

Versa[™]T

THE MOST VERSATILE TWIN BRACKET APPLIANCE

VersaT™

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AFTER TALKING TO OUR CUSTOMERS

about their requirements in bracket design we have developed an incredible new bracket. The Synergy® bracket has become the most popular selling RMO bracket. Many of our customers asked for the features of Synergy in a twin bracket. We listened to our customers and developed the new VersaT, which incorporates the friction reducing features of Synergy but in the Mini-Taurus twin design. Additionally we have included a vertical slot for auxiliary treatment applications.

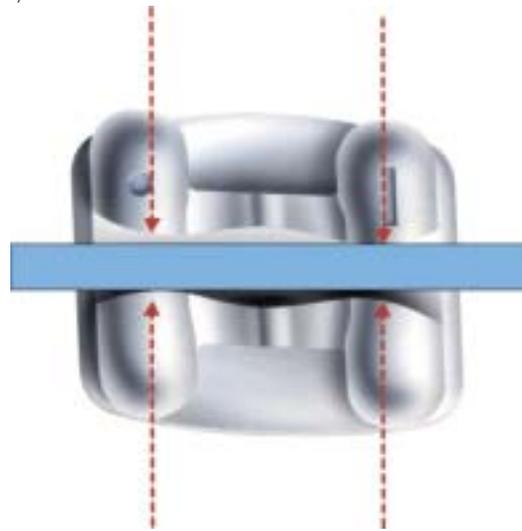
The patented VersaT brings together all the features for reduced friction in a twin design along with a vertical slot for auxiliaries.

Bracket prescriptions are generic and do not accommodate the individualized treatment requirements of each patient. VersaT, by using the vertical slot, allows the clinician to adjust the tip, torque, and rotation and manage space to fit the individualized treatment plan for each patient.

- New rounded arch slot walls
- New rounded arch slot floors
- New vertical slots
- Permanent and ink markings
- Gingival elastic hooks on cuspids and bicuspids
- The low profile vertical slot bracket
- CAD/CAM designed and MIM manufactured for strength and precision
- All surfaces and outer edges are rounded and contoured for superior patient comfort
- Patented and Patent Pending

ROUNDED ARCH SLOT WALLS

Rounded arch slot walls increase arch wire effectiveness dramatically. By eliminating binding and friction on arch wires, they are free to perform at their optimum. The gently curving slot walls let the arch wire enter and exit the slot without binding or inducing unnecessary arch wire stress. Because the arch wire isn't rigidly captured, as is the case with conventional edgewise brackets, a gentler and more continuous treatment force is generated. Leveling at the beginning of treatment is accomplished faster.

