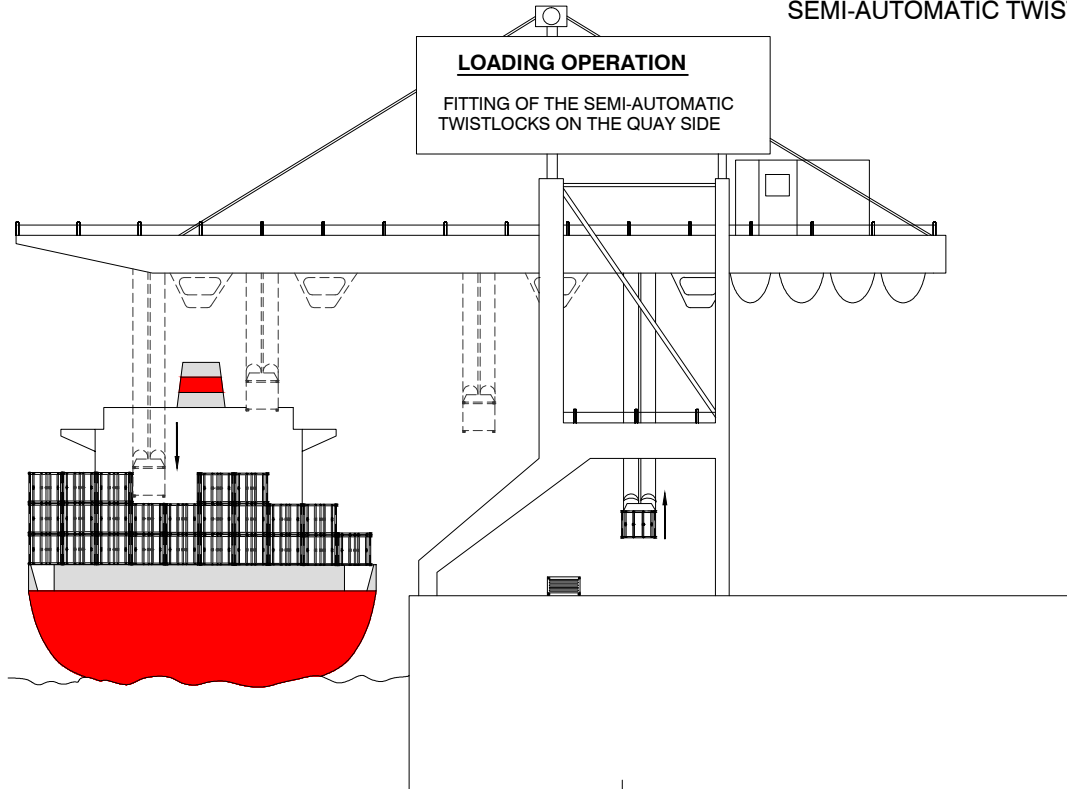
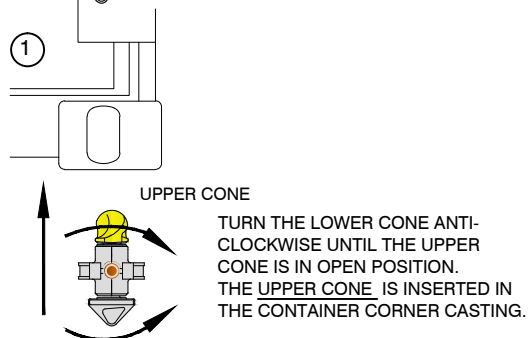
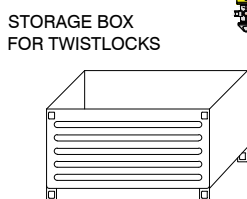
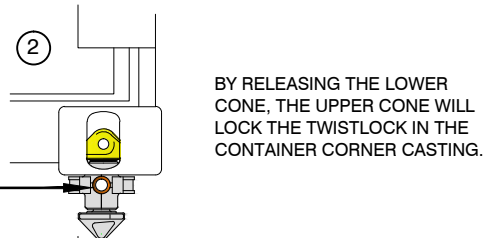
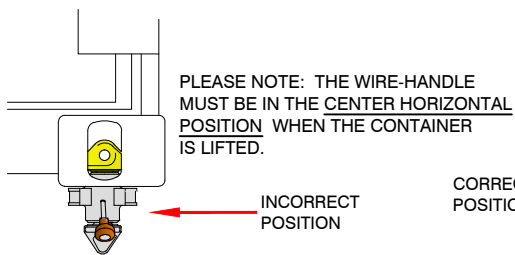
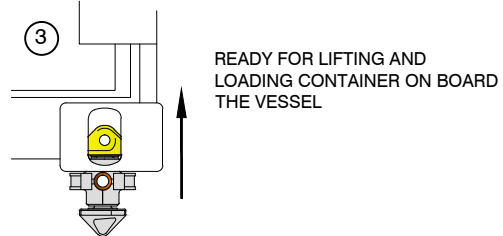


