

Panther TLSL-1

Fitting Guide



Fitting the Panther TLSL

The Panther Spinal Brace is an orthopedic back brace that provides abdominal compression while restricting motion and supporting spinal alignment.

Its design is simple yet sophisticated; simple because of the patented method of setting the size and sophisticated because of the space age materials, like the mesh fabric that provides cool comfort, or the light yet strong polymer that provides support.

Fitting the Panther is a snap. Just add or remove belt segments and adjust the string length.

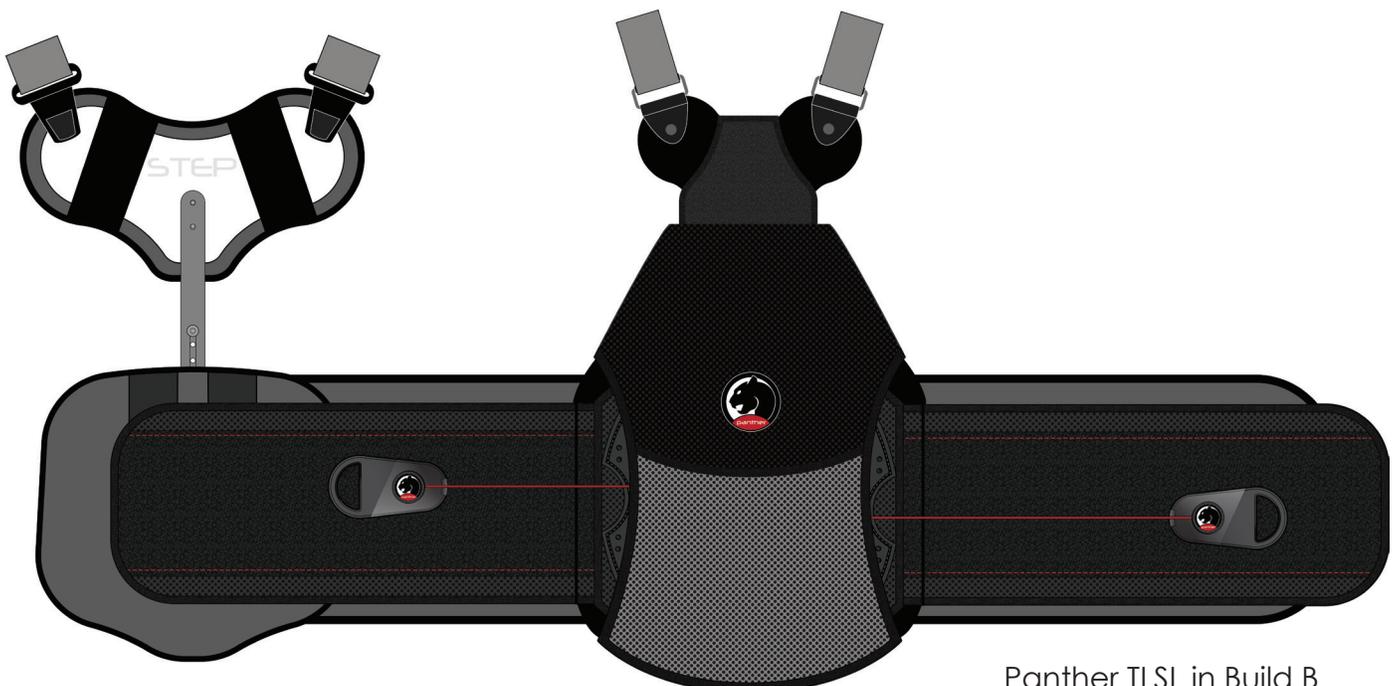
Throughout this guide, the term "Build" refers to the configuration of belts and belt segments. When reviewing the Panther Build Chart (Page 4) the Brace Illustration Column shows how each assembled Build will look.

Note: The Panther is shipped assembled as Build B because it fits over 50% of patients, so half the time you won't need to alter the Build.

