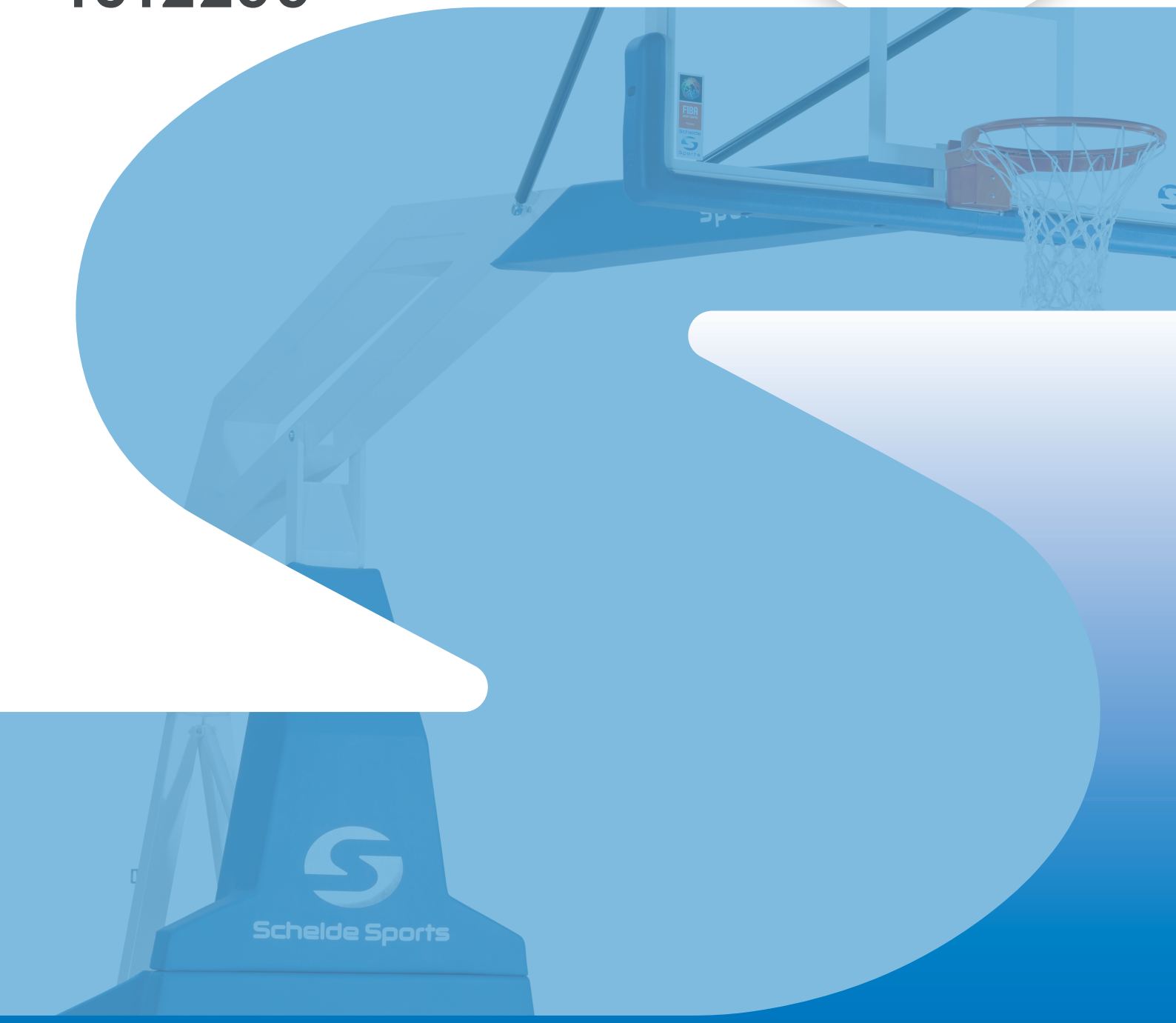
Manual

Super SAM 325 PRO

1612200



Schelde Sports

Superior by Design

OUR 5X5 RANGE


Super SAM 325 Pro


Super SAM 245


Super SAM Multi-Adjust


SAM 225 Club


SAM 165 Club


Little SAM Pro


SAM School

ABOUT THIS MANUAL

This documentation was originally prepared in Dutch by **JF Operations.**

Manual:	**Handleiding Super SAM 325 Pro**
Date:	**30-06-2021**
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PRODUCTIDENTIFICATION