Subject	EQUIPMENT SPARE PARTS				Chapter 5
Prepared by	Controlled by	Approved by	Revision No	Revision date	Ident. No.
NL	MD	MD	0	Sept 2013	0913

OPERATING INSTRUCTIONS
SEMI-AUTOMATIC TWISTLOCK

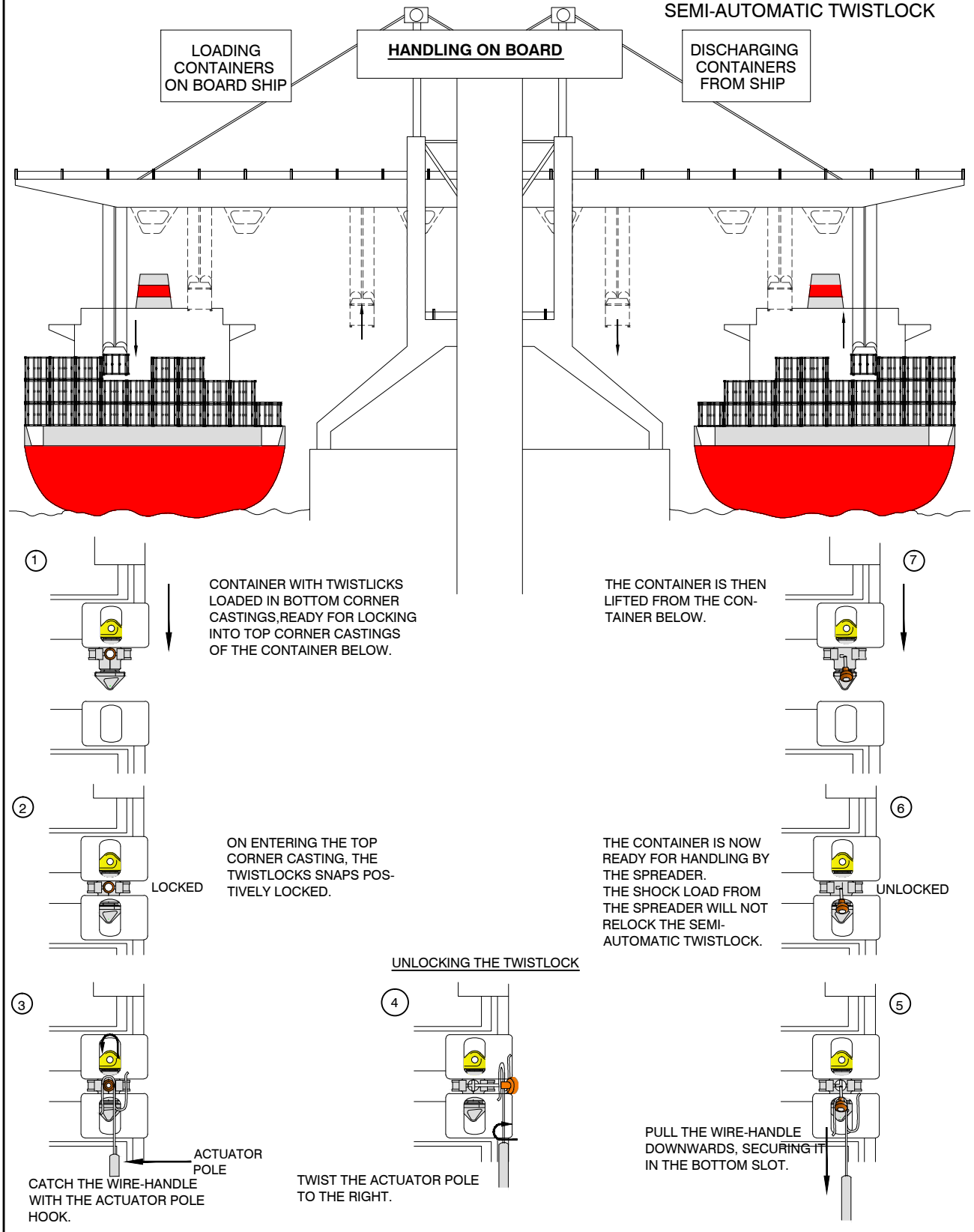


THE CONTAINER CAN NOW BE LOADED ON BOARD THE VESSEL.



Subject	EQUIPMENT SPARE PARTS				Chapter 5
