

Unitek™ Gemini SL
Self-Ligating Brackets



Simplicity

3M Unitek

Unitek™ Gemini SL Self-Ligating Brackets



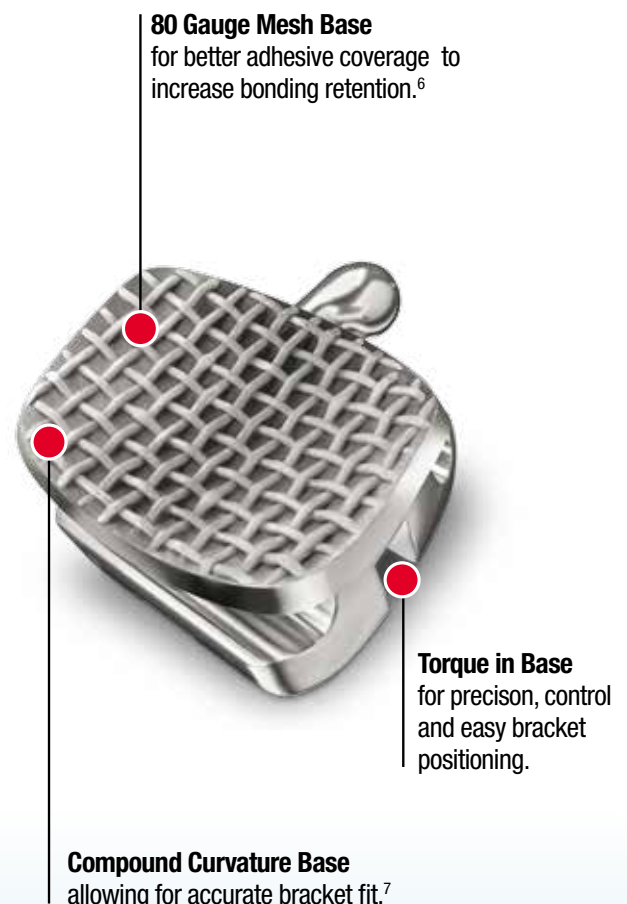
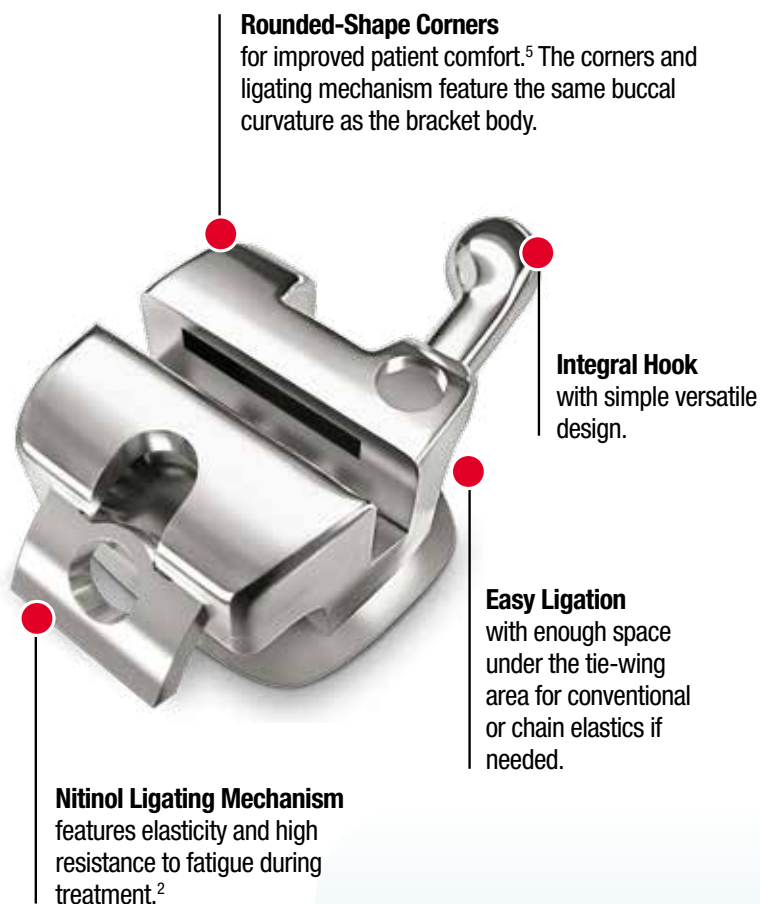
Simplicity

