

**Description:**

Timars HCL Container Lift Spreader is a solid rectangular shaped frame type spreader for handling ISO containers. The spreader is designed for extremely rough conditions.

The HCL LOW LIFT Spreader is designed so that the distance between the top of the container and pressure point in the master link is only 2,400 mm (94-1/2").

The locking system is automatic, but it can also be manually operated. It operates on the "lift and gravity" principle, which means that the locking and unlocking of twistlocks is made by lowering and lifting of the spreader. It is equipped with three guidearms that help the operator to get into the correct position on the container fast and safe.

Maintenance and down time for service is extremely low due to the rugged by uncomplicated mechanical locking system.



**Body:**

Approved by DNV (Det Norske Veritas). The spreader is in conformity with the following standards and normative documents:

- Directive 2006/42/EG (machinery), annex 2.
- CE-labeled.
- ILO (same as CG3) certificate with -40° operational temperature.

**Paint specification:**

After degreasing and abrasive blasting to Sa 2.5, we apply 80um Epoxi primer and 40um polyurethan top coat. The standard color is RAL 1028 yellow.

**Wire sling:**

Galvanized steel wire with certificate in accordance with SS-7655104. Each sling set consists of two 2-leg slings each with a 50 M.Ton oblong master link (300x200x50 mm) and thimbles in each end.

Technical Information:		
<b>Length:</b>	20'	6,052 mm
	30'	9,118 mm
	40'	12,185 mm
<b>Width:</b>	2,430 mm	
<b>Height:</b>	Excluding 150 mm Twistlocks:	
	HCL: 400 mm	
	HCL 40' LOW LIFT: 610 mm	
<b>Weight Excluding Wire Slings:</b>		
	20'	1,700 kg / 3,748 LBS
	30'	2,000 kg / 4,409 LBS
	40'	2,300 kg / 5,070 LBS
<b>SWL:</b>	STD	ALT (Different Wire Slings)
	20'	35 MT 40 MT
	30'	33 MT 40 MT
	40'	33 MT 40 MT

**Locking sequence:**  
*Automatic*

The locking system works on the gravity and lift principle. Twistlocks are inside each corner and when the main sling is tensioned the vertical control chain that is attached to the main sling is activating the mechanism. When the mechanism is activated it will alter the status of the twistlocks via a linked rod system from open to locked or vice versa.



**Manual**  
*(Locked / Unlocked)*

There are two handles for manual operation on one of the long sides. The status is visible on each short side of the frame.

**Lower lifting points:**

To handle overheight containers, the spreader is equipped with shackle points at each corner for 12 M. Ton chain type shackles.

**Guide arms:**

The spreader is equipped with spring-loaded guide arms. Two on one longside and one on one end. The guides make it easier for the operator to locate the right position of the spreader above the container. When they are used, they are in a 45° angle downwards and when not in use, they are stored horizontally on top of the frame.



**Options:**

The spreader can be equipped with forklift pockets for moving the spreader with a forklift.

**Documentation:**

Three complete sets per spreader of manuals for maintenance, operating and spare parts in English or other languages. Certificates are issued in English. Test certificate from Inspecta after performed frame strength test. Other surveyor company proposed separately on request.

**Other certificates:**

Timars Svets & Smide AB is ISO9001:2000 and ISO 14001:2004 certified and all welders have EN licenses.

**Origin:**

Manufactured in Sweden.

Part Number:	Size:	SWL	Tare Weight:
6102-7849-35T	20'	35 M. Ton	1,700 Kg / 3,748 LBS
6102-7849-40T	20'	40 M. Ton	1,700 Kg / 3,748 LBS
6102-7849-40T-LL	20' Low	40 M. Ton	1,700 Kg / 3,748 LBS
6102-7850-35T	30'	35 M. Ton	2,000 Kg / 4,409 LBS
6102-7850-40T	30'	40 M. Ton	2,000 Kg / 4,409 LBS
6102-7851-35T	40'	35 M. Ton	2,300 Kg / 5,070 LBS
6102-7851-40T	40'	40 M. Ton	2,300 Kg / 5,070 LBS
6102-7851-40T-LL	40' Low	40 M. Ton	2,500 Kg / 5,512 LBS