

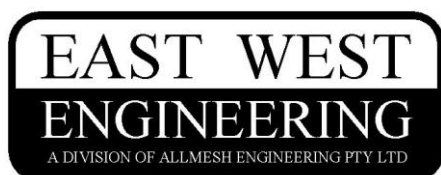
EAST WEST ENGINEERING
INSTRUCTION MANUAL

Type CRN8
CONTAINER RAMP

Table of contents

	Page
1) Quality Policy Statement_____	2
2) General Description of Product_____	2
3) Positioning of Ramp by Forklift_____	3
4) Operational Procedures and Safety_____	4
5) Risk Control Measures – Summary_____	4
6) Parts List_____	6
7) Maintenance_____	6
8) Compliance Plate Information_____	7
9) Certification Information_____	8
10) Terms and Conditions_____	9
Appendix A_____	Attached

ALL EAST WEST CONTAINER RAMPS CONFORM TO
AS/NZS 1554.1:2014, AS 2359.1 – 2015 & AS 2359.2 – 2013



22 Clearview Place
Brookvale NSW Australia 2100
Ph: (02) 9938 0644 Fax: (02) 9938 0655
Toll Free: 1800 061 998
Email: sales@eastwesteng.com.au

1) QUALITY POLICY STATEMENT

East West Engineering is an Australian Owned company in the Sydney suburb of Brookvale. We are Australia's leading manufacturer of forklift attachments, storage, waste containers and environmental protection equipment.

East West Engineering's products are a result of extensive market research into our customer's needs. From the first concept to engineering certification and finally, CAD/CAM manufacturing, all our designs have been rigorously researched and developed.

2) GENERAL DESCRIPTION OF PRODUCT

The type CRN8 Container Ramp is designed for bridging into a standard container from ground level. A self-leveling lip allows for full load capacity when on uneven ground. Safety chains supplied both sides of the Ramp, lock the ramp hard up against the container. The type CRN65 Ramp can be quickly positioned from the back by a forklift.

The type CRN8 Container Ramp has a Working Load Limit (WLL) of 8000kg with a unit weight of 275kg. The Ramp is 2.0 metres long and 2.2 metres wide. A painted 'Safety Yellow' enamel finish over primed steel is standard on this Container Ramp model.

Manufactured strictly in accordance with AS 2359.1, use of the type CRN8 Container Ramp is restricted to the purpose for which it has been designed. EAST WEST ENGINEERING is not liable if this restriction is breached.

Some Ramps are manufactured as "Specials" from this standard product. In this situation, design changes may alter the operating procedures for the Special Ramp.

If your product type begins with the prefix "J", it will be a Special. Please check with East West Engineering for non-standard instructions specific for your attachment.

Note: The use of the words 'Forklift' & 'Industrial Truck' throughout these instructions both refer to 'Powered Industrial Truck' as defined in AS 2359.1.

Type Data

To accurately identify the Ramp and when ordering parts, please quote the **Type** and **Serial Number**. This information can be found on the compliance plate situated on the side of the Container Ramp. Please refer *Fig. 8.1* and *Table 8.2*, codes "A" and "B" for more information.



WARNING: These Instructions **MUST be READ in FULL by the Forklift Operator** and all Operational & Safety Procedures and Risk Control Measures complied with before the use of this Container Ramp.

3) POSITIONING OF RAMP BY FORKLIFT

Before handling the type CRN8 Container Ramp with a forklift, ensure that the fork arms are suited to the ramp and set to the correct width.

