

STRIP-LOK™

SHEET METAL JOINER

A STRIP TEAR ON A COIL PROCESSING LINE DOESN'T JUST COST THE COMPANY TIME AND MONEY. IT'S A MAJOR HEADACHE FOR THE PRODUCTION CREW WHOSE JOB IT IS TO REPAIR THE DAMAGE.

NOW THERE'S A SOLUTION - THE STRIP-LOK™ JOINER

General Description

The **STRIP-LOK™** Sheet Metal Joiner is a portable strip-joining machine driven by compressed air. The main use for **STRIP-LOK™** joiners is repairing strip tear off situations on modern steel strip processing lines such as continuous galvanizing and paint coil coating lines. Two models are available to suit most production facilities. This is the best advance in economical efficient and effective strip joining equipment in over three decades. Already used by major around the globe, the **STRIP-LOK™** Sheet Metal Joiner is highly appreciated and valued.

Repeatable, strong connections can be achieved with a total sheet thickness up to 1.8mm (0.07").

Operation is very clean and quiet as the **STRIP-LOK™** Joiner does not require any consumables other than the two pieces of strip to be joined and no blank is produced.

Joint Strength

The strength of each joint depends upon the gauge and properties of the metal being connected. As a general rule, 20 punches on each side of .4mm soft iron sheets provide a tensile force of approximately 25kN (5620 lbf).

If joining two sheets of different thicknesses, always place the thicker material on the underside.

Note: A light application of lubricant on the sheets being joined or on the punch will facilitate operation when joining thick sheets near the joiners upper capacity.

Principles of Operation

The joint is achieved by mechanically punching a square hole through the sheets to be joined and folding the flared strip back onto itself.

Apart from requiring an external compressed air source the **STRIP-LOK™** Joiner is fully self contained. The **STRIP-LOK™** Joiner is activated as soon as the trigger is pressed and an automatic cycle of punching and flattening the two layers of metal strip will then commence. The joining cycle will immediately stop as soon as the trigger is released.



**Long-Reach Heavy Gauge
STRIP-LOK™ Joiner**

Warranty Information

STRIP-LOK™ Sheet Metal Joiners are manufactured using only the highest quality materials and workmanship. The light weight housing is manufactured using a high strength grade aluminum alloy and the punch and die are manufactured using high strength tool steel which is hardened and heat treated prior to assembly. The joiners are fully bench tested in the factory prior to shipping.

A six months warranty from the date of purchase to the original owner is provided covering workmanship and materials of construction. The warranty does not cover miss-use. The supplier or manufacturer may decide at their discretion to repair or replace faulty equipment. A charge will be applied covering repairs to equipment damaged through miss-use, including damage resulting from the use of contaminated compressed air.

**A SIMPLE, FAST AND EFFECTIVE SOLUTION
TO STRIP TEAR-OFFS ON COIL PROCESSING LINES**



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Long-Reach Heavy Gauge STRIP-LOK™ Joiner



Designed for wide strip, the LRHG Model has a reach of 300mm from the strip edge. It is not necessary to have individual joints across the entire width of the strip. Considerable stability is created in a joint of two overlapping sheets via a reasonable overlap region in the order of 700mm or more. This unit can be used to join strip widths up to 1500mm.

Heavy Gauge STRIP-LOK™ Joiner



This unit is capable of joining two layers of 0.9 mm thick soft iron. Strip tear-off at heavier gauges becomes relatively un-common. This unit is as compact as the General purpose STRIP-LOK™ Joiner.

Strip Thickness, Capabilities & Specifications

Air Supply

Air supply pressure should be between 600kPa and 760kPa (85 – 110 PSI), filtered, dry and lubricated. A supply pressure of 700kPa (100 PSI) is recommended to obtain the capacities as listed below.

Metal Limits

As the supply air pressure increases, so too does the capacity of the STRIP-LOK™ Joiner to join thicker sheets. As a general rule the following specifications apply for the four models:

	Heavy Gauge	Long-Reach Heavy Gauge
Air Pressure, kPa (PSI)	600 - 760 (85-110)	600 - 760 (85-110)
Weight, kg (lb.)	14.8 (32.6)	14.5 (32)
Dimensions, mm (in)		
L	345 (13.58)	476 (18.74)
W	175 (6.88)	175 (6.88)
H	368 (14.48)	320 (12.59)
Throat Depth, mm (in)	185 (7.28)	300 (11.8)
Throat Opening, mm (in)	8 (.315)	8 (.315)
Maximum Strip Thickness mm (in) @ 700kPa (100 PSI)	Soft Iron 2 @ .9mm (.035) Hard Iron 2 @ .7mm (.028)	Soft Iron 2 @ .9mm (.035) Hard Iron 2 @ .7mm (.028)