

# The Butterfly System

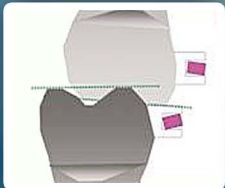
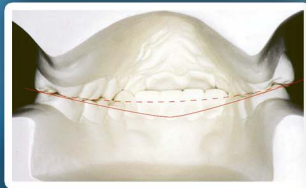


Dr BOWMAN



Dr CARANO

## PROGRESSIVE POSTERIOR TORQUE



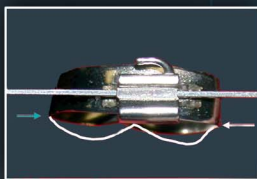
Maxillary torque  $-14^\circ$  ; Mandibular torque  $-10^\circ$  (optional  $0^\circ$ )  
Improves Buccolingual Occlusion; Minimizes Posterior Overjet; Decreases Curve of Wilson; Reduces the Prominence of Palatal Roots

## MANDIBULAR ANTERIOR PROGRESSIVE ANGULATION



$2^\circ$  mesial crown tip for the central incisors and  $5^\circ$  mesial crown tip for the lateral incisors gives better anterior root paralleling

## CONVERTIBLE TUBES WITH $-6^\circ$ ANGULATION



Compensates for the molar's difference in mesial and distal marginal ridge heights, positive effect on tip-back anchorage, minimizes band positioning error and avoids mesially tipped molars

Convertible triple tubes facilitate sectional mechanics and fixed functional appliances

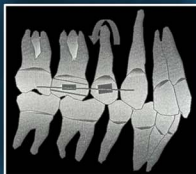


## REVERSIBLE SECOND PREMOLAR ROOT ANGULATION



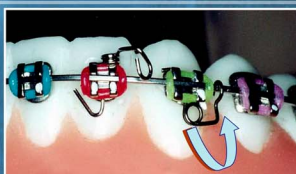
**Standard**  
Dotted ( $+3^\circ$ ) tip nonextraction  
Match marginal ridges  
**Reversed**  
Solid ( $-3^\circ$ ) tip  
Extraction  
Root paralleling

Extraction 1st premolar  
Shifting of 2nd premolar bracket to contralateral side  $-3^\circ$  tip improves root paralleling



Extraction 2nd premolar  
Placing 2nd premolar brackets on first premolars improves root paralleling

Non-extraction  
 $+3^\circ$  tip improves posterior marginal ridge adaptation



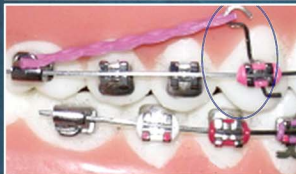
Uprighting Springs



Rotating Springs



U-turn Spring



Power Arm



Monkey Hook

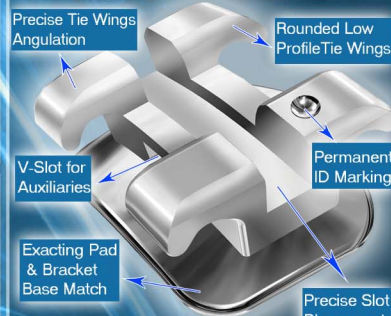
## PREVENTIVE MANDIBULAR ANTERIOR TORQUE

Lingual crown torque of  $-5^\circ$   
Resist the inherent labial tipping of incisors during leveling



Optional  $-10^\circ$  of lingual crown torque reduces labial tipping from Class II elastics or fixed functional appliances

## VERSATILE BRACKET DESIGN



Precise Tie Wings Angulation

Rounded Low Profile Tie Wings

V-Slot for Auxiliaries

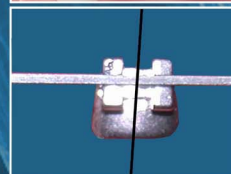
Permanent ID Marking

Exacting Pad & Bracket Base Match

Precise Slot Placement



Optional Offset Premolar Bracket

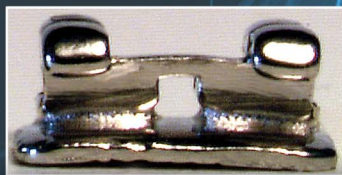


Photoetched Pockets on the Bracket Base



Exacting Pad and Bracket/Tube Base Match

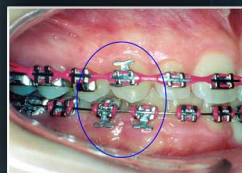
## VERTICAL SLOT FOR CONVENIENCE & VERSATILITY



A number of auxiliaries give better control in all three planes



V-tie or Sling tie



T-pins:  
Used for elastics, e-chain, Niti springs  
T - pins are Removable & More hygienic