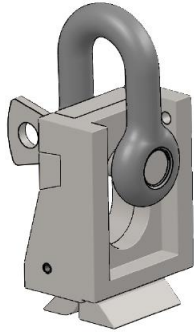


## Steel Plate Lifter (FOR STRAIGHT LIFT ONLY)

### 1.0 General Information of the Steel Plate Lifter



The steel plate lifters are not to be used for side pull or push. If the tools are dragged or pushed to the side or along the ground while in a steel trench plate stress will develop on the ankle part of the tool causing foot breakage and/or the centre plate to become pinched. If a tool is abused in this fashion, tool life will be shortened and the working load limit for the tool will be unknown.

### 2.0 Specifications

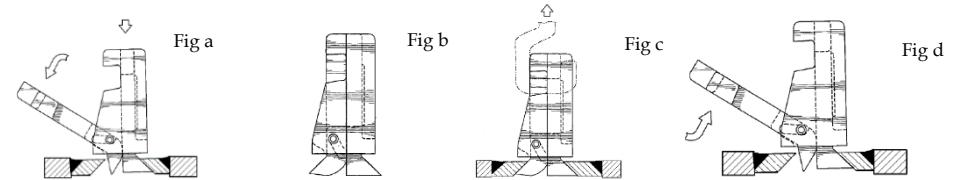
Length (mm)	Width (mm)	Height (mm)	Unladen weight (kg)	Safe working load (kg)	Minimum safety factor
83	57	121	2.09	3600	5:1

### 3.0 Safety Information & Pre-Checks for Steel Plate Lifter

- A risk assessment must also be carried out before any use.
- PPE (hard hat, safety gloves and boots) must be worn as per site specific risk assessment findings.
- Check the weld in plate for any sign of damage, crack welds and security concern.
- Check the steel plate lifter for any sign of wear, damage, distortion or security concern. Inspect heel pin for any sign of damage and security concern.
- Inspect the device for any foreign debris that may prevent smooth operation.
- Ensure that the device has a valid Report of Thorough Examination.

### 4.0 Instruction in using the Steel Plate Lifter with Marwood Road Plate

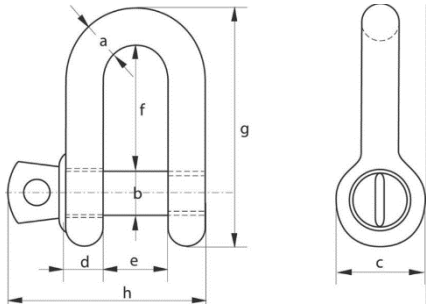
The Steel Plate Lifter is designed to be used with either a shackle or a hook and must be inserted in to weld plate. See below for pictorial instructions on how to insert this tool in to the weld in plate.



1. Always use appropriate PPE as per the site-specific risk assessment.
2. The steel plate lifter must only be used with Marwood Road Plates or with Marwoods Airside Road Plates fitted with the centre lift plate. The heaviest Marwood road plate is approx. 910kg.
3. Open the swivelling section fig b. This allows the jaw on the underside to narrow and drop into the centrally mounted hole in the load unit. Fig c.
4. Once it is positioned in the hole, close the swivels. This opens the jaws and positively locks the steel plate lifter into the load (road plate) fig d. It will remain locked until the swivels are opened again.
5. The steel plate lifter is now ready to be connected to a suitable lifting device.
6. Load units can now be lifted and positioned safely and efficiently. All load units must only be lifted vertically. No diagonal, side or lateral lifts.

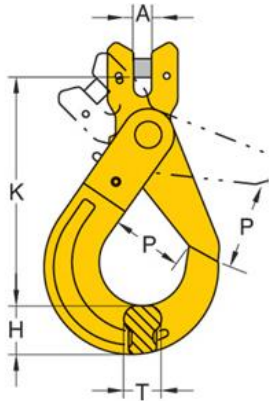
**Note:** If using a shackle instead of a hook with this tool, use a chain shackle to avoid any possible slippage or bending of the tool if the trench plate jumps. Also, remember when using a hook, it is holding the tool closed and should be sized to ensure that the tool is held tightly shut.

**4.1 Shackle Recommendation**



working load limit	diameter bow	diameter pin	diameter eye	width eye	width inside	length inside	length	length bolt	weight each
t	a	b	c	d	e	f	g	h	kg
6.5	22	25	52	22	36	73	134	119	1.34
8.5	25	28	59	25	43	85	154	137	2.08

**4.2 Hook Recommendation**



Chain Size mm	A mm	H mm	K mm	P mm	T mm	WLL tonnes	Mass Kg
13	14	39	179	52	30	5.30	2.90

**4.3 Chain Recommendation**



Marwood also recommends using 1MTR X 13MM 5.3T SINGLE LEG DROP CHAIN

**5.0 Maintenance**

After use, steel plate lifter must be kept in a dry, safe and clean place.

**Marwood Group Ltd does not provide any data on loading and deflection the road plate can take and withstand.**

**It is the customer's responsibility to ensure the stability of this product, especially to support the load when bridging a void. If in doubt, customers must contact their structural engineers before hiring/buying the plate.**

**It is the end user's responsibility to make sure the Steel Plate Lifters are suitable for their intended use.**

**Contact your local Marwood Group Depot, for further information or any queries regarding the equipment**