



สรุป การใช้ Pre-torqued Brackets and Buccal tubes

Maxillary arch

Tooth No.	Degree		
Central	0°	Std. edgewise	ลด protrusion
	+7°	General Thai	
	-7°	Reverse position	ลด protrusion ลงอีก
	+14°	Original Alex.	Caucasian
	+14°	Class II, div. 2	Use with Caution
Lateral	0°	Std. edgewise	ลด protrusion
	+3°	General Thai	
	+7°	Original Alex.	Caucasian
Canine	0°	General Thai	
	-3°, +3°	Class II	To Free the mand.
1 st Premolar	-7°	Universal	
2 nd Premolar	-7°	Universal	
1 st Molar	-10°	Universal	Mostly not enough
	-15°, -20°	Additional	Progressive torque
2 nd Molar	0°	With or without tie-back loops	Additional Individual torque -25° -35° degree before engage 2 nd M.
2 nd Molar	-27°	Optional	Additional Individual torque as needed
Max. AW	When Activate AW for Expansion	Must Increase post. torque	

Max. AW	When Activate AW for Compression	Must Decrease post. torque	Or Detorque
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Mandibular arch

Tooth No.	Degree		
Central	-5°	Std. Alexander	
	+5°	Reverse position	Retroposition case
Lateral	-5°		
	+5°	Reverse position	Retroposition case
Canine	-7°	Std. Alexander	
	0°	uprighting	
1 st Premolar	-11°	Std. Alexander	
2 nd Premolar	-17°	Std. Alexander	
1 st Molar	-22°	Std. Alexander	
	-35°	Additional Progressive torque as needed in Class III	wide mand. Arch width case
2 nd Molar	0°	With or without tie-back loops	Additional Individual torque -25-35 degree before engage 2 nd M.
2 nd Molar	-30°	Optional	Additional Individual torque as needed
Mand. AW	When Activate for Expansion	Must Increase post. torque	
Mand. AW	When	Decrease post.	Class III, wide

	Activate for Compression	torque	(Compressed) mand. Arch width -Detorque
	When use sweep	The AW end must be cinched or Tie- backed	

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NB: presented to Class 2013 B 21.02.2014