

Synergy fx®

A fully functional bracket

Several years ago, the first-generation Synergy® opened eyes to new possibilities in orthodontic treatment efficiency around the world. With generation two, Synergy fx® brings a new standard of treatment efficiency. Synergy fx continues this tradition by allowing light and consistent forces that can be exerted over long periods of time.

Low friction-low force

Patented rounded arch slot walls and floor, let the arch wires reach their full potential by minimizing frictional opposition to sliding during the alignment stage. This adds to the effectiveness of the arch wire and contributes to the combined effect of Synergy.

More than meets the eye

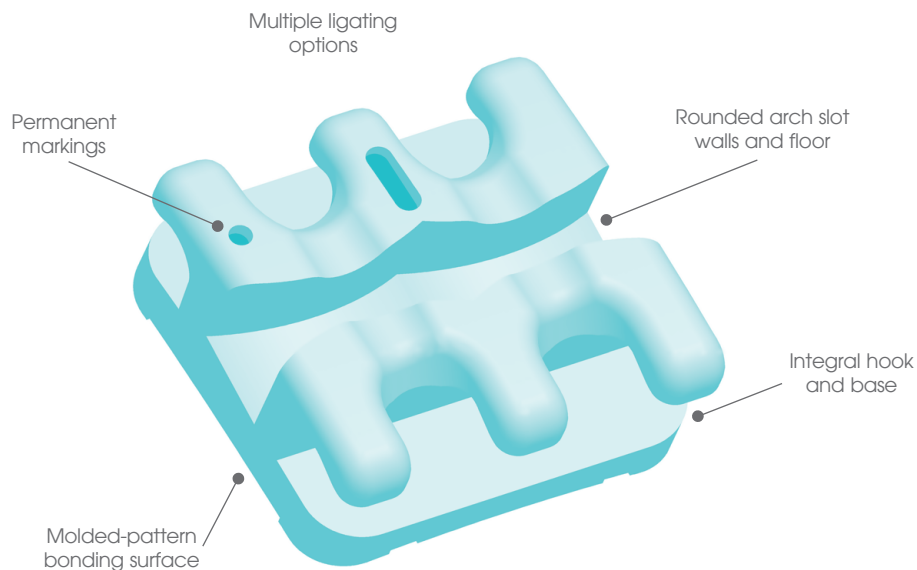
Synergy fx is totally integrated as one unit with built in wings, hooks and base. The integral bonding base eliminates bracket from base separation. Synergy fx has six identical size tie wings for easy ligation, strength and patient comfort. The lower central/lateral brackets are also in the Synergy six tie wings. This assures the quickest possible movement by all the teeth to immediately engage in movement.

More comfort

Synergy fx low friction, light forces along with its low, rounded profile means more comfort. Low profile has less irritation to soft tissue and less interference with the upper teeth.

Available in these techniques:





- Straight Wire Low Force (SWLF®)
- RMO's Version of Roth® Straight Wire System





bracket&tubesystems

SYNERGY FX® DESIGN RMO® VERSION OF
ROTH PREADJUSTED STRAIGHT WIRE SYSTEM



Maxillary brackets						.018 Arch Slot	.022 Arch Slot	
	Angulation	Torque	Rotation	Width	Right/Left			
Black 	Central					R L	M09500 M09501	M09600 M09601
	5°	12°	0°	3.5mm				
Black 	Lateral					R L	M09502 M09503	M09602 M09603
	9°	8°	0°	3.5mm				
Black 	Cuspid					R L	M09506 M09507	M09606 M09607
	10°	2°	4° MO	3.5mm				
	With hook							
Black 	First/Second Bicuspid					R L	M09510 M09511	M09610 M09611
	0°	-7°	2° DO	3.5mm				
	With hook							

Maxillary tubes							.018 Arch Slot		.022 Arch Slot	
	Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands
	First Molar					R L	A08634 A08635	A05664 A05665	A08636 A08637	A05692 A05693
	Single convertible with hook									
	0°	-10°	15°	3.8mm						
	Torque in base.									
	First Molar					R L	A08600 A08601	A05650 A05651	A08620 A08621	A05670 A05671
	Double convertible with hook									
	0°	-14°	14°	3.8mm	.045 gingival					
	Torque in base.									
	First Molar					R L	A08602 A08603	A05652 A05653	A08622 A08623	A05672 A05673
	Double convertible with ball hook									
	0°	-14°	14°	4.2mm	.045 occlusal					
	Torque in base.									
	First Molar					R L	A08684 A08685	A05684 A05685	A08686 A08687	A05686 A05687
	Double convertible with hook									
	0°	-14°	14°	3.8mm						
	Double with hook without cap									
	0°	-14°	14°	3.8mm						
	Torque in base.									
	First Molar					R L	A08604 A08605	A05654 A05655	A08624 A08625	A05674 A05675
	Triple convertible with hook									
	0°	-14°	14°	3.8mm	.045 occlusal					
	Torque in base.									
	Second Molar					R L	A08606 A08607	A05656 A05657	A08626 A08627	A05676 A05677
	Single with hook									
	0°	-14°	14°	3.3mm						



