SECTOR II RECTANGULAR BOOM COUPLING INSTALLATION MANUAL

Centurion Systems (Pty) Ltd
www.centsys.com.au

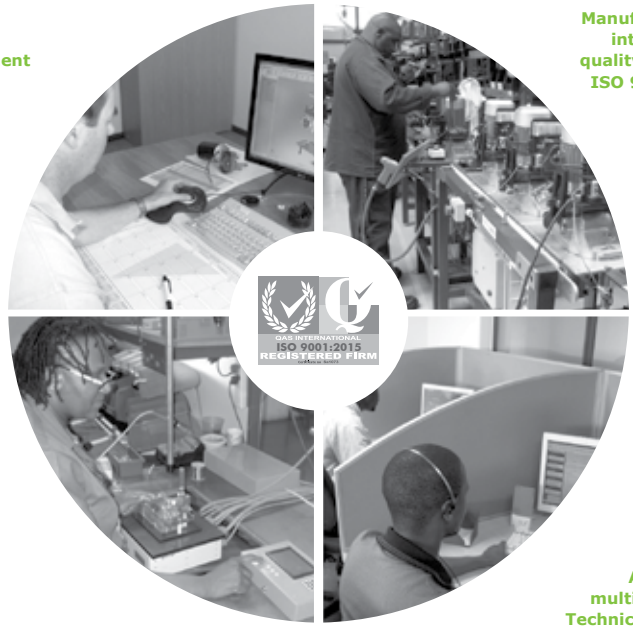
CENTSYS

Company Profile

1986 1990 1995 1999 Today

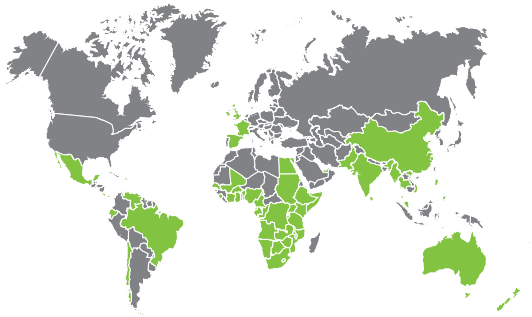
In-house R&D development team

Manufactures to international quality standard ISO 9001:2015



100% testing of products

After-sales multi-language Technical Support



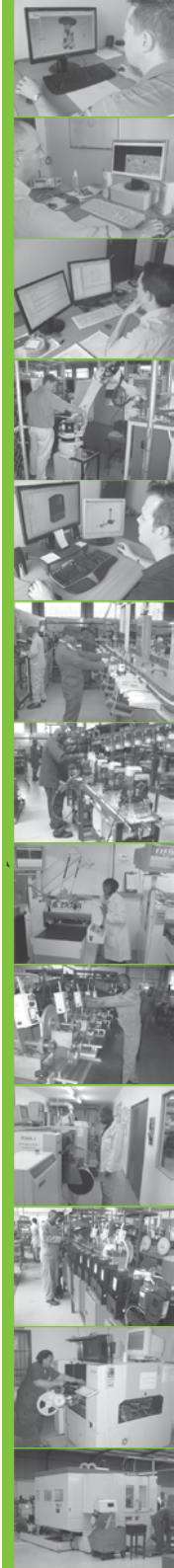
Sales and technical support to Africa, Europe, Asia, the Americas, Australia and the Pacific

Technical Support Operating Times

Monday to Friday
08h00 to 16h30 GMT+2

Saturdays
08h00 to 14h00 GMT+2

Centurion Systems (Pty) Ltd reserves the right to make changes to the product described in this manual without notice and without obligation to notify any persons of any such revisions or changes. Additionally, **Centurion Systems (Pty) Ltd** makes no representations or warranties with respect to this manual. No part of this document may be copied, stored in a retrieval system or transmitted in any form or by any means electronic, mechanical, optical or photographic, without the express prior written consent of **Centurion Systems (Pty) Ltd.**



Contents

1. INTRODUCTION Page 4

2. PRODUCT IDENTIFICATION Page 6

2.1. External components Page 6

2.2. Hardware unpacking Page 7

3. PHYSICAL INSTALLATION Page 8

3.1. Fitting the boom pole Page 8

3.2. Fitting the bumper Page 10

4. INSTALLATION HANDOVER Page 11

Icons used in this manual

This icon indicates tips and other information that could be useful during the installation.

