

SPRING-GEAR™

WITH ADJUSTABLE LEVELS OF FORCE

EFFECTIVE
Ingenious design guarantees equal tension.

FLEXIBLE
Spring-Gear tube adjusts to every neck size.

SNAP-AWAY SECURED
Snap-away attachment, with easy adjustment for each individual patient

SNAP-AWAY LOOSE
Safety. The face bow immediately loosens if a major force is suddenly exerted.

APPLY 7 LEVELS OF FORCE
400, 450, 500, 550, 600, 650, and 700 grams

COMFORT
Soft, washable and replaceable

FREEDOM OF MOVEMENT
Movable nitinol spring allows for full range of head movements without major tension changes.

ADJUSTABLE FORCE & FREEDOM OF MOVEMENT AT LAST...

The patented Spring-Gear™—a unique development in the orthodontic field—is a comfortable, safe headgear which continues to exert adjustable and equal forces on the dentition, regardless of which head movements are made. The new Spring-Gear™ has 7 levels of precise and adjustable forces. It is adjustable to 400, 450, 500, 550, 600, 650, and 700 grams of force, depending on your treatment plan. The Spring-Gear™ was developed and comprehensively tested in orthodontic practices and patented worldwide. Comfort, freedom of movement, safety and, of course, effectiveness were the principles adopted during development—principles in which, according to results obtained by the Netherlands Organization for Applied Scientific Research, the Spring-Gear™ excels.



Comfort.

The flexible, transparent Spring-Gear™ tube adapts to fit every neck size. The soft, blue neck cushion on the interior is washable and can be replaced by a new one if required.

Safety.

A simple, but effective, system ensures that the snap-way attachments detach from the face bow, if excessive force is applied. Ingenious design and choice of material guarantees that the releasing force remains constant throughout treatment.

Adjustable and Equal forces.

A virtually friction-free nitinol spring ensures that the forces exerted on the dentition scarcely change regardless of the direction in which the patient moves his/her head. With 7 adjustable levels of force, you can accurately accomplish your treatment plan.

Research.

A study by the Netherlands Organization for Applied Scientific Research showed the forces on the 1st molars did not change when the head moved with patients wearing Spring-Gear™ cervical headgear. This is a problem with conventional headgear in that the forces on the 1st molars change with each movement of the head. This is because the headgear do not slide around the neck as the Spring-Gear™ does.

Fitting the Spring-Gear™ to the individual patient is very simple. Sliding the snap-way attachments along the strap enables the nitinol spring to be extended to the point where ideal strength is reached.

Seven different types of cervical headgear were investigated. The results are shown in the diagrams below.

FREEDOM OF MOVEMENT AT LAST...

