

Martingale Adjustable Collar

Limited-Slip Pet Collar Sewing Guide



Sizes: Small 10–14 in • Medium 14–18 in • Large 18–22 in

This guide will walk you through each step to sew a strong, adjustable limited-slip collar designed for comfort and control. The martingale design features a main loop with a tri-glide slider, two end rings, and a control loop with a center leash D-ring that tightens gently under leash pressure to help prevent slipping without choking your dog.



Thread



Scissors



1" Webbing

TOOLS, MATERIALS & FINISHED DESIGN

Martingale Adjustable Collar Sewing Guide

YOU'LL NEED

- 1.  1 in (25 mm) sturdy webbing for the main strap
- 2.  1 in (25 mm) webbing for the control loop
- 3.  2 large 1 in welded D-rings for the collar ends
- 4.  1 smaller leash D-ring for the center control loop
- 5.  1 in tri-glide slider
- 6.  Matching thread
- 7.  Sewing clips or pins
- 8.  Ruler or tape measure
- 9.  Lighter or heat tool
- 10.  Sewing machine and scissors

FINISHED DESIGN



SELLER TIP

Use welded hardware and sturdy webbing so the martingale collar stays smooth, strong, and ready to sell.



SIZE CHART & CUT LIST

Standard Selling Sizes for the Collar

Measurement	Small 10–14 in	Medium 14–18 in	Large 18–22 in
Neck fit range:	10–14 in	14–18 in	18–22 in
Main strap length:	18 in	22 in	26 in
Control loop length:	7 in	8 in	9 in
Main strap width:	1 in	1 in	1 in
Fixed ring fold-back:	1.5 in	1.5 in	1.5 in
Control-loop end folds:	1.5 in each end	1.5 in each end	1.5 in each end
Finished control loop:	about 4 in	about 5 in	about 6 in

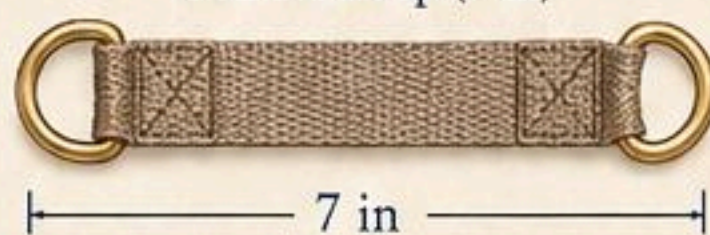
PATTERN PIECE DIAGRAMS

SMALL (10–14 in)

Main Strap (18 in)

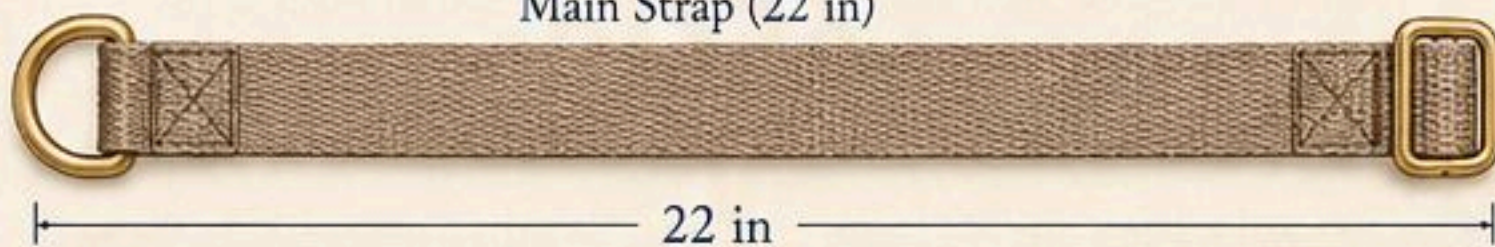


Control Loop (7 in)

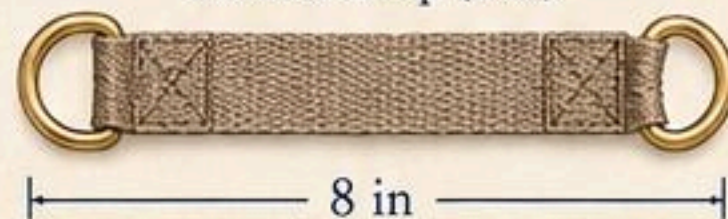


MEDIUM (14–18 in)