This icon denotes variations and other aspects that should be considered during installation.

This icon indicates warning, caution or attention! Please take special note of critical aspects that MUST be adhered to in order to prevent injury.

1. Introduction

ATTENTION!

To ensure the safety of people and possessions, it is important that you read all of the following instructions.

Incorrect installation or incorrect use of the product could cause serious harm to people.

The installer, being either professional or DIY, is the last person on the site who can ensure that the operator is safely installed and that the whole system can be operated safely.

Warnings for the Installer

CAREFULLY READ AND FOLLOW ALL INSTRUCTIONS before installing the product.

- All installation, repair, and service work to this product must be carried out by a suitably qualified person
- Do not activate your barrier unless you can see it and can determine that its area of travel is clear of people, pets, or other obstructions
- **NO ONE MAY CROSS THE PATH OF A MOVING BARRIER**. Always keep people and objects away from the barrier and its area of travel
- **NEVER LET CHILDREN OPERATE OR PLAY WITH THE BARRIER CONTROLS**
- Secure all easily-accessed barrier controls in order to prevent unauthorised use of the barrier
- Do not in any way modify the components of the automated system
- Do not install the equipment in an explosive atmosphere: the presence of flammable gasses or fumes is a serious danger to safety
- Before attempting any work on the system, cut electrical power to the operator and disconnect the batteries
- The mains power supply of the automated system must be fitted with an all-pole switch with contact opening distance of 3mm or greater. Use of a 5A thermal breaker with all-pole circuit break is recommended
- Make sure that an earth leakage circuit breaker with a threshold of 30mA is fitted upstream of the system
- Never short-circuit the battery and do not try to recharge the batteries with power supply units other than that supplied with the product, or manufactured by Centurion Systems (Pty) Ltd
- Make sure that the earthing system is correctly constructed, and that all metal parts of the system are suitably earthed

- Safety devices must be fitted to the installation to guard against mechanical movement risks, such as crushing, dragging and shearing
- It is recommended that at least one warning indicator light be fitted to every system
- Always fit the warning signs visibly to the inside and outside of the barrier
- The installer must explain and demonstrate the manual operation of the barrier in case of an emergency, and must hand over the user guide to the user
- Explain these safety instructions to all persons authorised to use this barrier, and be sure that they understand the hazards associated with traffic barriers
- Do not leave packing materials (plastic, polystyrene, etc.) within reach of children as such materials are potential sources of danger
- Dispose of all waste products like packing materials, worn-out batteries, etc. according to local regulations
- Always check the obstruction detection system and safety devices for correct operation
- Neither Centurion Systems (Pty) Ltd, nor its subsidiaries, accepts any liability caused by improper use of the product, or for use other than that for which the automated system was intended
- This product was designed and built strictly for the use indicated in this documentation. Any other use, not expressly indicated here, could compromise the service life/operation of the product and/or be a source of danger
- Anything that has not been specified in these instructions may be considered a risk to your safety, and the safety of others. If you are unsure of an installation matter, please contact your nearest distributor