bracket&tubesystems

SYNERGY FX® DESIGN RMO® VERSION OF ROTH PREADJUSTED STRAIGHT WIRE SYSTEM

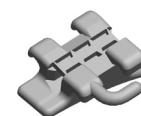
Mandibular brackets

Angulation	Torque	Rotation	Width	Right/Left	.018 Arch Slot	.022 Arch Slot
Central/Lateral						
0°	-1°	0°	2.9mm	R/L	M09520	M09620
Cuspid						
7°	-11°	2° MO	3.5mm			
With hook				R	M09526	M09626
				L	M09527	M09627
First Bicuspid						
0°	-17°	4° DO	3.5mm			
With hook				R	M09530	M09630
				L	M09531	M09631
Second Bicuspid						
0°	-22°	4° DO	3.5mm	R	M09534	M09634
With hook				L	M09535	M09635



Mandibular tubes

Angulation	Torque	Distal Offset	Width	Lip Bumper	Right/Left	.018 Arch Slot		.022 Arch Slot		
						On Bases	Tubes Only/ On Bands	On Bases	Tubes Only/ On Bands	
First Molar										
Single convertible with hook										
-1°	-30°	0°	3.8mm		R	A08638	A05666	A08640	A05694	
Not preangulated. Torque in base.						L	A08639	A05667	A08641	A05695
First Molar										
Double convertible with hook										
-1°	-30°	4°	3.8mm		R	A08608	A05658	A08628	A05678	
Not preangulated. Torque in base.						L	A08609	A05659	A08629	A05679
First Molar										
Triple with hook										
-1°	-30°	4°	3.8mm	.045 occlusal	R	A08610	A05660	A08630	A05680	
Not preangulated. Torque in base.						L	A08611	A05661	A08631	A05681
Second Molar										
Single with hook										
-1°	-30°	4°	3.3mm		R	A08612	A05662	A08632	A05682	
Not preangulated.						L	A08613	A05663	A08633	A05683



BRACKET&TUBESYSTEMS

KITS





Single Case, 20 Brackets



- KM09502** Roth Synergy *fx*® .018 hook on cuspid/bicuspid, 5-5
- KM09602** Roth Synergy *fx*® .022 hook on cuspid/bicuspid, 5-5

bracket & tube systems

SYNERGY FX[®] DESIGN RMO[®]
STRAIGHT WIRE LOW FRICTION (SWLF[®])



Maxillary brackets						.018 Arch Slot	.022 Arch Slot	
Angulation	Torque	Rotation	Width	Right/Left				
Black		Central						
		3°	17°	0°	3.5mm	R L	M04800 M04801	M04900 M04901
Black		Lateral						
		9°	8°	0°	3.5mm	R L	M04802 M04803	M04902 M04903
Black		Cuspid						
		8° With hook	0°	0°	3.5mm	R L	M04806 M04807	M04906 M04907
Black		First/Second Bicuspid						
		0° With hook	-7°	2° DO	3.5mm	R L	M04810 M04811	M04910 M04911

Maxillary tubes						.018 Arch Slot		.022 Arch Slot	
Angulation	Torque	Distal Offset	Width	Headgear	Right/Left	On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands
	First Molar								
	Triple convertible with hook								
0°	-14°	10°	4.2mm	.045 occlusal	R	A08532	A05708	A08552	A05728
Torque in base.					L	A08533	A05709	A08553	A05729
	Second Molar								
	Single convertible with hook								
0°	-14°	10°	3.3mm		R	A08534	A05710	A08554	A05730
Torque in base.					L	A08535	A05711	A08555	A05731

bracket & tube systems

SYNERGY FX® DESIGN RMO®
STRAIGHT WIRE LOW FRICTION (SWLF®)



Mandibular brackets

Angulation	Torque	Rotation	Width	Right/Left	.018 Arch Slot		.022 Arch Slot	
Central/Lateral								
0°	-1°	0°	2.9mm	R/L	M04820		M04920	
Cuspid								
0°	0°	0°	3.5mm	R/L	M04826		M04926	
With hook								
First/Second Bicuspid								
0°	-17°	4° DO	3.5mm					
With hook					R	M04830	M04930	
					L	M04831	M04931	



Mandibular tubes

Angulation	Torque	Distal Offset	Width	Right/Left	.018 Arch Slot		.022 Arch Slot		
					On Bases	Tube Only/ On Bands	On Bases	Tube Only/ On Bands	
First Molar									
Double convertible with hook									
0°	-25°	8°	4.2mm	R	A08536	A05712	A08556	A05732	
Torque in base.					L	A08537	A05713	A08557	A05733
Second Molar									
Single convertible with hook									
0°	-20°	8°	3.3mm	R	A08538	A05714	A08558	A05734	
Torque in base.					L	A08539	A05715	A08559	A05735



KITS

Single Case, 20 Brackets

- KM04802** SWLF® Synergy fx® .018 hook on cuspid/bicuspid, 5-5
- KM04902** SWLF® Synergy fx® .022 hook on cuspid/bicuspid, 5-5