Panther TLSL Components

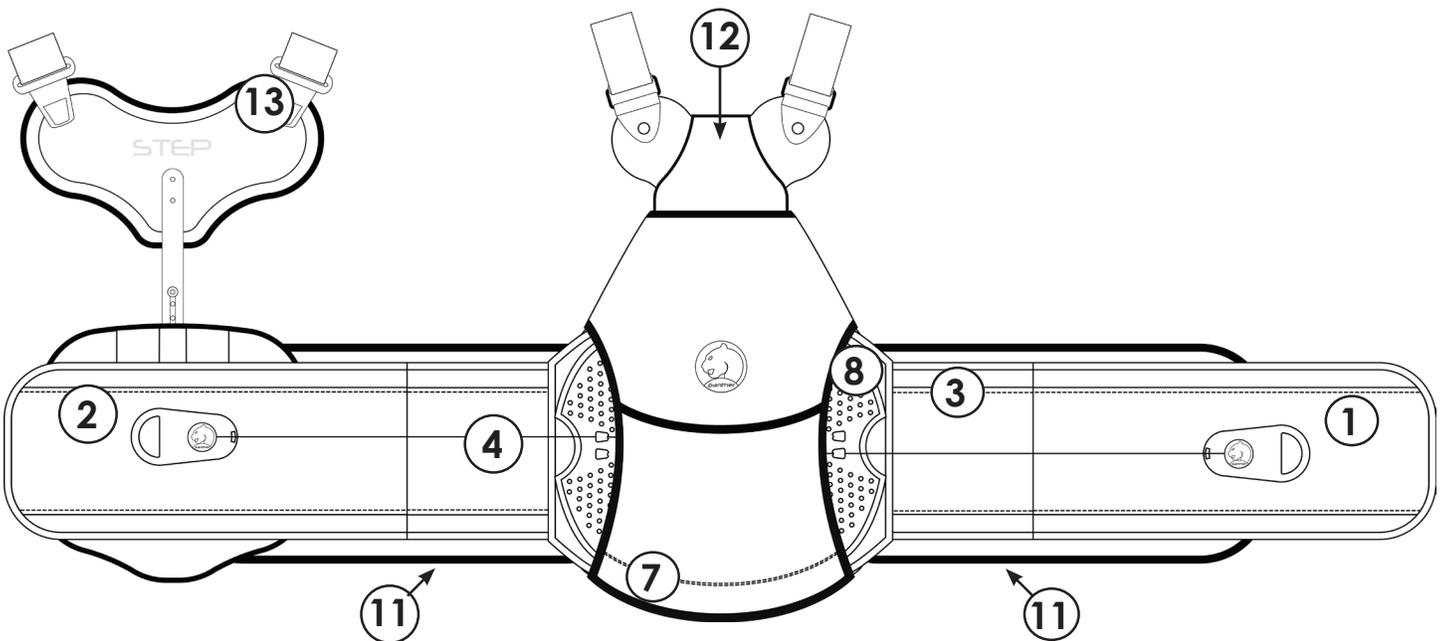
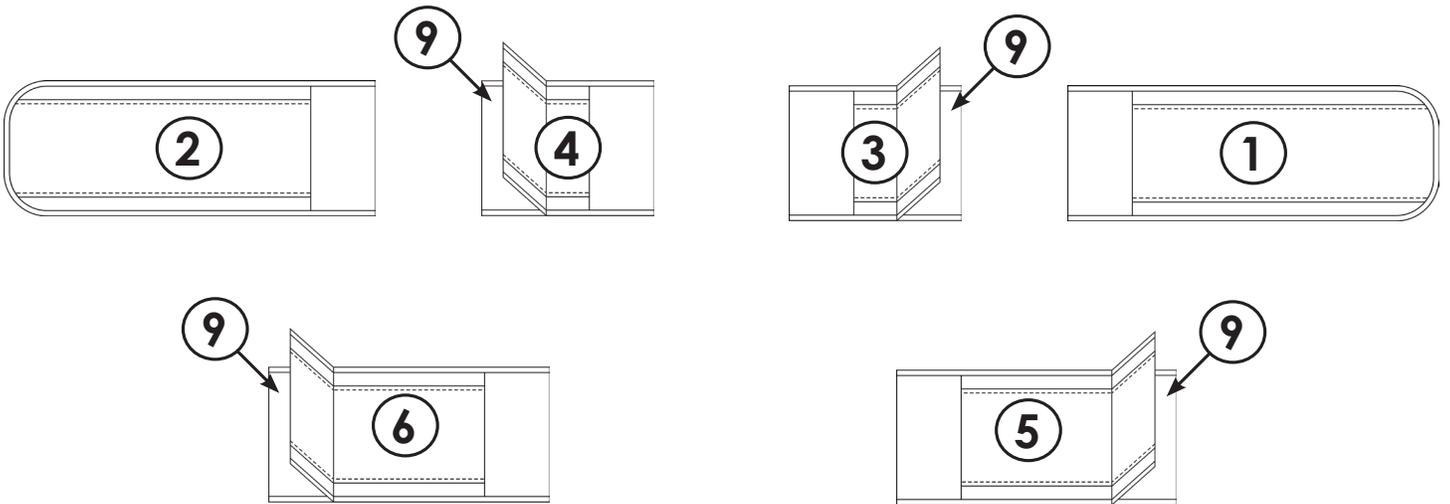
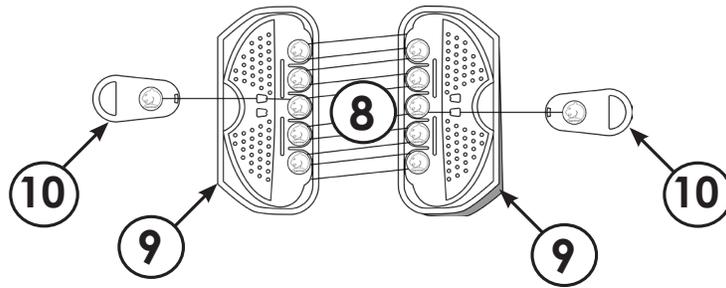
Part Key	Description	Comments
1	Right Main Belt	In any Build, the Main Belts are always the end components. The right Main Belt attaches to the top of the left Main Belt.
2	Left Main Belt	
3	Right Short Belt Segment	Each short belt segment adds 5" circumference to the Panther brace. Each pair adds 10".
4	Left Short Belt Segment	
5	Right Long Belt Segment	Each long belt segment adds 10" circumference to the Panther brace. Each pair adds 20".
6	Left Long Belt Segment	
7	Back Pouch	The Panther Back Pouch fits any Panther Build.
8	Power Unit	The MA=5 Power Unit includes pulleys, strings, & pull handles.
9	Gator Clip	Each belt segment has one; the Power Unit has two.
10	Pull Handles	Pull to tighten the Power Unit strings; wind to adjust string length.
11	Lateral Pouches	Attach to the belts by Velcro and contains plates.
12	Mickey	This posterior plate can be set to the desired height.
13	S.T.E.P	Adjustable-height Sternal Thoracic Extension Plate with quick-connect adjustable straps.

