



SYSTEM GUIDE

L9

HORIZONTAL LIFELINE SYSTEM

Components / Layouts / Installation



Toocow Automation Equipment Co., Ltd

www.toocow.cn

ENGLISH EDITION

L9 OVERVIEW

A connected system.

A coordinated range of anchors, cable components and connection hardware.



3-15 m

SPAN RANGE

8 mm

WIRE ROPE DIAMETER

7 x 19

WIRE ROPE CONSTRUCTION

03-04

Components

05-06

System layouts

07-09

Base plates & brackets

10-13

Terminations & tensioning

14-15

Glider & system check

PRODUCT INDEX

Core components


L5FL12

Terminal bracket


L5FL30

Intermediate bracket


L9FL31

Turn bracket


L9FL17

Base plate


L5FL29H

Energy absorber


L6FL09

Jaw-jaw turnbuckle


L9FL23

Integrated clamp


L9FL24

Thimble clamp


L9FL25

Glider stopper


L5FL04

7 x 19 / 8 mm wire rope


L5FL20

Glider


L5FL25

Informative plate

PRODUCT INDEX

Optional components



L5FL15 Crimping termination



L5FL18 Swaged termination



L6FL10 Swaged fork terminal



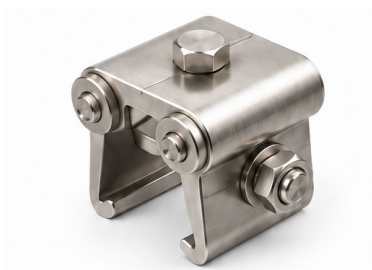
L5FL32 Cable clamp



L5FL24 Wire rope connector



L7UF5 Standing seam clamp



L7UFS Klip-lok clamp



L7BA26 Standing seam clamp

OPTIONAL COMPONENTS

Not tested and validated by QUINTIN CERTIFICATION.

SYSTEM LAYOUTS

Straight system



3 m

MINIMUM SPAN

15 m

MAXIMUM SPAN

- L5FL12** Terminal bracket
- L5FL29H** Energy absorber
- L6FL09** Jaw-jaw turnbuckle
- L9FL23** Integrated clamp
- L9FL25** Glider stopper

- L5FL30** Intermediate bracket
- L5FL20** Glider
- L9FL24** Thimble clamp
- L9FL17** Base plate

SYSTEM LAYOUTS

Turn system



3 m

MINIMUM SPAN

15 m

MAXIMUM SPAN

- L5FL12** Terminal bracket
- L5FL29H** Energy absorber
- L6FL09** Jaw-jaw turnbuckle
- L9FL23** Integrated clamp
- L9FL25** Glider stopper

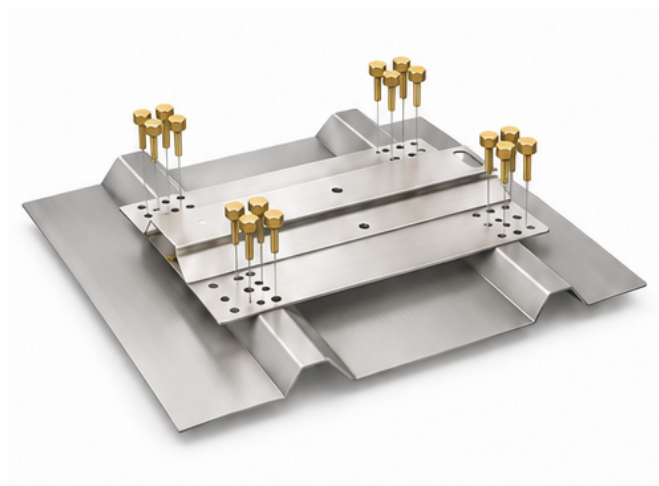
- L5FL30** Intermediate bracket
- L5FL20** Glider
- L9FL24** Thimble clamp
- L9FL17** Base plate
- L9FL31** Turn bracket

