovoid

Mould No. (Lower Articulation)

Tapering

Mould No. (Lower Articulation)

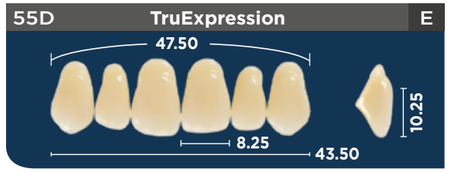




All dimensions in mm.
Images scaled to size.

Tapering Ovoid

Mould No.
(Lower Articulation)



Ovoid

Mould No.
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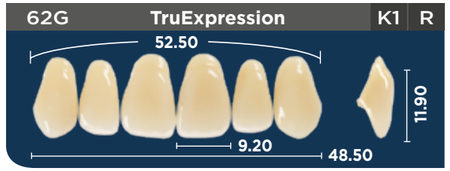
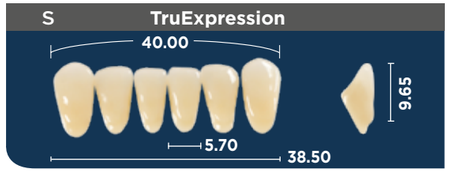


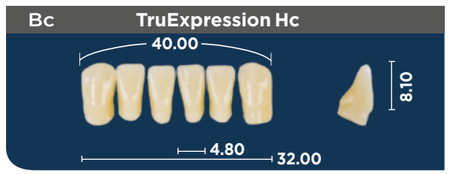
Square Tapering Ovoid

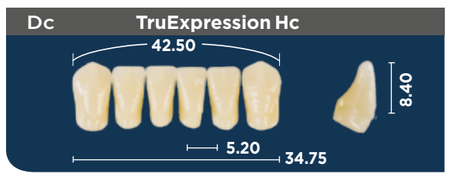
Mould No.
(Lower Articulation)

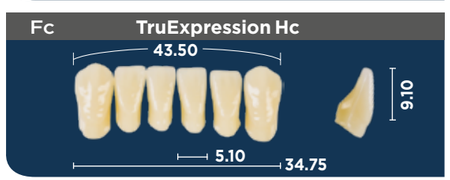
TruExpression®
Anteriors Lower

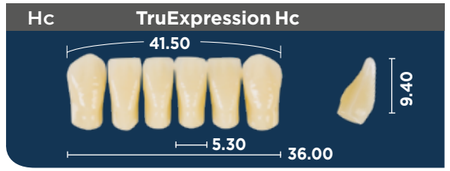
Available in 16 shades (A1-D4)
and 2 bleach shades.

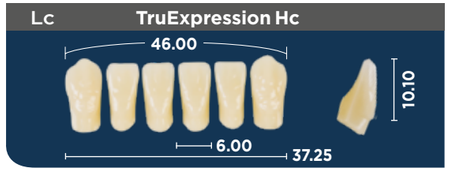


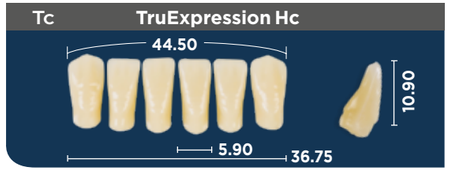










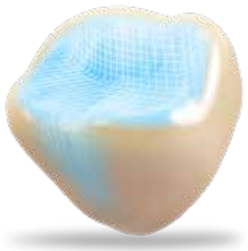


TruExpression Veraform™ Posterior Teeth

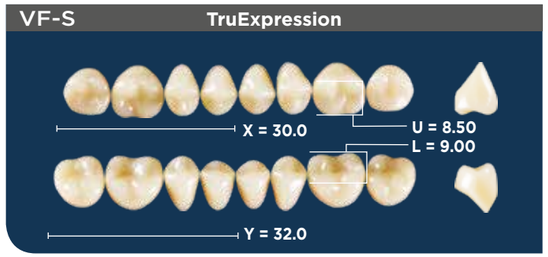
All dimensions in mm.
Images scaled to size.

Available in 16 shades (A1-D4) and 2 bleach shades.
For full, partial and implant supported dentures.

