

# esprit

CLASS II CORRECTOR



*Comfort & Strength Aligned*



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## Technical Data:

- Fully loaded force: 160g–180g
- Maximum travel distance: 8.25mm
- Push rod material: 302 stainless steel
- Total number of cycles tested with no breakage: 1.5 million
- Laser weld pull strengths for plunger cap: 65lbs (avg)

## Features

## Benefits

Machined body made from heat-treated 17-4 stainless steel

Smooth for patient comfort. Durable for lasting treatment.

Innovative, patented distal clip design with rounded edges

Comfortable for patients. Allows easy, one-handed installation. Stays closed for entire treatment. Easy to remove.

Innovative, patented Euclid pin design

Unlike L-pins, the Euclid pin does not require cutting and will always bend in the same spot for simple, quick installation.

Pin hook on distal clip

Allows complete control: bend in to restrict lateral movement, bend out to allow more movement.

Enclosed spring design

Prevents painful pinching and helps keep food out of the appliance.

Unique, patented mesial attachment

Prevents rolling into occlusion. Smooth for patient comfort. Easy to remove with no cutting required.

Dual telescoping design (the distal plunger and the push rod both telescope)

Provides longer range of motion and fewer separations.

Open hole at the distal plunger cap

Prevents bottoming out and allows liquid flow to keep foreign substances from clogging the spring.

Laser welding on all major structural components

Provides strength in every aspect of the device and prevents emergency appointments for broken devices.

Internal stainless steel (316L) spring

Resists deformation and keeps consistent forces, unlike NiTi springs that quickly deform and lose force.

Cylindrical design of body, plunger, and push rod

Allows free spinning motion, which keeps the product from binding and allows more freedom of movement.

CNC crimpable collars for added activation

Collars are easy to install and allow quick reactivation if necessary.

## Esprit Components

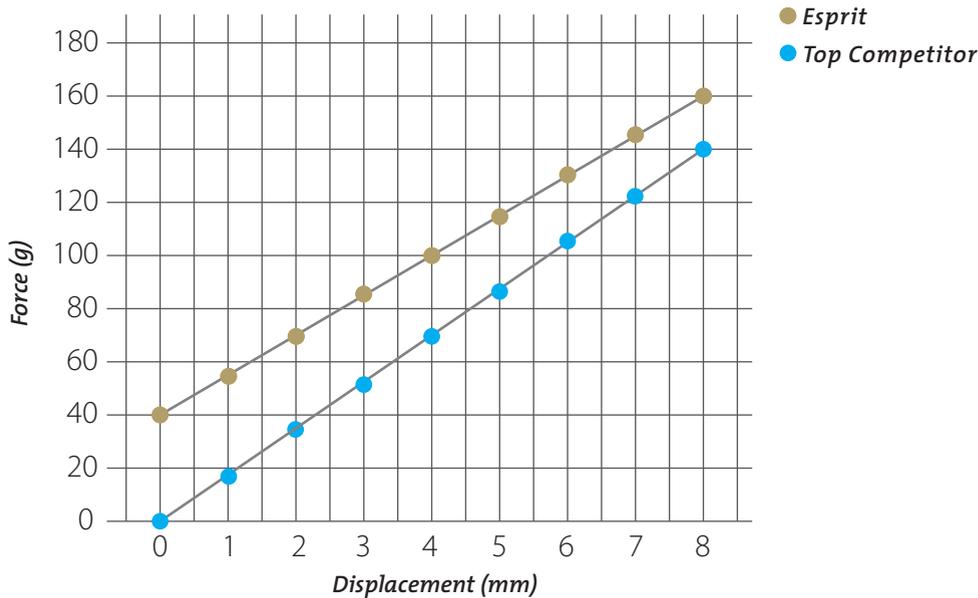
The Esprit device can be broken down into three main components: the distal clip and Euclid pin, the body and plunger, and the push rod with mesial hook.



