



power
S C O P E™

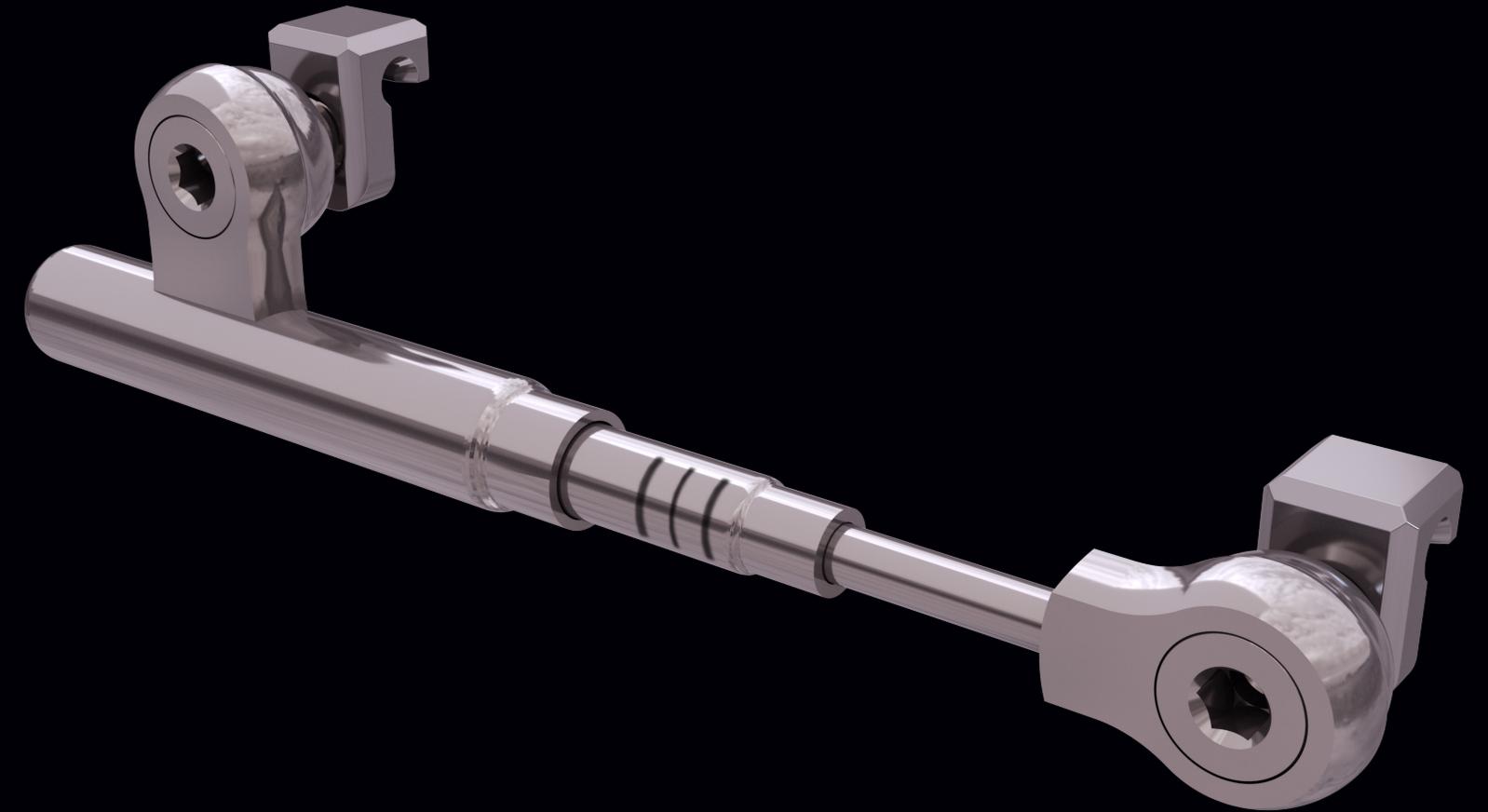
CLASS II CORRECTOR

CLASS II CORRECTION SIMPLIFIED

PowerScope® delivers simple, efficient Class II correction like you've never seen before. PowerScope features a strong wire attachment nut and visual activation indicators. An alternative nut is also available and allows for fully encapsulated wire and extraoral installation.

- Fixed one-piece, one-size-fits-all design
- Easy chairside wire-to-wire installation
- No assembly or lab setup required
- No headgear or special band assemblies
- Use with banded or bondable molar tubes
- World-class clinical results

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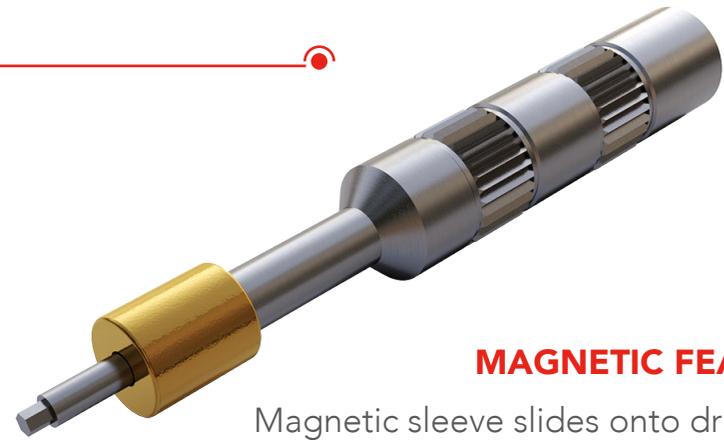


INNOVATIVE DESIGN

PowerScope delivers Class II correction with a combination of patient comfort and ease of use that is unmatched among other appliances. This ready-to-use chairside solution requires no lab setup, making for a quicker and easier installation process and appointment. PowerScope's high quality, fixed one-piece design requires no patient compliance.