BASE PLATE / L9FL17

Roof fastenings

Screw fixing

x16



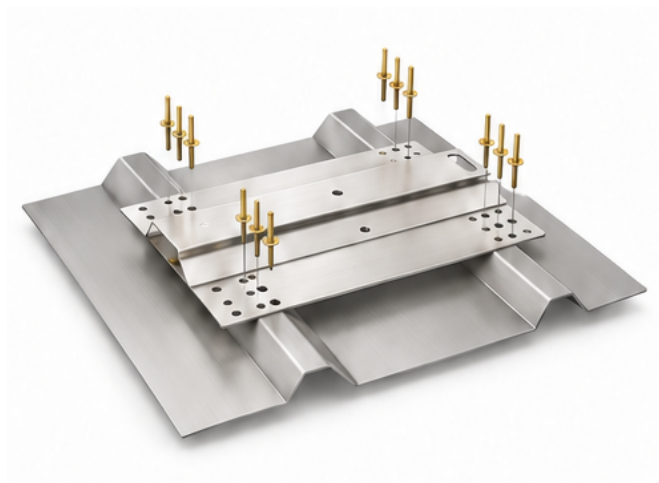
POSITION



SECURE

Rivet fixing

x12



POSITION



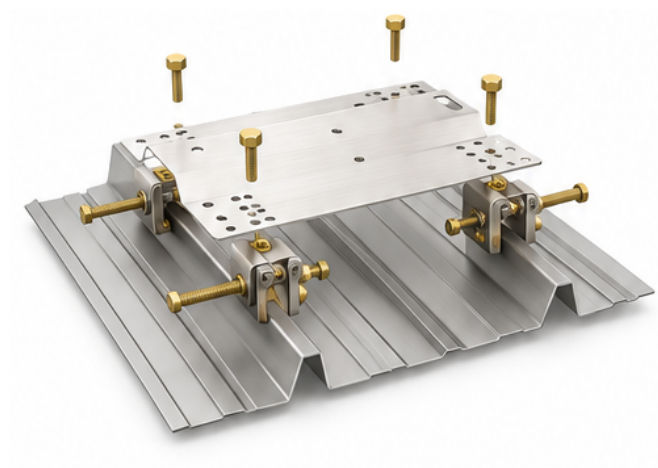
SECURE

BASE PLATE / L9FL17

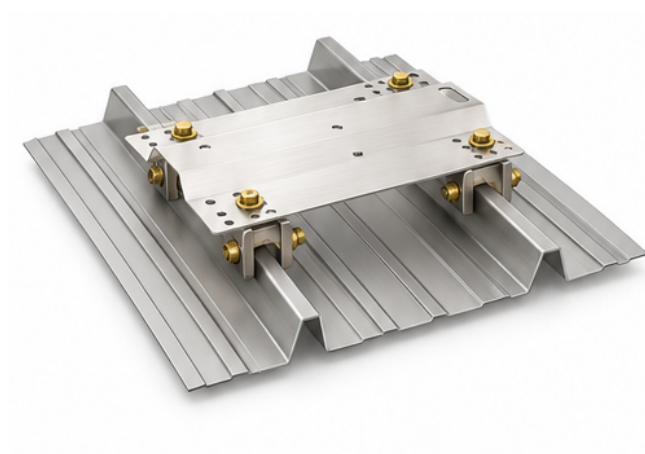
Clamp mountings

Standing seam clamps

x4



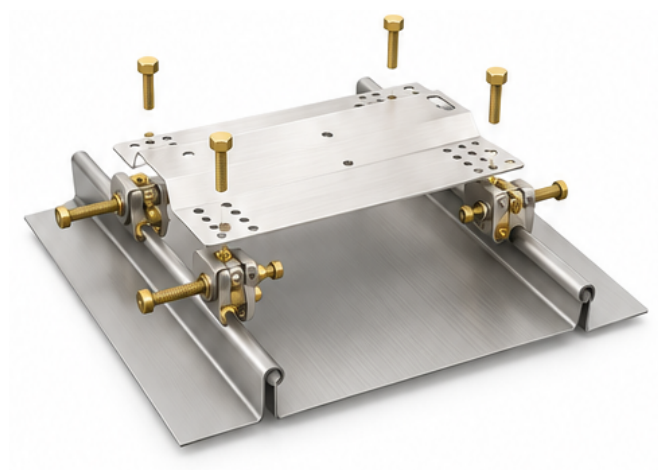
POSITION



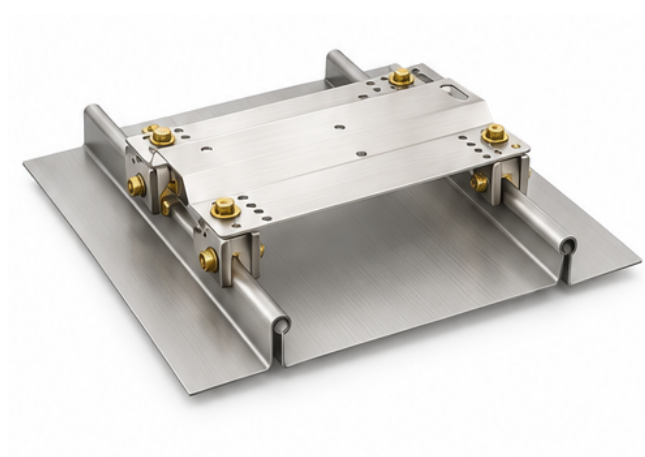
SECURE

Klip-lok clamps

x4



POSITION



SECURE

TERMINAL / INTERMEDIATE / TURN

Bracket installation

L5FL12

Terminal bracket

40 N·m



01 / POSITION



02 / TIGHTEN



03 / INSTALLED

L5FL30

Intermediate bracket

40 N·m



01 / POSITION



02 / TIGHTEN



03 / INSTALLED

L9FL31

Turn bracket

40 N·m



01 / POSITION



02 / TIGHTEN



03 / INSTALLED

CABLE TERMINATION / L9FL24

Thimble clamp



01 Prepare cable and thimble



02 Form the cable eye



03 Position the clamp housing



04 Fit pins and retaining rings



05 Position the cable end cap



06 Complete the termination

CRIMPING TERMINATION / L9FL23

Integrated clamp



01 Prepare the lower clamp