This manual belongs to
to the following product:

Name:	Super SAM 325 Pro
Type:	1612200

THE MANUFACTURER

The unit was produced by:

Schelde Sports North America
2119 Old US 27 South Ste. C
ST Johns, MI 48879
833-724-3533

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DEAR CUSTOMER

Work that must be carried out by the manufacturer's personnel is not included in this documentation.

This user manual has been prepared for anyone who wishes to use our apparatus and/or sports and games materials. This manual describes how to use and maintain the equipment in a responsible manner.

Read this user manual carefully before using the equipment.

Keep this manual with the equipment.

USING THIS DOCUMENTATION

Work not included in this documentation should be performed by personnel or in consultation with JF Operations.

SERVICE AND INFORMATION

For further information about this equipment you can contact the manufacturer.

1 INTRODUCTION

1.1 PURPOSE AND FUNCTION OF THE DEVICE

The Super SAM 325 Pro is the worldwide standard for excellence. Designed and made by the inventors of the original SAM (Spring Assisted Mechanism) and DSF (Dynamic Sub Frame). The diamond-shaped safety padding gives this backstop a unique look. In addition, the cables are routed through the top beam. This allows for better cable management at the rear. With the Pro 180° Equal Force Dunkring, the Super SAM 325 Pro features a top-of-the-line dunkring with FIBA Level 1 & 2 certification.

2 SAFETY

2.1 INTRODUCTION

The Super SAM 325 Pro has been designed and constructed to be used and maintained safely.
This applies to the application, conditions and regulations described in this documentation. Reading this documentation and following the instructions are therefore necessary for anyone working with or on the device. In the case of professional use, it is the responsibility of the employer/manager to ensure that these instructions are known and complied with.

2.2 SAFETY RULES

All our units comply with the fundamental health and safety requirements of the relevant European Community guidelines.

In order to reduce the risk of injury and to ensure that the unit functions correctly, the following instructions must be strictly observed:

1. The backboard, ring and net as well as the padding may only be assembled by qualified personnel.
2. Always take into account the applicable local and general building and safety regulations.
3. All the parts may only be used for basketball; the warranty shall become void in case of other use.
4. Always work with a team of minimum two persons.
5. Always assemble the backboard together with the ring.

6. **Do not remove the transport bracket before assembling the backboard. Removing the transport bracket without the backboard in place can cause serious accidents. The springs are under great tension.**

7. Keep the transport bracket and attachment hardware at hand.
8. The backboard is made of tempered glass, exercise great caution!

2.3 USERS

Setting up and storing the unit may only be carried out by competent adult persons, who know and follow the rules of the Safety and Operating instructions.

2.4 UNIT AND PARTS

The unit comes with the required counterweights and also with floor fixings at the front and rear of the base frame. The height in storage position is 216 cm. The unit is delivered in parts; padding set, backboard, ring and net, braces, board padding, feet of the outriggers (DSF or APF) and the assembled unit with a set of assembly materials.

The cover plate and cap for the springs and weights are already installed.

2.5 DISPOSAL OF THE UNIT

If the device is to be disposed of, the disposal regulations in force at the time and at the location must be observed.

Only generally known materials are used in the unit itself. At the time of construction, disposal options existed for those materials.