Prepared by	Controlled by	Approved by	Revision No	Revision date	Ident. No.
NL	MD	MD	0	Sept 2013	0913

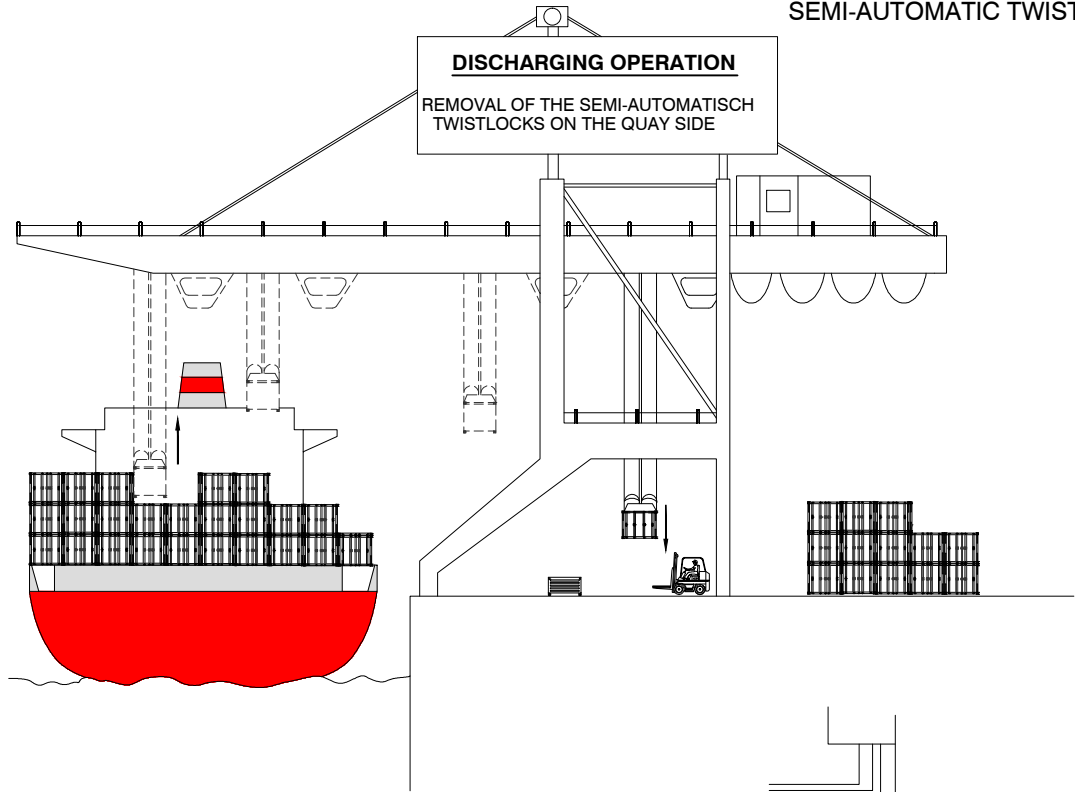
OPERATING INSTRUCTIONS
SEMI-AUTOMATIC TWISTLOCK



Subject	EQUIPMENT SPARE PARTS				Chapter 5
Prepared by	Controlled by	Approved by	Revision No	Revision date	Ident. No.
NL	MD	MD	0	Sept 2013	0913