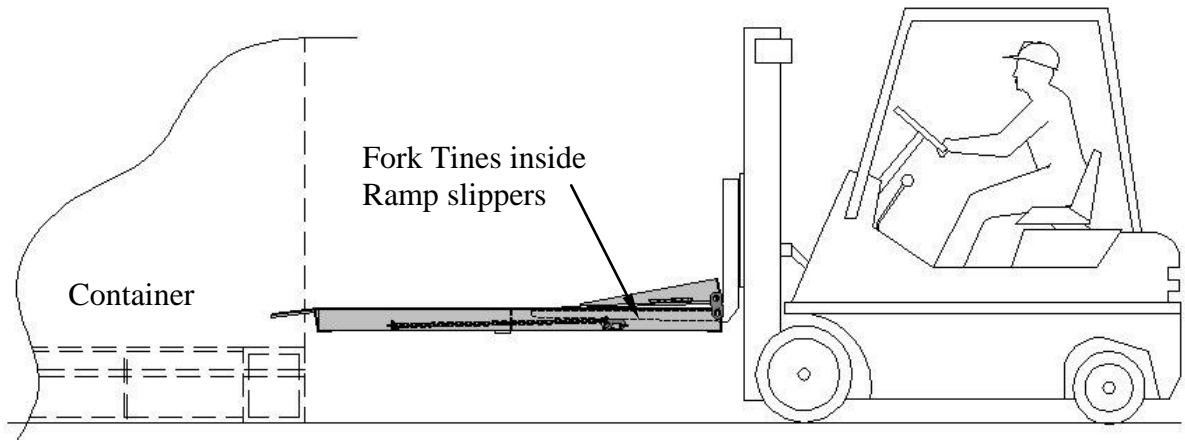


Fig. 3.1

To position the Container Ramp, insert the fork tines as far as possible inside the rear slipper holes provided. Transport and position the Ramp as shown in *Fig. 3.1*.

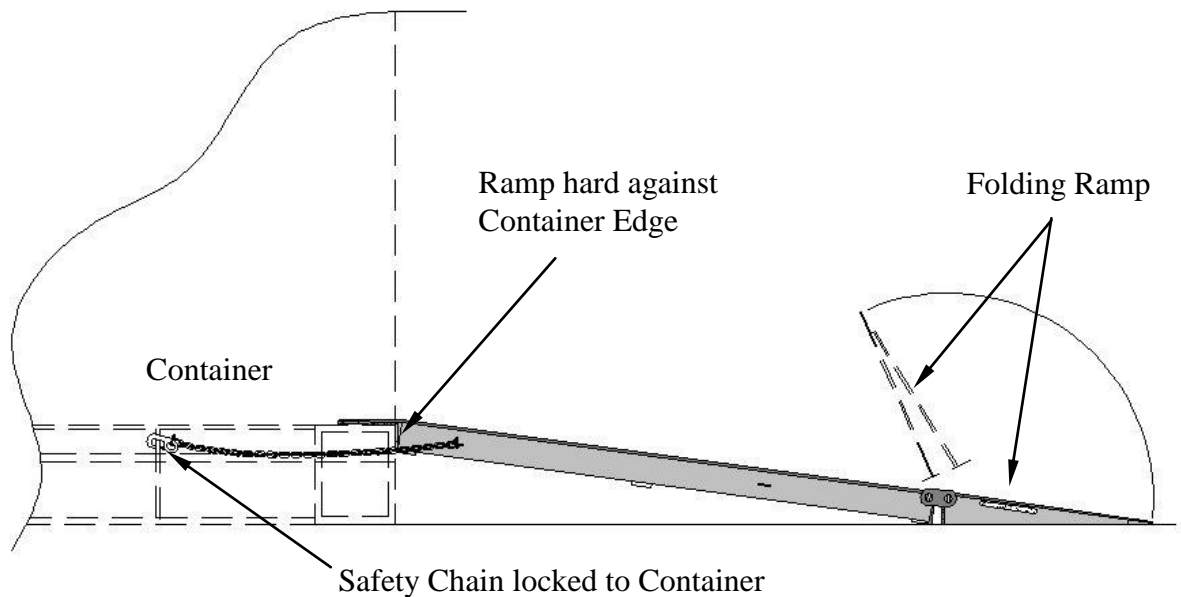


Fig. 3.2

With the Ramp hard up against the Container, disengage from the Ramp by setting the fork tines horizontal and reversing the forklift away from the Ramp. Attach the safety chains onto the Container both sides ensuring the Ramp is secured hard up against the Container as shown in *Fig. 3.2*.



WARNING: To maintain the structural integrity of the Ramp, it shall be sitting on a firm surface allowing **no greater span between supporting sections than 15cm.**

4) OPERATIONAL PROCEDURES AND SAFETY

Preliminary Safety Checks

A “Competent Person” shall inspect all components on the Ramp to ensure they are in safe working order. A “Competent Person” shall inspect the Safety Chains daily to ensure they are operational and in safe working order. Do not use the Ramp if any of the components are damaged or not in safe working condition.

The Operator to ensure the Ramp has been placed on a firm suitable surface for effective operation. The Operator shall check that the Ramp has been correctly secured with the Safety Chains to the Container as per these instructions.

All signage must be strictly adhered to and checked to ensure that the compliance plate is not damaged and is legible.

General Operating and Safety Procedures

Forklift attachments can alter load centres and reduce the load capacity. The type of load to be handled in addition to the operating conditions must be considered when determining the actual working capacity for each application. Do not exceed the rated capacity of the forklift to handle the load. Do not exceed the rated capacity of the Ramp to handle the forklift/load combination.