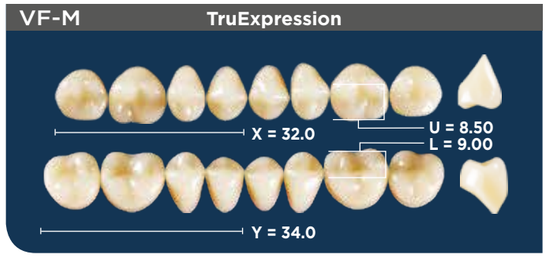
TruExpression Veraform™ 10° Posteriors



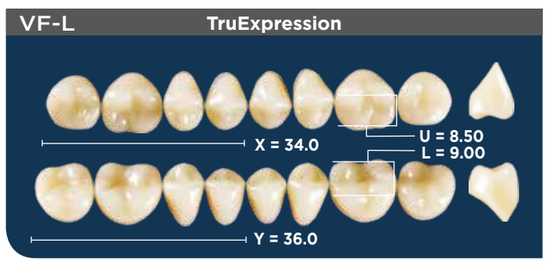
Designed to mimic natural dentition, even at 10˚occlusal angle.

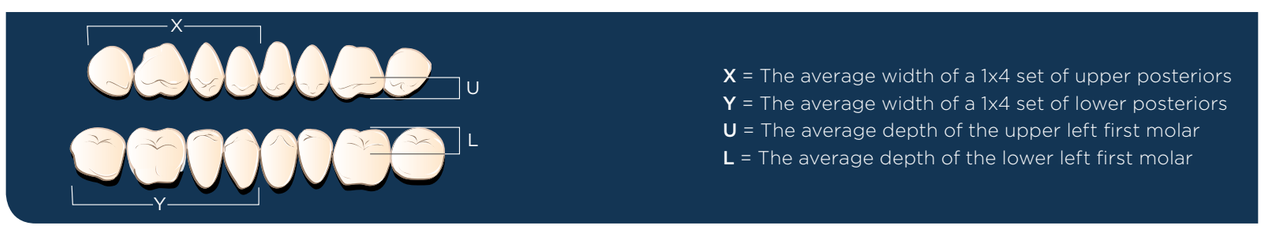


Wide food platform permits efficient mastication.



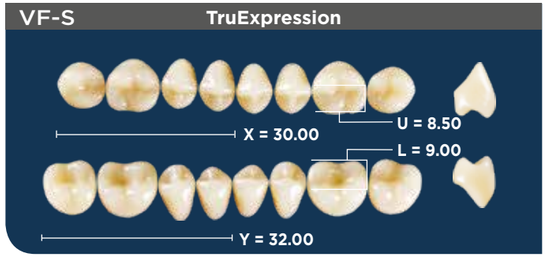
Occlusal anatomy delivers enhancement of natural details and features, while maintaining the same Dentsply Sirona ease of set-up.



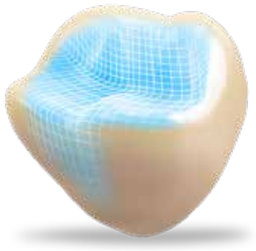


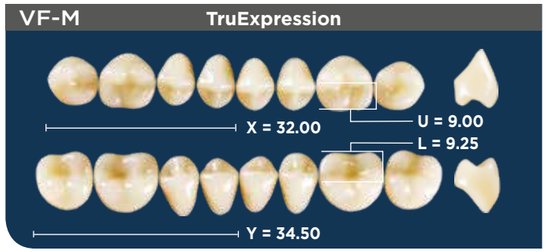
X = The average width of a 1x4 set of upper posteriors
Y = The average width of a 1x4 set of lower posteriors
U = The average depth of the upper left first molar
L = The average depth of the lower left first molar

TruExpression Veraform™ 33° Posteriors

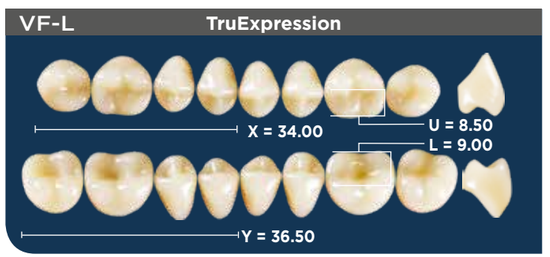


10˚ and 33˚ cusp angles allow for the selection of age appropriate aesthetics.