Panther TLSL Assembled View



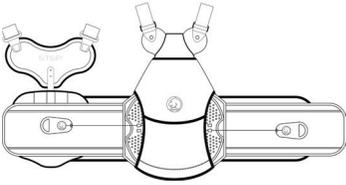
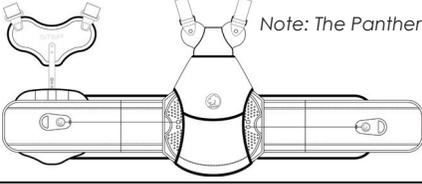
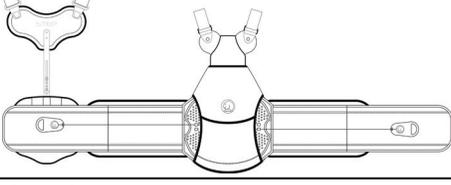
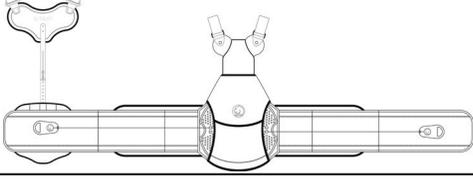
Panther TLSL in Build B

Panther TLSL Detailed Component View



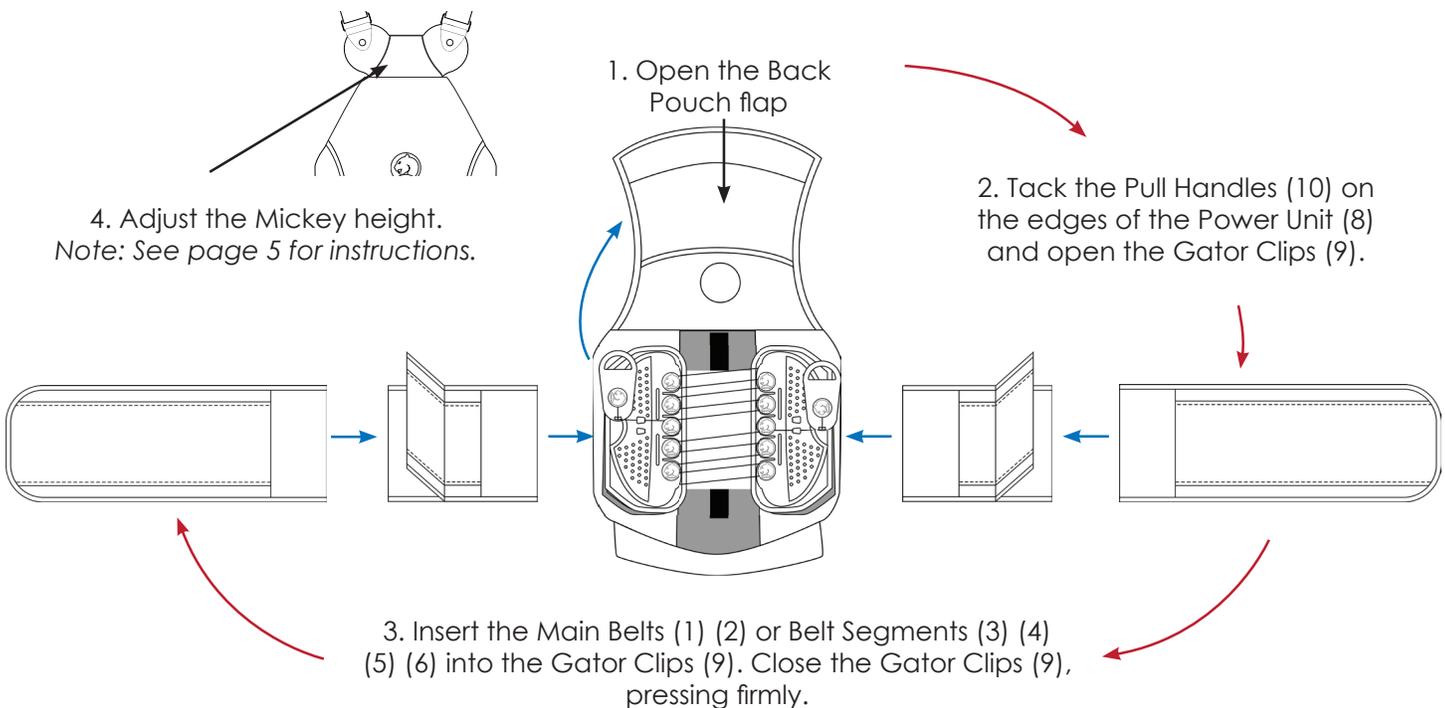
Panther TLSL in Build B

Panther TLSL Build Chart

Build	Range	Components	Brace Illustration
A	25" - 36"	(8) Power Unit (1&2) Main Belts (13) STEP	
B	35" - 46"	(8) Power Unit (1&2) Main Belts (3&4) Short Belt Segments (13) STEP	 <i>Note: The Panther is pre-assembled in Build B.</i>
C	45" - 56"	(8) Power Unit (1&2) Main Belts (5&6) Long Belt Segments (13) STEP	
