Unitek™ Vertical Slot Auxiliaries

Instructions For Use

Warning: Single Use Only. Reuse may impair product performance and increase risk of patient injury. 3M Unitek will not be responsible for claims from reuse of product.

Warning: This product contains nickel and/or chromium. A small percentage of the population is known to be allergic to nickel and/or chromium. If an allergic reaction occurs, direct patient to consult a physician.

Vertical Slot Auxiliaries

Removable auxiliaries for use with vertical slot brackets to allow for consistent force application (whether inserted by doctor or assistant) and over-correction when desired. Also reduces archwire bending.

Power Hook

To retract a tooth or close space, insert .018” square (.46 mm square) hook leg into bracket vertical slot from the gingival and bend mesially or distally around bracket occlusal edge. Hook will be at height to place force closer to tooth center of resistance to minimize tipping. Two sizes:

Cuspid (long) REF 484-114
Bi-cuspid (short) REF 484-113

Single Root Torque Auxiliary

The .016” diameter root torque auxiliary will be placed in the archwire slot first to achieve maximum torque. Then engage the large diameter round main archwire in four or five bracket archwire slots.

Single Root Torque Auxiliary
REF 562-150
For lingual root torque, insert from the incisal.
For labial root torque, insert from the gingival.

Uprighting Spring

Springs are available in both clockwise and counter clockwise design. Short horizontal arms for lower anterior’s shorter interbracket distances; long horizontal arms for all other teeth.

(1) Insert spring leg through v-slot from gingival.
(2) With arm at right angle to buccal surface, bend leg towards desired direction.
(3) Push arm towards leg to activate coil.

Rotating Spring

To rotate tooth, first ligate archwire to bracket. For severe rotation, use steel ligature tie.

(1) Insert .014” diameter (.36 mm diameter) spring leg from the gingival through bracket vertical slot. (2) Hold lever arm at right angles to buccal surface and bend leg against tooth in direction of desired rotation. (3) Engage arm around archwire to activate rotational force. Movement can occur within six weeks.

Rotating spring, short, 2-coil, CCW
REF 357-006
Rotating spring, long, 2-coil, CCW
REF 357-008
Rotating spring, short, 2-coil, CW
REF 357-005
Rotating spring, long, 2-coil, CW
REF 357-007

Springs are available in both clockwise and counter clockwise design. Short horizontal arms for lower anterior’s shorter interbracket distances; long horizontal arms for all other teeth.

(1) Insert spring leg through v-slot from gingival.
(2) With arm at right angle to buccal surface, bend leg towards desired direction.
(3) Push arm towards leg to activate coil.

Rotating Hook Pin/Power Pin

Bi-directional pin to provide hook as needed. Insert .016” square (.41 mm square) leg into vertical bracket slot with pin head offset towards labial to decrease gingival impingement. Always bend tail opposite force to optimize mechanics.

Removable Hook Pin
REF 461-140
Power Pin
REF 461-150
Correct
Incorrect

For Force Counter Clockwise (in occlusal view)

Caution: U.S. Federal law restricts this device to sale by or on the order of an orthodontic professional.