Deeper occlusal angles provide easy set-up against natural dentition - perfect for partial denture fabrication.



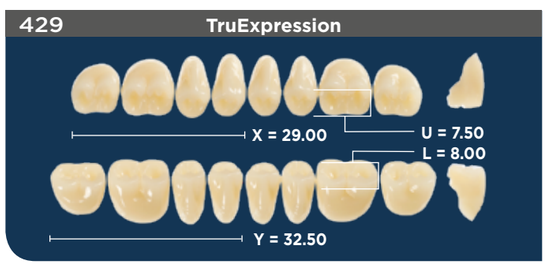
No grind design. The availability of both 10˚ and 33˚ occlusal angles minimizes your need to adjust the cusp height for proper set-up and supports natural jaw movement for the patient.

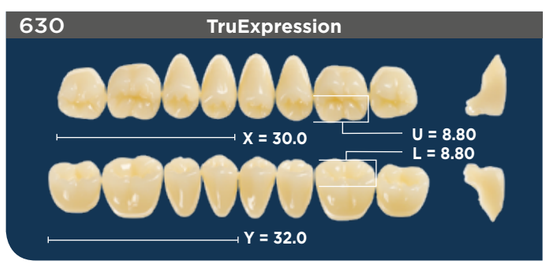
TruExpression®
Posterior Teeth

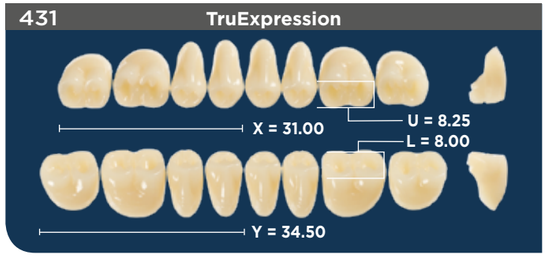
Available in 16 shades (A1-D4)
and 2 bleach shades.

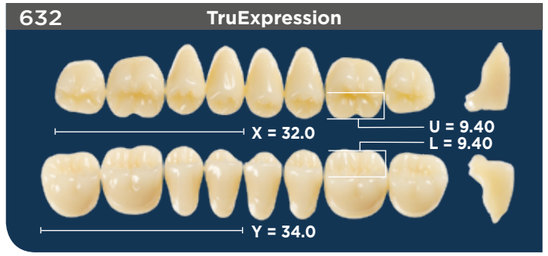
All dimensions in mm.
Images scaled to size.