All operating checks as stated in Section (5) & Appendix ‘A’ below and as stated in AS 2359.2 are to be carried out at the start of shifts or immediately prior to the lifting of loads or use of the Container Ramp.



WARNING: Any WLL noted on the Container Ramp is a structural rating of the Ramp only. Ensure the forklift/load combination does not exceed the rated capacity of the Ramp to handle this load combination.

East West Engineering Ramps shall not be modified in any way which affects the operation or performance except with the prior approval of East West Engineering. After any changes have been effected, appropriate alterations shall be made on the relevant nameplate and markings prior to placing the attachment back into service. East West Engineering must be notified of the changes to nameplates and markings with reference to the Ramp serial number.


5) RISK CONTROL MEASURES – SUMMARY

When handling loads, the Risk Control Measures outlined below in Sections (5) are to be observed by the Industrial Truck Operator to ensure all identified hazards relative to using this equipment are eliminated or controlled – **refer Appendix A for a detailed analysis;**

- A) The Industrial Truck Operator requires a suitable forklift licence to cover both the Industrial Truck being operated and any attachment that has been fitted. The qualifications and authorisation of the Operator shall be in accordance with AS 2359.2 clause 2.1 and 2.3 respectively. Training in the safe transportation and use of the Container Ramp and the attachment to Containers shall be undertaken before use.

- B) Authorised personnel must perform the following pre-checks immediately prior to the use of the Industrial Truck in accordance with AS 2359.2 clause 3.1 and 6.4 and corrective action initiated where applicable;
- Nameplate and markings regarding the Industrial Truck and Attachment capacities are to be read and acknowledged,
 - Condition of lift and tilt systems on the Industrial Truck to be checked,
 - Inspect all tyres for wear, condition and pressure if applicable,
 - Liquid levels of battery cell electrolyte, oils (hydraulic, engine, transmission and brake), cooling water and fuel to be checked,
 - All steering and brake controls, warning devices and lights to be checked for effective operation.
- C) Gain assurance from a responsible person that the Ramp may be handled and used safely and that person has provided all information necessary to ensure that risks are eliminated or controlled.
- D) Do not exceed the rated capacity of the Industrial Truck to handle the Ramp or load.
- E) Do not exceed the rated capacity of the Ramp to handle the Industrial Truck/Load combination.
- F) The Industrial Truck shall be used on a hard level surface. The area in which the Ramp is to be used shall be assessed as suitable for the task to be undertaken – refer (M) below. There should be suitable clear space to safely transport the Ramp or any load about the workplace.
- G) While using the Ramp in an area subject to passing traffic, barriers or warning signs shall be used to prevent any interference.
- H) Transport the Ramp or load positioned as low as practicable.
- I) Manoeuvre slowly and cautiously whenever transporting the Ramp or any load.
- J) The mast if adjustable shall be back tilted.
- K) Never drag the Ramp or load horizontally along the ground.
- L) The Operator shall check that the forklift tines are positioned inside the rear slipper holes in accordance with these Instructions – refer Section (3).
- M) The Operator to ensure the Ramp has been placed on a firm surface allowing no greater span between supporting sections than 15cm – refer Section (3).
- N) The Operator to ensure the Ramp has been firmly secured to the Container by the Safety Chains as per these Instructions to prevent any movement.
- O) **This Ramp is not designed or certified to convey Personnel.** The Operator to ensure **NO PERSONNEL rides on the Ramp during transport or whilst being elevated.**
- P) Manoeuvre the forklift slowly and cautiously when driving onto the Ramp.
- Q) The Operator is to always “Drive” onto the Ramp and to “Reverse” down the Ramp.
- R) The Operator to take care in wet conditions to avoid ‘wheel slip’.
- S) The Operator shall stay with the Industrial Truck controls at all times.
- T) The Operator shall keep hands and feet clear of controls other than controls in use.
- U) The Operator shall keep clear of overhead obstructions and in particular **MAINTAIN RELEVANT CLEARANCE OF ELECTRICAL CONDUCTORS.**
- V) Before transporting any load with the forklift, elevate the fork tines/attachment unladen to the required working height to confirm that all systems are functioning correctly.
- W) Ensure safety features are provided, visible and working effectively.
- X) Ensure there has been no unauthorised interference or alteration to the equipment that may cause risk.
- Y) Ensure regular maintenance, testing and inspections are carried out and recorded in accordance with the relevant Industrial Truck Manuals and these instructions [refer Section (7)], and corrective action initiated where applicable.

