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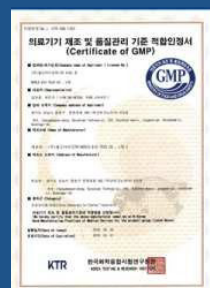


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World Bio Tech

- + Customer satisfaction is our top priority
- + Striving to develop advanced technology and high-quality products
- + Meet the WORLD BIO TECH that improves the quality of your life

Certification



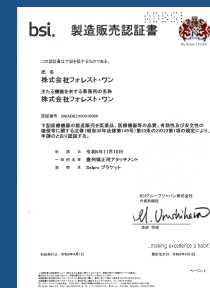
GMP



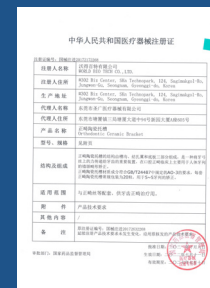
ISO 13485



CE



PMDA



NMPA

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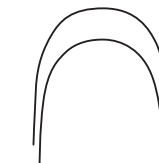
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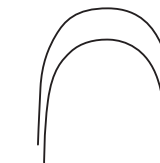
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**MULTI
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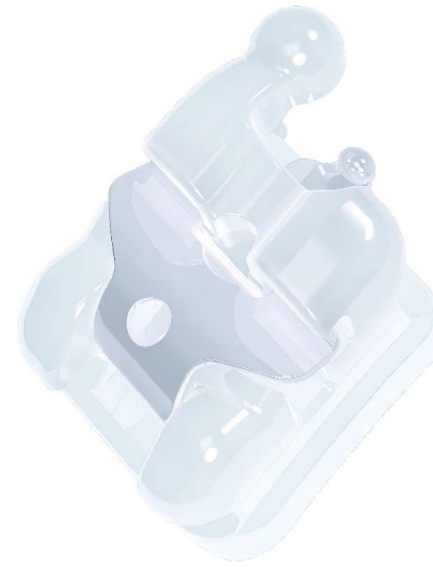




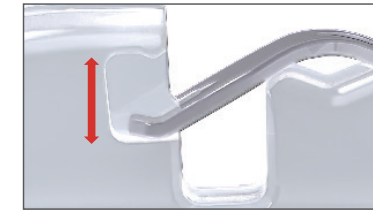
이기준 교수
연세대학교 치과대학병원 교정과
Designed by Prof. Kee-Joon Lee
Yonsei University Dental Hospital

Precise Self Ligating Ceramic Bracket System

“Self Ligating Ceramic Bracket은 Detail이 중요합니다.”



대조군



Selpro A



대조군 대비 Clip 유격 감소

- ▶ Clip과 Bracket의 결속부위의 정밀치수 구현으로 Clip 변형방지 및 Stiffness 개선
- ▶ Gap이 좁은 Clip 벌어짐 방지 Barrier로 인한 Wire의 강한 고정력 발휘
- ▶ **Precise Clip Play** : 대조군 대비 Clip 유격 감소로 회전 및 토크 조절 정밀성 증대
- ▶ **Precise Clip Insertion Slot** : 두께 증가로 파절 방지

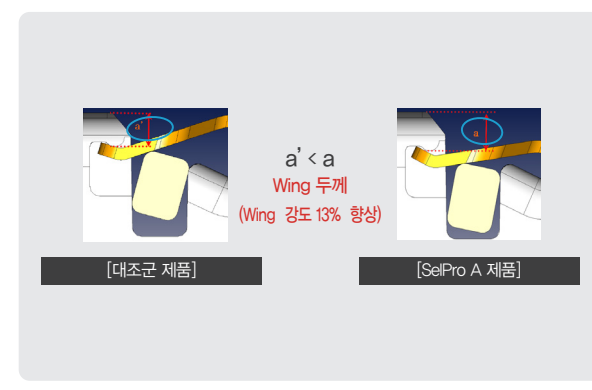
ROTH .018 / .022

	Tooth	Torque	Ang	.018 slot	.022 slot
Maxillary	Central	12°	5°	SCAB-R18-11,21	SCAB-R22-11,21
	Lateral	8°	9°	SCAB-R18-12,22	SCAB-R22-12,22
	Cuspid with Hook	-2°	11°	SCAB-R18-13H,23H	SCAB-R22-13H,23H
	1 st Bicuspid with Hook	-7°	0°	SCAB-R18-145H,245H	SCAB-R22-145H,245H
	2 nd Bicuspid with Hook	-7°	0°	SCAB-R18-145H,245H	SCAB-R22-145H,245H
Mandibular	Anteriors	0°	0°	SCAB-R18-3412	SCAB-R22-3412
	Cuspid with Hook	-11°	7°	SCAB-R18-33H,43H	SCAB-R22-33H,43H
	1 st Bicuspid with Hook	-17°	0°	SCAB-R18-34H,44H	SCAB-R22-34H,44H
	2 nd Bicuspid with Hook	-22°	0°	SCAB-R18-35H,45H	SCAB-R22-35H,45H
Patient Kit	3X3			SCAB-R18-U3L3	SCAB-R22-U3L3
	5X5			SCAB-R18-U5L5	SCAB-R22-U5L5

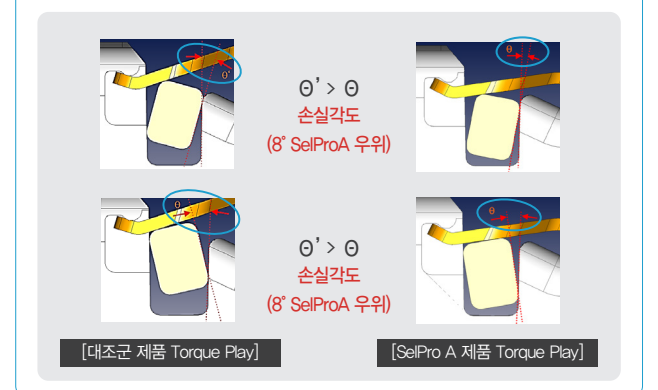
MBT .022

	Tooth	Torque	Ang	.022 slot
Maxillary	Central	17°	4°	SCAB-M22-11,21
	Lateral	10°	8°	SCAB-M22-12,22
	Cuspid with Hook	0°	8°	SCAB-M22-13H, 23H
	1 st Bicuspid with Hook	-7°	0°	SCAB-M22-145H, 245H
	2 nd Bicuspid with Hook	-7°	0°	SCAB-M22-145H, 245H
Mandibular	Anteriors	-6°	0°	SCAB-M22-3412
	Cuspid with Hook	0°	3°	SCAB-M22-33H, 43H
	1 st Bicuspid with Hook	-12°	2°	SCAB-M22-34H, 44H
	2 nd Bicuspid with Hook	-17°	2°	SCAB-M22-35H, 45H
Patient Kit	3X3			SCAB-M22-U3L3
	5X5			SCAB-M22-U5L5

Bracket Wing 두께 비교



Torque Play 시뮬레이션



Open



Opener Tip을
Body와 Door 사이에 위치 한 후 아래로
힘을 주어 Door를 개방시킵니다.

Close



Wire를 Slot에
밀착 시킨 후 기구 또는 손가락 밀어서
완전히 닫습니다.

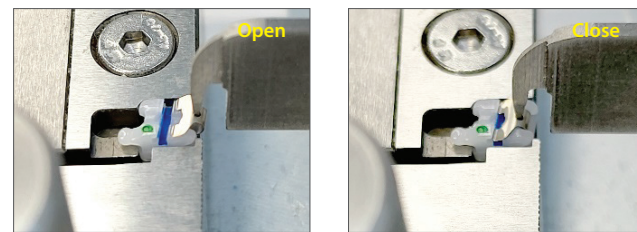
Opening Tool



P181
Clip Opener



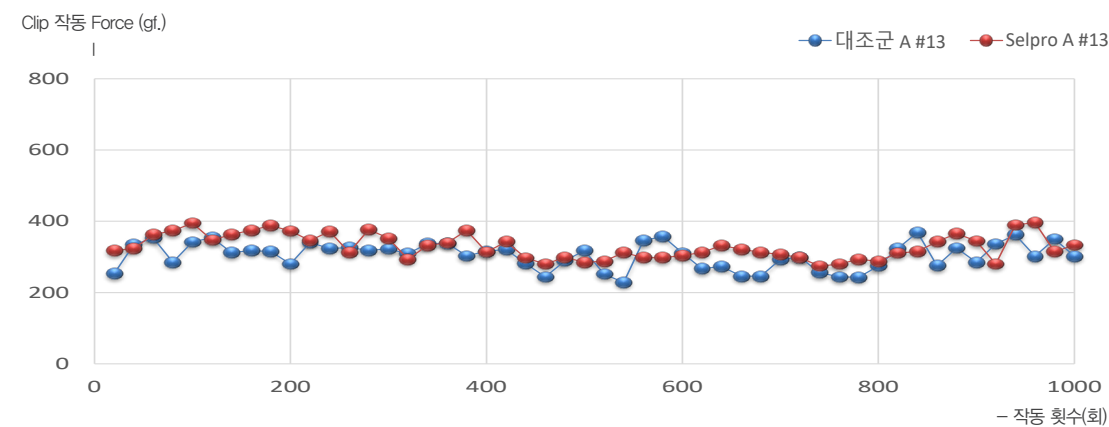
Clip 작동성 테스트 방법



Push Pull Digital Machine (장비명)

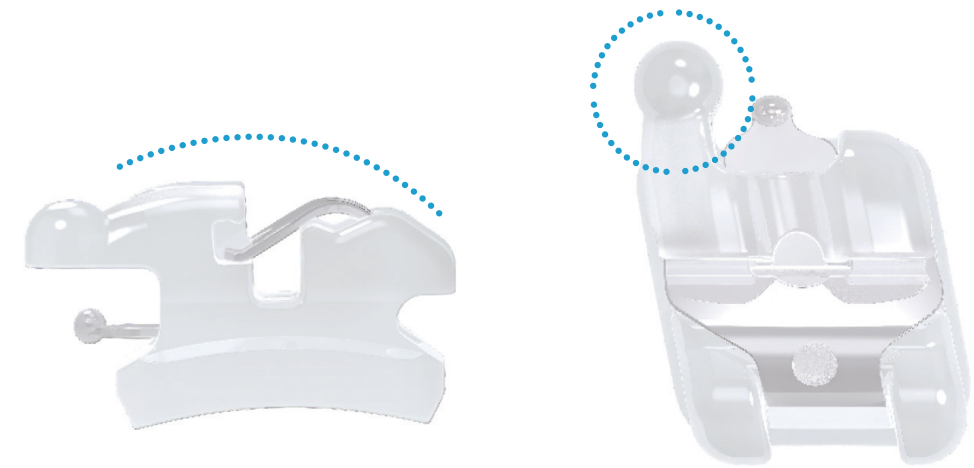
- ▶ 대조군 대비 Clip의 강한 결속력
- ▶ 반복 작동에도 Clip 결속력 지속 유지
- ▶ Wire 교체 과정에서의 Open/Close 동작간 Clip 변형 방지
- ▶ Clip 개선에 따른 Wire의 지속적으로 강한 고정력 발휘

Clip 작동성 테스트 결과



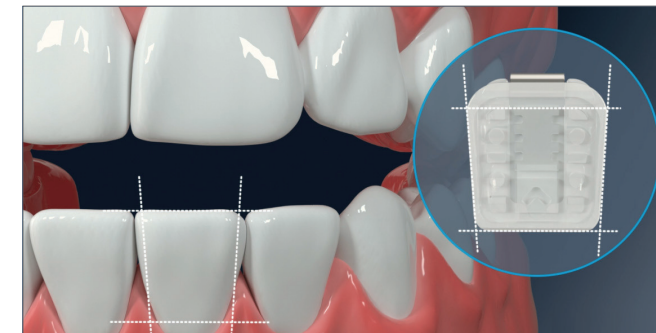
구분	대조군 A	Selpro A
Avg.	304 gf.	329 gf.
Max.	369 gf.	396 gf.
Min.	228 gf.	274 gf.
표준편차	37 gf.	35 gf.