PATIENT-FRIENDLY DESIGN

PowerScope's low profile means a more aesthetic appearance, and its smooth, rounded design provides better patient comfort. There's no piston extending distally from the upper molars, which helps reduce ulceration.



MAGNETIC FEATURE

Magnetic sleeve slides onto driver for secure hold of appliance during installation.

READY TO USE

One-piece, no assembly required, and no need for lab setup.

HEX HEAD SCREWS

Reverse screw thread assembly minimizes screw loosening during treatment, while hex head design allows safe and easy appliance delivery.

WIRE ATTACHMENT NUTS

Simple wire-to-wire installation reduces the need for special band attachments or headgear tubes.

BALL AND SOCKET JOINT

Unique design maximizes lateral movement for improved patient comfort and acceptance.



ALTERNATE ATTACHMENT NUT

Closed channel alternate attachment nut allows for extraoral installation and wire is fully encapsulated.

18 mm TELESCOPING MECHANISM

Durable, proven telescoping design will not disengage during treatment, helping avoid unnecessary emergency visits.

NICKEL TITANIUM INTERNAL SPRING MECHANISM

260 gm. spring-activated mechanism means reduced treatment time compared to traditional Class II Herbst appliances.

ACTIVATION LINES

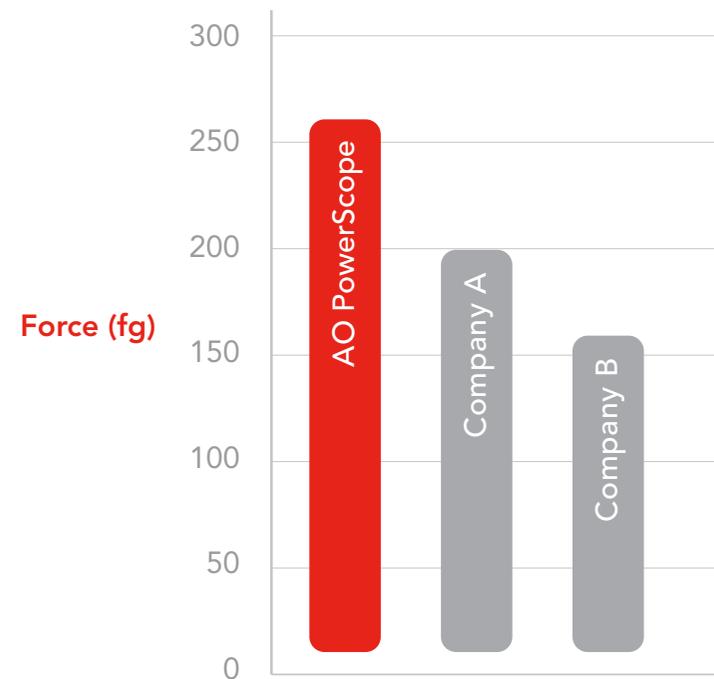
Three distinct lines provide a clear visual reference to aid in activation of the appliance.

PRODUCT
FEATURES

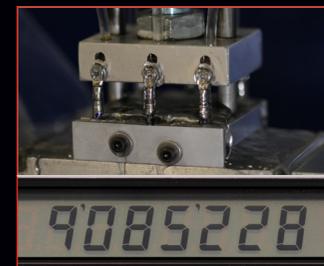
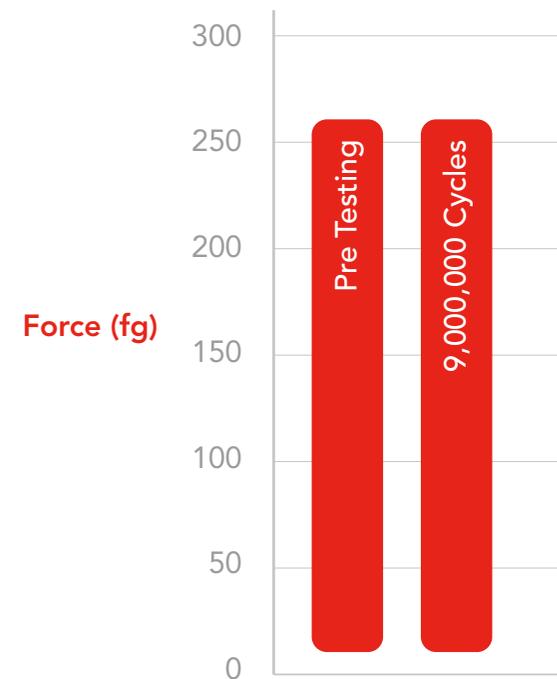
TESTING AND EVALUATION

American Orthodontics ensures the highest quality standards through extensive in-house testing and field evaluation. Our in-house process incorporates cycle testing for spring durability and degradation, and extensive field evaluation included hundreds of cases treated around the world.

