

# Unitek™ Gemini SL Self-Ligating Brackets

## Roth\* Prescription

### Efficient Self-Ligating Performance

Quality-manufactured Unitek™ Gemini SL Self-Ligating Brackets offer the simplicity of a door self-ligating appliance with the advantages of 3M expertise in orthodontic bracket design. An advanced Nitinol ligating mechanism provides low resistance to door opening and closing, without using special techniques or instruments.<sup>1</sup> Nitinol also offers the advantage of high resistance to unwanted mechanism fatigue,<sup>2</sup> which can affect door operation and bracket performance during treatment.

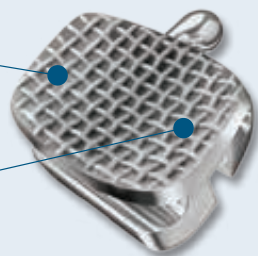
Passive self-ligating Unitek Gemini SL brackets feature reduced friction for treatment efficiency,<sup>3</sup> but you can also utilize the benefits of tie-wings, which permit active control with ligatures when you need it.<sup>4</sup> The bracket's smooth finish and rounded profile offer patient comfort, and decades of 3M experience in bracket design assure you of expected treatment results. Discover the advantages of Unitek Gemini SL brackets for your practice.

### Features

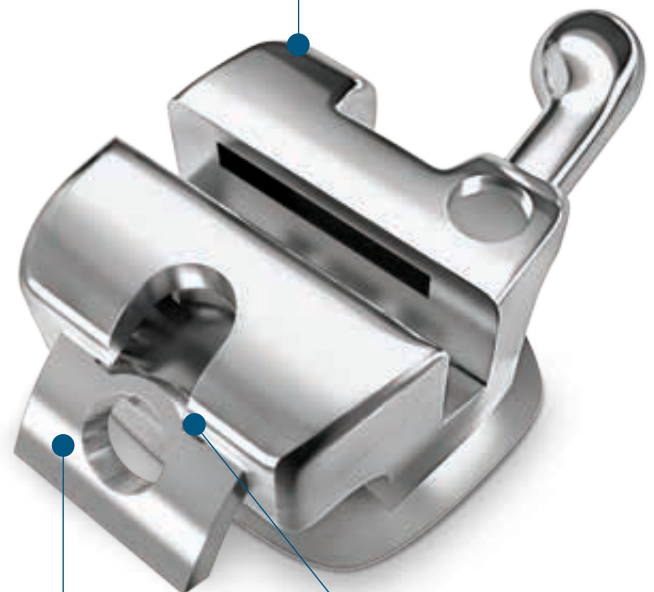
- Passive self-ligating U/L 5x5 bracket system
- Secure Nitinol ligating mechanism
  - low resistance to open/close operations
  - high resistance to fatigue
  - lock feature to prevent unintended opening
- Tie-wings for ligation when needed
- 80 gauge mesh base to increase bond retention<sup>5</sup>
- Rhomboid design for efficient bracket positioning<sup>6</sup>
- Compound-curvature base for optimal bracket placement<sup>7</sup>
- Smooth rounded finish for patient comfort<sup>8</sup>

**80 Gauge Mesh Base**  
for better adhesive coverage  
to increase bonding retention.

**Compound Curvature Base**  
allows for a better bracket fit to tooth  
anatomy and easier bracket positioning.



**Rounded Corners** for improved patient comfort. The corners and ligating mechanism feature the same buccal curvature as the bracket body.



**Nitinol Ligating Mechanism**  
features elasticity and high resistance  
to fatigue during treatment.

**Locking Mechanism** is  
designed to prevent inadvertent  
door opening during treatment.

For more information, contact your  
3M Unitek representative today!

\*3M Unitek version of this prescription. No endorsement by the Doctor is implied.