시험기관: KCL (한국건설생활환경시험연구원)



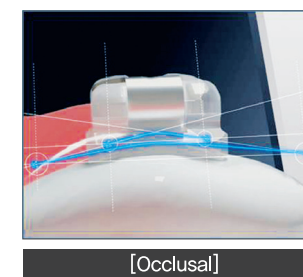
▶ Round Body & Wing 및 Spherical Hook 적용

- ▶ 구강내 접촉면을 최소화 시킨 Spherical Hook 적용
- ▶ 이물감 및 통증 감소를 위한 Round Design 적용



▶ Mandibular Anterior Morphology 적용

- ▶ 치아 형태에 맞춘 Rhombus 형태의 Base Design 적용
- ▶ 근접치아 간섭 방지 및 IBD(Inter Bracket Distance)의 확보

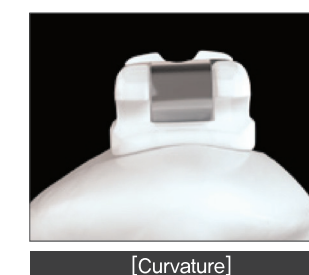
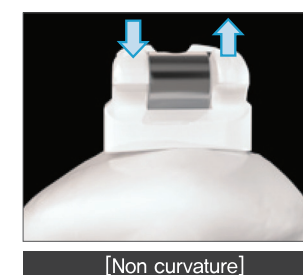


▶ Global Citizen Curvature Big Data 적용

- ▶ Global Citizen Big Data 산출
- ▶ 치아의 Occlusal 과 Gingival 기준축의 평균 곡률값 적용

Precise Canine Curvature :

- 치아에 맞는 곡률형성으로 견치 및 소구치 회전 조절 편의성 극대화
- 치아 곡률 적합도 개선으로 안정적인 치아 본딩 및 정확한 교정력 전달





이기준 교수
연세대학교 치과대학병원 교정과
Designed by Prof. Kee-Joon Lee
Yonsei University Dental Hospital

Precise Self Ligating Ceramic Bracket System

“Self Ligating Ceramic Bracket은 Detail이 중요합니다.”



- ▶ Super Rotation Control Moment
 - ▷ 타사대비 15~43% 이상의
 - ▷ Rotation Control Moment 보유

ROTH .022

	Tooth	Torque	Ang	.022 slot
Maxillary	Central	12°	5°	SCPB-R22-11,21
	Lateral	8°	9°	SCPB-R22-12,22
	Cuspid with Hook	-2°	11°	SCPB-R22-13H,23H
	1 st Bicuspid with Hook	-7°	0°	SCPB-R22-145H,245H
	2 nd Bicuspid with Hook	-7°	0°	SCPB-R22-145H,245H
Mandibular	Anteriors	0°	0°	SCPB-R22-3412
	Cuspid with Hook	-11°	7°	SCPB-R22-33H,43H
	1 st Bicuspid with Hook	-17°	0°	SCPB-R22-344H
	2 nd Bicuspid with Hook	-22°	0°	SCPB-R22-345H
Patient Kit	3X3			SCPB-R22-U3L3
	5X5			SCPB-R22-U5L5

MBT .022

	Tooth	Torque	Ang	.022 slot
Maxillary	Central	17°	4°	SCPB-M22-11,21
	Lateral	10°	8°	SCPB-M22-12,22
	Cuspid with Hook	0°	8°	SCPB-M22-13H,23H
	1 st Bicuspid with Hook	-7°	0°	SCPB-M22-145H, 245H
	2 nd Bicuspid with Hook	-7°	0°	SCPB-M22-145H, 245H
Mandibular	Anteriors	-6°	0°	SCPB-M22-3412
	Cuspid with Hook	0°	3°	SCPB-M22-33H,43H
	1 st Bicuspid with Hook	-12°	2°	SCPB-M22-34H,44H
	2 nd Bicuspid with Hook	-17°	2°	SCPB-M22-35H,45H
Patient Kit	3X3			SCPB-M22-U3L3
	5X5			SCPB-M22-U5L5

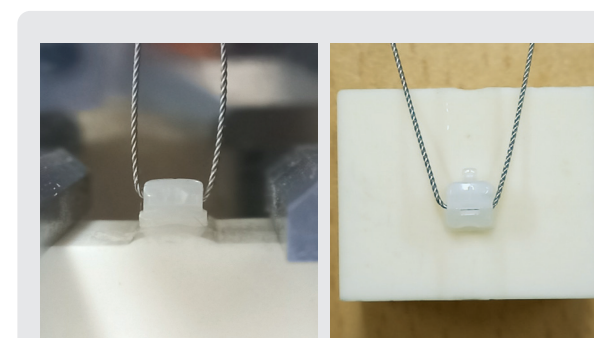
Passive Self-Ligating Ceramic Bracket



- ▶ Minimum Rotation Loss Angle
 - ▷ Ceramic Cap 폭의 최대 구현으로 Wire 기울기 각도 최소화 (손실각도)
 - ▷ Wire의 Loss Angle의 감소로 Available Angle 증가 (가용각도)
- ▶ CAE 구조 분석으로 안정한 Cap 구조 적용
 - ▷ Wire의 하중의 저항성을 높인 PPC 구조 적용으로 Cap 탈락 강도 개선
- ▶ 작동감이 구현된 UBH /DBH 구조 적용
 - ▷ 특허 등록된 UBH /DBH구조 적용으로 Open/Close 작동감 개선

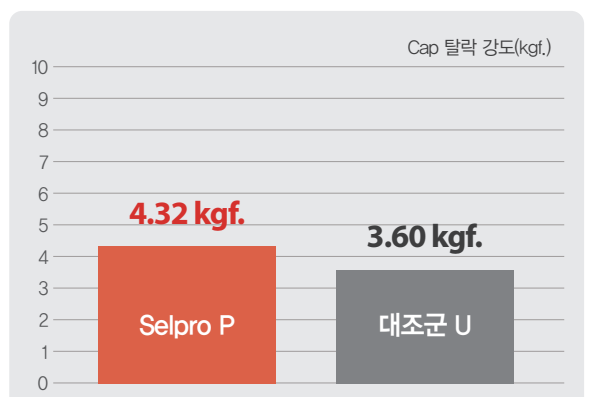
구분	Selpro P	대조군 U	대조군 S	대조군 D
Cap Width	3.76 mm	3.43 mm	1.81 mm	1.50 mm
Eq.	* Moment * $L1 < L2$ $M(a) = L(a) * F$ $M(b) = L(b) * F$ $\therefore \text{Moment} = M(a) < M(b)$ *Loss Angle* $\alpha(a) > \alpha(b)$ *Availability Angle* $\alpha(a) < \alpha(b)$ Selpro P Moment 대조군 U 대비 15% ↑ 대조군 S 대비 35% ↑ 대조군 D 대비 43% ↑ * Selpro P 제품이 동일 하중도 치아 Rotation이 넓은 각도로 쉽게 이동			

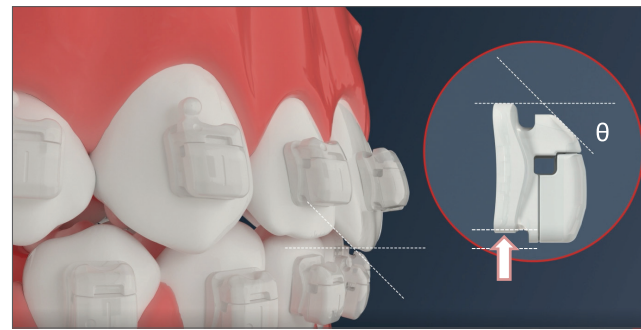
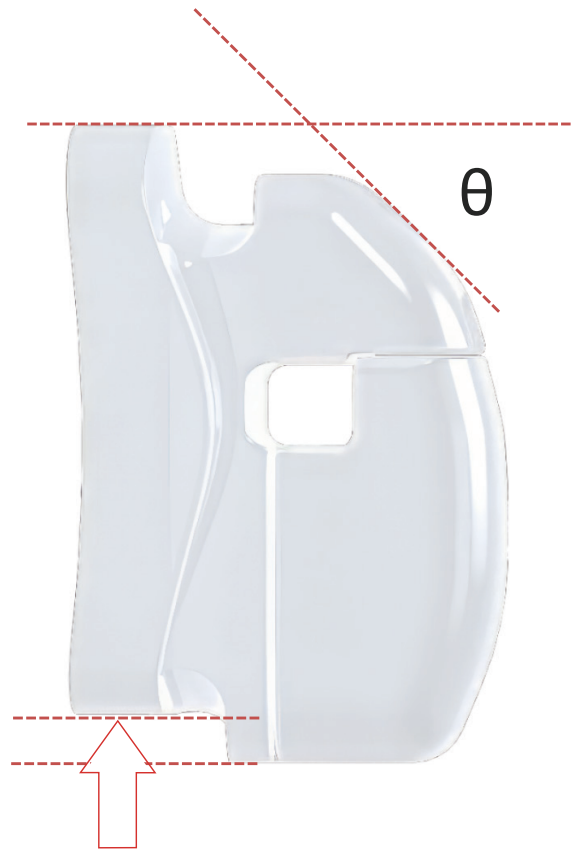
Ceramic Cap 탈락 강도 측정 방법



시험기관: KCL (한국건설생활환경시험연구원)

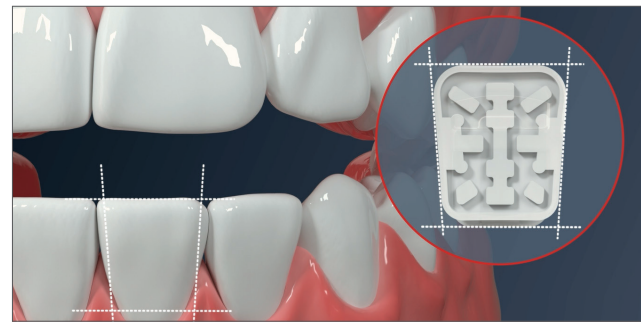
Ceramic Cap 탈락 강도 측정 결과





▶ Safe Overbite - Overjet 구조 적용

- ▶ 상악 전치의 간섭을 최소화한 하악치 Bracket Body Wing 경사 구조 적용
- ▶ 하악 브라켓 Position의 편리성을 위한 Base Design



▶ Mandibular Anterior Morphology 적용

- ▶ 치아 형태에 맞춘 Rhombus 형태의 Base Design 적용
- ▶ 근접치아 간섭 방지 및 IBD(Inter Bracket Distance)의 확보

Open



Opener Tip을 Body와 Door 사이에 위치한 후 약 40° 정도 회전시켜 Door를 개방시킵니다.