2. Product Identification

2.1. External components

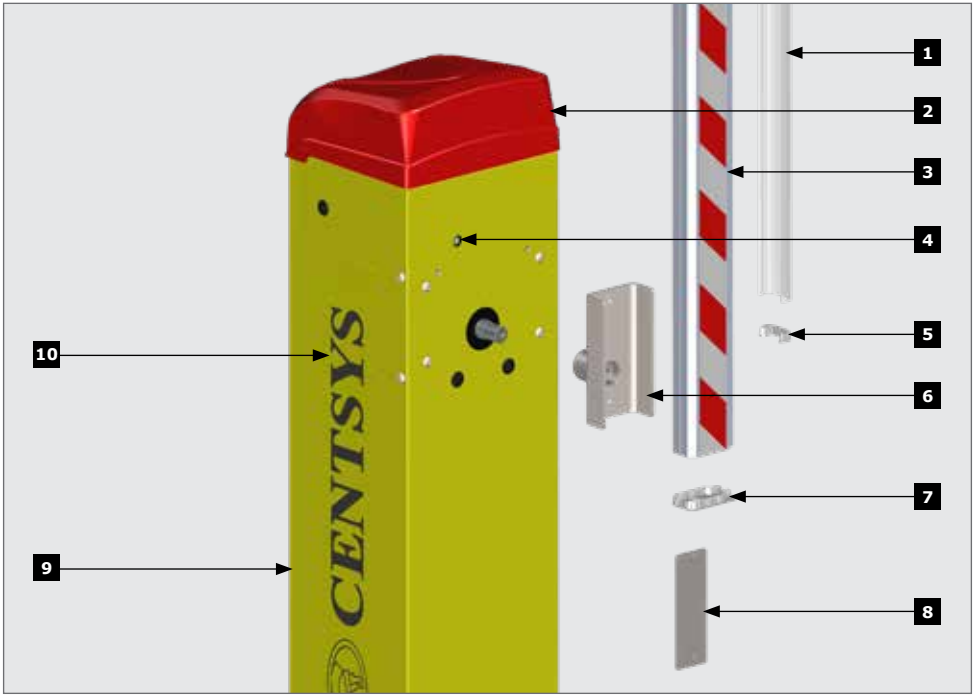


FIGURE 1. PRODUCT IDENTIFICATION - EXTERNAL COMPONENTS

1. Rectangular Boom pole Bumper
2. Barrier lid
3. Rectangular Boom pole (3m, 4.5m and 6m) (not supplied)
4. Manual override (6mm Allen key)
5. Silicon plug
6. Rectangular Coupler
7. End-cap
8. Rectangular Retainer
9. Door
10. Barrier enclosure