2.6 SOCIAL RESPONSIBILITY

Our company takes into account not only the users but also the environment when designing equipment and sports and play materials. We do this by using environmentally friendly materials such as wood with a sustainable label and Phthalate-free PVC cloth. We also try to reduce our energy consumption and have company cars with a green label.

Furthermore, we work closely with the Sports for Children foundation. This foundation gives used (gymnastic) equipment and sports and games materials a second life. When we renovate a gym or sports hall, the old equipment can be picked up by Sports for Children instead of bringing it to the junkyard. Sports for Children then refurbishes these materials where necessary and donates them to less fortunate sports clubs and/or schools in Eastern Europe.

Through these efforts and activities, they want to offer opportunities to children in countries who have little or no sports and games facilities at their disposal. This way we re-use our (gymnastic) equipment and sports and games materials and we work with less environmental impact.

2.7 CHECKLIST SUPER SAM 325 PRO

INCLUDED:

- Backboard
- Pro 180° Equal Force Dunkring
- 6 swivel wheels
- 6 fixed wheels
- Maintenance-free pivot bearings
- Folded height max. 216 cm
- Forklift tubes in base frame
- Heightsetting 305 cm (senior)
- Heightsetting 260 cm (mini)
- Automatic lock on telescopic rod
- Foot operated beam-lock
- Front-, sides and neck padding set
- Auto DSF (Dynamic Sub Frame)

OPTIONAL:

- DSF/APF manual
- Padding in custom colors
- Shot clock brackets
- Additional ballast weight in base
- LED strip on backboard

2.8 CERTIFICATION

The Super SAM 325 PRO has been FIBA certified for top level (level 1 and level 2) competitions and complies with the European standard EN1270:2005 Playing field equipment. Basketball equipment. Functional and safety requirements, test methods.

FIBA APPROVED EQUIPMENT

CERTIFICATE OF APPROVAL

VALID UNTIL 31 DECEMBER 2021

FIBA (Fédération Internationale de Basketball) hereby declares, by means of this certificate, that the basketball equipment, indicated below, fulfils the standards specified in the latest edition of the FIBA Approval Programme for Basketball Equipment and therefore qualifies as

FIBA APPROVED EQUIPMENT

EQUIPMENT CATEGORY: BACKSTOP UNITS

CONTRACT NO: M24-2020

COMPANY: SCHELDE SPORTS

Approval Type	Model Name	FIBA Licence No.	Competition Level
Portable	Super SAM 325 – PRO (Laminated/ Tempered Glass)	BU24-01	1 & 2
Portable	Super SAM 325 (Laminated/ Tempered Glass)	BU24-01	1 & 2
Portable	Super SAM Multi-Adjust (Laminated/ Tempered Glass)	BU24-02	1 & 2
Portable	Super SAM 245 (Laminated/ Tempered Glass)	BU24-03	2
Portable	Sam 225 Club (Laminated/ Tempered Glass)	BU24-04	2

Level 1: FIBA National Team and Club Competitions plus other elite level national and international club and national team competitions,

National club competitions may be subject to additional rules issued by national governing bodies. 'FIBA National Team and Club Competitions' are defined in Book 2 of the FIBA Internal Regulations governing the FIBA Competitions. All equipment at these competitions must be FIBA Approved Level 1 and may display the official FIBA Approved Equipment logo in a FIBA approved layout or make reference to FIBA approval in a FIBA approved form.

Level 2: Any other competition not included in Level 1,

For Level 2, all technical specifications of basketball equipment must be respected, and FIBA Approved Equipment is strongly recommended.