Close



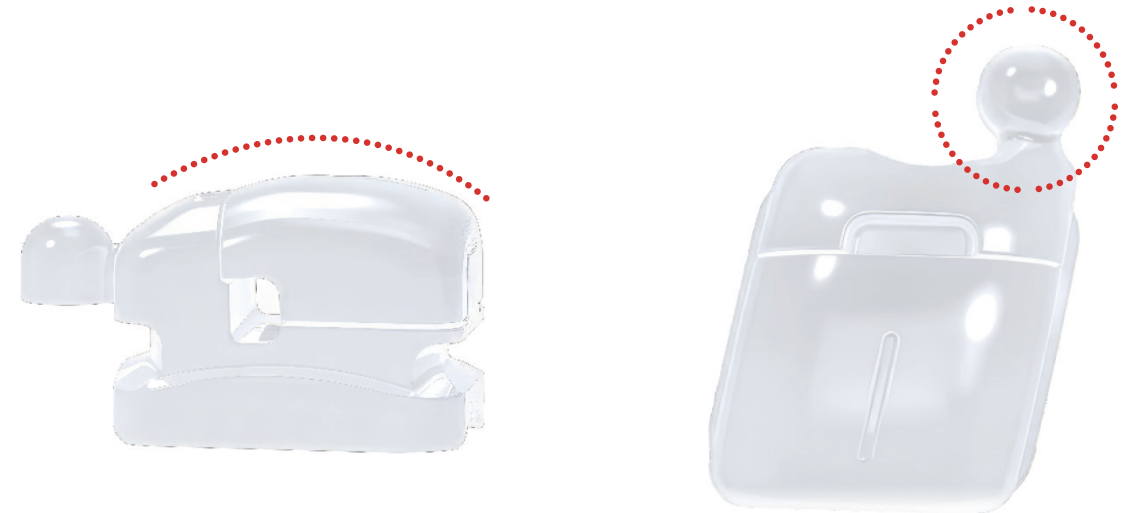
Wire를 Slot에 밀착시킨 후 기구 또는 손가락 밀어서 "딸깍" 소리를 확인 후 완전히 닫습니다.

Opening & Closing Tool



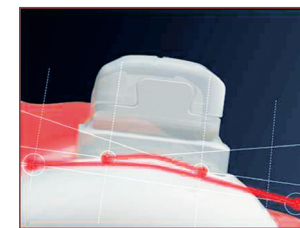
P182
Door Opener

P183
Closing Tool

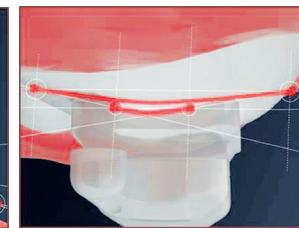


▶ Comfortable Spherical Hook 적용

- ▶ 구강내 접촉면을 최소화 시킨 Spherical Hook 적용.
- ▶ 이물감 및 통증 감소를 위한 Glass Surface 처리.



[Occlusal]



[Gingival]



[Non curvature]



[Curvature]

▶ Global Citizen Curvature Big Data 적용

- ▶ Global Citizen Big Data 산출
- ▶ 치아의 Occlusal과 Gingival 기준축의 평균 곡률값 적용

Precise Canine Curvature : 치아에 맞는 곡률형성으로 견치 및 소구치 회전 조절 편의성 극대화

▶ Simulation 분석으로 Tie Groove 구조 적용

- ▶ Elastic의 Ligation을 위한 기능 개선

▶ Mandibular Central Inclined Hook 구조 적용

- ▶ Gingival의 간섭을 최소화한 기울기 적용
- ▶ 하악 소구치 Central Hook Positioning으로 이물감, 통증감소 및 Elastic 결합성 개선



Selpro P 사용 시 고려사항

슬롯의 위치

슬롯이 브라켓의 상부에 위치하므로 포지셔닝시 적용이 필요하며, 장치 부착시 슬롯의 위치를 주의깊게 관찰합니다.

아치와이어 시퀀스

충분한 토크 조절 및 회전 조절이 이루어진 후에 풀사이즈 와이어 결합이 용이해 집니다.

도어 오픈

전용기구를 40°로 가볍게 회전시키는 동작만으로 쉽게 열리며, 힘을 주어 밀 경우 오히려 잘 열리지 않거나 도어가 파손될 수 있습니다.

도어 클로징

슬롯에 와이어가 밀착되는지 충분히 확인 후 닫으며, 특히 렉트와이어 사용시 전용기구 사용을 추천합니다.

도어가 저절로 열림

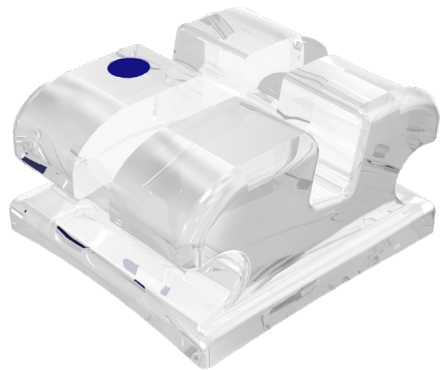
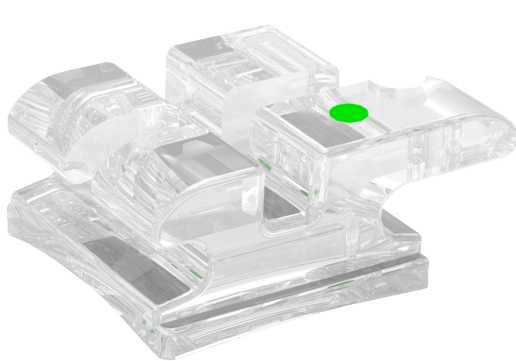
와이어가 슬롯에 충분히 밀착되지 않은 상태에서 도어를 닫으면 도어가 열리는 현상으로 파절이 발생할 수 있으니, 도어를 닫을때 '딸깍'하는 폐쇄음을 반드시 확인합니다.

도어가 닫히지 않음

도어가 닫히지 않는 현상 발생 시 이전 와이어 단계로 회귀하거나 해당 치아를 오링으로 결합한 후 다음 내원시 확인할 수 있습니다.

도어나 원의 파절

상악의 premature contact으로 인해 하악 전치부의 도어나 원의 파절이 발생하지 않도록 유의합니다.



Bijou

- ▶ Rounding한 Design으로 환자의 이물감 최소화
- ▶ Base 면적의 70%만 Coating하여 Bonding 및 Debonding 시 치아의 법랑질을 안전하게 보호
- ▶ 단결정 Sapphire Bracket으로 심미성 우수
- ▶ Slot과 Body 전체에 Plasma Silica Coating으로 최상의 Sliding과 강한 파절 저항력 구현

X.O(Extra Order)

- ▶ 비발치 전용 Low Torque Bracket
- ▶ 비발치 교정에 적합한 Low Torque와 Angulation값 부여



Bijou

ROTH .018 / .022

	Tooth	Torque	Ang	.018 slot	.022 slot
Maxillary	Central	12°	5°	BJB-R18-11,21	BJB-R22-11,21
	Lateral	8°	9°	BJB-R18-12,22	BJB-R22-12,22
	Cuspid with Hook	-2°	11°	BJB-R18-13H,23H	BJB-R22-13H,23H
	1 st Bicuspid with Hook	-7°	0°	BJB-R18-14H,24H	BJB-R22-14H,24H
	1 st Bicuspid without Hook	-7°	0°	BJB-R18-14,24	BJB-R22-14,24
	2 nd Bicuspid with Hook	-7°	0°	BJB-R18-15H,25H	BJB-R22-15H,25H
Mandibular	2 nd Bicuspid without Hook	-7°	0°	BJB-R18-15,25	BJB-R22-15,25
	Anteriors	0°	0°	BJB-R18-3412	BJB-R22-3412
	Cuspid with Hook	-11°	7°	BJB-R18-33H,43H	BJB-R22-33H,43H
	1 st Bicuspid with Hook	-17°	0°	BJB-R18-34H,44H	BJB-R22-34H,44H
	1 st Bicuspid without Hook	-17°	0°	BJB-R18-34,44	BJB-R22-34,44
	2 nd Bicuspid with Hook	-22°	0°	BJB-R18-35H,45H	BJB-R22-35H,45H
Patient Kit	2 nd Bicuspid without Hook	-22°	0°	BJB-R18-35,45	BJB-R22-35,45
	3X3			BJB-R18-300	BJB-R22-300
	5X5			BJB-R18-500(H)	BJB-R22-500(H)

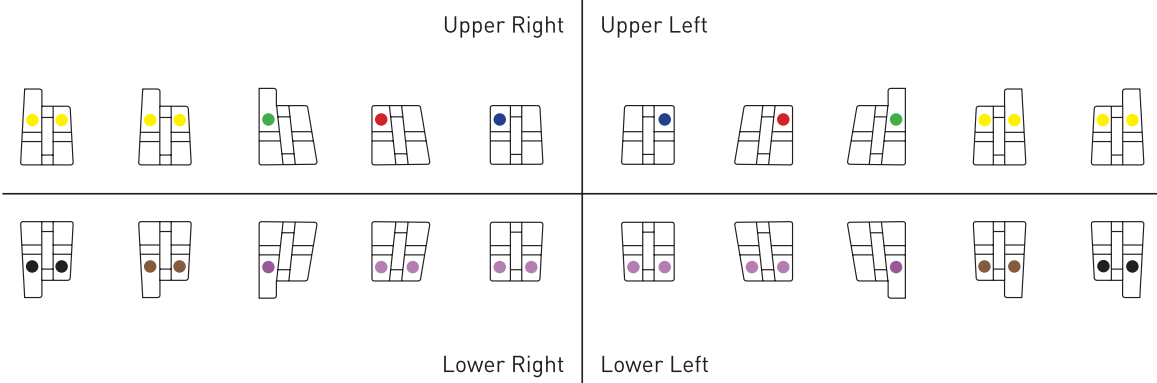
MBT .018 / .022

	Tooth	Torque	Ang	.018 slot	.022 slot
Maxillary	Central	17°	4°	BJB-M18-11,21	BJB-M22-11,21
	Lateral	10°	8°	BJB-M18-12,22	BJB-M22-12,22
	Cuspid with Hook	0°	8°	BJB-M18-13H,23H	BJB-M22-13H,23H
	1 st Bicuspid with Hook	-7°	0°	BJB-M18-14H,24H	BJB-M22-14H,24H
	1 st Bicuspid without Hook	-7°	0°	BJB-M18-14,24	BJB-M22-14,24
	2 nd Bicuspid with Hook	-7°	0°	BJB-M18-15H,25H	BJB-M22-15H,25H
Mandibular	2 nd Bicuspid without Hook	-7°	0°	BJB-M18-15,25	BJB-M22-15,25
	Anteriors	-6°	0°	BJB-M18-3412	BJB-M22-3412
	Cuspid with Hook	0°	3°	BJB-M18-33H,43H	BJB-M22-33H,43H
	1 st Bicuspid with Hook	-12°	2°	BJB-M18-34H,44H	BJB-M22-34H,44H
	1 st Bicuspid without Hook	-12°	2°	BJB-M18-34,44	BJB-M22-34,44
	2 nd Bicuspid with Hook	-17°	2°	BJB-M18-35H,45H	BJB-M22-35H,45H
Patient Kit	2 nd Bicuspid without Hook	-17°	2°	BJB-M18-35,45	BJB-M22-35,45
	3X3			BJB-M18-300	BJB-M22-300
	5X5			BJB-M18-500(H)	BJB-M22-500(H)

X.O

X.O .018 / .022

	Tooth	Torque	Ang	.018 slot	.022 slot
Maxillary	Central	7°	5°	BJB-XO18-11,21	BJB-XO22-11,21
	Lateral	3°	8°	BJB-XO18-12,22	BJB-XO22-12,22
	Cuspid with Hook	-3°	5°	BJB-XO18-13H,23H	BJB-XO22-13H,23H
	1 st Bicuspid without Hook	-7°	0°	BJB-XO18-14,24	BJB-XO22-14,24
	2 nd Bicuspid without Hook	-7°	0°	BJB-XO18-15,25	BJB-XO22-15,25
Mandibular	Anteriors	-6°	0°	BJB-XO18-3412	BJB-XO22-3412
	Cuspid with Hook	-3°	3°	BJB-XO18-33H,43H	BJB-XO22-33H,43H
	1 st Bicuspid without Hook	-12°	0°	BJB-XO18-34,44	BJB-XO22-34,44
	2 nd Bicuspid without Hook	-17°	0°	BJB-XO18-35,45	BJB-XO22-35,45
Patient Kit	3X3			BJB-XO18-300	BJB-XO22-300
	5X5			BJB-XO18-500	BJB-XO22-500