Unitek™ Gemini SL Self-Ligating Brackets offer the simplicity of a passive door self-ligating appliance. An advanced Nitinol ligating mechanism provides low resistance to door opening and closing, without using special techniques or instruments.¹ Nitinol also offers the advantage of high resistance to unwanted mechanism fatigue,² which can affect door operation and bracket performance during treatment.

Passive self-ligating Unitek Gemini SL brackets feature reduced friction for treatment efficiency,³ but you can also utilise the benefits of tie-wings, which permit active control with ligatures when you need it.⁴ The bracket's smooth finish and rounded profile offer improved patient comfort.⁵ Discover the advantages of Unitek Gemini SL brackets for your practice.



Features and Benefits



No special tools are required

Door opening



Bracket with the door mechanism closed.



Place the tip of the archwire director on the cavity between the incisal/occlusal wings of the bracket.

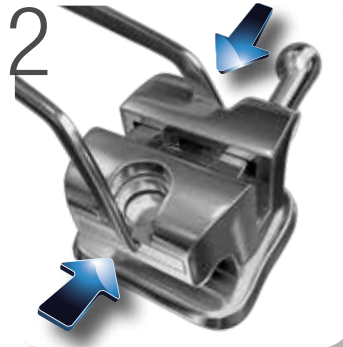


Gently slide the door to the incisal/occlusal area to open the mechanism.

Door closing



Place tweezers as shown in the picture.



Close the locking mechanism by pressing together the tweezers.

You can also use your finger to push the base of the door closed.



Bracket with the door mechanism closed.

Additional Benefits

Characteristics	Advantages	Benefits
Passive bracket	Closing mechanism does not touch round and rectangular archwires	Reduced friction ³
Door design with incisal / occlusal opening system	Efficient ligation	Ligating mechanism does not open spontaneously during treatment
Nitinol ligating mechanism	High resistance to fatigue during the opening and closing of ligating mechanism	Maintains product integrity during treatment ²
Bracket design allows for ligation	Bracket can be active or passive depending on treatment needs	Treatment versatility
Bracket is composed of 17-4 PH stainless steel	Mechanical strength	High resistance against deformation ⁸
Rhomboid shape	Reference for bracket positioning	Efficient bracket positioning ⁹

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

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

One Case Kit – Roth* Prescription

One Case Kit – 5x5	Part Number – .018 in.	Part Number – .022 in.
U/L 5x5 Hooks	027-120	027-130

References

1. 3M Unitek Claims DB, "Unitek™ Gemini SL Self-Ligating Bracket's sliding door design opens and closes effectively with low forces", S10545, 05/2011
2. 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
3. 3M Unitek Claims DB, "Unitek™ Gemini SL Self-Ligating Bracket's passive design promotes low friction", S10537, 05/2011
4. 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
5. 3M Unitek Claims DB, "Unitek™ Gemini SL Self-Ligating Bracket is designed with rounded corners for improved patient comfort", S10542, 06/2011
6. 3M Unitek Claims DB, "Unitek™ Gemini SL Self-Ligating Bracket's 80-micron mesh base provides more space for the adhesive, to increase bonding retention", S10547, 05/2011
7. 3M Unitek Claims DB, "Unitek™ Gemini SL Self-Ligating Bracket bases have compound curvatures, allowing for better bracket placement", S10548, 06/2011
8. 3M Unitek Claims DB, "Unitek™ Gemini SL Self-Ligating Bracket is composed of 17-4 PH stainless steel, which provides higher resistance against deformation", S10541, 06/2011
9. 3M Unitek Claims DB, "Unitek™ Gemini SL Self-Ligating Bracket's rhomboid-shaped bracket body enables a more efficient bracket placement", S10544, 06/2011

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