Main Strap (22 in)

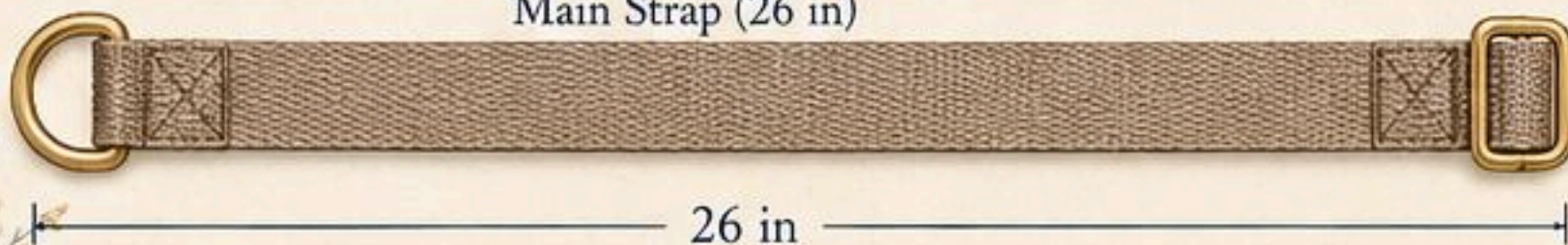


Control Loop (8 in)

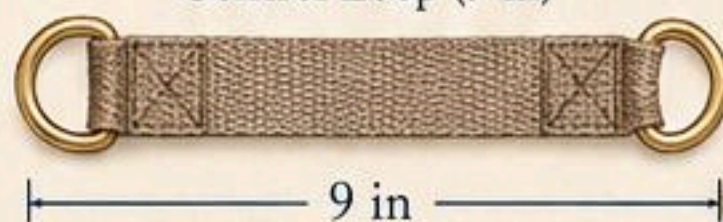


LARGE (18–22 in)

Main Strap (26 in)



Control Loop (9 in)



Cut one main strap and one control loop for each collar.



CUT & PREP THE WEBBING

Prepare both strap pieces before assembly

- 1 Cut one main strap using the length from the size chart on page 3.



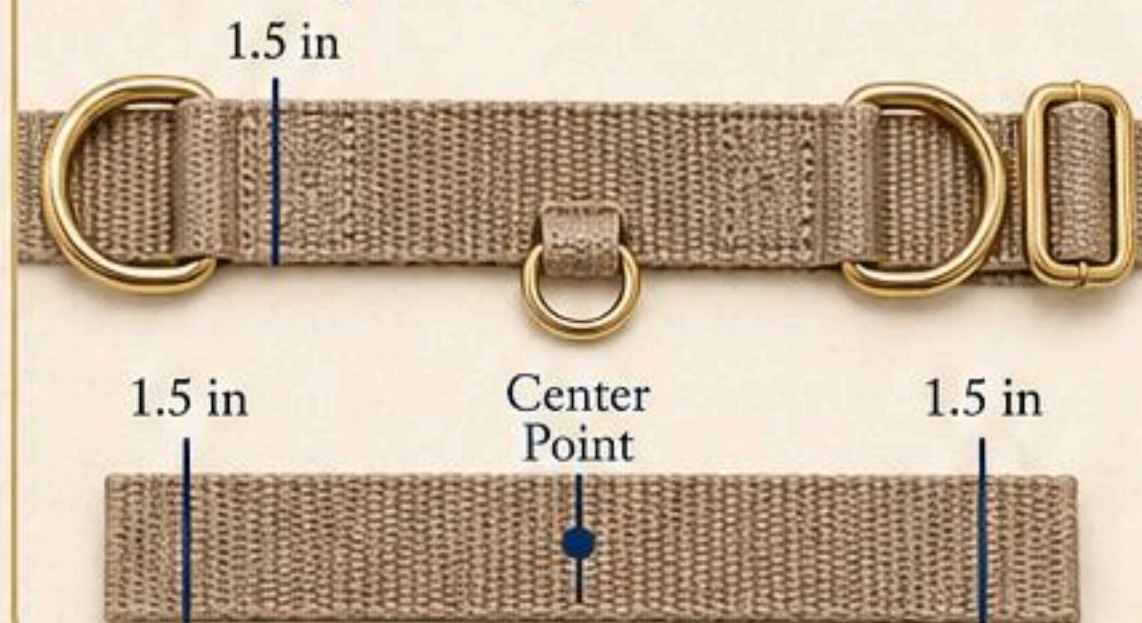
- 2 Cut one control-loop strap using the length from the size chart on page 3.



