



RAPID PALATAL EXPANDER (RPE)

INSTRUCTIONS FOR USE

The Rapid Palatal Expander (RPE), though it may go by many different names, is a foundational appliance in orthodontic treatment. While a variety of screw types exist, RPEs are generally activated in the same manner.

INSTRUCTIONS

1. Locate the screw opening on the expander, typically this is directly in the middle of the appliance.
2. Insert the provided key into the screw hole.
3. Push the key toward the back of the palate, turning the screw until the next hole becomes visible. This completes a one-quarter rotation.



Locate the screw hole.



Place the key in the hole.



Push backward until the next hole is visible.

TURNS PER SCREW

Activating the screw typically completes one quarter rotation of the whole screw. Different screw manufacturers have differing numbers of turns to reach 1mm of expansion.

Screw Type	Total Turns per 1mm	Total Turns per Screw
Forestadent Snaplock Screw (8mm)	4.5	32-40
Forestadent Snaplock Screw (10mm)	4.5	40-50
Forestadent Snaplock Screw (12mm)	4.5	48-60
Forestadent Gold Screw (10mm)	5	50
Forestadent Gold Screw (12mm)	5	60
Forestadent Slimline Screw (8mm)	5	40
Forestadent Slimline Screw (12mm)	5	60
Forestadent Memory Screw (8mm)	5	40
Anterior Fan Screw (Leone Exspider) (9mm)	4	40
Dentaurum Variety Slimline Screw (8mm)	5	40
Dentaurum Variety Slimline Screw (12mm)	5	60
MSE Screw (6mm)	5	30
MSE Screw (8mm)	5	40
MSE Screw (10mm)	5	50
MSE Screw (12mm)	5	60
Leone LEAF Screw (9mm)	4	40