TREAT WITH CONFIDENCE
SmartForce® Clinical Innovations

SmartForce attachments and aligner features are engineered to deliver the force systems necessary to achieve predictable tooth movements with Invisalign:

- Developed using high-precision force measurement technologies
- Tested to deliver the force system needed to control each individual tooth and the arch
- Customized to each patient and each tooth using advanced virtual modeling

FOR MORE INFORMATION, visit learn.invisalign.com/G5

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TACKLING THE DEEP BITE CHALLENGE

Correcting deep bite to the desired finish can be a clinical challenge.

Introducing Invisalign G5—engineered to help you improve clinical outcomes in deep bite treatment with Invisalign.

Invisalign G5 introduces comprehensive SmartForce features dedicated to deep bite treatment—so you can treat with confidence.

Invisalign G5 Innovations for Deep Bite

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Invisalign G5 Innovations for Deep Bite
More Predictable Deep Bite Treatment

SmartForce® features are designed to level the curve of Spee by improving control of anterior intrusion and premolar extrusion for more predictable deep bite treatments.

NEW PRESSURE AREA—Improved Control Of Anterior Intrusion

Available for: incisors and lower canines

IMPROVED CONTROL OF PREMOLAR EXTRUSION

Optimized deep bite attachments are activated to deliver extrusive forces to premolars when needed.

OPTIMIZED DEEP BITE ATTACHMENT—Improved Control Of Premolar Extrusion And Anchorage

Available for: upper and lower premolars

Optimized deep bite attachments are automatically customized for each patient and each aligner stage:

- The depth of bite ramps are up to 3.0mm to accommodate overjet.
- Precision bite ramps are automatically adjusted to maintain anterior contact throughout all stages of movement.

PRECISION BITE RAMPS—Improved Treatment Efficiency

Available by request for upper incisors. (Conventional bite ramps will continue to be available for upper canines)

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Innovations for Deep Bite

Precision bite ramps are prominences on the lingual surface of upper aligners that do not fill with composite.

Precision bite ramps are automatically customized for each patient and each aligner stage:

- They are up to 3.0mm deep to accommodate overjet.
- They are automatically adjusted to maintain anterior contact throughout all stages of movement.

Improved Treatment Efficiency

Precision bite ramps are designed to disocclude the posterior teeth for improved efficiency in deep bite treatments with Invisalign.

PRECISION BITE RAMPS—Improved Treatment Efficiency

Available by request for upper incisors. (Conventional bite ramps will continue to be available for upper canines)

Available for: incisors and lower canines
The Problem
Biomechanical testing shows that the intrusive force from aligners may not always be directed along the long axis of the anterior teeth.

SmartForce Solution
A new pressure area on the lingual surface of aligners is designed to re-direct the intrusive force through the long axis of anterior teeth.

NEW PRESSURE AREA—Improved Control Of Anterior Intrusion

OPTIMIZED DEEP BITE ATTACHMENT—Improved Control Of Premolar Extrusion And Anchorage

Anchorage Control
Optimized deep bite attachments on the lingual surface of upper aligners to provide anchorage for anterior intrusion.

Improved control of premolar extrusion
Optimized deep bite attachments are activated for anterior intrusion.

Available for:
Incisors and lower canines

Precision bite ramps are prominences on the lingual surface of upper aligners that are not filled with composite.

Precision bite ramps are automatically customized for each patient and each aligner stage:

 entrenched up to 3.0mm to accommodate overjet.

Precision bite ramp position is automatically adjusted to maintain anterior contact throughout all stages of movement.

Improved Treatment Efficiency
Precision bite ramps are designed to disocclude the posterior teeth for improved efficiency in deep bite treatments with Invisalign.

Precision bite ramps are created to increase contact in the anterior region, which disocclude the posterior teeth and remove unwanted posterior bite forces.

The Problem
Posterior bite forces can work against deep bite correction.

SOLUTION
Precision bite ramps create contact in the anterior region, which disocclude the posterior teeth and remove unwanted posterior bite forces.

More Predictable Deep Bite Treatment
SmartForce features are designed to level the curve of Spee by improving control of anterior intrusion and premolar extrusion for more predictable deep bite treatments.

Improved Treatment Efficiency
Precision bite ramps are designed to disocclude the posterior teeth for improved efficiency in deep bite treatments with Invisalign.

Invisalign GS Innovations for Deep Bite

Correcting deep bite to the desired finish can be a clinical challenge.

Introducing Invisalign GS—engineered to help you improve clinical outcomes in deep bite treatment with Invisalign.

Invisalign GS introduces comprehensive SmartForce features dedicated to deep bite treatment—so you can treat with confidence.

Invisalign GS Innovations for Deep Bite

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Invisalign GS Innovations for Deep Bite

Posterior disocclusion

Tackling the Deep Bite Challenge
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Invisalign GS Innovations for Deep Bite

OPTIMIZED DEEP BITE ATTACHMENT—Improved Control Of Premolar Extrusion And Anchorage

Anchorage control
Optimized deep bite attachments on the lingual surface of upper aligners to provide anchorage for anterior intrusion.

Improved control of premolar extrusion
Optimized deep bite attachments are activated for anterior intrusion.

Available for:
Upper and lower premolars

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Precision bite ramps are automatically customized for each patient and each aligner stage:

 entrenched up to 3.0mm to accommodate overjet.

Precision bite ramp position is automatically adjusted to maintain anterior contact throughout all stages of movement.

Improve Deep Bite Treatment Efficiency

Invisalign G5 introduces comprehensive SmartForce features dedicated to deep bite treatment—so you can treat with confidence.

Invisalign G5—engineered to help you improve clinical outcomes in deep bite treatment with Invisalign.

Invisalign G5 Innovations for Deep Bite

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Invisalign G5 Innovations for Deep Bite

New Pressure Area—Improved Control Of Anterior Intrusion

Available for:
Inclines and lower canines

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