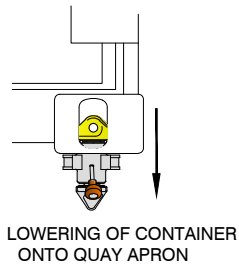
OPERATING INSTRUCTIONS
SEMI-AUTOMATIC TWISTLOCK

DISCHARGING OPERATION
REMOVAL OF THE SEMI-AUTOMATISCH TWISTLOCKS ON THE QUAY SIDE



THE CONTAINER IS LOWERED TO A SUITABLE HEIGHT LEVEL ABOVE THE QUAY APRON TO REMOVE THE SEMI-AUTOMATIC TWISTLOCKS FROM THE CONTAINER BOTTOM CORNER CASTING.

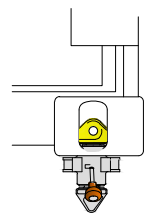
①



LOWERING OF CONTAINER ONTO QUAY APRON

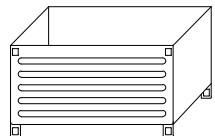
THE SEMI-AUTOMATIC TWISTLOCK IS REMOVED FROM THE BOTTOM CORNER CASTING BY PULLING THE WIRE-HANDLE, TWISTING THE UPPER CONE INTO OPEN POSITION.

②



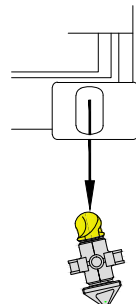
PULLING WIRE-HANDLE

STORAGE BOX FOR TWISTLOCKS



TWISTLOCK TO STORAGE BOX.

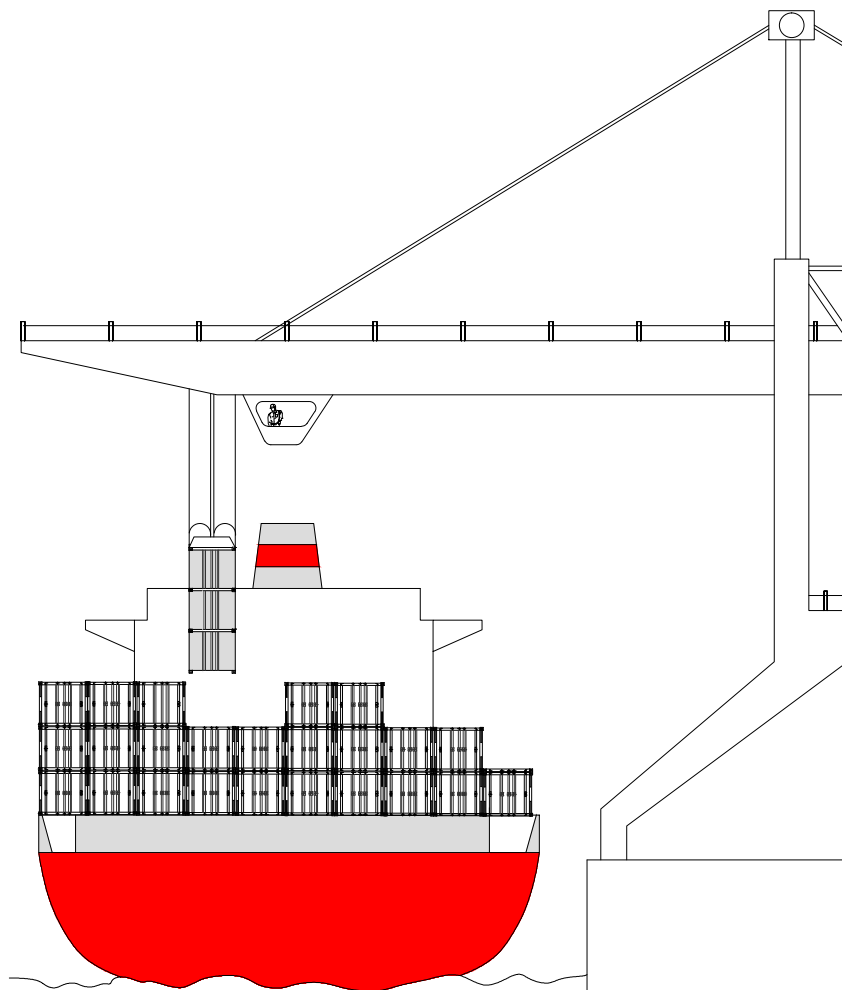
③



Subject	EQUIPMENT SPARE PARTS				Chapter 5
Prepared by	Controlled by	Approved by	Revision No	Revision date	Ident. No.
NL	MD	MD	0	Sept 2013	0913