- ▶ Mini Size & Low Profile
- ▶ Easy Lock Base로 Bonding 및 Debonding 시, 치아의 법랑질을 안전하게 보호
- ▶ 투광성 재료를 사용하여 Bracket의 심미성이 우수하며 Metal Slot이 없어, 심미성 극대화
- ▶ 내구성을 강화하여 세라믹의 단점인 파절성 개선

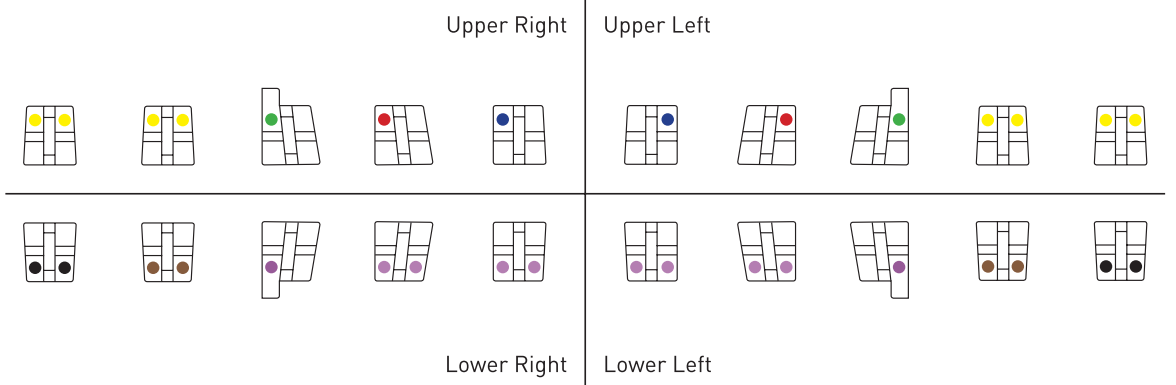
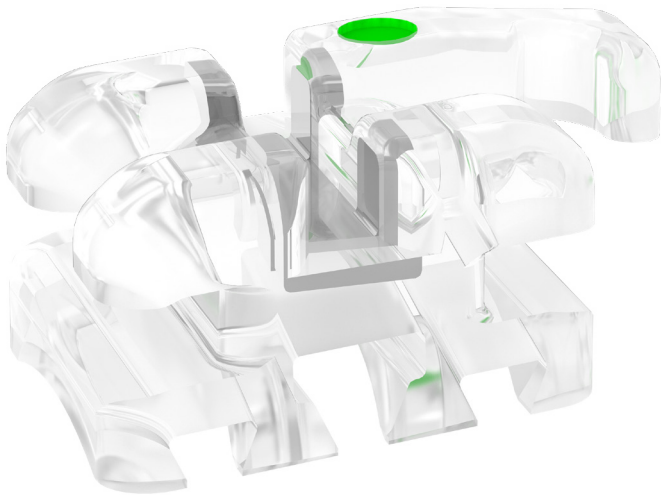


ROTH .018 / .022

	Tooth	Torque	Ang	.018 slot	.022 slot
Maxillary	Central	12°	5°	B1-R18-11,21	B1-R22-11,21
	Lateral	8°	9°	B1-R18-12,22	B1-R22-12,22
	Cuspid with Hook	-2°	11°	B1-R18-13H,23H	B1-R22-13H,23H
	1 st Bicuspid with Hook	-7°	0°	B1-R18-14H,24H	B1-R22-14H,24H
	2 nd Bicuspid with Hook	-7°	0°	B1-R18-15H,25H	B1-R22-15H,25H
Mandibular	Anteriors	-1°	0°	B1-R18-3412	B1-R22-3412
	Cuspid with Hook	-11°	7°	B1-R18-33H,43H	B1-R22-33H,43H
	1 st Bicuspid with Hook	-17°	0°	B1-R18-34H,44H	B1-R22-34H,44H
	2 nd Bicuspid with Hook	-22°	0°	B1-R18-35H,45H	B1-R22-35H,45H
Patient Kit	3X3			B1-R18-300	B1-R22-300
	5X5			B1-R18-500(H)	B1-R22-500(H)

MBT .022

	Tooth	Torque	Ang	.022 slot
Maxillary	Central	17°	4°	B1-M22-11,21
	Lateral	10°	8°	B1-M22-12,22
	Cuspid with Hook	0°	8°	B1-M22-13H,23H
	1 st Bicuspid with Hook	-7°	0°	B1-M22-14H,24H
	2 nd Bicuspid with Hook	-7°	0°	B1-M22-15H,25H
Mandibular	Anteriors	-6°	0°	B1-M22-3412
	Cuspid with Hook	0°	3°	B1-M22-33H,43H
	1 st Bicuspid with Hook	-12°	2°	B1-M22-34H,44H
	2 nd Bicuspid with Hook	-17°	2°	B1-M22-35H,45H
Patient Kit	3X3			B1-M22-300
	5X5			B1-M22-500(H)



- ▶ “Mushroom” 형태의 Mechanical Base로 강력한 Bonding력 구현
- ▶ 각 치아의 Surface에 맞는 Bracket Base 설계
- ▶ Round한 Wing의 Design으로 이물감 최소화
- ▶ 변색과 마모에 강한 Medical Material
- ▶ Slot 끝의 Rounding 처리로 Wire binding 현상감소

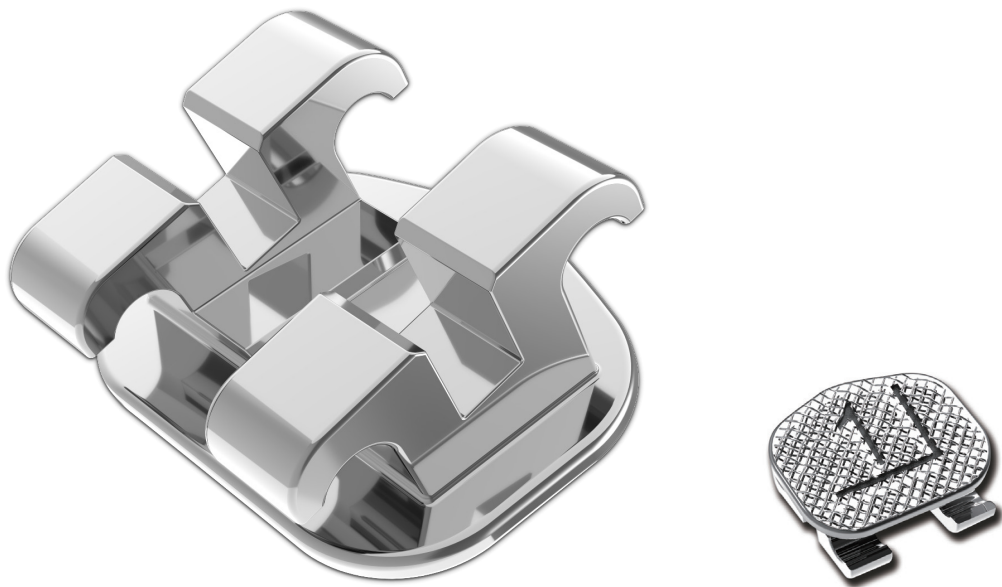


ROTH .018 / .022

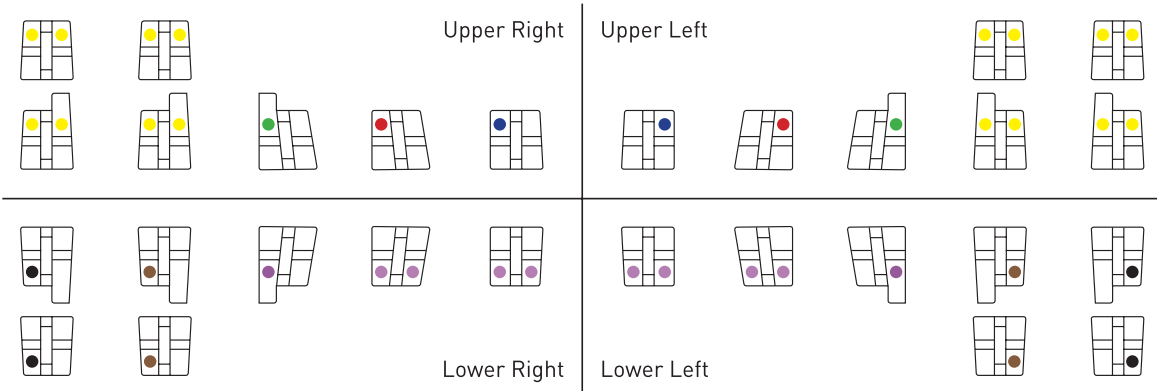
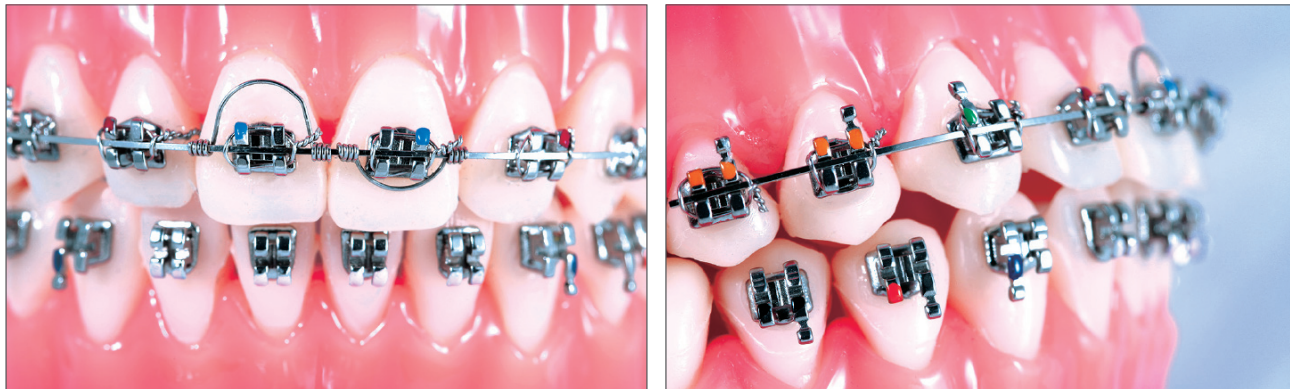
	Tooth	Torque	Ang	.018 slot	.022 slot
Maxillary	Central	12°	5°	R-R18-11,21	R-R22-11,21
	Lateral	8°	9°	R-R18-12,22	R-R22-12,22
	Cuspid with Hook	-2°	11°	R-R18-13H,23H	R-R22-13H,23H
	1 st Bicuspid without Hook	-7°	0°	R-R18-14,24	R-R22-14,24
	2 nd Bicuspid without Hook	-7°	0°	R-R18-15,25	R-R22-15,25
Mandibular	Anteriors	0°	0°	R-R18-3412	R-R22-3412
	Cuspid with Hook	-11°	7°	R-R18-33H,43H	R-R22-33H,43H
	1 st Bicuspid without Hook	-17°	0°	R-R18-344	R-R22-344
	2 nd Bicuspid without Hook	-22°	0°	R-R18-345	R-R22-345
Patient Kit	3X3			R-R18-300	R-R22-300
	5X5			R-R18-500(H)	R-R22-500(H)

MBT .022

	Tooth	Torque	Ang	.022 slot
Maxillary	Central	17°	4°	R-M22-11,21
	Lateral	10°	8°	R-M22-12,22
	Cuspid with Hook	0°	8°	R-M22-13H,23H
	1 st Bicuspid without Hook	-7°	0°	R-M22-14,24
	2 nd Bicuspid without Hook	-7°	0°	R-M22-15,25
Mandibular	Anteriors	-6°	0°	R-M22-3412
	Cuspid with Hook	0°	3°	R-M22-33H,43H
	1 st Bicuspid without Hook	-12°	2°	R-M22-34,44
	2 nd Bicuspid without Hook	-17°	2°	R-M22-35,45
Patient Kit	3X3			R-M22-300
	5X5			R-M22-500(H)



