

Magnetic Angle Fixtures and Hand Lifters

Processes

Stick, Plasma Cutting, MIG, Flux-Cored, TIG

Product Number

K3309-1 Multi Angle
K3310-1 Pivot Angle
K3311-1 Manual Hand Lifter
K3312-1 Electric Hand Lifter
K3318-1 Mini Multi Angle

Work Angles

Multi Angle: 45°, 60°, 75°, 90°, 105°, 120°, 135°

Pivot Angle: Range from 22° to 270°

Mini Multi Angle: 45°, 60°, 75°, 90°, 105°, 120°, 135°

Hand Lifters

Manual Hand Lifter:
Safe working load 60 lbs (27 kg)

Electric Hand Lifter:
Safe working load 60 lbs (27 kg)

Magnet Power

See back

Weight

See back

Dimensions

See back

Metalworking Angle and Lifting Devices with On/Off Magnetic Fields.

Lincoln Electric magnetic fixturing tools can be used to position steel for tacking or lifting sheet steel at the work table. Make your workplace safe by minimizing hand contact with hot or sharp-edged steel.

FEATURES

- ▶ **Three Angle Fixture Models** – Each intended for different material thicknesses or applications.
- ▶ **Easy operation** – A 1/2 turn of the knob turns the magnet completely on or off for precise part positioning, part removal, or tool cleaning.
- ▶ **Quick set-up** – Easy to use and sets up in seconds.
- ▶ **Compact and lightweight** – Great for tight spaces.
- ▶ **Multi-angle surface** – Makes it easy to position on flat or round stock.

APPLICATIONS

- ▶ Welding
- ▶ Cutting
- ▶ Grinding



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YEAR WARRANTY
PARTS AND LABOR
AÑOS DE GARANTÍA
PARTES Y MANO DE OBRA
ANS DE GARANTIE
PIÈCES ET MAIN D'OEUVRE

FIXTURES



Multi Angle K3309-1

- Clever dual function- a workholding angle tool and a quick connect/disconnect magnetic vise.
- Designed for small steel part fabrication including cutting, grinding, drilling and sanding.
- No batteries or electricity required.



Pivot Angle K3310-1

- Axis magnets mounted on pivot arms have one work surface on each side, enabling the tool to secure to a table or wall while simultaneously holding the work piece.
- Single lock on elbow for fast securing of the angle.
- Designed for repetitive work at uncommon angles.
- No batteries or electricity required.



Mini Multi Angle K3318-1

- Secures material at multiple angles.
- Designed for small steel parts.
- Pipe notch for use on round stock.
- No batteries or electricity required.

HAND LIFTERS



Manual Hand Lifter K3311-1

- The handle has fixed or pivoting positions, allowing use as a hand lifter or a sheet dragger.
- Designed for small steel part lifting and sheet dragging.
- Faster work with fewer injuries.
- No batteries or electricity required.



Electric Hand Lifter K3312-1

- Cordless electric hand lifter.
- Safety feature: battery power "on" light, blinking light if battery needs recharging.
- Designed for small steel part handling and removing parts from burn tables.
- Internal 4 volt rechargeable battery and charger included.
- Push button battery power operation for ease of use.
- Easily positioned on flat or round stock.

PRODUCT SPECIFICATIONS

Product Name	Product Number	Work Angles	Magnetic Force lbs. (kg)	H x W x D inches (mm)	Net Weight lbs. (kg)
Multi Angle Fixture	K3309-1	45°, 60°, 75°, 90°, 105°, 120°, 135°	400 (181) ⁽²⁾	3.7 x 2.5 x 5.0 (95 x 65 x 129)	2.6 (1.2)
Pivot Angle Fixture	K3310-1	Range from 22° to 270°	200 (90) ⁽¹⁾	9.4 x 3.5 x 9.4 (240 x 91 x 240)	3.0 (1.4)
Mini Multi Angle Fixture	K3318-1	45°, 60°, 75°, 90°, 105°, 120°, 135°	80 (36) ⁽²⁾	2.1 x 1.2 x 2.13 (55 x 32 x 59)	0.4 (0.2)
Manual Hand Lifter	K3311-1	N/A	60 (27) hold on 3/16 in. thick steel or above	5.5 x 4.7 x 2.3 (140 x 120 x 60)	0.6 (0.27)
Electric Hand Lifter	K3312-1	N/A	60 (27)	8.2 x 6.7 x 2.9 (209 x 173 x 75)	2.0 (0.9)

⁽¹⁾ Hold capability on the bottom. Side hold will be less.

⁽²⁾ Hold varies depending on thickness of material and angle being used.

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