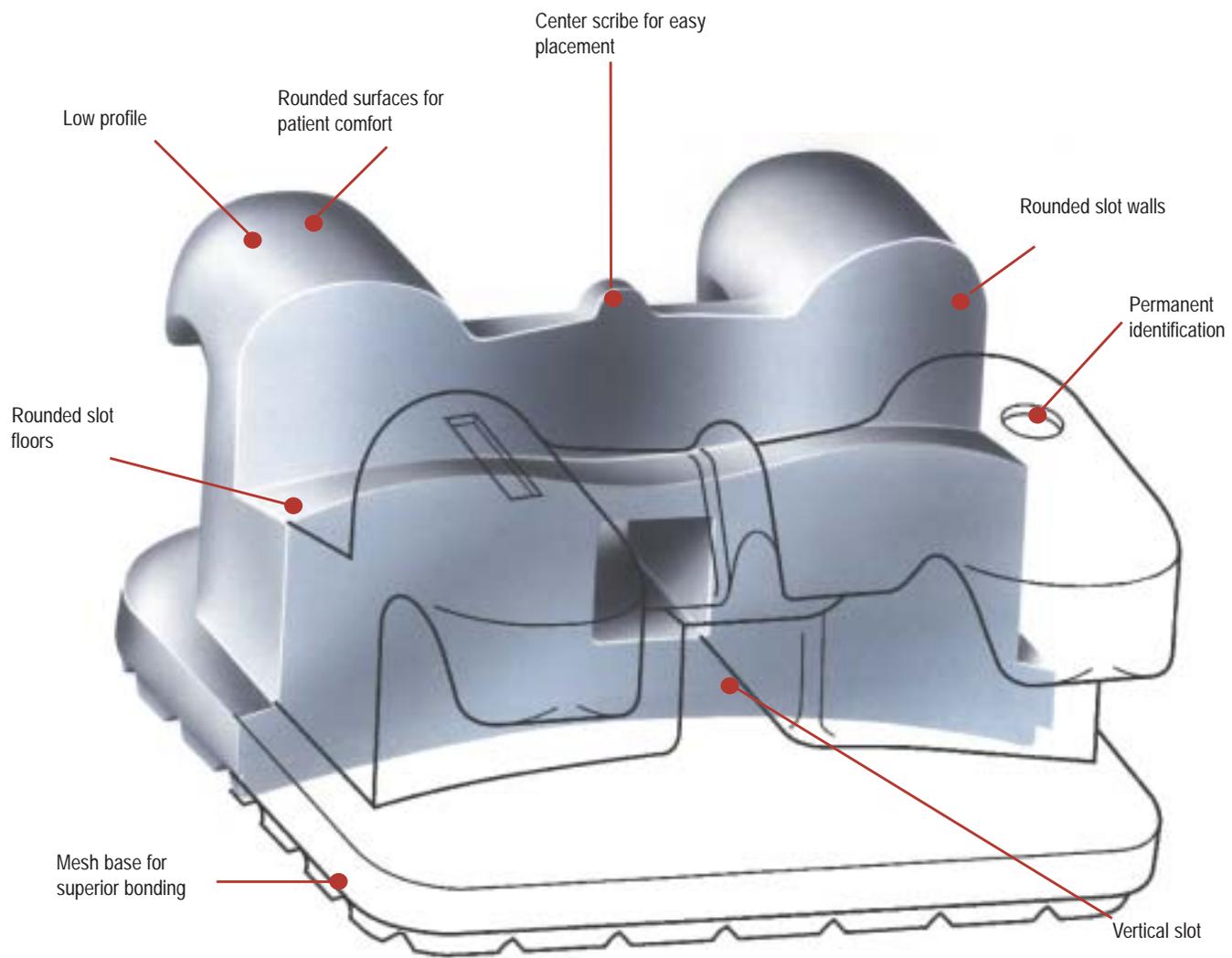


Contact points

Torque, tip and rotational forces are all delivered more gently due to the fact that the arch wire touches the VersaT bracket at the apex of the rounded walls only. The line contact between bracket and arch wire effectively increases inter-bracket distance for a more active, non-binding force.

Your patients will like the rounded arch slot feature because it makes arch wire insertion easier and reduces discomfort between appointments.

- Reduced friction for better sliding mechanics and shorter treatment time
- Increased arch wire efficiency and continuity
- Gentler, more continuous leveling force
- Non-binding
- More gradual torque, tip and rotational force dissipation
- Increased patient comfort



ROUNDED SLOT FLOOR



VersaT gives you maximum control, especially with rotational control. This is due to the rounded slot floor where the arch wire contacts only at two points thus reducing arch wire/bracket friction. Even woven or braided arch wires won't bind because the sharp ends of conventional flat bracket floors are gone.

- Less arch wire/bracket friction for more effective movement
- No binding, notching or kinking of arch wires
- Better mechanics, regardless of initial arch wire curvature or entry/exit vector
- Normal rotational control

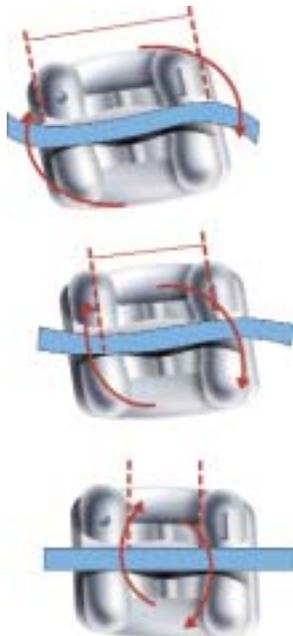
CORRECTIVE FORCES ARE PROPORTIONAL TO THE MALPOSITION OF THE TOOTH

At the beginning of treatment, maximum deflection of the arch wire produces maximum corrective/angulation movement. Maximum effectivity of the arch wire is utilized.

As the tooth moves toward desired position in terms of angulation and torque, corrective forces lessen as tangential contact points move inward. Intermediate corrective moment/forces are achieved.

Corrective forces gradually dissipate as tooth moves into final fully treated position. This gentle 'unwinding' of forces provides ideal biologic positioning, enhances stability, and reduces relapse.

Corrective forces of the wire are in proportion to the malposition of the tooth and diminish as the tooth approaches its ideal position.

