**INDICATIONS**

- Indicated for use in treating Class II Malocclusions during orthodontic treatment of both growing and non-growing patients with full permanent dentition. Use standard treatment protocols for Class II Correction when using appliance.

**CONTRAINDICATIONS**

- PowerScope Class II Corrector is contraindicated for use with patients who have a history of severe allergic reactions to nickel.

**WARNINGS**

- PowerScope nut attachments are small components of the complete appliance and may be swallowed if precaution is not taken when unscrewing.
- This product contains nickel and/or chromium. Patients with an identified allergy to these metals SHOULD NOT use this product. In undiagnosed patients, if irritation occurs, discontinue use IMMEDIATELY and consult a physician.
- Do not ingest or inhale magnets. Ingestion or inhalation of magnets may result in injury or death. Neodymium magnets can affect pacemakers. Secure magnets when unattended. Safety glasses are recommended when handling loose magnets.

**PRECAUTIONS**

- PowerScope is to be used only as specifically outlined in the Instructions for Use. Any use of this product inconsistent with the Instructions for Use is at the discretion of and sole responsibility of the practitioner.

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**REORDER PARTS**

**PowerScope Kits**
852-016537 1 Patient Kit
Includes: 1 Right/1 Left with nuts – does not include Shims, Driver or magnets

852-016538 5 Patient Kit
Includes: 5 Right/5 Left with nuts, 10 each 1 mm, 2 mm & 3 mm Crimpable Shims, 5 Driver Magnets and 1 Hex Head Driver

**PowerScope Accessories**
852-016539 PowerScope Right Arm
852-016540 PowerScope Left Arm
852-016541 Attachment Nuts - 10 pack
852-026533 Driver Magnets - 5 pack
855-733 Crimpable Shims 1mm
855-728 Crimpable Shims 2mm
855-738 Crimpable Shims 3mm
855-515 Hex Head Driver

**CLASS II CORRECTOR**

- Kit Contents
  - 5 Left PowerScope with nuts
  - 5 Right PowerScope with nuts
  - 1 Hex Head Driver Tool
  - 5 Driver Magnets
  - 10 - 1mm Crimpable Shims
  - 10 - 2mm Crimpable Shims
  - 10 - 3mm Crimpable Shims
  - 10 Left Attachement Nuts
  - 10 Right Attachement Nuts

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**ADVERSE REACTIONS**

- Side effects of pushing mechanism may result in intrusive forces that are placed on teeth
- Proclination of lower incisors
- Minimal tendency for the maxillary molars to procline buccally
- Possible rotation of lower canines

**STERILIZATION**

- For more information on sterilization please visit http://www.americanortho.com/PS-Sterilize

**SUGGESTIONS**

The lower dentition should be stabilized by one of the following methods to prevent increases of the axial inclination of lower anterior teeth or the opening of spaces distal to the canines.

- Cinching of the lower arch wire
- Full lower arch elastic chain
- Arch locks/stops posteriorly

**REMOVAL**

- Unscrew lower mandibular screw until nut assembly disengages from the wire
- Unscrew upper maxillary screw until nut assembly disengages from the wire
- Remove appliance from patient’s mouth

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**LOCKING NUT ATTACHMENT**

- Redesigned attachment nut increases durability, and ease of installation.

**18mm Telescoping PowerScope**

- Crimpable Shims

**Appliance - Right (5) / Left (5)**

- 260 gm. Internal Spring Mechanism

**H ex Head Driver**

- Driver Magnet (5)
PowerScope 2 is delivered as a one-size-fits-all appliance pre-assembled with attachment nuts for quick and easy chairside application. (Fig. 1)

The appliance is a wire-to-wire installation with attachments placed mesial to the first molar in the maxillary arch and distal to the canine of the mandibular arch. (Fig. 2)

MAGNETIC SLEEVE INSTRUCTIONS

*Keep magnetic sleeve away from metal objects as they have a tendency to attract.
Place magnetic sleeve on a non-metallic counter top with conical chamfer slot opening facing up. (Fig. 3)

Holding the Hex Head Driver over the magnet, approach slot opening while pointing driver tip to the center of the hole (Fig. 4)

Magnetic sleeve will seat itself on driver tip. (Fig. 5)

*Recommended use of upper 1st molar non-convertible tube. *Please ensure screw tip does not extend past attachment nut before engaging wire. (Fig. 6 & 7)

Engage maxillary attachment screw using the driver provided (Fig. 8) and place mesial to the first molar on the maxillary rectangular stainless steel arch wire (Fig. 9), preferably a 17x25 (.018 slot) or a 19x25 (.022 slot) cross section for maximum fit and stability of appliance.

Placing a finger on top of the nut attachment will help stabilize nut mechanism when tightening the screw.

*SUGGESTIONS

• PowerScope 2 is indicated for dentoalveolar correction and not skeletal correction. Caution should be used when the mandibular incisors are already proclined since this appliance could promote further proclination

• The lower dentition should be stabilized by one of the following methods to prevent increases of the axial inclination of lower anterior teeth or the opening of spaces distal to the canines:
  - Cinching of the lower arch wire
  - Full lower arch elastic chain
  - Arch locks/stops posteriorly

• Significant negative torque brackets (-6 to -10 degrees) are suggested for lower anterior teeth
• Steel ligatures are advised for lower canines to prevent rotation during treatment

*SUGGESTIONS CONT’D

• Use of upper 1st non-convertible molar tubes
• Use of Ceka Bond material (861-013) on screw threads to address any concerns of screw loosening or backout

CORRECT APPLIANCE PLACEMENT

*R” ID mark for right appliance. “OPEN” with “L” ID mark for left appliance directional arrow for loosening direction (reverse thread).

Three activation lines spaced 2mm apart reference the level of activation ranging from no activation to partial activation to full activation.

REMOVAL (TURN MESIALLY)

• Unscrew lower mandibular screw until attachment nut disengages from wire
• Unscrew upper maxillary screw until attachment nut disengages from wire
• Remove appliance from patient’s mouth and discard

Visit www.americanortho.com/powerscope for further information on proper activation and installation.