D	55" - 66"	(8) Power Unit (1&2) Main Belts (3&4) Short Belt Segments (5&6) Long Belt Segments (13) STEP	

To find the correct build above, use the pants hip size for women and waist size for men.
Note: If the size range is between two Builds, choose the larger.

To create Panther Build, remove/attach belt segments



5. Install the Lateral Pouches (11) after sizing the brace.

6. Replace the Pull Handles (10) on the belt near the edges of the Power Unit (8), and extend the belt fully.

ADJUSTING THE PANTHER TLSL POSTERIOR HEIGHT

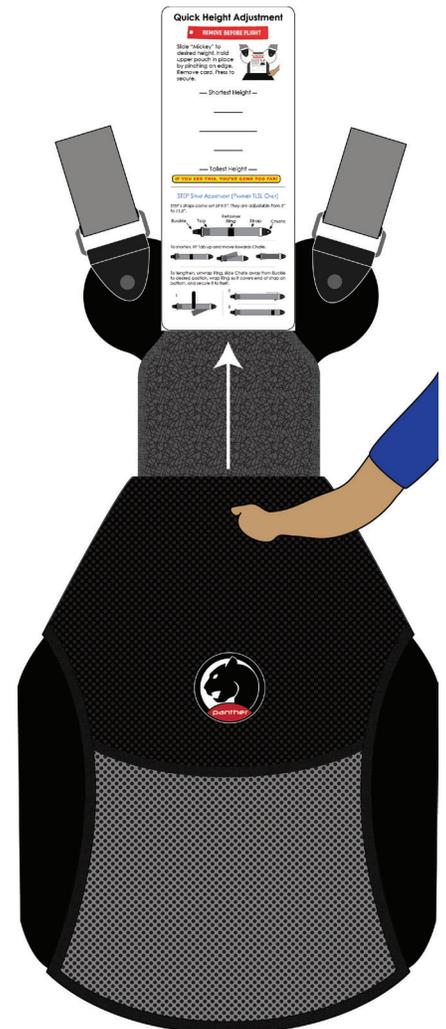
- 1 Slide the Mickey with the Height Adjustment Card up to the desired height.