**VERTICAL DOUBLE & TRIPLE LIFTING
OF EMPTY CONTAINERS**

WITH IF-56-LIFT TWISTLOCKS*



VERTICAL TRIPLE LIFTING OF CONTAINERS MAY BE PERFORMED WITH EMPTY CONTAINERS ONLY (20ft, 40ft & 45ft CONTAINERS INCL. REEFERS). (FOR LOADED CONTAINERS SEE NEXT PAGE).

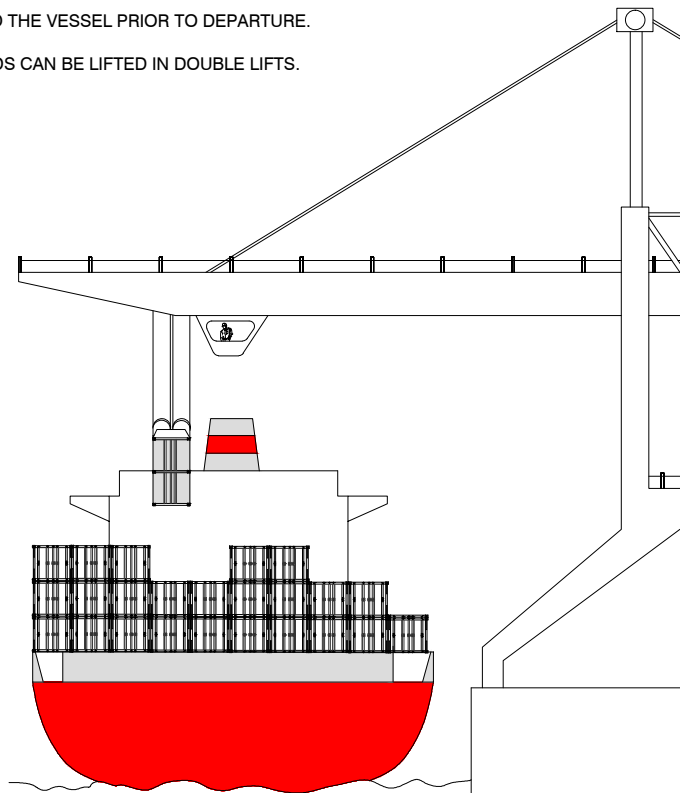
NOTE: ENSURE THAT ALL TWISTLOCKS BETWEEN CONTAINERS ARE POSITIVELY IN LOCKED POSITION BEFORE LIFTING.

***) APPROVED BY LR, CERTF. NO**

Subject	EQUIPMENT SPARE PARTS				Chapter 5
Prepared by	Controlled by	Approved by	Revision No	Revision date	Ident. No.
NL	MD	MD	0	Sept 2013	0913

**VERTICAL DOUBLE LIFTING OF LOADED CONTAINERS
WITH IF-56-LIFT TWISTLOCKS***

1. ONLY TO TAKE PLACE IN PORTS WHERE PERMITTED.
2. ONLY TWISTLOCKS TYPE IF-56-LIFT (CERTIFIED SWL 10T) TO BE USED AS LIFTING DEVICE.
3. 20' /40' /45', DRY, REEFERS OR ARTIFICIAL TWEENDECKS, CAN BE LIFTED IN ONE MOVE DURING LOADING, DISCHARGING AND SHIFTING OPERATION.
4. LINKED CONTAINERS CAN ONLY BE HANDLED TO OR FROM DECK POSITIONS.
5. BEFORE THE LINKED CONTAINERS ARE LIFTED, A RESPONSIBLE SUPERVISOR/FOREMAN MUST CHECK THAT ALL TWISTLOCKS ARE IN THE LOCKED POSITION.
6. A RESPONSIBLE SUPERVISOR/FOREMAN MUST BE PRESENT ON DECK SUPERVISING THE OPERATION.
7. DOUBLE LIFTS MUST NOT BE CARRIED OUT WITH VESSEL'S OWN CRANE.
8. TOTAL WEIGHT OF THE LINKED CONTAINERS MUST NOT EXCEED THE SWL OF THE SHORE CRANE.
9. THE TWISTLOCKS MUST ALWAYS BE RETURNED TO THE VESSEL PRIOR TO DEPARTURE.
10. NO CONTAINERS CONTAINING DANGEROUS GOODS CAN BE LIFTED IN DOUBLE LIFTS.