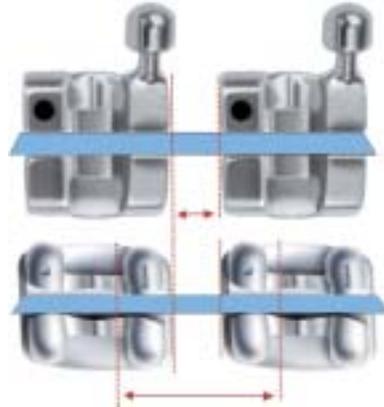


GENTLER ARCH WIRE DEFLECTION

Rounded arch walls allow tangential contact of the arch wire, thus avoiding sharp binding as the arch wire enters or exits the arch slot.



INCREASES THE EFFECTIVE INTERBRACKET DISTANCE



VERTICAL SLOT

Each VersaT bracket has a vertical slot. The slot accepts up to .020" auxiliaries and allows the practitioner options and flexibility – power pins, rotating springs and uprighting springs.

BETTER PLACEMENT AND BONDING

The VersaT bracket has a permanent center scribe indicator to help you quickly and accurately line up the brackets along the long axis of the tooth. Bracket and tube bonding bases are customized for left/right tooth anatomy and smoothly follow the facial and labial/buccal surface of the tooth.

The foil mesh bases are delicately balanced with the smallest possible bases and a surface area large enough for solid adhesion.

Features

- Reduced friction
- Reduced treatment time
- Rounded arch walls
- Rounded arch slot
- Vertical slot
- Low profile
- More patient comfort



VERTICAL SLOT TWIN BRACKET AUXILIARIES

VersaT UPRIGHTING SPRING

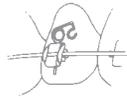


These springs are used to upright teeth mesialdistally. To select the correct spring to use, view the crown of a tooth from the labial and determine whether the direction of rotation to move the tooth into its correct position is clockwise or counterclockwise.

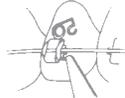
Order No.	Size	Direction of Rotation
A00620	.014" (0.36 mm)	Counterclockwise
A00621	.014" (0.36 mm)	Clockwise

Packages of ten (10)

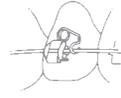
Instructions for placement:



Insert leg behind ligature into vertical slot.



Bend leg laterally for retention and leverage.



Hook arm around wire. Hook should have opening toward lingual.



Compress hook around archwire for retention.

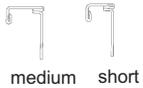


VersaT ROTATING SPRING

Rotating springs come in two types: Medium and Short, which differ in the lengths of their horizontal arms. Medium can be used for most teeth, and Short is for mandibular anterior teeth. For each Type, a spring is available to rotate the tooth in either a counterclockwise or clockwise direction when the tooth is viewed from the occlusal surface

Order No.	Type	Direction of Rotation
A00615	Short	Counterclockwise
A00616	Short	Clockwise
A00617	Medium	Counterclockwise
A00618	Medium	Clockwise

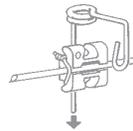
Packages of ten (10)



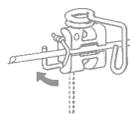
Instructions for placement:



A. Ligate archwire to bracket. If rotation is severe, use steel tie around archwire on one side only.



B. Insert tail of rotating spring through vertical slot from the gingival.



C. While holding lever arm 90° to buccal surface, bend tail against tooth surface in direction of desired rotation.



D. Push arm to engage archwire in same direction as tail or "leg". Coil will be activated to deliver desired rotational force to tooth.



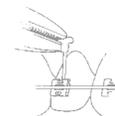
VersaT UNIVERSAL INSERT PIN

Universal Insert Pins prevent food debris or oral fluids from entering the vertical slot whenever the slot is not utilized.

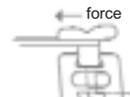
The Insert Pin has a low profile gingival head with a 15° labial inclination. As an option, the gingival head can be used as a hook for elastics or Energy-Chain™. The Pin can be inserted and removed from the vertical slot without affecting the archwire or ligature.

A00600 package of 100

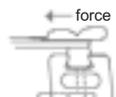
Instructions for placement:



Insert VersaT Universal Insert Pin into vertical slot from gingival, with 15° angle head tipping toward labial.



correct



incorrect

Bend tail away from elastic force.