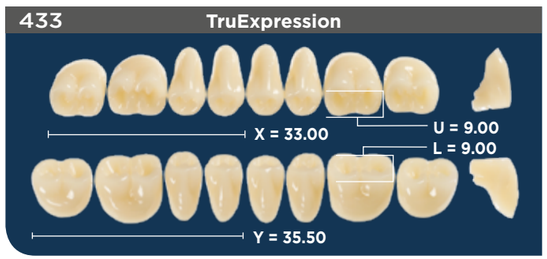
TruExpression 0° Posteriors

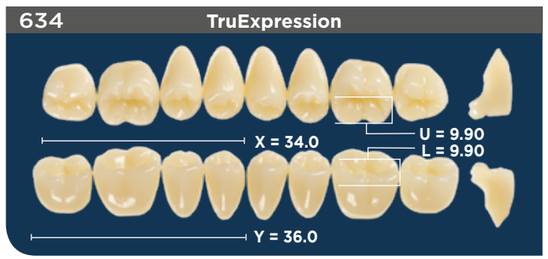


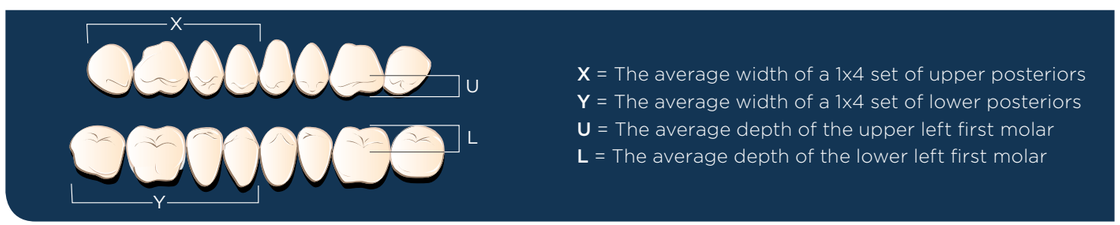




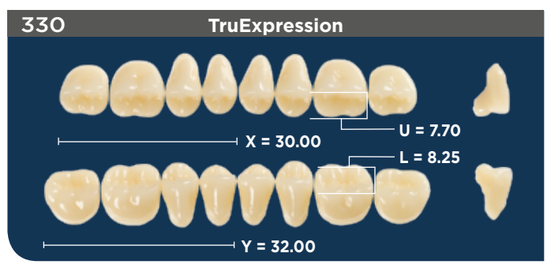


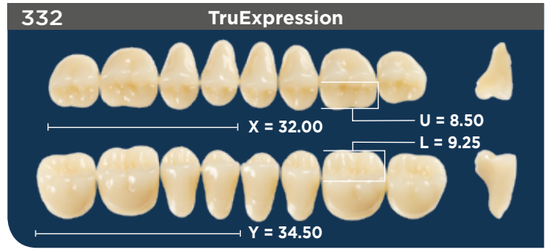


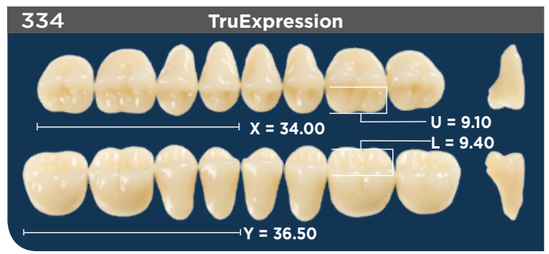




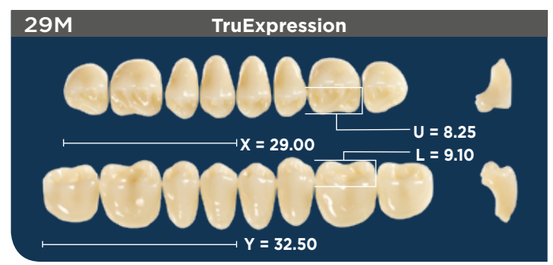
TruExpression 10° Posteriors

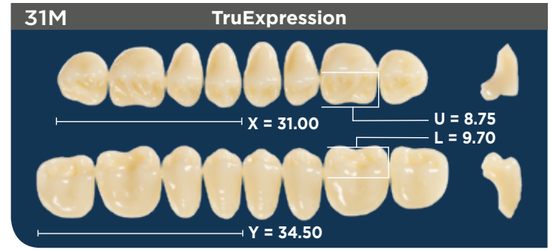


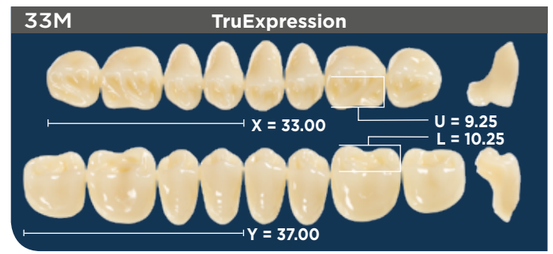




TruExpression 20° Posteriors





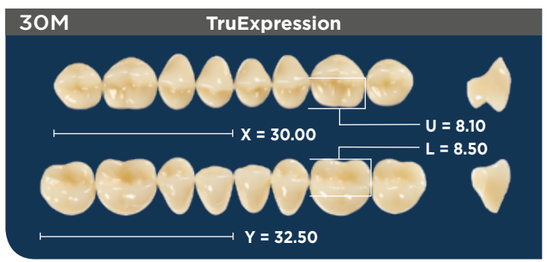


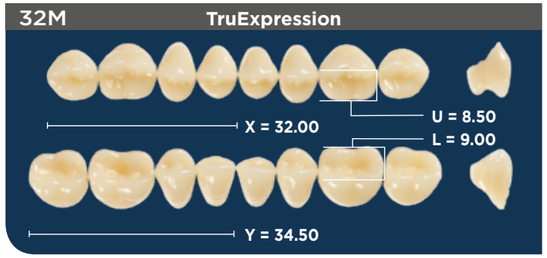
TruExpression® Posterior Teeth

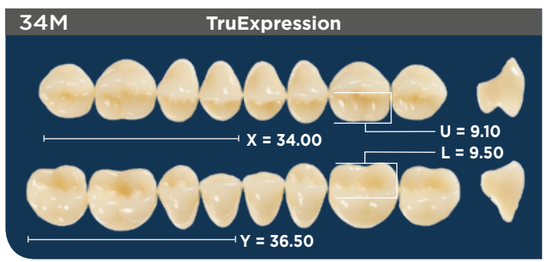
Available in 16 shades (A1-D4) and 2 bleach shades.

