
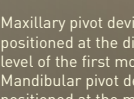


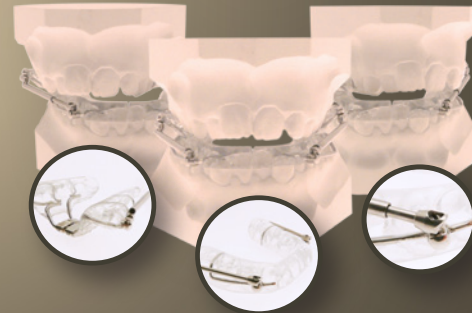
Problem :	Fact :	Solution :
Screw breakage	Pivot device not cleared.	Clear supports of any acrylic 
No lateral excursion	Poor orientation of the pivot devices.	Mandibular pivot device oriented downward Maxillary pivot device oriented upward  
	The bicuspid level is too thick at the buccal.	Adjust acrylic thickness using articulating paper 
	Poor positioning of the pivot devices.	Maxillary pivot device positioned at the distal crown level of the first molars. Mandibular pivot device positioned at the mesial crown level of the first bicuspid. 
Loosening of the screw	The screw has locking feature not been activated	Fully set the screw in place using the special Liberty Bielle™ screwdriver. 

Notice LibertyBielle Rev1,1 - 19/07/11 - EN

RMO® Europe
rocky mountain® orthodontics

LIBERTY BIELLE™

Instructions of use



CAUTION :

This appliance contains nickel and should not be used for individuals with known nickel sensitivity.

This medical device is for single use:

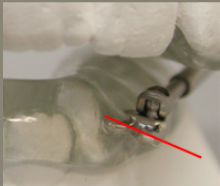
It is used in the elaboration of a unique appliance under medical prescription for a specific patient.

The screw is self-locking, once de-mounted it must be replaced by a new one, in order to assure the locking feature.
If re-used cross contamination can occur.

One of the principal goals in the development of the Liberty Bielle™ was the ease of the assembly. A few tips remain necessary to follow :
For each type of appliance there is a unique pivot device

Liberty Bielle™ with occlusal overlap :

The pivot device is 20'' (5mm) long. It accepts an Elgiloy® wire from .045'' (1,1mm) to .047'' (1,2mm). The upper (maxillary) pivot device must be positioned at that the distal crown level of first molar. The lower (mandibular) pivot device must be positioned at that the mesial crown level of first bicuspid. It is mandatory to respect the precise inclination of the supports:



The mandibular pivot device must be oriented downward (around 15°).



The maxillary pivot device must be oriented upward (around 15°).



The buccal acrylic must not interfere with the excursion movements (often at the bicuspid level). Take the time to remove the acrylic excess by using articulating paper. You can open some buccal "windows" at the level of lower 1st & 2nd bicuspid. The appliance is less bulky and its resistance is not affected.

Liberty Bielle™ without occlusal overlap :

The pivot device is .18'' (4,5mm) long. It accepts an Elgiloy® wire .036'' (0,9mm). The upper (maxillary) pivot device must be positioned at the distal crown level of the first molar. The lower (mandibular) pivot device must be positioned at that mesal crown level of the first bicuspid.

The supports are parallel to the occlusal plane.

With no occlusal plan the orientation of the support have less importance.

Make sure the flat side of the pivot device (the side receiving the screw) is completely free of acrylic.

If the wire is laser welded in house, one must bend the wire only after the weld.

If not a wire breakage may occur. If these tips are respected total satisfied with the Liberty Bielle™ is virtually assured.

Maintenance of the appliance :

- Liberty Bielle™ must be cleaned daily, and removed during meals.
- Clean the appliance with a tooth brush.
- The appliance can also be dipped a dental cleaning solution.