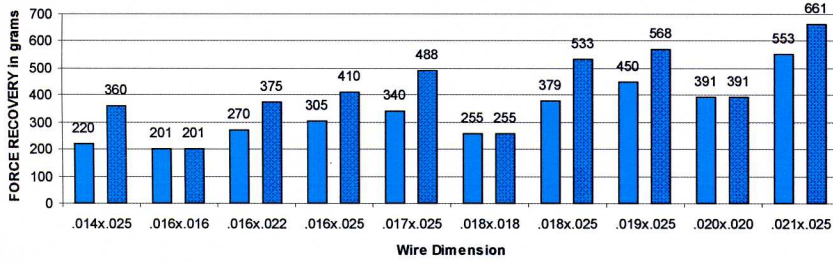


# SUPER ELASTIC NICKEL TITANIUM ARCHWIRE

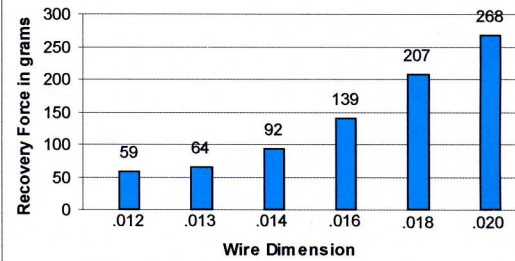
- Unique shape memory provides near constant unloading (tooth moving) forces in the **middle range**, regardless of the degree of deflection.
- SE arches work exceptionally well even in the most severe malpositions.
- Friction free, ultra-smooth finish allows brackets to slide easily along the wire.

vertical (solid) and horizontal (pattern) planes

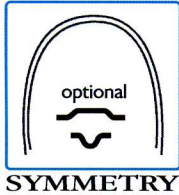
FORCE VALUES OF RECTANGULAR PHOENIX SE



FORCE VALUES OF ROUND PHOENIX SE



three point load cell testing: archwire deflection in 100 F water bath measuring loading and unloading forces. 3mm deflection over a 10mm span.

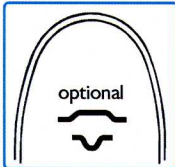
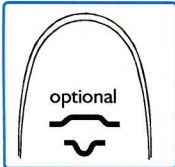


**ROUND:**

.012, .014, .016, .018, .020

**SQUARE & RECTANGULAR:**

.016 x .016, .016 x .022, .017 x .025,  
.018 x .018, .018 x .025, .019 x .025,  
.020 x .020, .021 x .025

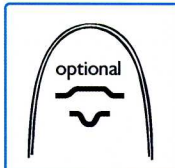
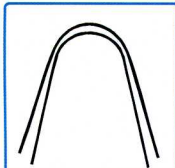


**ROUND:**

.012, .013\*, .014, .016, .018, .020

**SQUARE & RECTANGULAR:**

.014 x .025\*, .016 x .016, .016 x .022,  
.016 x .025\*, .017 x .025, .018 x .018,  
.018 x .025, .019 x .025, .020 x .020,  
.021 x .025



**ROUND:**

.012, .014, .016, .018, .020

**SQUARE & RECTANGULAR:**

.016 x .016, .016 x .022, .017 x .025,  
.018 x .018, .018 x .025, .019 x .025,  
.020 x .020, .021 x .025



*Center Stop* option prevents arch wire creep and rotation out of buccal tubes and eliminates the need to heat and cinch distal ends of archwire. The entire archwire remains active, even in molar tubes.

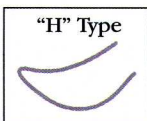
## Reverse Curve of Spee

**ROUND:**

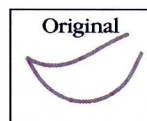
.014, .016, .018, .020

**SQUARE & RECTANGULAR:**

.016 x .016, .016 x .022, .017 x .025,  
.018 x .025, .019 x .025, .021 x .025



- Similar in shape to *Symmetry*.
- "Rocking Chair" radius towards anterior prevents bite collapse.
- Straight, level posterior segment. No "Toe-In."



- Moderate anti-rotation for molars.
- Deep curve mesial of cuspids to correct severe or closed bites.
- Wide, circular arch.