2.2. Hardware unpacking

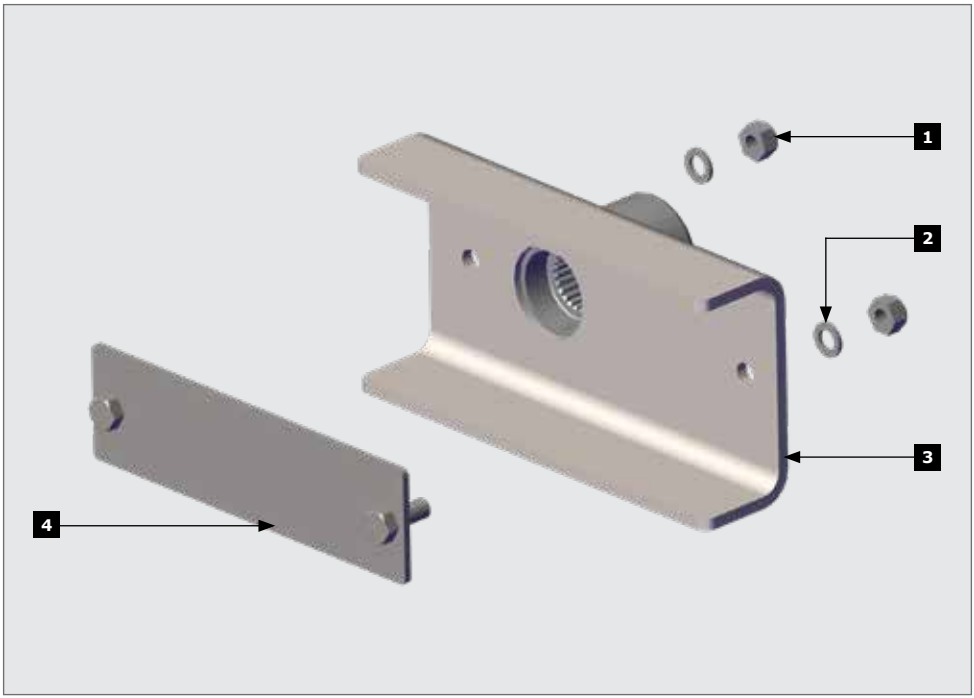


FIGURE 2. PRODUCT IDENTIFICATION - RECTANGULAR COUPLER

1. M8 Nyloc Nut
2. M8 Washer
3. Rectangular Coupler
4. Rectangular Retainer

3. Physical Installation

3.1. Fitting the pole

The SECTOR II can be installed in different configurations. It is important to fully understand the site requirements before purchasing the unit.

Look at the site and decide where the unit will be positioned, then determine which direction the pole will face. This will enable you to ascertain whether a right-hand or left-hand barrier is needed for the installation.

1. Carefully remove the end cap from one end of the boom pole.
2. Place the Coupler on the boom pole and align it to the edge of the boom pole.

Ensure that the splined section of the coupler is on the side nearest to the edge of the boom pole

3. Mark and centre punch the hole positions for drilling.

Keep note of orientation. Holes must be facing away from the direction of traffic and the plastic bumper must be facing downwards.

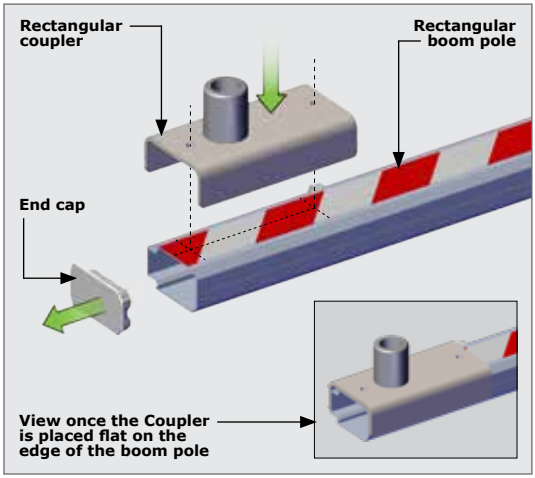


FIGURE 3

4. Drill two 8.5mm holes.

Holes must be drilled through only one wall of the boom pole.