- 3 Lightly heat-seal all cut ends to prevent fraying.



- 4 Mark a 1.5 in fold line on the fixed-ring end of the main strap, and mark 1.5 in fold lines on both ends of the control-loop strap. Also mark the control-loop center point.



TIP

Accurate cuts, sealed ends, and clear fold marks make the collar easier to sew and more professional.

BUILD THE ADJUSTABLE MAIN LOOP

Add the tri-glide and both end rings

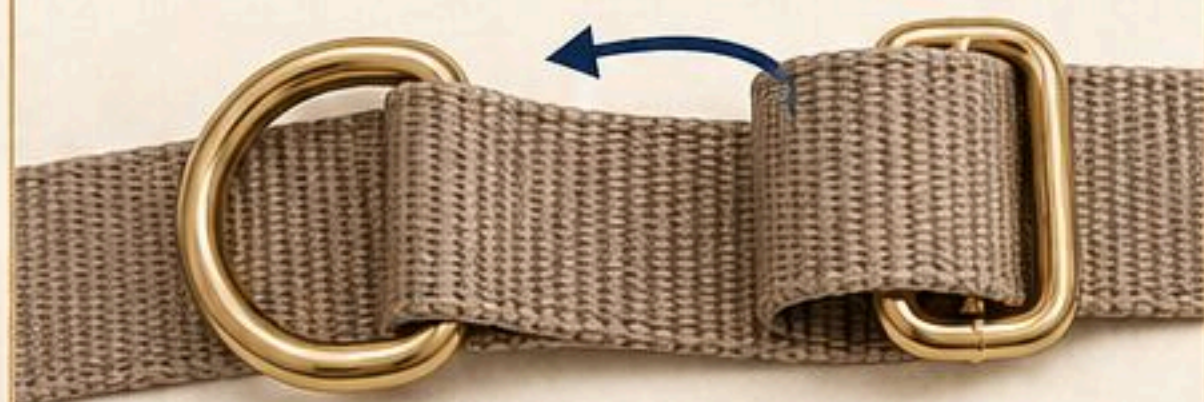
- 1 Slide the 1 in tri-glide slider onto one end of the main strap.



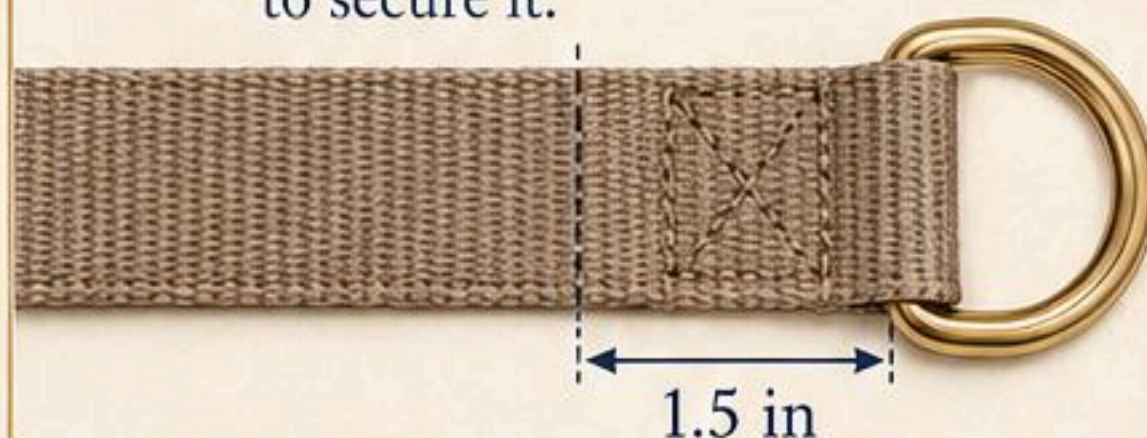
- 2 Pass that same strap end through one large end D-ring.