02 Route cable around the eye



03 Position the cover



04 Insert both fixing screws



05 Tighten both screws



06 Complete the termination

TIGHTENING TORQUE

15 N·m

CONNECTION / L5FL29H

Energy absorber

01

Connect

Align the pin through the absorber fork and terminal bracket.



02

Secure

Fit the retaining ring and complete the connection.



TENSIONING / L6FL09

Jaw-jaw turnbuckle



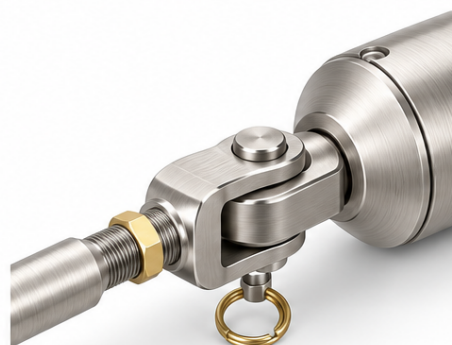
01 Fit the pins and retaining rings



02 Adjust the turnbuckle body



03 Check threaded connections



04 Check the preload



05 Secure the locknuts



06 Complete the assembly

PRELOAD

$< 1 \text{ kN}$

GLIDER / L5FL20

Glider engagement



01 PRESS DOWN



02 PUSH UP



03 POSITION THE CABLE



04 ENGAGE THE CABLE

CABLE PROFILE

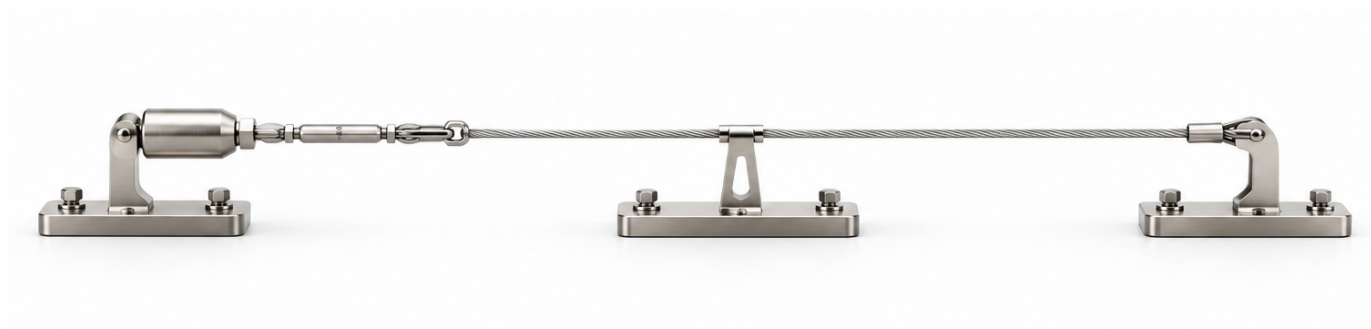
System check

CORRECT



Cable profile as illustrated: visible sag between supports.

INCORRECT



Do not reproduce the over-taut cable profile shown here.

TURNBUCKLE PRELOAD

< 1 kN



Let's connect.



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