- 2 Pinch an edge to hold the Mickey and the pouch in place, remove the card.



- 3 Press firmly on the center of the pouch to bond the hook & loop inside.



Note: To change the Mickey's height later, slide the card (or your hand) down to release the hook & loop bond, reset the height, and press firmly.

Fitting the Panther

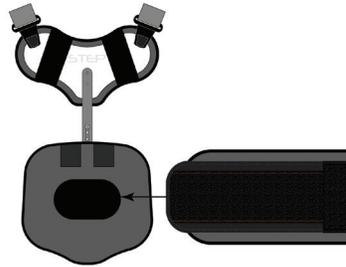
Wrap the Panther around the patient's waist and connect the shoulder straps to the STEP (13).

Attach the Lateral Pouches (11) so they do not interfere with the belt end placement or the STEP position when donning the brace.

Center the brace on the back and match the lumbar curve with the lordosis.



1



2

Using the Velcro oval on the STEP's Front Pouch as a guide, center the pouch vertically on the belt.

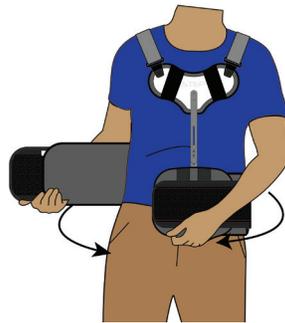
To adjust the STEP height and angle, see the included STEP Fitting Guide.

3

With the STEP attached, lay the Left Main Belt (2) over the Right Main Belt (1).

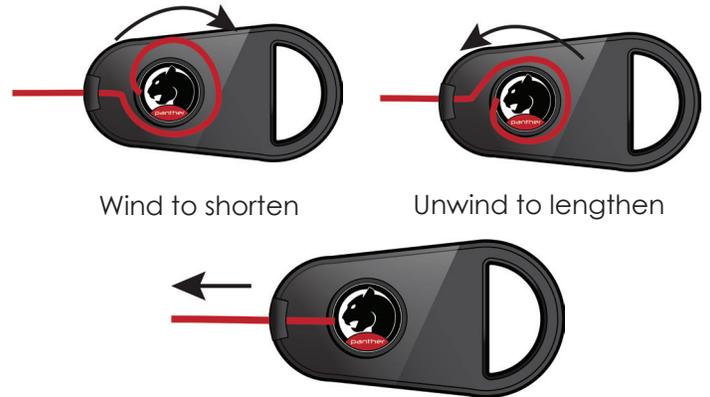
Pull the right and left pull handles (10) tight and tack them down in the front.

Verify that the STEP assembly is centered on the torso.



4

Adjust the String Lengths



Wind to shorten

Unwind to lengthen

Pull tight

To adjust the string length, create slack, snag the string with your fingernail, and wind or unwind to adjust the length.

Tighten all STEP screws before completing patient fitting.

Panther Fitting Tips

- For circumferences larger than 66", add belt segments left over from previous Panther fittings.
- Right and Left Belt Segments are normally used symmetrically, but this is not required.
- Right and left string lengths are normally the same, but they can be different if needed.

The patient should contact the prescribing physician or brace provider if experiencing pain or swelling while wearing this brace or if any part of this brace fails. Refer to the Instructions for Use for information on wearing and caring for the Panther brace.

ADJUSTING THE STEP I HEIGHT AND ANGLE

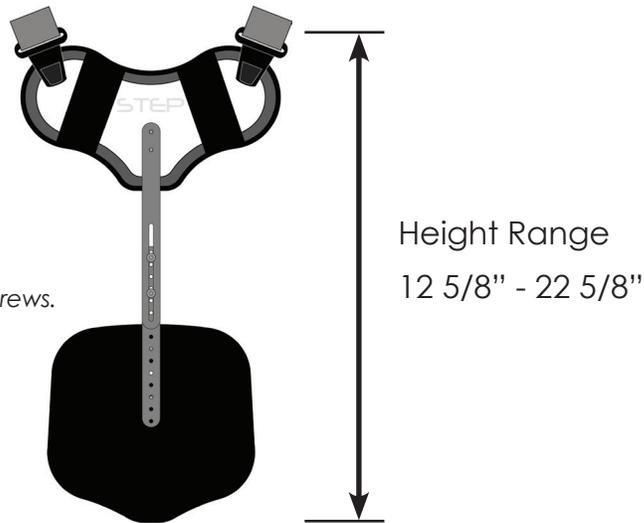
HEIGHT ADJUSTMENT

The height of the STEP I can be adjusted in two places:

