



ARX  
MOULDINGS



ABaC System  
Installation Guide



## KEY POINTS...

Delivery of the ABaC System

Equipment Overview

Installation and Advisory

Mounting Plates

Removal

Storage

### WARNING



#### Cutting

Identify a safe area to cut the barriers. This should be at the master's discretion, depending on the hot works policy onboard

#### Removal

Removal may be necessary for STS operations or Mooring Operations. By following this guide this can be done in such a manner that there is no risk of the barrier falling to sea

#### PPE

Please ensure you comply with your Individual company HSE Policy.

ARX Maritime advise wearing safety goggles/glasses and glove, boilersuits, and hard toe boots as a minimum.





## On Receipt of Delivery

After taking delivery of your ARX ABaC Barriers please ensure that all components are present and in satisfactory condition.

If installation is not taking place immediately then please ensure items are stored safely, Barriers are safe to be stored outside but should be secured or lashed down depending on weather conditions.

ARX maritime are not liable for damages caused after delivery has been taken onboard.

## Components

Your delivery should consist of:

- Barriers
- Corner Plates
- Mounting Plates
- Marine Grade Ratchet Straps

### ATTENTION

Please see advisory warning precautions before carrying out any works.

ARX Maritime can not be held responsible for workers being injured whilst not wearing the correct PPE or using the correct equipment.

## Tools Required

### Hand Tools

- Measuring Tape
- Black Marker or Likewise
- Rasp or File
- Rubber Mallet

### Power Tools

- Reciprocating Saw
- Fine Cutting Blade



# INSTALLATION PART ONE

## Steps 1-4 detailing the fitting of the ARX ABaC System

### 1. Identify ABaC barriers and Associated Equipment

#### 1.1. Position the Equipment

#### 1.2. Move barrier to with 1 metre of the handrail, Branding upside down facing the handrail



### 2. Remove elastic band from the Strap.

2.1. With the ratchet in the closed position and blue label pointing downwards touching the deck, place your foot on the ratchet to hold in place.

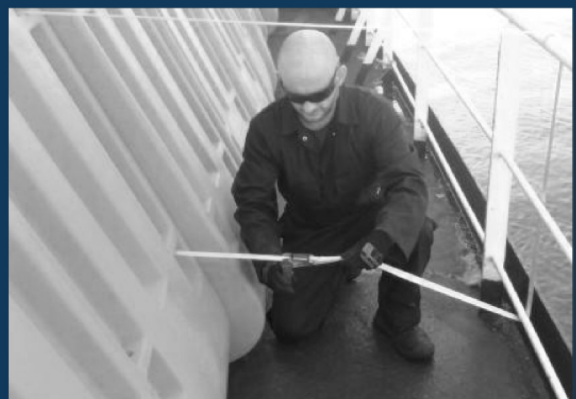
2.2. Whilst your foot holds the ratchet in place unravel the strap, passing underneath the bottom rail and coming up over the top rail and back in towards the top of the barrier.

2.3. Passing the tail of the strap through the top hole then down through the bottom hole ensuring no twists.

### 3. Remove your foot from the ratchet and open the ratchet to form a V shape.

3.1. Pass the tail of the strap through the Point of the V and pull through a 6-10" tail.

3.2. Tighten the Ratchet strap 3-4 times and ensure you cannot pull the strap through



### 4. Using two men, lift the barrier over the handrail.

4.1. Once in place, one man maintains the barrier in place and the other tightens the ratchet straps. Ensuring No Twists.

4.2. To tidy away the tails, stand at the end of the tail and fold in sections of 6-8" and secure using tape. DO NOT CUT TAILS.







# INSTALLATION PART TWO

(Mounting Plates, Removal & Storage)

## Mounting Plates

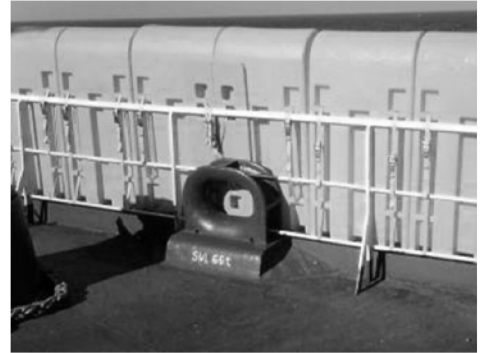
1. Place two barriers side by side both with branding upside down and facing towards the handrail.

1.1. Place the mounting plate centrally over the two barriers ensuring the branding is upside down and facing outwards

2. Feed the ratchet strap through both barrier slots and mounting plate.

2.1. Tighten the ratchets ensuring panels are closed together and level.

3. Move Joint barriers into place and using ratchet straps at either end and revert to installation step 2. To complete installation.



## Removal

1. With the designated panel(s), Unravel both secured tail and straighten out.

2. One person holds the panel in place

3. One man to loosen the ratchets, pulling through the tail until you have 6-10" tail.

3.1 There should now be enough slack to lift the panel over.

4. One man either side, life the barrier over onto the deck with the ARX branding upside down and facing to sea.

## Storage

Anytime the barriers, corner units or mounting plates are not being used, ensure they are stowed away correctly This will prevent any unnecessary warping of the equipment.



## Step By Step Installation

The following page is a complete step by step diagram of how to install the ARX ABaC System to a vessel. These should be supplied with every delivery.