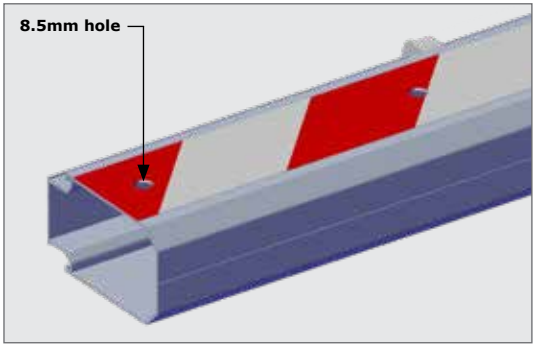


FIGURE 4

5. Insert the boom pole retainer and locate the threaded studs in the drilled holes.

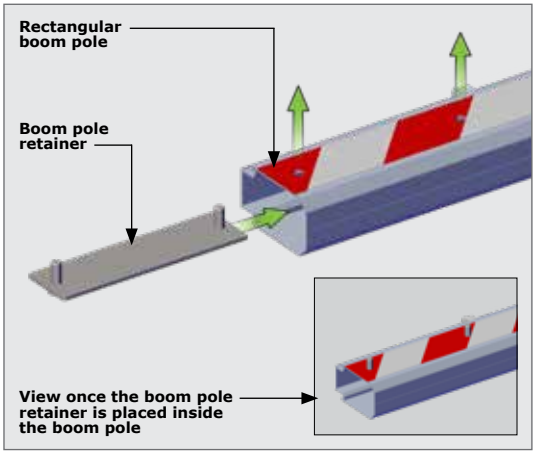


FIGURE 5

6. Vertically align the Coupler to the spline, slide it onto the spline and fasten it in place.

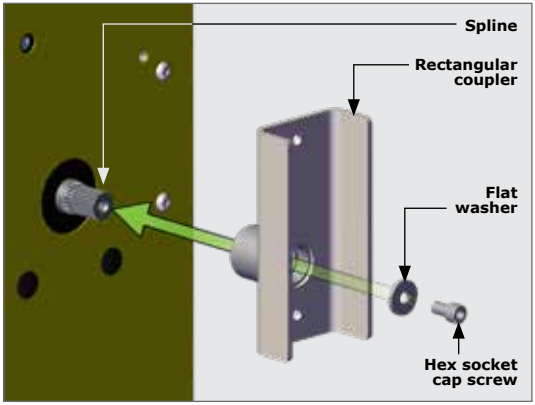


FIGURE 6

7. Place the boom pole with the retainer into the Coupler holes.

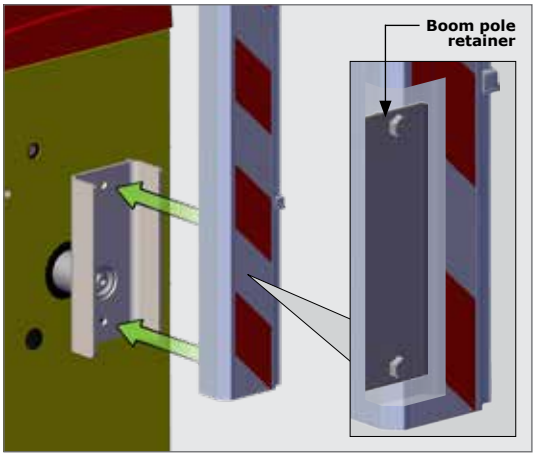


FIGURE 7

8. Fasten the rectangular boom pole as shown in Figure 8.

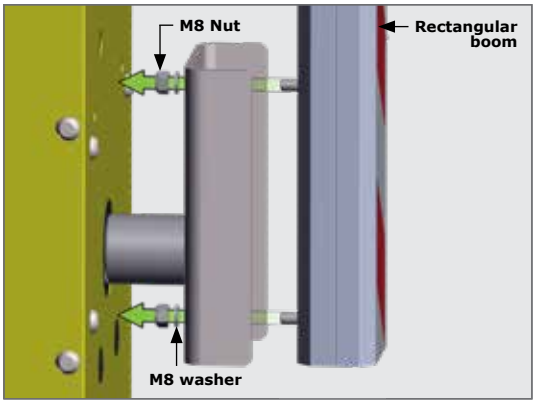


FIGURE 8

3.2. Fitting the bumper

1. Place a silicon plug on both ends of the bumper.

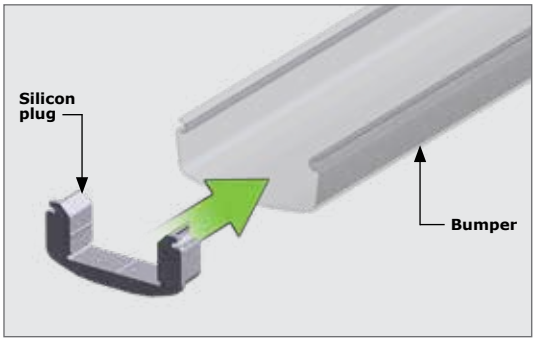


FIGURE 9

2. Clip one end of the bumper with the silicon plug onto either end of the rectangular boom pole.

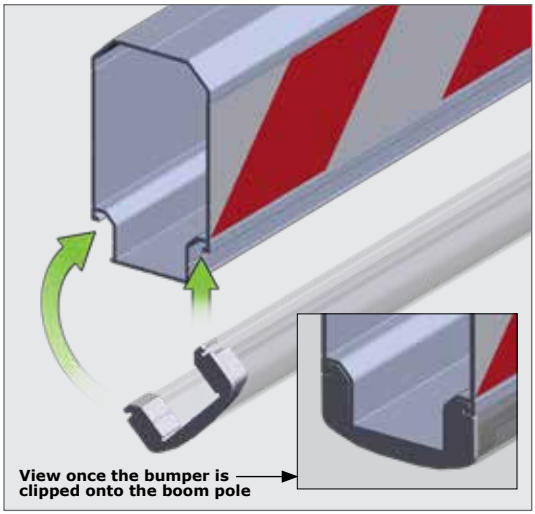


FIGURE 10

3. Clip on the rest of the bumper by gently working your way across the length of the boom pole, pressing the edges of the bumper into the grooves of the boom pole.

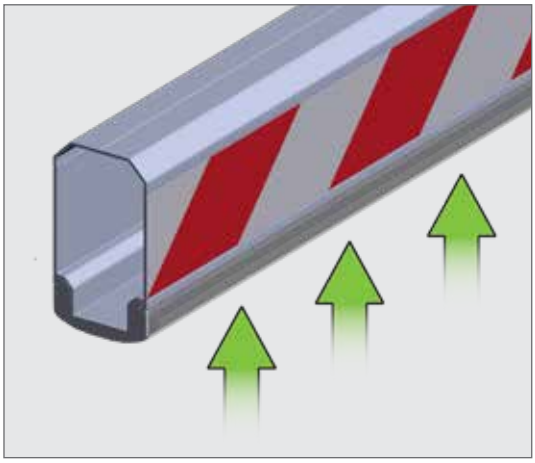


FIGURE 11

4. Replace the end-cap onto the rectangular boom pole.

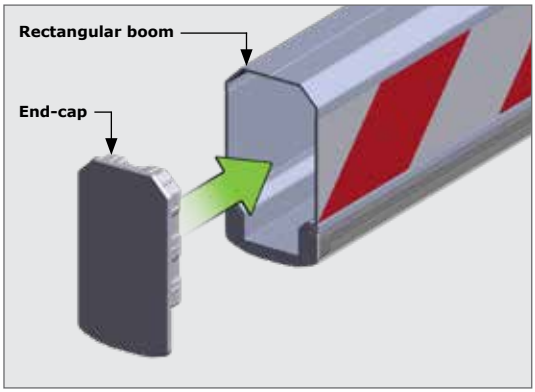


FIGURE 12

Refer to the **SECTOR II** installation manual for instructions on how to level the boom pole and adjust the spring tension.

4. Installation Handover

Once the **SECTOR II rectangular boom pole** has been successfully installed and its operation tested, it is important for the operation and safety considerations to be explained to the end-user of the system.

CENTSYS

Connect with us on:

@FAACAustraliaPtyLtd

@faac_australia_

@FAACAustralia

@faacaustralia3920

Subscribe to the newsletter: www.centsys.com/subscribe

Call: 1 300 322 228 (FAAC Australia) or Email: sales@faac.com.au

Technical Support Email: technical.au@faactechnologies.com

E&OE Centurion Systems (Pty) Ltd reserves the right to change any product without prior notice
All product and brand names in this document that are accompanied by the ® symbol are registered trademarks in South Africa and/or other countries, in favour of Centurion Systems (Pty) Ltd, South Africa.

The CENTURION and CENTSYS logos, all product and brand names in this document that are accompanied by the TM symbol are trademarks of Centurion Systems (Pty) Ltd, in South Africa and other territories; all rights are reserved.
We invite you to contact us for further details.

Doc number: 1246.D.01.0017_ 17112025

www.centsys.com.au