- ▶ Round한 Wing의 Design으로 이물감 최소화
- ▶ Mini Size의 Low Profile
- ▶ CNC가공으로 Slot의 정확성 우수
- ▶ Base에 Laser Marking으로 부위구분 용이



ROTH .018 / .022

	Tooth	Torque	Ang	.018 slot	.022 slot
Maxillary	Central	12°	5°	M-R18-11,21	M-R22-11,21
	Lateral	8°	9°	M-R18-12,22	M-R22-12,22
	Cuspid with Hook	-2°	11°	M-R18-13H,23H	M-R22-13H,23H
	1 st Bicuspid with Hook	-7°	0°	M-R18-14H,24H	M-R22-14H,24H
	1 st Bicuspid without Hook	-7°	0°	M-R18-14,24	M-R22-14,24
	2 nd Bicuspid with Hook	-7°	0°	M-R18-15H,25H	M-R22-15H,25H
	2 nd Bicuspid without Hook	-7°	0°	M-R18-15,25	M-R22-15,25
Mandibular	Anteriors	-1°	0°	M-R18-3412	M-R22-3412
	Cuspid with Hook	-11°	5°	M-R18-33H,43H	M-R22-33H,43H
	1 st Bicuspid with Hook	-17°	0°	M-R18-34H,44H	M-R22-34H,44H
	1 st Bicuspid without Hook	-17°	0°	M-R18-34,44	M-R22-34,44
	2 nd Bicuspid with Hook	-22°	0°	M-R18-35H,45H	M-R22-35H,45H
	2 nd Bicuspid without Hook	-22°	0°	M-R18-35,45	M-R22-35,45
Patient Kit	3X3			M-R18-300	M-R22-300
	5X5			M-R18-500(H)	M-R22-500(H)

MBT .018 / .022

	Tooth	Torque	Ang	.018 slot	.022 slot
Maxillary	Central	17°	4°	M-M18-11,21	M-M22-11,21
	Lateral	10°	8°	M-M18-12,22	M-M22-12,22
	Cuspid with Hook	0°	8°	M-M18-13H,23H	M-M22-13H,23H
	1 st Bicuspid with Hook	-7°	0°	M-M18-14H,24H	M-M22-14H,24H
	1 st Bicuspid without Hook	-7°	0°	M-M18-14,24	M-M22-14,24
	2 nd Bicuspid with Hook	-7°	0°	M-M18-15H,25H	M-M22-15H,25H
	2 nd Bicuspid without Hook	-7°	0°	M-M18-15,25	M-M22-15,25
Mandibular	Anteriors	-6°	0°	M-M18-3412	M-M18-3412
	Cuspid with Hook	0°	3°	M-M18-33H,43H	M-M22-33H,43H
	1 st Bicuspid with Hook	-12°	2°	M-M18-34H,44H	M-M22-34H,44H
	1 st Bicuspid without Hook	-12°	2°	M-M18-34,44	M-M22-34,44
	2 nd Bicuspid with Hook	-17°	2°	M-M18-35H,45H	M-M22-35H,45H
	2 nd Bicuspid without Hook	-17°	2°	M-M18-35,45	M-M22-35,45
Patient Kit	3X3			M-M18-300	M-M22-300
	5X5			M-M18-500(H)	M-M22-500(H)

BUCCAL TUBE

Weldable



Single #6 #7

ROTH .018 / .022

	Tooth	Torque	Offset	.018 slot	.022 slot
Maxillary	1 st Molars	-14°	10°	62B1-11B-16,26	62B1-21B-16,26
	2 nd Molars	-14°	10°	62B2-10B-17,27	62B2-20B-17,27
Mandibular	1 st Molars	-25°	4°	62B1-11B-36,46	62B1-21B-36,46
	2 nd Molars	-25°	4°	62B2-10B-37,47	62B2-20B-37,47

MBT .022

	Tooth	Torque	Offset	.022 slot
Maxillary	1 st Molars	-14°	10°	63B1-21B-16,26
	2 nd Molars	-14°	10°	63B2-20B-17,27
Mandibular	1 st Molars	-20°	0°	63B1-21B-36,46
	2 nd Molars	-20°	0°	63B2-20B-37,47



Twin

ROTH .018 / .022

	Tooth	Torque	Offset	.018 slot	.022 slot
Maxillary	1 st Molars	-14°	10°	62D1-11B-16,26	62D1-21B-16,26
Mandibular	1 st Molars	-25°	4°	62D1-11B-36,46	62D1-21B-36,46

MBT .022

	Tooth	Torque	Offset	.022 slot
Maxillary	1 st Molars	-14°	10°	63D1-21B-16,26
Mandibular	1 st Molars	-20°	0°	63D1-21B-36,46



Triple

ROTH .018 / .022

	Tooth	Torque	Offset	.018 slot	.022 slot
Maxillary	1 st Molars	-14°	10°	62E1-11B-16,26	62E1-21B-16,26

MBT .022

	Tooth	Torque	Offset	.022 slot
Maxillary	1 st Molars	-14°	10°	63E1-21B-16,26

A1 BUCCAL TUBE

Made in Korea Bondable



ROTH .018 / .022

	Tooth	Torque	Offset	.018 slot	.022 slot
Maxillary	1 st Molars	-14°	10°	R18BS-16,26	R22BS-16,26
	2 nd Molars	-14°	10°	R18BS-17,27	R22BS-17,27
Mandibular	1 st Molars	-25°	4°	R18BS-36,46	R22BS-36,46
	2 nd Molars	-25°	4°	R18BS-37,47	R22BS-37,47

MBT .022

	Tooth	Torque	Offset	.022 slot
Mandibular	1 st Molars	-20°	0°	M22BS-36,46
	2 nd Molars	-20°	0°	M22BS-37,47

LP BUCCAL TUBE

Bondable



ROTH .022

	Tooth	Torque	Offset	.022 slot
Maxillary	1 st Molars	-14°	10°	62B7-21B-16,26
	2 nd Molars	-14°	10°	62B8-20B-17,27
Mandibular	1 st Molars	-25°	4°	62B7-21B-36,46
	2 nd Molars	-25°	4°	62B8-20B-37,47

MBT .022

	Tooth	Torque	Offset	.022 slot
Maxillary	1 st Molars	-14°	10°	63B7-21B-16,26
	2 nd Molars	-14°	10°	63B8-20B-17,27
Mandibular	1 st Molars	-20°	0°	63B7-21B-36,46
	2 nd Molars	-20°	0°	63B8-20B-37,47

MINI BUCCAL TUBE

Bondable

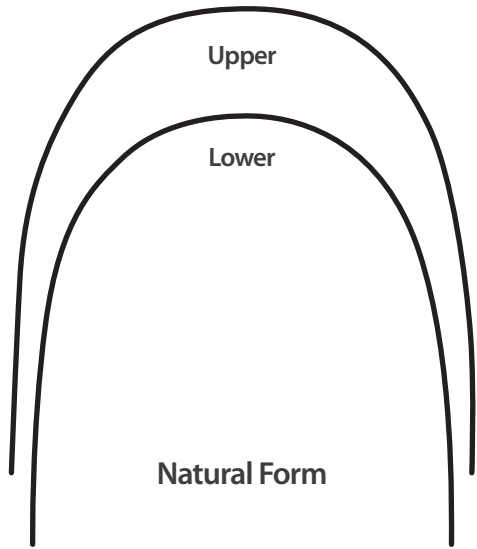


ROTH .022 (Single)

	Tooth	Torque	Offset	.022 slot
Maxillary	1 st Molars	-14°	10°	62B5-21B-16,26
	2 nd Molars	-14°	10°	62B6-20B-17,27
Mandibular	1 st Molars	-25°	4°	62B5-21B-36,46
	2 nd Molars	-25°	4°	62B6-20B-37,47

ROTH .022 (Twin)

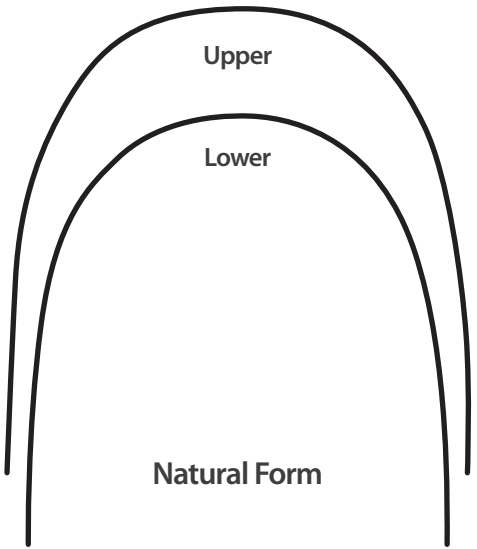
	Tooth	Torque	Offset	.022 slot
Maxillary	1 st Molars	-14°	10°	62D5-11B-16,26
Mandibular	1 st Molars	-25°	4°	62D5-11B-36,46



SMART NI-TI Super Elastic

- 초탄성(Super Elastics) Wire로 최고의 복원력 구현
- 굽힘테스트, 인장강도테스트, 변태온도측정 등 수많은 테스트를 거쳐 만들어진 고품질의 Ni-Ti Wire
- 교정에서 가장 널리 사용되는 "Natural Form"으로 제작

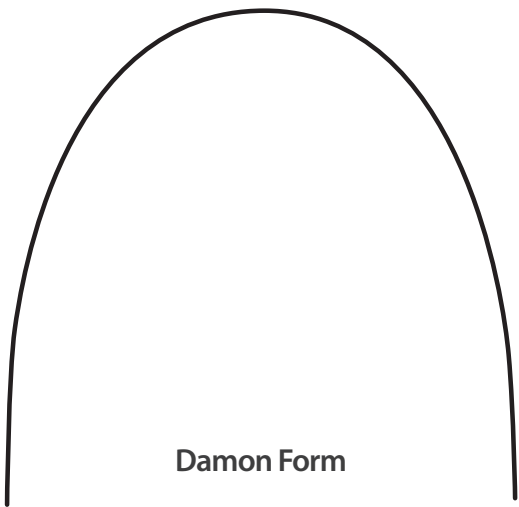
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010	NT010U / NT010L	016X016	NT016016U / NT016016L
012	NT012U / NT012L	016X022	NT016022U / NT016022L
014	NT014U / NT014L	017X025	NT017025U / NT017025L
016	NT016U / NT016L	018X025	NT018025U / NT018025L
018	NT018U / NT018L	019X025	NT019025U / NT019025L
020	NT020U / NT020L	021X025	NT021025U / NT021025L



SMART COPPER NI-TI

- 구리와 니켈 티타늄의 합금으로 만들어진 Wire
- 35℃에 형상기억반응이 나타나, 교정력이 발현
- 일정한 힘과 부드러운 지속성으로 효율적인 치아이동 구현

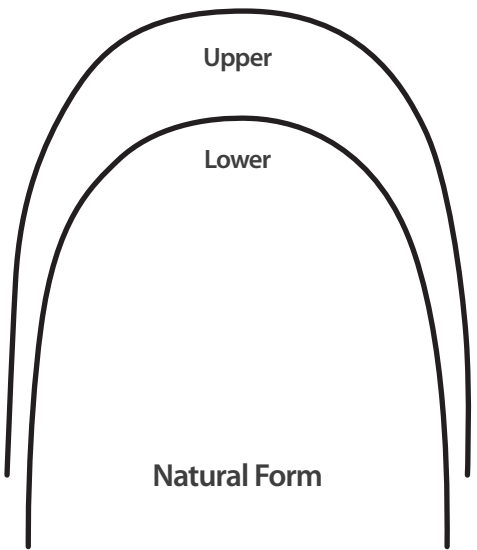
Size	Part Numbers	Size	Part Numbers
012	CNT012U / CNT012L	016X022	CNT016022U / CNT016022L
014	CNT014U / CNT014L	017X025	CNT017025U / CNT017025L
016	CNT016U / CNT016L	018X025	CNT018025U / CNT018025L
018	CNT018U / CNT018L	019X025	CNT019025U / CNT019025L



SMART DAMON COPPER NI-TI

- Self-ligating Bracket을 위한 완벽한 archwire sequence
- 구리와 니켈 티타늄의 합금으로 만들어진 Wire
- 35℃에 형상기억반응이 나타나, 교정력이 발현
- 일정한 힘과 부드러운 지속성으로 효율적인 치아이동 구현

Size	Part Numbers	Size	Part Numbers
013	NT013D	014X025	CNT014025D
014	NT014D	016X025	CNT016025D
016	NT016D	018X025	CNT018025D
018	NT018D		



SMART STAINLESS STEEL

- 매끄러운 표면으로 마찰력 최소화
- 정확한 치수와 형태로 정밀한 토크제어 제공
- 최상의 Stainless Steel 사용으로 최고의 품질과 견고한 성능

Size	Part Numbers	Size	Part Numbers
014	SS014U / SS014L	016X022	SS016022U / SS016022L
016	SS016U / SS016L	017X025	SS017025U / SS017025L
018	SS018U / SS018L	018X025	SS018025U / SS018025L
020	SS020U / SS020L	019X025	SS019025U / SS019025L
		021X025	SS021025U / SS021025L



ABOUT US:

Acme Monaco was founded as Acme Spring, Incorporated in 1947. Founder, Harold Davies was tasked with developing a miniature ring for the New Departure Division of General Motors. In the 1950's and 1960's Acme expanded with miniature bearing ring enclosures as its industry flourished with advances in U.S. technologies of aeronautics, defense, motion controls and rapid advances in small machinery.