- 1 The slide bar on top allows you to adjust the height by loosening the two screws with the included Allen wrench and sliding the bar.

Note: Loosen, but don't remove the screws.

- 2 The bottom bar placement can be adjusted on the front plate by removing the screws, adjusting the bar position, and replacing the screws in different holes.

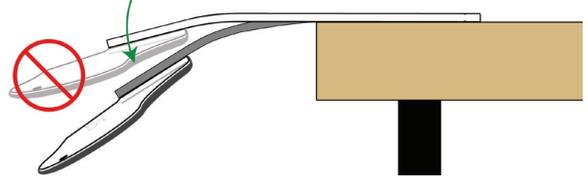


ANGLE ADJUSTMENT

- 1 Separate the step bars by removing the height adjustment screws.

Note: There's no need to separate the bars if you're bending where they are only one bar thick.

- 2 Using bending bars or bending over a hard flat surface, gently apply pressure on the bar.



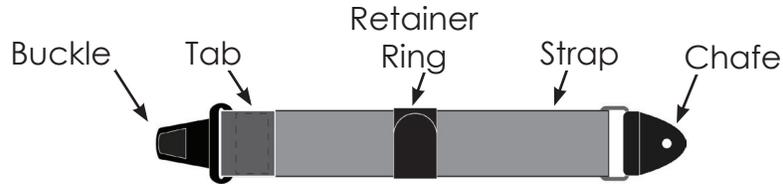
Note: For uniformity, when adjusting the angle, try not to initiate the bend in the same position as the preformed piece.

Caution: Do not attempt to bend the bar by pushing on the plastic sternal plate.

Note: Make sure to tighten all screws prior to releasing the brace to the patient.

ADJUSTING THE STEP SHOULDER STRAPS

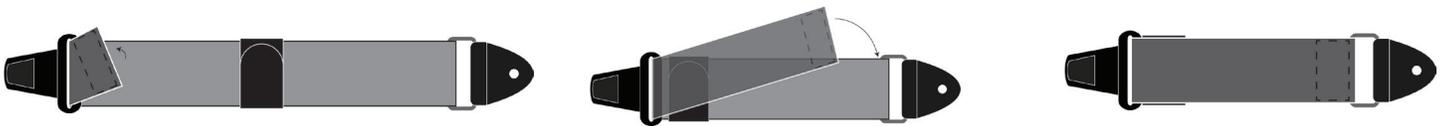
STEP SHOULDER STRAP COMPONENTS



Note: The STEP's straps come set at 9.5" long. They can be shortened to 5" or lengthened to 11.5".

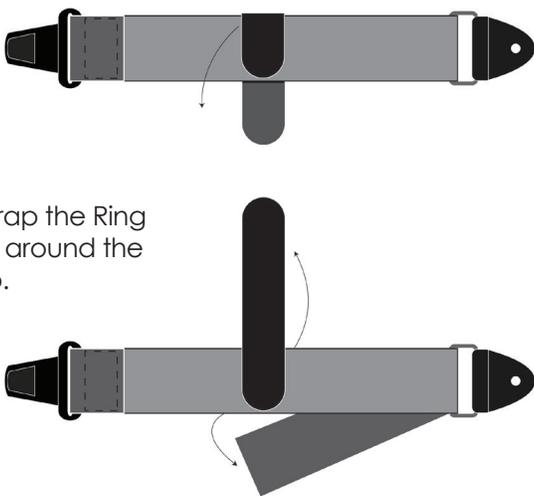
SHORTENING THE STEP SHOULDER STRAPS

Pry the Tab up and pull it towards the Chafe, then secure it to the strap.



LENGTHENING THE STEP SHOULDER STRAPS

1
Unwrap the Ring from around the strap.



2
Slide the Chafe away from the buckle.



3
Reposition the Ring so it will cover the end of the bottom strap. Then, wrap it around the top of the strap, securing it to itself.