NOTE: ENSURE THAT ALL TWISTLOCKS BETWEEN CONTAINERS ARE POSITIVELY IN LOCKED POSITION BEFORE LIFTING.

***) APPROVED BY LR, CERTF. NO**

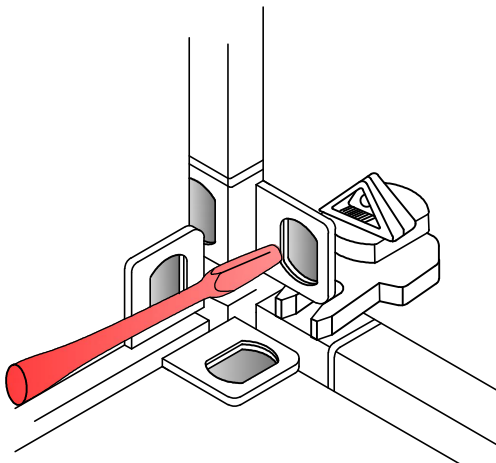
Subject	LASHING SYSTEM-INDEX				Chapter 5
Prepared by	Controlled by	Approved by	Revision No	Revision date	Ident. No.
NL	MD	MD	0	Sept 2013	0913

**OPERATING INSTRUCTIONS
SEMI-AUTOMATIC TWISTLOCKS**

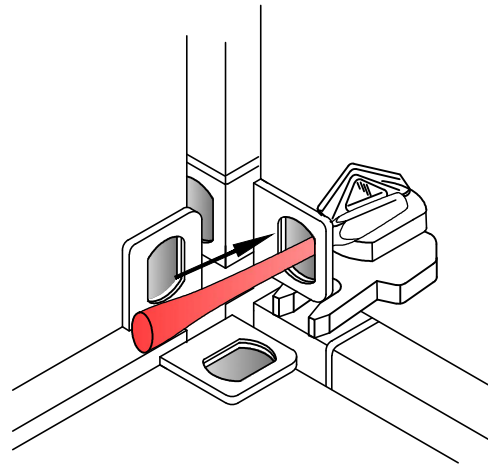
NEVER USE YOUR HAND OR FINGERS TO OPEN AN JAMMED TWISTLOCK

HANDLING OF EMERGENCY TOOL OT-25

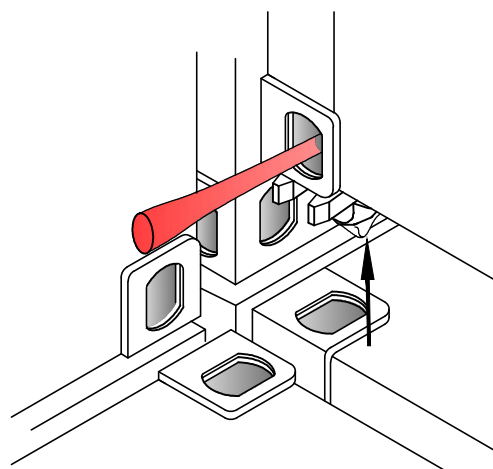
USE THE EMERGENCY TOOL:
WHEN THE WIRE-HANDLE IS OUT OF FUNCTION.
WHEN THE TWISTLOCK BY ACCIDENT HAS BEEN MOUNTED BACKWARDS.



1. WHEN THE TWISTLOCK IS ACCESSIBLE FROM THE FRONT, USE TOOL ET-1.



2. TWIST THE UPPER CONE ANTI-CLOCKWISE BY PUSHING THE TOOL INTO THE CORNER CASTING.



3. MAKE SURE THAT THE TOOL IS SECURED BEFORE LIFTING THE CONTAINER.