- Z) Ensure the instructions of East West Engineering are followed.
- AA) If any of the equipment becomes unsafe, stop all usage until the risk is eliminated or controlled
- BB) The Industrial Truck is to be operated in accordance with AS 2359.2 Section (3) and these Instructions where applicable.



WARNING: Failure to observe the above **Risk Control Measures** and those outlined in **Appendix A** could result in **SERIOUS INJURY or DEATH.**

6) PARTS LIST

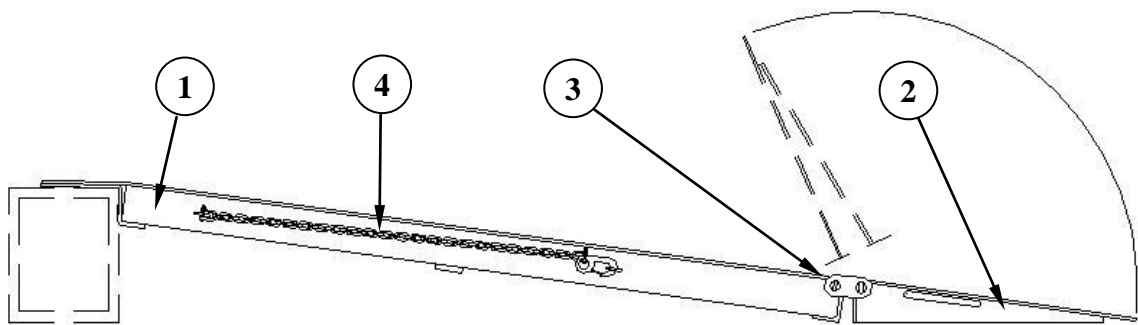


Fig. 6.1

Item	Description	CRN8	Qty
1	Container Ramp	CRN8-02	1
2	Folding Ramp	CRN6-03	1
3	Ramp Link	CRN6-10A	2
4	Safety Chains	CRN6-09	2

Table 6.2

7) MAINTENANCE

Regular maintenance including Testing, Inspection and Cleaning should be carried out on the Container Ramp to reduce the risk of potential hazards arising. The Ramp should be cleaned and visually inspected by a “Competent Person” under adequate lighting conditions, before each shift, to ensure all components are functioning correctly and are free from any noticeable wear or damage, particularly at any load-bearing or highly stressed points. If components are considered worn or damaged, or if safety charts or labels are damaged or illegible, the Ramp should be taken out of service and East West Engineering or an “Authorised Person” contacted for advice. Periodic testing may be required if any damage is noted as this could be an indication of abuse or overloading. Regular cleaning makes identification of damage easier. Keep maintenance records to ensure safety checks are carried out.

Maintenance Schedule

Description	Maintenance Period					
	Daily or 8 Hrs	Weekly or 40 Hrs	Monthly or 160 Hrs	3 Months or 500 Hrs	Annually or 2000 Hrs	Other
Ramp Link	CI					
Safety Chains	CI					

Table 7.1

Maintenance to be carried out		
Maintenance Codes		Lubricant to be used
GS = Grease smear	D = Drain	G = Grease, Shell Alvania R2 or equivalent
GN = Grease at nipple	R = Replace	H = Hydraulic Oil Shell Tellus
CI = Clean and inspect	T = Tighten	Ot = Oil, Shell 20W/40W or equivalent
C = Check & fill oil to level	N = Note below	Oa = Oil, Shell Turbo T32 or equivalent

Table 7.2

8) COMPLIANCE PLATE INFORMATION

EAST WEST ENGINEERING					
22 CLEARVIEW PLACE, BROOKVALE NSW AUSTRALIA					
PHONE: (02) 9938 0644 FAX: (02) 9938 0655					
TYPE	"A"	WEIGHT	"D"	kg	
YM	"B"	SERIAL No.	"E"		
WLL	"C" kg	HCG	"F"	mm	
THE CAPACITY OF THE TRUCK AND ATTACHMENT COMBINATION SHALL BE COMPLIED WITH.					