The business was purchased by John and Helen Karabin in 1965. At that time, there were 13 employees. They were later joined by their two sons Michael and Roger Karabin. Their combined backgrounds, Michael in Accounting and Roger in Engineering, complimented each other well as they succeeded their father John who passed away in 1983 as President and Executive Vice President. Currently, Michael Karabin is CEO/COB. Roger Karabin retired as President on January 1, 2008 and was succeeded by Thomas Sebastian who became President until his retirement in 2016. Currently Rebecca Karabin-Ahern and Lucas Karabin hold the position of Co-President.



Preformed Ligature Wire

Ø	1000EA / PK
inch	
.009	AMC9LIG
.010	AMC10LIG

Ligature Wire Short Twisted

Ø	1000EA / PK
inch	
.010	AMC10ANGLIG1000T

Kobayashi Wire Long

Ø	100EA / PK
inch	
.012	AMC12LKOBY
.014	AMC14LKOBY

Kobayashi Wire Short

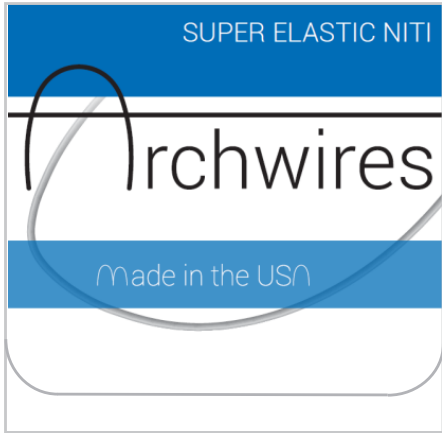
Ø	100EA / PK
inch	
.012	AMC12SKOBY100T
.014	AMC14SKOBY100T

SS Coil Spring Spools

	Ø	1EA / PK
	inch	
Open	.010x.030	AMC10X30X36
Closed	.010x.030	AMC10X30X36C

Ni-Ti Open Coil Spring Spools

	Ø	1EA / PK
	inch	
Open	.010x.030	AMC103021OPN
Open	.012x.030	AMC123021OPN



NI-TI Super Elastic

- 초탄성(Super Elastics) Wire로 최고의 복원력 구현
- 굽힘테스트, 인장강도테스트, 변태온도측정 등 수많은 테스트를 거쳐 만들어진 고품질의 Ni-Ti Wire

Size	Part Numbers	Size	Part Numbers
012	AMC12UMNITI10E / AMC12LMNITI10E	014X025	AMC1425UMNITI10E / AMC1425LMNITI10E
014	AMC14UMNITI10E / AMC14LMNITI10E	016X016	AMC1616UMNITI10E / AMC1616LMNITI10E
016	AMC16UMNITI10E / AMC16LMNITI10E	016X022	AMC1622UMNITI10E / AMC1622LMNITI10E
018	AMC18UMNITI10E / AMC18LMNITI10E	017X025	AMC1725UMNITI10E / AMC1725LMNITI10E
020	AMC20UMNITI10E / AMC20LMNITI10E	018X025	AMC1825UMNITI10E / AMC1825LMNITI10E
		019X025	AMC1925UMNITI10E / AMC1925LMNITI10E
		021X025	AMC2125UMNITI10E / AMC2125LMNITI10E



COPPER NI-TI

- 구리와 니켈 티타늄의 합금으로 만들어진 Wire
- 35°C에 형상기억반응이 나타나, 교정력이 발현
- 일정한 힘과 부드러운 지속성으로 효율적인 치아이동 구현

Size	Part Numbers	Size	Part Numbers
014	AMC14UNMCUN3510E / AMC14LNMUN3510E	016X022	AMC1622UNMCUN3510E / AMC1622LNMUN3510E
016	AMC16UNMCUN3510E / AMC16LNMUN3510E	017X025	AMC1725UNMCUN3510E / AMC1725LNMUN3510E
018	AMC18UNMCUN3510E / AMC18LNMUN3510E	018X025	AMC1825UNMCUN3510E / AMC1825LNMUN3510E
		019X025	AMC1925UNMCUN3510E / AMC1925LNMUN3510E

REVERSE CURVE NI-TI

- 매끄러운 표면으로 마찰력 최소화
- Bite Modification을 얻기 위한 Arch Form 모양을 잘 유지하며 뛰어난 저항력

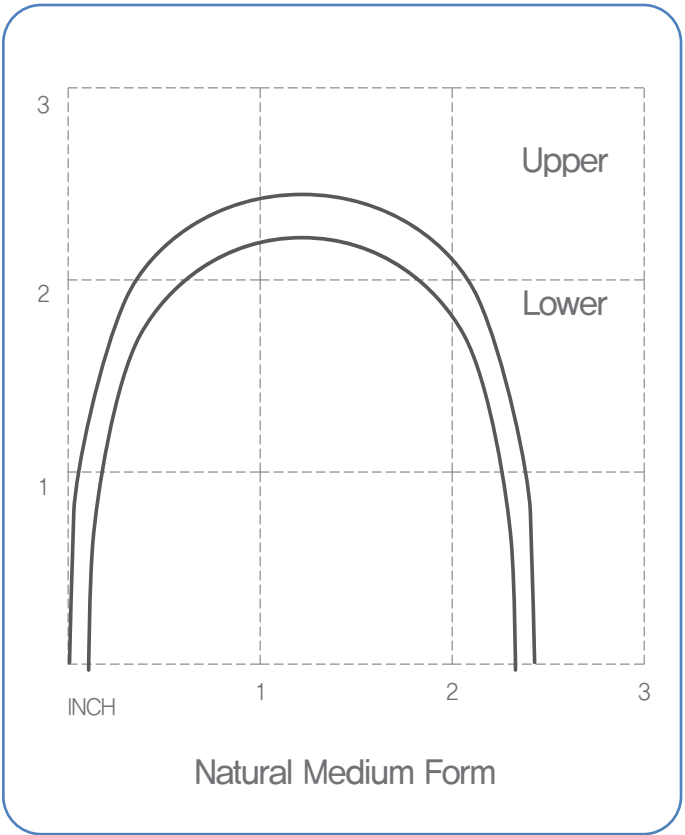
Size	Part Numbers	Size	Part Numbers
014	AMC14RCUL10E / AMC14RCLL10E	016X016	AMC1616RCUL10E / AMC1616RCLL10E
016	AMC16RCUL10E / AMC16RCLL10E	016X022	AMC1622RCUL10E / AMC1622RCLL10E
018	AMC18RCUL10E / AMC18RCLL10E	017X025	AMC1725RCUL10E / AMC1725RCLL10E
		018X025	AMC1825RCUL10E / AMC1825RCLL10E
		019X025	AMC1925RCUL10E / AMC1925RCLL10E



STAINLESS STEEL

- 매끄러운 표면으로 마찰력 최소화
- 정확한 치수와 형태로 정밀한 토크제어 제공
- 최상의 Stainless Steel 사용으로, 최고의 품질과 견고한 성능

Size	Part Numbers	Size	Part Numbers
014	AMC14UMNAT25E / AMC14LMNAT25E	016X016	AMC1616UMNAT25E / AMC1616LMNAT25E
016	AMC16UMNAT25E / AMC16LMNAT25E	016X022	AMC1622UMNAT25E / AMC1622LMNAT25E
018	AMC18UMNAT25E / AMC18LMNAT25E	017X025	AMC1725UMNAT25E / AMC1725LMNAT25E
020	AMC20UMNAT25E / AMC20LMNAT25E	018X025	AMC1825UMNAT25E / AMC1825LMNAT25E
		019X025	AMC1925UMNAT25E / AMC1925LMNAT25E
		021X025	AMC2125UMNAT25E / AMC20125LMNAT25E



Twist Wire (3가닥)



Straight Wire Size(10EA/1PKG)

Size	Part Numbers
.0155	AMC151X31410T
.0175	AMC1751X31410T
.0195	AMC1951X31410T

Coaxial Wire (6가닥)



Straight Wire Size(10EA/1PKG)

Size	Part Numbers
.0155	AMC155 COAX1410T
.0175	AMC175 COAX1410T
.0195	AMC195 COAX1410T
.0215	AMC215 COAX1410T

Retainer Wire

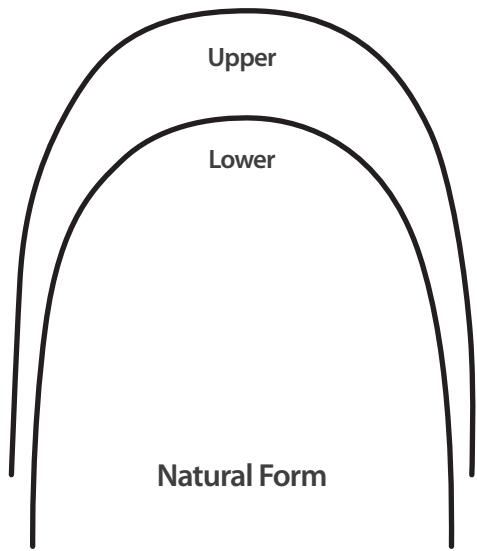


Roll Wire Size(1EA/1PKG)

Size	Part Numbers
.010X.029	AMC-FLX-60

O.S.T ARCH WIRE

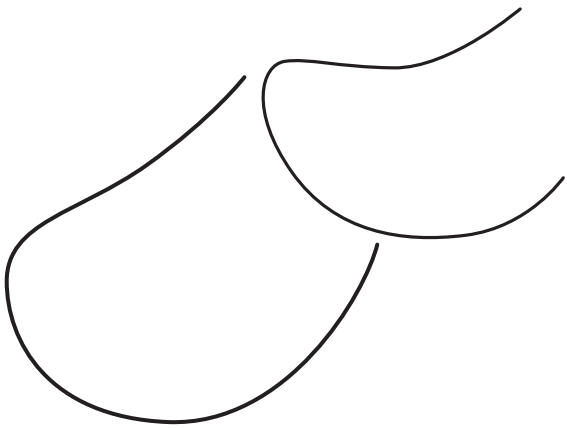
Made in China



O.S.T NI-TI Super Elastic

- 초탄성(Super Elastics) Wire로 최고의 복원력 구현
- 굽힘테스트, 인장강도테스트, 변태온도측정 등 수많은 테스트를 거쳐 만들어진 고품질의 Ni-Ti Wire
- 교정에서 가장 널리 사용되는 "Natural Form"으로 제작

