

Distalizers

It is now possible to distalize maxillary first and second molars and retain the results with one appliance.

The **Distal Jet™** is a fixed lingual appliance that can produce unilateral or bilateral molar distalization and rotation corrections. Nickel-titanium coil springs (240g) provide forces for predictable results¹. The springs are driven by a set screw activation lock. After molars are distalized the Distal Jet can be converted into a Nance holding arch with a few adjustments - without removing the appliance. (180g springs are available upon request)

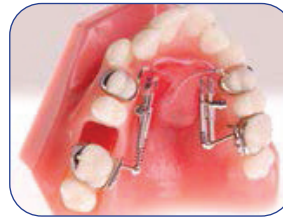
Limited expansion can be introduced with the addition of an expansion screw² to the acrylic button. If significant expansion is required, the use of a palatal expander prior to molar distalization is recommended.

Pendulums provide light and continuous upper molar distalization minimizing patient compliance concerns.

Since its introduction, the pendulum has undergone numerous changes that have greatly improved patient comfort, eased appliance placement and activation, simplified design, enhanced stability and improved overall response³. Several variations are being used successfully. (T-Rex, Pendex, Penguin, PhD, MDA, etc.) Overall, the primary force is still generated by bilateral TMA .032 pendulum springs. The springs, when activated 60-90 degrees, generate approximately 200 grams of force. The distal end of the springs slide into lingual sheaths welded to the molar bands. (Anterior anchorage of the Nance button should be in four locations - however this may vary by patient.) Some pendulums do not require acrylic such as the MDA or PhD.

The **Mambo Jet** uses a “sistered” tube to compress the spring while the screw/tube combination slides along the heavy wire, parallel to the director tube. The set screw is tightened onto the wire.

The spring is compressed and the Jet slides. This modification is available with all Distal Jet™ and Spring Jet appliances.



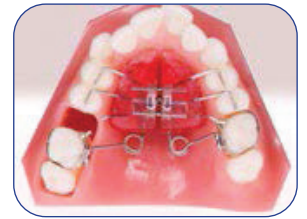
Mambo Jet



Bowman



MDA



T-Rex



PhD



Sagittal



Distal Jet™

1: Upper-Molar Distalization and the Distal Jet. S.J. Bowman, DDS, MSD. Journal of Clinical Orthodontics. March 2016, p 167. <https://www.jco-online.com/archive/2016/03/159/>

2: <https://ijcrims.com/pdfcopy/mar2018/ijcrims1.pdf>

3: Pendulum appliance and its modifications - a review. S. Kaur et al. International Journal of Current Research in Medical Sciences. Vol 4, Issue 3, 2018. <http://dx.doi.org/10.22192/ijcrms.2018.04.03.001>

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