**3M** Unitek

# Unitek™ Gemini SL Self-Ligating Brackets Roth\* Prescription



## Unitek™ Gemini SL Self-Ligating Bracket Profile

Features	Advantages	Benefits
Passive bracket	Closing mechanism does not touch archwires	Reduced friction
Door design with low resistance to opening and closing	Efficient ligation with smooth opening	Ligating mechanism does not open spontaneously. Very low force is needed to open mechanism
Nitinol ligating mechanism	High resistance to fatigue during the opening and closing of ligating mechanism	Maintains product integrity during treatment
Lock on the ligating mechanism	Secure ligation	Consistent forces
Bracket design allows for ligation	Bracket can be active or passive depending on treatment needs	Treatment versatility
Rounded corners	No sharp edges	Patient comfort
Rhomboidal shape	Better reference for bracket positioning	Efficient bracket positioning
80 gauge mesh base	Large area for adhesive placement	Enhanced bond strength

## Unitek™ Gemini SL Brackets – Roth\* Prescription

Maxillary			IN/OUT		M/D	Part Number – .018 in.		Part Number – .022 in.	
Tooth	Torque	Angulation	in.	mm	Width	L	R	L	R
Central	+12	5	.039	1.00	3.40	027-220	027-221	027-320	027-321
Lateral	+8	9	.043	1.10	3.19	027-222	027-223	027-322	027-323
Cuspid	-2	11	.029	0.73	3.38	027-224	027-225	027-324	027-325
Cuspid HK	-2	11	.029	0.73	3.38	027-226	027-227	027-326	027-327
Bicuspid	-7	0	.034	0.86	3.13	027-228		027-328	
Bicuspid HK	-7	0	.034	0.86	3.13	027-229	027-230	027-329	027-330

Mandibular			IN/OUT		M/D	Part Number – .018 in.		Part Number – .022 in.	
Tooth	Torque	Angulation	in.	mm	Width	L	R	L	R
Anterior	0	0	.047	1.20	2.80	027-251		027-351	
Cuspid	-11	5	.022	0.57	3.39	027-252	027-253	027-352	027-353
Cuspid HK	-11	5	.022	0.57	3.39	027-254	027-255	027-354	027-355
1st Bicuspid	-17	2	.030	0.76	3.00	027-256	027-257	027-356	027-357
1st Bicuspid HK	-17	2	.030	0.76	3.00	027-258	027-259	027-358	027-359
2nd Bicuspid	-22	2	.034	0.86	3.00	027-260	027-261	027-360	027-361
2nd Bicuspid HK	-22	2	.034	0.86	3.00	027-262	027-263	027-362	027-363

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## Single Patient Kits

Single Patient Kits – 5×5	Part Number – .018 in.	Part Number – .022 in.
U/L 5×5 Hooks	027-120	027-130

### References

- 3M Unitek Claims DB, "Unitek™ Gemini SL Self-Ligating Bracket's sliding door design opens and closes effectively with low forces", S10545, 05/2011
- 3M Unitek Claims DB, "Unitek™ Gemini SL Self-Ligating Bracket's sliding door is made of Nitinol, a material with high resistance to fatigue", S10538, 06/2011
- 3M Unitek Claims DB, "Unitek™ Gemini SL Self-Ligating Bracket's passive design promotes low friction", S10537, 05/2011
- 3M Unitek Claims DB, "Unitek™ Gemini SL Self-Ligating Bracket's versatile design allows the addition of ligatures for active ligation as needed during treatment", S10543, 06/2011
- 3M Unitek Claims DB, "The Unitek™ Gemini SL Self-Ligating Bracket has an 80 gauge mesh base that provides more space for the adhesive, to increase bonding retention", S10694, 10/2013
- 3M Unitek Claims DB, "Unitek™ Gemini SL Self-Ligating Bracket's rhomboid-shaped bracket body enables a more efficient bracket placement", S10544, 06/2011
- 3M Unitek Claims DB, "Unitek™ Gemini SL Self-Ligating Bracket bases have compound curvatures, allowing for better bracket placement", S10548, 06/2011
- 3M Unitek Claims DB, "Unitek™ Gemini SL Self-Ligating Bracket is designed with rounded corners for improved patient comfort", S10542, 06/2011

Unitek™ Gemini SL Brackets are sold under license using technology created by Dr. Luis Carriere.



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