- 3 Thread the strap end back through the tri-glide correctly so this side becomes adjustable.



- 4 On the opposite end, slide on the second large end D-ring, fold the strap back 1.5 in, and sew a strong box-X stitch to secure it.



MAIN LOOP COMPLETED



SEW THE CONTROL LOOP

Build the limited-slip control section

1



Slide the center leash D-ring onto the control-loop strap and position it near the middle.

2



Pass one end of the control-loop strap through the first large end ring on the main loop and fold it back 1.5 in.

3



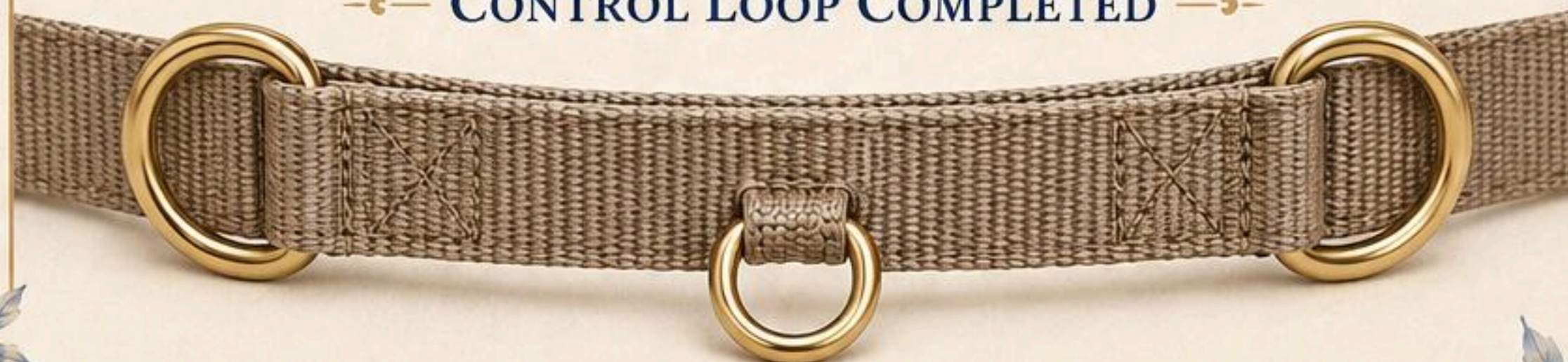
Pass the other control-loop end through the second large end ring and fold it back 1.5 in.

4



Stitch both folded ends securely so the control loop lies flat and the center leash D-ring stays centered between the two large end rings.