All dimensions in mm.
Images scaled to size.

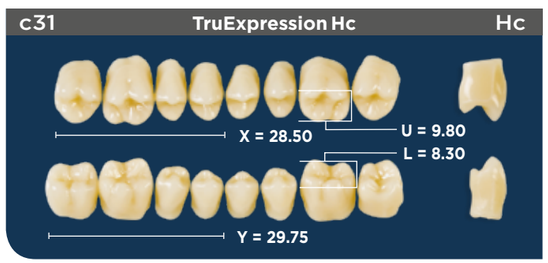
TruExpression 33° Posteriors

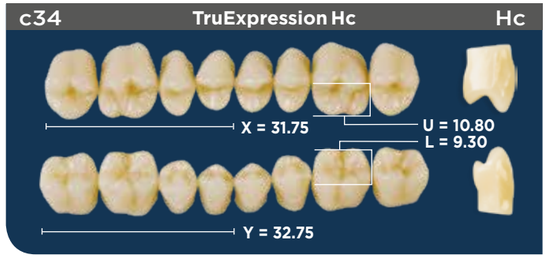


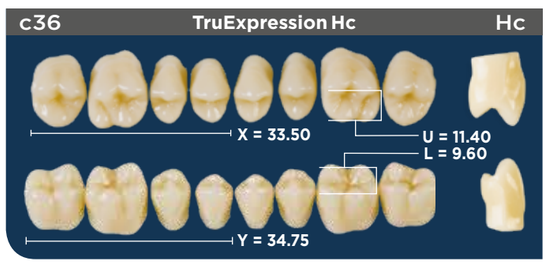




TruExpression 40° Posteriors

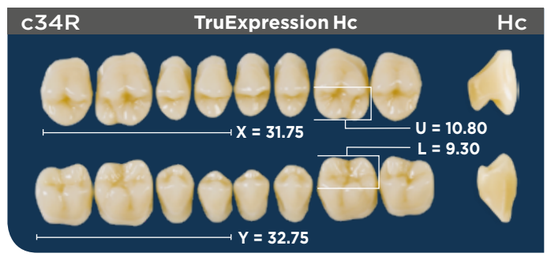


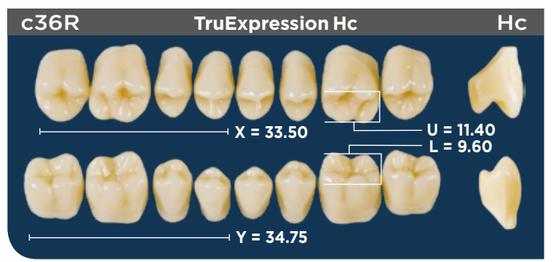




R Variation

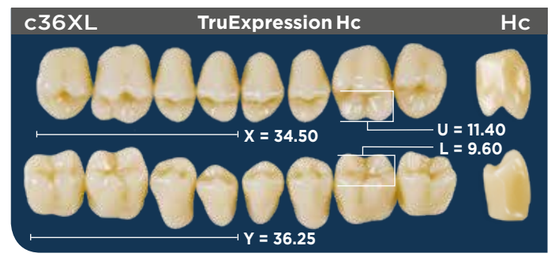
Exactly the same dimensions as normal moulds, except for a reduction in the ridge lap.