Size	Part Numbers	Size	Part Numbers
012	CY012U / CY012L	016X016	CF016016U / CF016016L
014	CY014U / CY014L	016X022	CF016022U / CF016022L
016	CY016U / CY016L	017X025	CF017025U / CF017025L
018	CY018U / CY018L	018X025	CF018025U / CF018025L
020	CY020U / CY020L	019X025	CF019025U / CF019025L
		021X025	CF021025U / CF021025L



O.S.T REVERSE CURVE NI-TI

- 매끄러운 표면으로 마찰력 최소화
- Bite Modification을 얻기 위한 Arch Form 모양을 잘 유지하며 뛰어난 저항력

Size	Part Numbers	Size	Part Numbers
014	RC014U / RC014L	016X022	RC016022U / RC016022L
016	RC016U / RC016L	017X025	RC017025U / RC017025L
018	RC018U / RC018L	018X025	RC018025U / RC018025L
020	RC020U / RC020L	019X025	RC019025U / RC019025L
		021X025	RC021025U / RC021025L

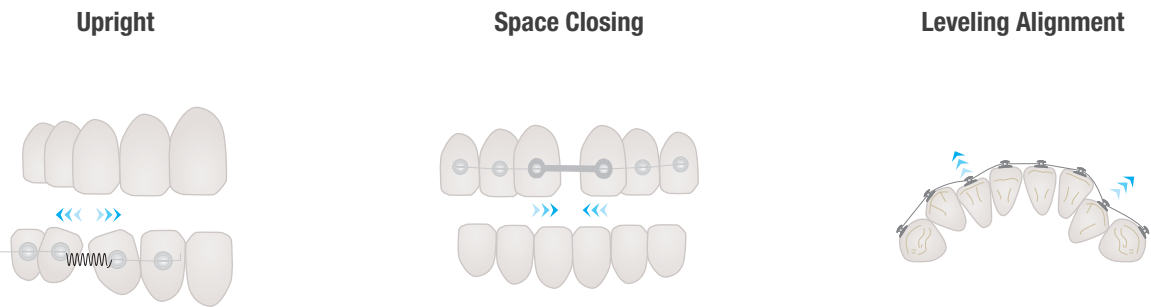
MULTI BUTTONS

Minor Tooth Movement

Circle Type EMB-C100
Belt Type EMB-B100
(20EA in 1 Package)



- ▶ 교정초기에 간단히 Leveling에 용이
- ▶ 레진 버튼에 최적화된 Hole Base로 본딩력 극대화
- ▶ 버튼의 Neck부분에 Slot이 있어, Wire 삽입 가능 (018Inch)
- ▶ 일반적인 버튼으로도 사용 가능
- ▶ 20EA in 1Package
- ▶ Circle / Belt Type

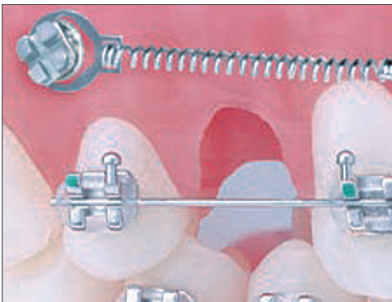


Torquing Spring



	Central Gingival	Anterior	Central Occlusal
	Large	Medium	Small
016X022	9108-C03	9108-B03	9108-A03
	Large	Medium	Small
019X025	9108-323	9108-223	9108-123

Ni-Ti Closed Coil Spring



	Size	Force	
Ni-Ti Closed Coil Spring	6mm	Heavy Force	9102-206
	9mm	Medium Force	9102-209
	12mm	Light Force	9102-212

Crimpable Hook

Ball Top 2.7mm
9120-227
10EA/1PKG



Crimpable Hook

Ball Top 4mm
9120-240
10EA/1PKG



Crimpable Hook

T Top 2.7mm
9121-227
10EA/1PKG



Crimpable Hook

T Top 4mm
9121-240
10EA/1PKG



Crimpable Hook

7mm
9122-270L [Left]
9122-270R [Right]
10EA/1PKG



Crimpable Stop

9123-201
10EA/1PKG



DBS Metal Button

9131-202
10EA/1PKG



Weldable Button

9130-102
10EA/1PKG



Button with Hook

9136-216[Left]
9136-217[Right]
10EA/1PKG



Lingual Ring

C15-11
10EA/1PKG



Lingual Sheath

9133-105
10EA/1PKG



ELASTIC

INTRAORAL

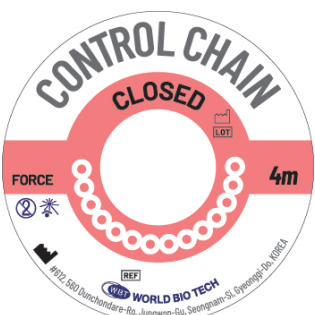
- ▶ 독자적인 제조 공정으로 활석을 많이 사용하지 않습니다
- ▶ WBT 엘라스틱은 완벽하게 형성되고 정확하게 절단되어 일관된 힘 수준을 보장합니다
- ▶ 최고급 의료용 라텍스만이 구강 내 엘라스틱 제조 표준을 충족합니다



	1/8(3.2mm)	3/16(4.8mm)	1/4(6.4mm)	5/16(7.9mm)	3/8(9.5mm)
3.5oz	ELASTICS  -Apple- Order No. 760-02 • Size 1/8" 3.5oz 100PCS/PKG WORLD BIO TECH Apple 760-02	ELASTICS  -Cacao- Order No. 770-02 • Size 3/16" 3.5oz 100PCS/PKG WORLD BIO TECH Cacao 770-02	ELASTICS  -Lime- Order No. 780-02 • Size 1/4" 3.5oz 100PCS/PKG WORLD BIO TECH Lime 780-02	ELASTICS  -Melon- Order No. 790-02 • Size 5/16" 3.5oz 100PCS/PKG WORLD BIO TECH Melon 790-02	ELASTICS  -Plum- Order No. 800-02 • Size 3/8" 3.5oz 100PCS/PKG WORLD BIO TECH Plum 800-02
4.5oz	ELASTICS  -Avocado- Order No. 760-03 • Size 1/8" 4.5oz 100PCS/PKG WORLD BIO TECH Avocado 760-03	ELASTICS  -Cherry- Order No. 770-03 • Size 3/16" 4.5oz 100PCS/PKG WORLD BIO TECH Cherry 770-03	ELASTICS  -Lemon- Order No. 780-03 • Size 1/4" 4.5oz 100PCS/PKG WORLD BIO TECH Lemon 780-03	ELASTICS  -Mandarin- Order No. 790-03 • Size 5/16" 4.5oz 100PCS/PKG WORLD BIO TECH Mandarin 790-03	ELASTICS  -Papaya- Order No. 800-03 • Size 3/8" 4.5oz 100PCS/PKG WORLD BIO TECH Papaya 800-03
6oz	ELASTICS  -Applemango- Order No. 760-04 • Size 1/8" 6oz 100PCS/PKG WORLD BIO TECH Applemango 760-04	ELASTICS  -Coconut- Order No. 770-04 • Size 3/16" 6oz 100PCS/PKG WORLD BIO TECH Coconut 770-04	ELASTICS  -Litchi- Order No. 780-04 • Size 1/4" 6oz 100PCS/PKG WORLD BIO TECH Litchi 780-04	ELASTICS  -Mangosteen- Order No. 790-04 • Size 5/16" 6oz 100PCS/PKG WORLD BIO TECH Mangosteen 790-04	ELASTICS  -Pineapple- Order No. 800-04 • Size 3/8" 6oz 100PCS/PKG WORLD BIO TECH Pineapple 800-04

ELASTOMERIC

Control Chain



4m

Force / Color	Medium Clear	Light Clear	Medium Grey
Closed	910-01	900-01	930-01
Open	910-02		

Power Chain

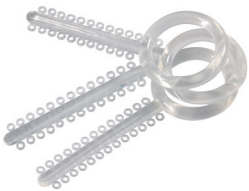


5m

Clear		Silver-Grey	
Closed	730-27	Closed	730-06
Short	740-27	Short	740-06
Long	750-27	Long	750-06

Ligature O-Ring

Grey [700-06]
Clear [700-27]
1040 EA/PKG



Separation Ring

1050 EA/PKG
[810-01]



Elastic Tubing

Clear 027 Inch
[600-32]
3m



Elastic Thread

025 Inch 7.6m [600-30]
030 Inch 7.6m [600-31]





- ▶ Laser Marking으로 Size 식별 용이
- ▶ Locking Tapered type으로 되어있어 Handpiece와의 결찰 및 분리 용이
- ▶ Blade에 일정한 간격의 타공으로 인한 Blade의 끊김 현상 감소 및 Stripping 시 원활한 이물질의 배출효과
- ▶ Blade와 Body 접합부의 견고함으로 끊어짐 현상 없이 사용기간이 연장되는 효과

Double Sided

- 15 Micron 15HD
- 25 Micron 25HD
- 40 Micron 40HD
- 60 Micron 60HD
- 90 Micron 90HD



Single Sided

- 15 Micron Right & Left 15HR/HL
- 25 Micron Right & Left 25HR/HL
- 40 Micron Right & Left 40HR/HL
- 60 Micron Right & Left 60HR/HL
- 90 Micron Right & Left 90HR/HL



IPR Strip for Clear Aligning

- 0.1mm T0.1
- 0.2mm T0.2
- 0.3mm T0.3
- 0.4mm T0.4



For Polishing

- 8 Micron 8HD



Saw Type

For Starter



Space Gauge

P-152

- 0.10mm
- 0.15mm
- 0.20mm
- 0.25mm
- 0.30mm
- 0.40mm
- 0.50mm



Manual Handle

For Hand Stripping
Straight & Angled

P-153



PD™ STEEL ABRASIVE STRIPS

High Quality Finishing & Polishing



Width	단면	양면
4mm (Fine)	46021	46121
4mm (Medium)	46022	46122
4mm (Coarse)	46023	46123



MFU Type



Diameter	Length	Part Numbers
1.4mm	6mm	MFU14-06
	8mm	MFU14-08
	10mm	MFU14-10
1.6mm	6mm	MFU16-06
	8mm	MFU16-08
	10mm	MFU16-10
1.8mm	6mm	MFU18-06
	8mm	MFU18-08
	10mm	MFU18-10

MFW Type



Diameter	Length	Part Numbers
1.4mm	6mm	MFW14-06
	8mm	MFW14-08
	10mm	MFW14-10
1.6mm	6mm	MFW16-06
	8mm	MFW16-08
	10mm	MFW16-10

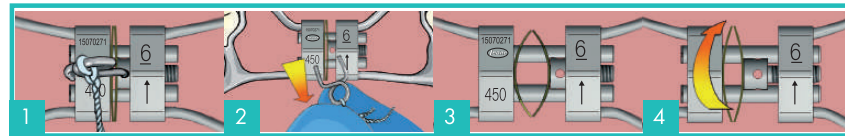
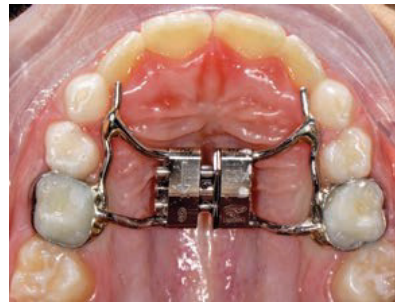
- ▶ Hexagon Head Type
- ▶ Wire up to 020
- ▶ Cutting Edge로 식립 시 스크류에 받는 하중감소
- ▶ 나사선이 Self Drill과 Self Tap의 구조로 되어 있어 식립이 쉬우며 초기 고정력 우수
- ▶ Chain, O-Ring, Elastic 등의 결찰용이