— **CONTROL LOOP COMPLETED** —

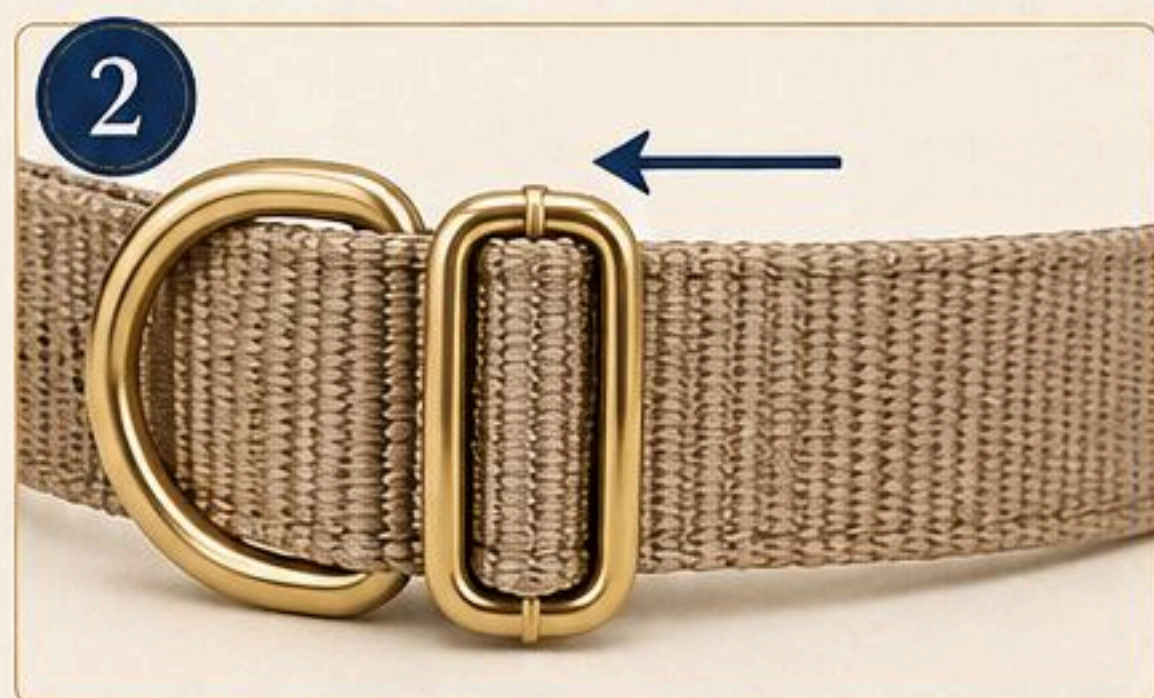


ADJUST THE MAIN LOOP

Set the collar size with the tri-glide



Pull the free adjustable section through the tri-glide to enlarge the main collar loop.



Pull it back the other way to shorten the main collar loop.



Keep both large end rings aligned so the control loop stays centered.



Check that the whole main loop lies flat with no twists.