Comparison of Spring Forces Exerted During Activation



Consistent Force Values After 9 Million Cycles



IN-HOUSE CYCLE TESTING

American Orthodontics tested PowerScope to more than nine million cycles. That's equal to opening and closing your mouth once every six seconds, every minute you're awake, for over two years.

DR. ANDY HAYES

Dr. Andy Hayes worked in conjunction with American Orthodontics to develop the PowerScope appliance. Dr. Hayes received his B.S., D.D.S. and M.S.D. degrees from Indiana University. A second generation orthodontist, he treats all types of orthodontic cases with specific interests in growth modification for adolescents, skeletal anchorage in complex cases, and non-visible treatment options. Dr. Hayes is a Clinical Instructor in the St. Louis University Department of Orthodontics and has presented lectures internationally on Class II correction. He serves on the Editorial Advisory Board of Orthotown Magazine and maintains an active private practice limited to orthodontics in the St. Louis, Missouri area.



CLINICAL RESULTS

The PowerScope Class II corrector is indicated for dentoalveolar correction only.

PowerScope has the ability to treat the following types of cases:

- Class II correction with dentoalveolar compensation of occlusion (Class II elastics effect)
- Class II division 1 malocclusions
- Class II division 2 malocclusions
- Unilateral correction of Class II
- Asymmetric cases - midline correction
- Distalizing upper posterior teeth (headgear substitute)
- Mini-screw alternative - anchorage for mandibular arch space closure (aplasia)
- Aid with opening space for future implants
 - Anterior maxilla
 - Posterior mandible

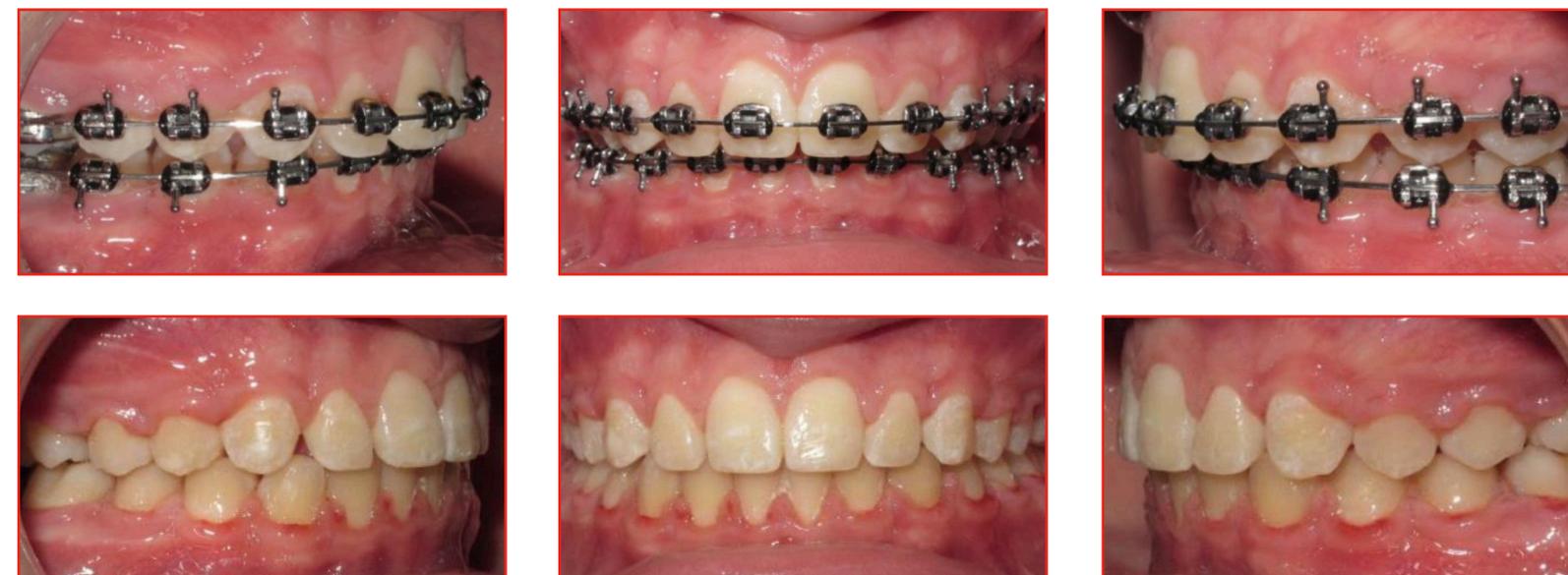
CASE 1 RESULTS

Class II to Class I with 4 months of PowerScope treatment.



CASE 2 RESULTS

Class II to Class I with 5 months of PowerScope treatment.





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