SEMI AUTO EXPANDER (반자동 악궁확장장치)

Body가 크지 않으며, 2개의 니켈 티타늄 MEMORIA 판 스프링이 장착되어 있어, 지속적인 일정한 힘으로 악궁 확장(환자의 통증감소)

450g(혼합치열용)과 900g(영구치열용)의 힘으로 나뉘지며, 각 6mm와 9mm 확장으로 나뉨



	11mm	4mm	arms	body	activation turns for maximum expansion limit
A2703-06 2 springs 450 g approx			1.5 mm	12 mm	6 mm
A2704-06 2 springs 900 g approx					0.4 mm
A2703-09 3 springs 450 g approx			1.5 mm	12 mm	9 mm
A2704-09 3 springs 900 g approx					0.4 mm

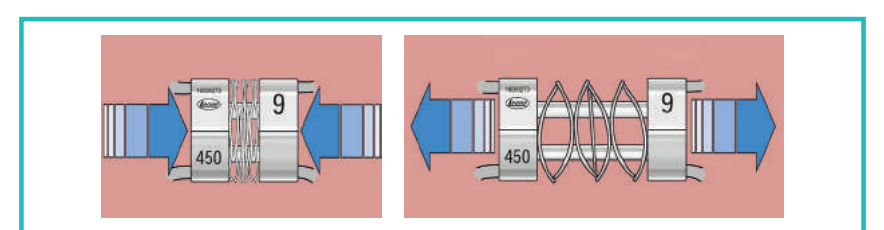
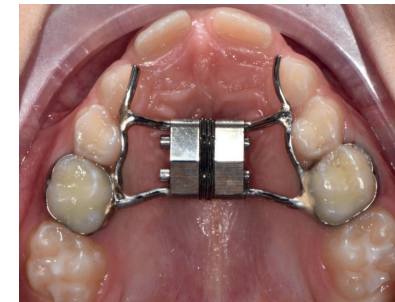
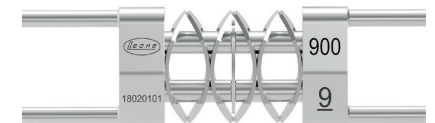
EXPANDER ACTIVATION GUIDELINES

LEAF model	LEAF expander cementation	FIRST phase	SECOND phase	THIRD phase
6mm A2703-06-A2704-06	spring activation - 0 turns	after 6 weeks 10 turns	after 4 weeks 10 turns	after 4 weeks 10 turns
9mm A2703-09-A2704-09	spring activation - 0 turns	after 8 weeks 15 turns	after 6 weeks 15 turns	after 6 weeks 15 turns

AUTOMATIC EXPANDER (자동 악궁확장장치)

Body가 크지 않으며, 니켈 티타늄 MEMORIA 판 스프링이 장착되어 있어, 지속적인 일정한 힘으로 악궁 확장(환자의 통증감소, 환자가 Key를 돌릴 필요 없음)

450g(혼합치열용)과 900g(영구치열용)의 힘으로 나뉘지며, 각 6mm와 9mm 확장으로 나뉨

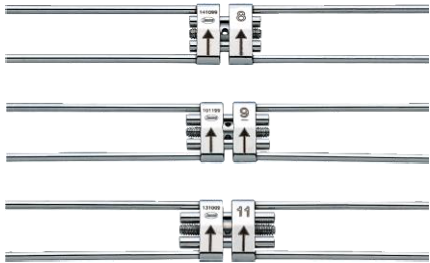


	11mm	4mm	arms	body
A2705-06 4 springs 450 g approx				
A2706-06 4 springs 900 g approx			1.5 mm	12 mm
A2705-09 6 springs 450 g approx				
A2706-09 6 springs 900 g approx			1.5 mm	12 mm

RAPID EXPANDER

세계에서 가장 많이 팔린 구개 확장기

확장기 한계, 방향 화살표 및 로트 번호는 확장기 본체의 표에 레이저로 에칭.
Body 내구성 탁월



A0620-08
~ 8 mm

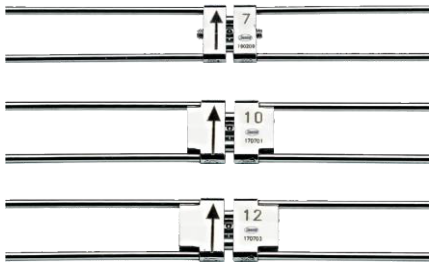
A0620-09
~ 9 mm

A0620-11
~ 11 mm

RAPID EXPANDER
WITH TELESCOPIC GUIDES

7mm의 경우 매우 좁은 구개 확장에 이상적 10, 12mm도 확장기의 전체 치수를 줄이기 위한 컴팩트한 디자인

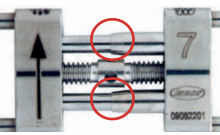
Telescopic Guide Pin의 강한 고정력으로 Back Turn 없이 우수한 유지력



A2620-07
~ 7 mm

A2620-10
~ 10 mm

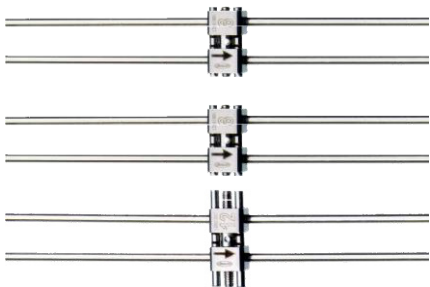
A2620-12
~ 12 mm



telescopic guide pins*
avoid the possibility of spontaneous
deactivation in the mouth

RAPID EXPANDER
WITH ORTHOGONAL ARMS

Body가 작게 설계된 Hyrax Screw로 좁은 Palatal에도 안착 용이



A0631-08
~ 8 mm

A0631-10
~ 10 mm

A0631-12
~ 12 mm



RAGNO FAN-TYPE RAPID EXPANDER

전방 확장에 특화된 Leone 특허 제품

A0625-07 7mm버전은 신제품으로 기존 A0625-09 9mm버전보다 25%정도 작게 디자인 되었으며, 구내에서 Key를 돌리기 용이하도록 나사를 높게 배치함



A0625-09
~ 9 mm



A0625-07
~ 7 mm

mini

EXPANDER
FOR LOWER ARCH

Low Arch용 Expander로 68mm의 긴 Arm 제공



A0623-08
~ 8 mm

A0623-11
~ 11 mm

MICRO EXPANDER
FOR PALATAL SUTURE

크기가 작게 디자인된 Expander로 상악골과 하악골에도 사용가능하게 멀티 디자인 됨



A0621-08
~ 8 mm

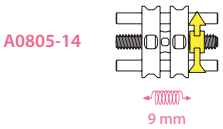
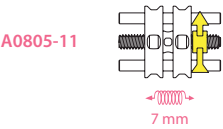
A0621-11
~ 11 mm

SCREWS

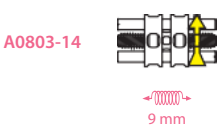
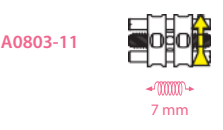
Made in Italy



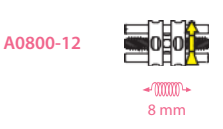
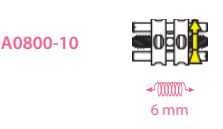
STANDARD SCREW FOR UPPER APPLIANCES



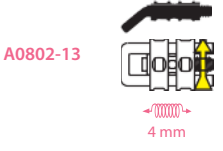
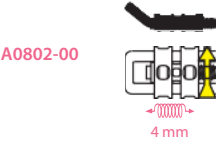
MEDIUM SCREW



UNIVERSAL SCREW



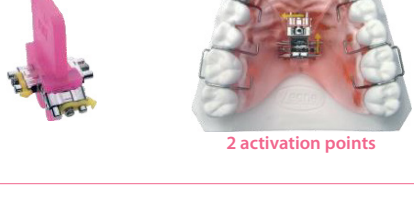
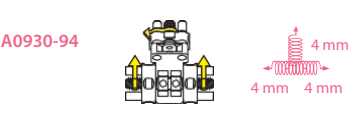
MICRO SECTIONAL SCREW WITH BENT U-SHAPED GUIDE PIN



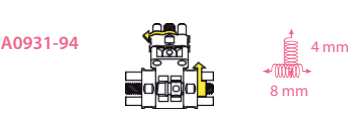
SUPER MICRO SECTIONAL SCREW



THREE DIRECTIONAL SCREW ANATOMICAL



THREE DIRECTIONAL SCREW ANATOMICAL



THREE DIRECTIONAL SCREW ANATOMICAL FOR LOWER ARCH



WIRES

Made in Italy



"AUSTRALIAN" WIRE SPOOLS

뛰어난 인장강도와 견고함으로 우수한 탄성력 발휘
비열처리(C0420-)와 열처리(C0430-) 두가지 타입이며
열처리(C0430-)의 경우 열처리 후 후가공으로 스테인리스 스틸의 색 유지

	비열처리 extra spring hard	열처리 super hard heat-treated
inch	2200/2400 N/mm ²	2500/2700 N/mm ²
.014	C0420-14	C0430-14
.016	C0420-16	C0430-16
.018	C0420-18	C0430-18
.020	C0420-20	C0430-20



BALL CLASP

mm	inch		pkg.
0.7	.028	AMC28SSBCLASP100B	100
0.8	.032	AMC32SS063BCLP100B	
0.9	.036	AMC36SS063BCLP100B	

EXTRAORAL PRODUCTS

High Pull Head Gear

M0805-20



High Pull Head Gear Module

M0810-01



High Pull Head Gear Face Bow

M4805-03(Size3), M4805-04(Size4), M4805-05(Size5)



Neck Pad Head Gear

M0800-00



Neck Pad Head Gear Module

M0810-03



Neck Pad Head Gear Face Bow

M4835-03(Size3), M4835-04(Size4), M4835-05(Size5)



CUTTERS



100T Hard Wire Cutter (15°)



100T-1 Pin & Ligature Cutter (5°)



101T Pin & Ligature Cutter



102T Distal End Cutter

UTILITY PLIERS



105T Weingart Utility Plier



106T Weingart Utility Plier



107 How Plier (Straight)



108 How Plier (Angled)

REMOVING PLIERS



125 Band Removing Plier
126 Band Removing Plier Tip



127 Bracket Removing Plier (Straight)



127-1 Ceramic Bracket Removing Plier



128 Bracket Removing Plier (Angled)

WIRE BENDING PLIERS



109 Bird Beak Plier



111 Tweed Loop Forming Plier



112 Tweed Arch Forming Plier (1.8mm)



113 Kim's Plier



114 Three Jaw Plier (020'')



116 Young Plier



118 Hollow Chop Plier



119 Dela Rosa Plier

WIRE BENDING PLIERS



120 Nance Loop Forming Plier



121 Lingual Arch Forming Plier



122 Torque Plier (Female)



123 Torque Plier (Male)



151 ligature Forming Plier



Step Plier
153 0.5mm/154 0.75mm
155 1.0 mm



162 Lingual Cinch Back Plier

OTHER PLIERS



134 Crimpable Hook Plier



135 Separating Plier



136 Mosquito (Straight)



143-1 Bracket Position Gauge



136-00 Bracket Tweezer



150 tube Tweezer



143 Bracket Height Gauge
(018'')



144 Bracket Height Gauge
(022'')



137 Needle Holder



137T Needle Holder - TC



139 O-Ring Plier (Hook Tip)



140 O-Ring Plier (O-Tip)



143-00 Band Pusher &
Scaler



144-00 Ligature Tucker



146 Band Pusher



172 Scissors (curved)

CLEAR ALIGNING PLIERS



174 Vertical Notch Forming Plier



175 Horizontal Notch Forming Plier



176 Tear Drip forming Plier



177 Half Hole Forming Plier



166 Multi Identification Forming Plier