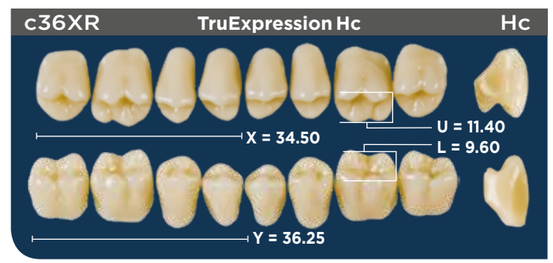


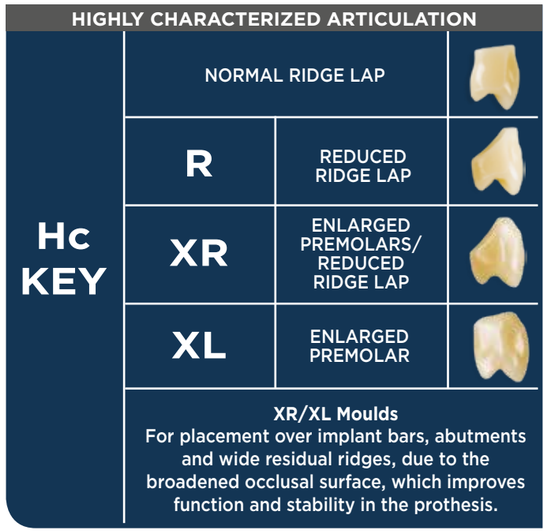


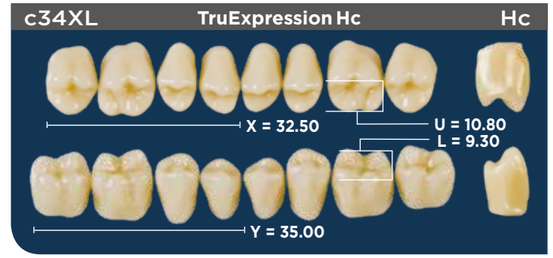
XL/XR Variation

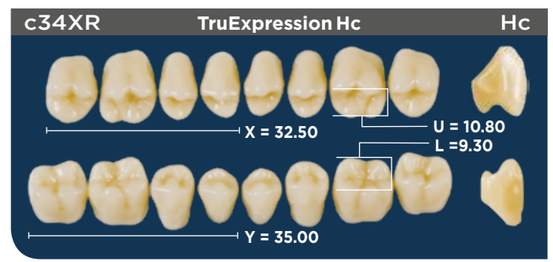
Enlarged premolars, molar size is unchanged.











ISO 22112: 2017. Processing instructions available upon request.

Denture Base

Lucitone 199®
Denture Base Resin

Lucitone 199 is the premium choice for both tissue and implant-supported full and partial dentures, offering outstanding aesthetics, high impact resistance, and superb flexural strength.

- Industry standard for premium high-impact denture base resins. Trusted and reliable.
- Superior high-impact resistance and flexural strength. Resists breakage.
- Balanced translucency and excellent vein simulation. Delivers aesthetic results.
- Compression packed, injected or microwavable if injected. Adapts to laboratory processes.
- Available in original, light pink, light reddish pink and dark pink shades. Covers patients' needs.

Lucitone® HIPA
High Impact Pour Acrylic

The first high impact pour acrylic for improved durability, this pourable denture base material is designed for use in fabrication, repair, rebasing, or relining of full and partial dentures including implant overdentures or other dental appliances.

- 200% stronger than other pourable acrylics[1]
- Faster processing times of a pour acrylic
- 21% savings in hands-on working time vs. heat cure[2]
- Color stability
- Accurate fit to model
- Excellent bonding to IPN® teeth
- Available in five shades: Original, Light, Light Reddish Pink, Original Opaque, Dark Pink

1. Based on Dentsply Sirona testing.
2. Time savings is based upon hands-on working time. Data on file.

Lucitone® FRS®
Flexible Dental Resin

Lucitone FRS Flexible Denture Resin is a temporary thermoplastic injectable resin that offers customizable flexibility, high impact resistance and transparency, delivering aesthetic removable partial dentures and clear or colored clasps.

- Semi-crystalline nylon composition for improved color stability and stain resistance. Provides aesthetics.
- Easy to finish and polish due to the microcrystalline structure. Saves time.
- Monomer – and metal-free. Non-irritating.
- Available in original, light pink, light reddish pink, dark pink and clear shades. Aesthetic shade options.
- Clear shade for fabrication of clear clasps, occlusal splints, and night guards. Offers greater versatility.
- Available in three (3) cartridge sizes: small, medium and large. Adapts to laboratory needs.