## 1. Distal Clip and Euclid Pin

Esprit offers two types of distal attachment: the patented clip and the Euclid pin. The clip consists of the clip, two pins, a rotating “horn,” and a hook that can be bent. The Euclid pin is a patented pin that always bends in the same spot and requires no measuring or cutting.

## Force vs. Displacement



“  
I have had the opportunity to work with several Class II correctors. Esprit provides accurate and consistent end results. Its comfort, durability and unique spring design are far superior to the others on the market.

~ Dr. Rick McLaughlin

### Ease of placement:

Other Class II correctors require complex measuring and cutting techniques prior to installation or have cumbersome clips. And once installed, they often disengage or break during treatment.

### Esprit gives you unmatched ease of placement in two important ways:

1. The patented distal clip is extremely easy to install - even with just one hand. And it does not disengage during treatment.
2. The Euclid pin easily bends in only one place and does not require measuring or cutting, making it a breeze to fix to the buccal tube.

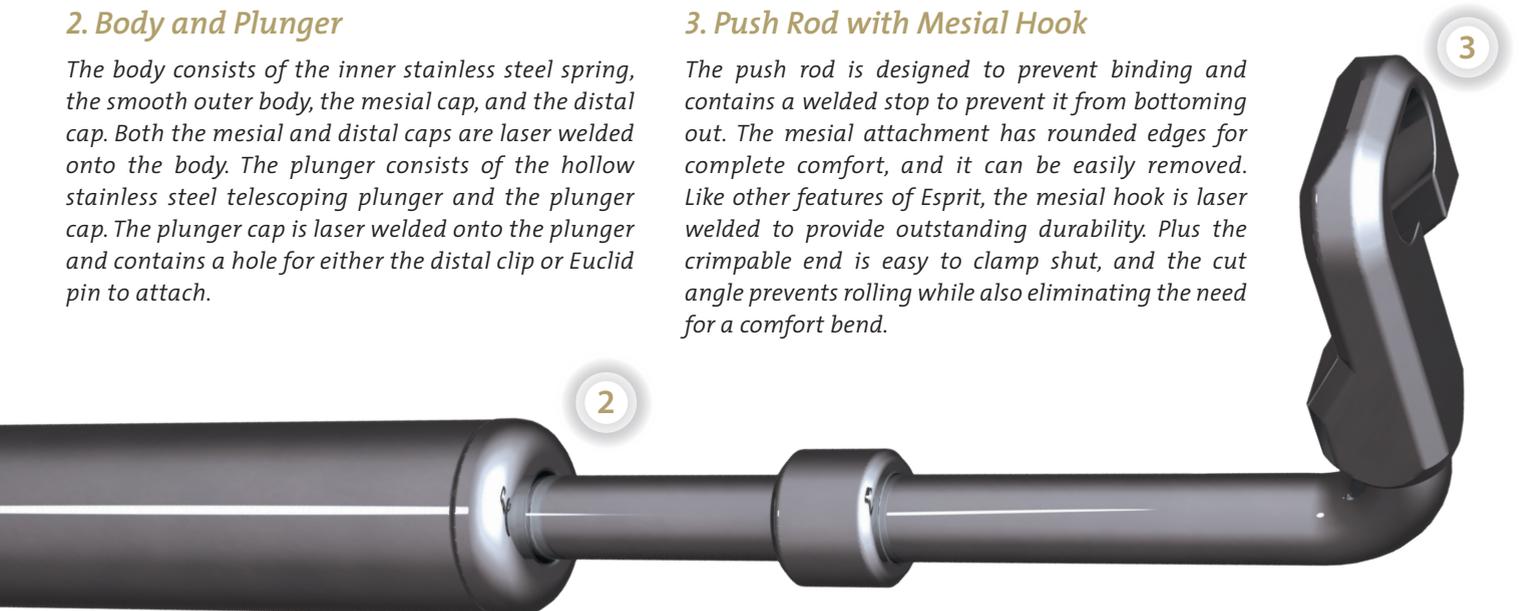
Regardless of whether your protocol requires the clip version or the pin version, Esprit will provide the ease of placement you've been looking for.