THE MOST VERSATILE TWIN BRACKET APPLIANCE

SYNERGY® DESIGN RMO® VERSION OF THE ROTH® PREADJUSTED STRAIGHTWIRE SYSTEM

MAXILLARY BRACKETS	Ang.	Torque	Rotation	.018 Arch Slot On Bases		.022 Arch Slot On Bases	
				Right	Left	Right	Left
Central	5°	12°		M-3000	M-3001	M-3100	M-3101
Lateral	9°	8°		M-3002	M-3003	M-3102	M-3103
Cuspid without hook	11°	0°	4°MO	M-3004	M-3005	M-3104	M-3105
Cuspid with hook	11°	0°	4°MO	M-3006	M-3007	M-3106	M-3107
First/Second Bicuspid without hook	0°	-7°	2°DO	M-3008	M-3009	M-3108	M-3109
First/Second Bicuspid with hook	0°	-7°	2°DO	M-3010	M-3011	M-3110	M-3111

MAXILLARY TUBES	Ang.	Torque	Distal Offset	Headgear	Width	.018 Arch Slot				.022 Arch Slot			
						On Bands/ On Bases		Tube Only		On Bands/ On Bases		Tube Only	
						Right	Left	Right	Left	Right	Left	Right	Left
First Molar Triple Convertible with hook Torque in Base	0°	-14°	14°	.045 occlusal	3.8mm	A-8604	A-8605	A-5654	A-5655	A-8624	A-8625	A-5674	A-5675
First Molar Double Convertible with hook Torque in Base	0°	-14°	14°	.045 gingival	3.8mm	A-8600	A-8601	A-5650	A-5651	A-8620	A-8621	A-5670	A-5671
First Molar Double Convertible with ball hook Torque in Base	0°	-14°	14°	.045 occlusal	4.6mm	A-8602	A-8603	A-5652	A-5653	A-8622	A-8623	A-5672	A-5673
First Molar without headgear tube Double Convertible with hook	0°	-14°	14°		3.8mm	A-8684	A-8685	A-5684	A-5685	A-8686	A-8687	A-5686	A-5687
Double with hook without cap Torque in Base	0°	-14°	14°		3.8mm	A-8688	A-8689	A-5688	A-5689	A-8690	A-8691	A-5690	A-5691
Second Molar Single with hook	0°	-14°	14°		3.3mm	A-8606	A-8607	A-5656	A-5657	A-8626	A-8627	A-5676	A-5677

MANDIBULAR BRACKETS	Ang.	Torque	Rotation	.018 Arch Slot On Bases		.022 Arch Slot On Bases	
				Right	Left	Right	Left
Central/Lateral	2°	0°		M-3020	M-3021	M-3120	M-3121
Cuspid without hook	5°	-11°	2°MO	M-3024	M-3025	M-3124	M-3125
Cuspid with hook	5°	-11°	2°MO	M-3026	M-3027	M-3126	M-3127
First Bicuspid without hook	0°	-17°	4°DO	M-3028	M-3029	M-3128	M-3129
First Bicuspid with hook	0°	-17°	4°DO	M-3030	M-3031	M-3130	M-3131
Second Bicuspid without hook	0°	-22°	4°DO	M-3032	M-3033	M-3132	M-3133
Second Bicuspid with hook	0°	-22°	4°DO	M-3034	M-3035	M-3134	M-3135

MANDIBULAR TUBES	Ang.	Torque	Distal Offset	Headgear	Width	.018 Arch Slot				.022 Arch Slot			
						On Bases		On Bands/ Tube Only		On Bases		On Bands/ Tube Only	
						Right	Left	Right	Left	Right	Left	Right	Left
First Molar Triple with hook Torque in base	-1°	-30°	4°	.045 occlusal	3.8mm	A-8610	A-8611	A-5660	A-5661	A-8630	A-8631	A-5680	A-5681
First Molar Double Convertible with hook Torque in Base	-1°	-30°	4°		3.8mm	A-8608	A-8609	A-5658	A-5659	A-8628	A-8629	A-5678	A-5679
Second Molar Single with hook	-1°	-30°	4°		3.3mm	A-8612	A-8613	A-5662	A-5663	A-8632	A-8633	A-5682	A-5683

KITS single case (20 brackets)

.018 Arch Slot			.022 Arch Slot		
Roth VersaT	without hooks, 5-5	KM03000	Roth VersaT	without hooks, 5-5	KM03100
Roth VersaT	hook on cuspid, 5-5	KM03001	Roth VersaT	hook on cuspid, 5-5	KM03101
Roth VersaT	hook on cuspid/bicuspid, 5-5	KM03002	Roth VersaT	hook on cuspid/bicuspid, 5-5	KM03102