Vitallium® 2000
and Vitallium® 2000 Plus Alloys

Vitallium 2000 is a premium partial denture system, featuring two alloy formulations, Vitallium 2000 and Vitallium 2000 Plus, with advanced physical properties for improved handling characteristics. Vitallium alloys are nickel and beryllium-free.

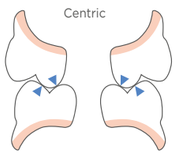
- Superior Strength – The high fracture resistance of Vitallium 2000 alloys enables dental laboratories to fabricate lighter, more refined partials for improved aesthetics and greater patient comfort.
- Predictability and Precise Fit – Vitallium 2000 alloys have a higher elongation value permitting predictable adjustments with unprecedented fracture resistance. Vitallium 2000 alloys adjust like gold with no fear of deformation for a precise fit.
- High Surface Luster – Vitallium alloys maintain a high luster and resist plaque. This ensures that patients can easily and effectively clean their partial dentures.

Lingualized Occlusion is a Set-Up Technique!

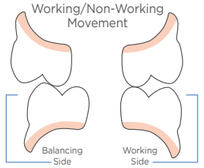
Some manufacturers market lingualized occlusion as a card of teeth when it is, in fact, a set-up technique. This simple and predictable occlusal approach, utilizing two points of contact, helps to enhance patient mastication, phonetics and deglutition.

With TruExpression®, laboratories and dentists can work collaboratively to choose the posterior teeth most appropriate for the patient.

TruExpression® Occlusal Options



Lingualized Occlusion Options
40˚/20˚, 40˚/10˚
33˚/20˚, 33˚/10˚, 33˚/0˚
20˚/10˚, 20˚/0˚
10˚/0˚



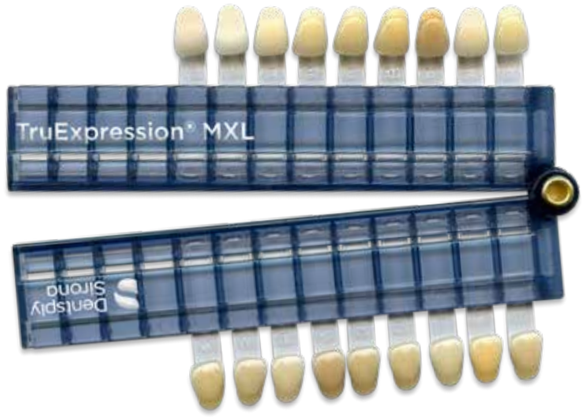
Balanced Occlusion Options
40˚/40˚
33˚/33˚
20˚/20˚
10˚/10˚
0˚/0˚

TruExpression® Shade Guide

TruExpression teeth are available in
• 16 A1-D4 shades*
• 2 bleach shades

Most Popular Shades:
A2, A1, A3, A3.5, B1, C1, C2, B2

Shade Guide Ref: 905637



*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.KG

Smart Cabinet Technology

Simplify your inventory management. Scan barcode and reorder Dentsply Sirona teeth through your preferred distributor on a mobile device. Download the app today.

Scan Order
Quickly scan barcodes in your tooth cabinets to reorder Dentsply Sirona tooth stock with the push of a button.

Notification
Receive exclusive promotions through this portal as well as updates and news. Check back often for the latest notifications.

Order History
Review orders submitted through the Lab Smarter® app.
See past orders down to the mould and shade.
Past orders can be printed for your records.

How it works
Step-by-step instructions for using the app.

Contact my Dentsply Sirona Representative
A digital business card to call, text or email your local Dentsply Sirona sales representative.

Take control of your tooth stock in 3 easy steps:

1. Download
Go to iTunes or Google Play and download the Lab Smarter App on your iPhone or Android device.

2. Sign-Up
Complete the one-time registration and wait for the email confirmation. Sign into the app using your user name and password.

a) If you are a Dentsply Sirona distributor, check the box at the bottom to gain access to the customer management mode.

3. Snap. Tap. Smile
Now scan your cabinet and reorder Dentsply Sirona teeth through your preferred dealer.

Google Play is a trademark of Google Inc.
iPhone and iPad are registered trademarks of Apple Inc. App Store is a service mark of Apple Inc.