Fig. 8.1

A	Product Type	Refer "A", Table 8.2
B	Year of Manufacture	Individually stamped
C	Working Load Limit	Refer "C", Table 8.2
D	Dry Weight of the unit	Refer "D", Table 8.2
E	Serial Number	Individually stamped
F	Horizontal C of G	Refer "F", Table 8.2

COMPLIANCE PLATE MARKING						
Type	"A"	"B"	"C"	"D"	"E"	"F"
CRN 8	CRN 8	YM	8000	275	Serial No	750

Table 8.2

9) **CERTIFICATION INFORMATION**

Certificate

Type CRN8 CONTAINER RAMP

We certify that the type CRN8 Container Ramp is rated to 8000kg Working Load Limit (WLL) and is designed and fabricated strictly in accordance with relevant Australian Standards including those listed below –

AS/NZS 1554.1: 2014 Structural Steel Welding – Welding of Steel Structures

AS 2359.1 – 2015 Powered Industrial Trucks – General Requirements

AS 2359.2 – 2013 SAA Industrial Truck Code – Operation

AS 3990 – 1993 Mechanical Equipment – Steelwork

Signed on behalf of **EAST WEST ENGINEERING,**



Ron King
MANAGING DIRECTOR

10) TERMS of TRADE, CONDITIONS of SALE and WARRANTY STATEMENT

1. East West Engineering (EWE) products are to be used only as indicated. Misuse or misapplication may cause failure resulting in possible property damage or bodily injury.
2. It is the obligation of the user to ensure EWE products are used in accordance with appropriate Codes and System requirements.
3. All liability for EWE products performance is disclaimed and the warranty will be voided if any of the following conditions exist:
 - 3.1) the product is used beyond the published or stated Working Load Limit (WLL) or Rated Capacity (RC). Note: **ALL** ratings are for static conditions and do not account for dynamic loading such as wind, water or seismic loads,
 - 3.2) the product is not properly installed per published or stated instructions,
 - 3.3) the loading to the product is not vertical,
 - 3.4) the product is deformed or stressed in any way during fitting or installation,
 - 3.5) the product is used in a corrosive environment.
4. All safety regulations required by the user must be observed.
5. Custom builds cannot be cancelled after order placement.
6. EWE products at the time of dispatch are warranted to be free of defects in material or workmanship. **NO OTHER WARRANTY EXPRESSED OR IMPLIED SHALL EXIST IN CONNECTION WITH THE SALE OR USE OF EWE PRODUCTS.** Claims for errors, shortages, defects or non-conformities ascertainable upon inspection must be made in writing within 15 days after buyer's receipt of products. All other claims must be made to EWE within 12 months. Products claimed nonconforming or defective must upon EWE's request promptly be returned for inspection. Claims not made as provided above and within the applicable time period will be barred. EWE shall in no event be responsible if the products have not been used in accordance with the specifications and/or recommended procedures. EWE will, at its option either repair or replace nonconforming or defective products for which it is responsible or return to buyer their purchase price. The foregoing states buyer's exclusive remedy for any breach of EWE warranty and for any claim, whether sounding in contracts, tort or negligence for loss or injury caused by the sale or use of any product. Without limiting the generality of the foregoing EWE shall in no way be responsible for any loss of business or profits, downtime or delay, labour, repair or material cost or any similar or dissimilar consequential loss or damage incurred by the Buyer.
7. Examine goods immediately upon receipt and advise any damage or shortage to carriers and ourselves within 15 days, otherwise no claim whatever will be considered. Provided advice is given within the prescribed time, we will make good any shortage and will repair or replace free of charge goods damaged in transit where we are responsible for delivery of the goods.
8. Returning of goods within 2 months of the EWE dispatch date, will be accepted only upon issue of a Return Goods Form (RGF). Goods must be unused and undamaged, restocking fees may apply. Special builds and freight charges are non-refundable. Return freight arrangements, including costs, cannot be reclaimed on EWE. Goods outside this period will not be considered for return.
9. If goods are not received within 14 days from receipt of invoice please advise us in writing.
10. If any errors are discovered in the invoicing please notify supplying branch at once for correction.
11. **Property and Payment:** – By acceptance of delivery and retention of the goods it is acknowledged that the property of the goods remains with EWE and that legal title thereto will not pass until payment is made but that nevertheless the goods are at your risk after delivery. In the event that payment is not made within 30 days of delivery, or other agreed terms, full licence and authority is given to EWE to enter any premises where the goods are stored and to recover possession of them. In the event of the sale of the goods prior to payment, the proceeds of sale belong to EWE.
12. **Terms of Payment:** – Unless credit has been arranged strictly net cash; if credit has been arranged, payment must be made by the 25th day of the month, following the month appearing in the date on the front of the invoice.
13. **East West Engineering reserves the right to alter specifications, designs and prices without notification.**