ADJUSTABLE MAIN LOOP READY



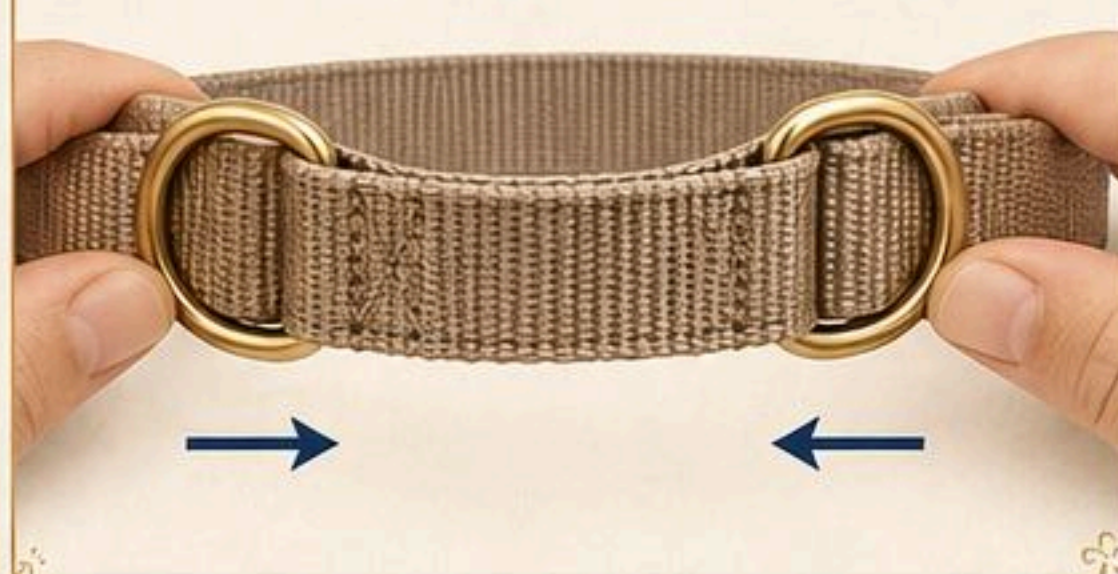
TEST THE MARTINGALE ACTION

Check the limited-slip tightening movement

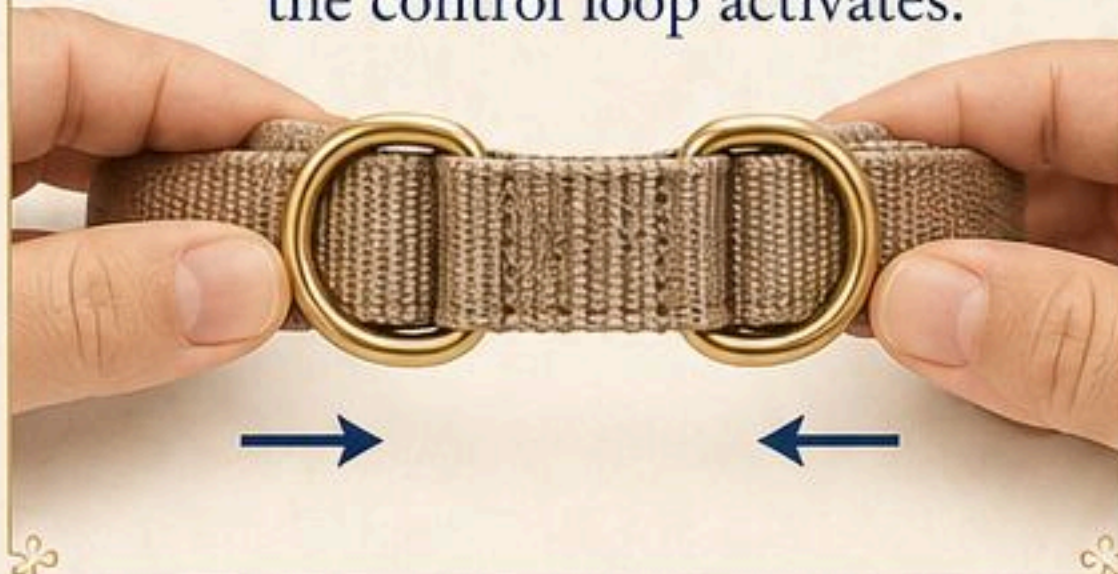
- 1 Hold the collar by the main loop and pull down on the center leash D-ring.



- 2 Show the two large end rings moving closer together.



- 3 Show the main loop tightening evenly as the control loop activates.



- 4 Release the tension and show the collar opening smoothly again.



LIMITED-SLIP ACTION COMPLETED



The collar should tighten gently under tension and relax again when the pull is released.

FINISH THE COLLAR

Do the final cleanup and inspection

- 1 Trim loose threads at every stitched area.



- 2 Inspect the box-X and straight stitches on the fixed ring end and both control-loop ends.



- 3 Smooth any rough sealed edges and wipe the hardware clean.



- 4 Lay the collar flat and check that the control loop, main loop, and slider all move properly.



FINISHED COLLAR



A finished martingale collar should look neat, move smoothly, and feel strong enough for sale.



CHECK THE SIZES & QUALITY CHECK

Final Summary



1. Small —
adjusts 10–14 in



2. Medium —
adjusts 14–18 in



3. Large —
adjusts 18–22 in

FINISHED SELLING SIZES

Size	Neck fit	Main strap	Control loop
Small	10–14 in	18 in	7 in
Medium	14–18 in	22 in	8 in
Large	18–22 in	26 in	9 in

QUALITY CHECKLIST

- stitches are straight
- end rings are secure
- center leash D-ring is centered
- tri-glide adjusts smoothly
- collar tightens and releases properly
- no fraying visible

CARE INSTRUCTIONS

- spot clean with mild soap and water
- air dry flat
- do not bleach
- check stitching regularly

SELLER NOTE

List the neck fit range, collar width, webbing material, and hardware finish in your product description. Because martingale collars slip over the head, also confirm the relaxed opening is practical for the intended size before selling.

