



## *Expansion*

**ORTHO**  
**CARE**  
(UK) Limited

*Our Strength is our Service*

## Nitom™ Expander

Developed by Dr Russell Samuels

The Nitom Expander is designed to fit around the buccal and labial aspect of the upper arch, and fits into the EOT tubes of upper first molar bands. It can be used to either hold, stabilise, expand or contract the upper arch. It does this from the buccal, rather than the palatal aspect, and provides an alternative to the palatal devices.

It is a 'U' shaped device, with Nitom catches present on both ends. It can be worn either full time, or part time, depending on the requirements of the case. The Nitom catches retain the expander in place, and allow the patient to remove it for cleaning, if required.

The Nitom Expander is made in five different sizes, and has omega loops to allow for fine adjustments.

- Requires no lingual sheaths
- Fits standard EOT tubes
- Use with fixed appliances

Use to:

- Correct bilateral/unilateral crossbites
- Expand or contract upper arches during fixed appliance treatment
- Stabilise upper arch after orthognathic surgery
- Hooks can be soldered to help correct centre lines etc.

Sold individually

### Nitom Expander

Size	Inner Bow Size	O/No
1	83mm	<b>1200-040</b>
2	90mm	<b>1200-041</b>
3	97mm	<b>1200-042</b>
4	104mm	<b>1200-043</b>
5	111mm	<b>1200-044</b>





## Removable Quad Helix - Preformed

Made from .036"/0.9mm stainless steel and available in 3 sizes.  
Curved arms for easy insertion.

### Removable Quad Helix - Preformed

Each		O/No
Size 1	Small	<b>5000-311</b>
Size 2	Medium	<b>5000-312</b>
Size 3	Large	<b>5000-313</b>



## Lingual Sheaths for Quad Helix

Curved Length 3.5mm

### Lingual Sheaths for Quad Helix

10 per pack	O/No
	<b>5000-314</b>



## Palatal Arches

Ideal for arch expansion, stabilising and rotating molars.  
Available in 5 sizes.

### Palatal Arches

10 per pack	O/No
37mm	<b>5000-316</b>
40mm	<b>5000-317</b>
43mm	<b>5000-318</b>
46mm	<b>5000-323</b>
49mm	<b>5000-324</b>



## Palatal Arch Kit

Contains 50 Arches (10 of each size) and 10 Sheaths

### Palatal Arch Kit

O/No  
**5000-319**



## Lingual Sheaths for Palatal Arches

### Lingual Sheaths for Palatal Arches

10 per pack	O/No
	<b>5000-320</b>

## The Super Screw™ Telescopic Maxillary Expander

ONE EXPANDER DOES IT ALL

**Friction Coated** Eliminates back turning due to tongue action and is **GUARANTEED** to activate

**Innovative Telescopic design** expands a full 18mm. Never remake an appliance or compromise a result

**Activation from the front of the mouth** Activation with a familiar hex wrench which is safer and easier to use

**A true 16mm or 12mm closed length** Attachment wires are perpendicular to expansion axis, resulting in a true 16mm closed length

### Graduated scale

Direct read-out of expansion enhances communication between orthodontist and parent!  
Each line represents 2mm of expansion

### Expansion limit Indicator

Warning threads appear when 18mm is reached, eliminating guessing at how much expansion is left

### Versatile

The SUPER Screw™ can be fabricated for Hygienic, Acrylic Type (Haas) or Bonded applications. Use in cases requiring little expansion, to those needing the most expansion

### Latest Technology

Laser soldered and welded for perfect joints... 316 stainless steel construction and rolled threads

### Optional Lock-Nut

For securing the appliance after activation is completed

### Great patient comfort

Small size (16mm) with its rounded smooth shape allows the SUPER Screw™ to have a smaller profile and fit higher in the palate

**SPECIFICATIONS:** Internally coated with nylon for friction enhancement. Closed length with optional lock-nut -17.5mm. Maximum expansion - 18mm. One complete turn - 1mm. Activates with a hex wrench. Activation from front of the mouth. Triple telescopic design. Can be turned back to release pressure. Sterilization by any standard method. Universal wrench for optional lock-nut.

### Super Screw

Each	Size	Expansion	O/No
Mini Super Screw	12mm	12mm	<b>1116</b>
Regular Super Screw	16mm	18mm	<b>1115</b>
Locking Nut and Wrench			<b>1117LN</b>



### Most hygienic of any appliance

The rounded, smooth shape offers no traps for food, making it exceedingly easy to clean