## 2. Body and Plunger

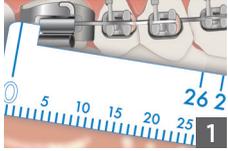
The body consists of the inner stainless steel spring, the smooth outer body, the mesial cap, and the distal cap. Both the mesial and distal caps are laser welded onto the body. The plunger consists of the hollow stainless steel telescoping plunger and the plunger cap. The plunger cap is laser welded onto the plunger and contains a hole for either the distal clip or Euclid pin to attach.

## 3. Push Rod with Mesial Hook

The push rod is designed to prevent binding and contains a welded stop to prevent it from bottoming out. The mesial attachment has rounded edges for complete comfort, and it can be easily removed. Like other features of Esprit, the mesial hook is laser welded to provide outstanding durability. Plus the crimpable end is easy to clamp shut, and the cut angle prevents rolling while also eliminating the need for a comfort bend.



## Technique guide clip installation



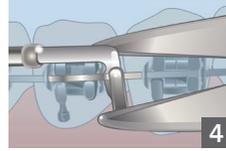
1 Measure from the distal of the lower cuspid.



2 Insert clip mesially into occlusal headgear tube.



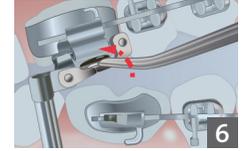
3 Squeeze using Weingart pliers until a click sound is heard.



4 Crimp the mesial hook onto the lower arch wire.



5 Engage push rod into module and verify correct activation.

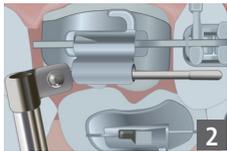


6 To remove clip, insert plastic instrument below headgear tube and twist.

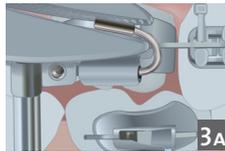
## Technique guide euclid pin installation



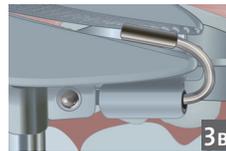
1 Measure distal to the lower 3 or 4 (depending on preference).



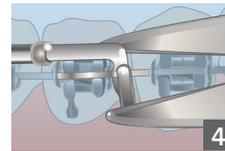
2 Insert Euclid pin through body hole and into headgear tube distally.



3A Bend over or under headgear tube (depending on preference) using Weingart pliers.



3B Maintain buccal orientation of ball while bending pin, ensuring the pin doesn't roll.



4 Crimp the mesial hook onto the lower arch wire.



5 Engage push rod into module and verify correct activation.

## Ordering information

Quantity	Part#	Description
	900-109	Esprit Single Patient Kit Euclid Pin version
	900-110	Esprit 5 Patient Kit Euclid Pin version
	900-111	Esprit 20 Patient Kit Euclid Pin Version
	900-113	Esprit Right Small Push Rod Refill (26mm)
	900-114	Esprit Left Small Push Rod Refill (26mm)
	900-115	Esprit Right Medium Push Rod Refill (29mm)
	900-116	Esprit Left Medium Push Rod Refill (29mm)
	900-117	Esprit Right Large Push Rod Refill (32mm)
	900-118	Esprit Left Large Push Rod Refill (32mm)
	900-121	Esprit Euclid Pin Refill
	900-122	Esprit Measuring Devices
	900-123	Esprit Single Patient Kit Clip version
	900-124	Esprit 5 Patient Kit Clip version
	900-125	Esprit 20 Patient Kit Clip version
	900-126	Esprit Right Module Refill with Clip
	900-127	Esprit Left Module Refill with Clip
	900-128	Esprit Force Module No Clip Refill
	900-023	Esprit Crimpable Stops Refill
	900-056	Esprit Right Extra Small Push Rod Refill (23mm)
	900-057	Esprit Left Extra Small Push Rod Refill (23mm)
	100-1422	Esprit Distal Clip Removal Tool