Andreas Zagklis
FIBA Secretary General

January 2020

FIBA.basketball

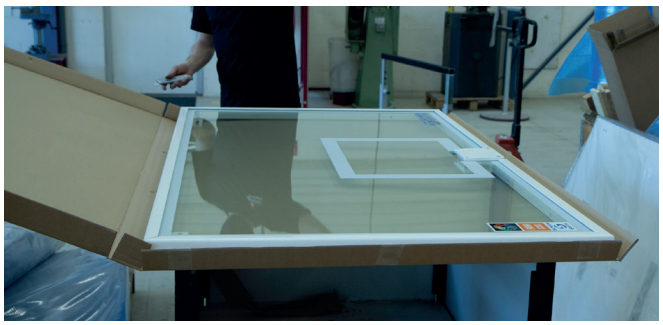
3 PACKAGING, WEIGHT AND SIZES

PACKAGE 1

Portable basketball goal

PACKAGE 2-A

Tempered glass backboard



PACKAGE 2-B

Backboard padding

PACKAGE 3

Dunk ring + net

PACKAGE 4

Set of side paddings left/right

PACKAGE 5-A

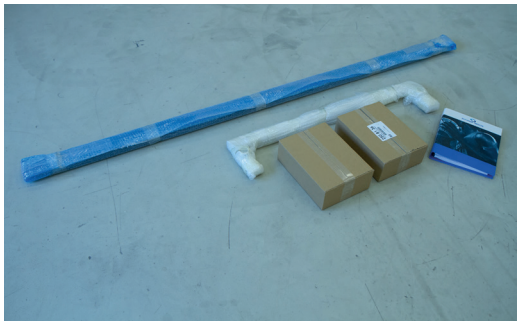
Neck padding

PACKAGE 5-B

Base padding

PACKAGE 6

Braces + tongues, hinges and fasteners for padding + chain for connecting the unit to the floor with safety hooks and accessory for the assembly of the glass backboard.



PACKAGE 7

Optional manual DSF feature (APF)

PACKAGE 8

Beam padding

4 INSTALLATION

Assembly portable basketball backstop:

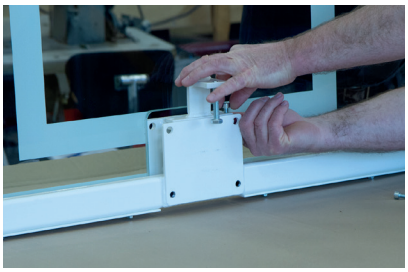
Warning

- Backboard, ring, net and padding may only be installed by qualified technical staff.
- Always comply with local building codes and safety regulations.
- Always work in a team of minimum two technicians.
- Always mount the backboard simultaneously with the ring.
- Use the temporary support tool for mounting the backboard.
- **DO NOT EVER REMOVE THE TRANSPORT BRACE WITHOUT THE BACKBOARD BEING MOUNTED ONTO THE BEAM!**
  The springs are under big tension. The weight of the backboard compensates this tension. Therefore the backboard must be mounted first and only then may the transport brace be removed.
- Store the transport brace and its fixings in a safe place (will be required if backboard needs replacement later on)
- Backboard is made of tempered glass : handle with care !

Assemble the backboard / basketball ring:

STEP 1

Mount temporary support onto the backboard frame.



STEP 2

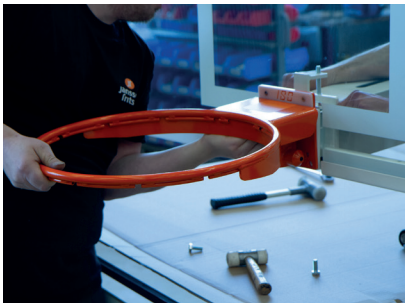
Hook up the backboard to the nose of the beam (minimum 2 persons needed!!). Use the two M10x25 bolts with washers for bolting the backboard onto the nose of the beam.

STEP 3

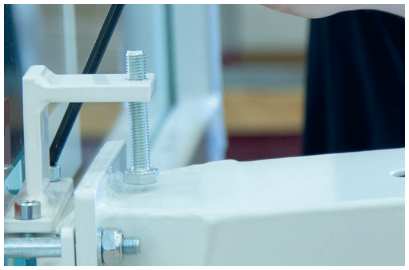
Insert the two M10x100 bolts through the backboard and the nose mounting plate of the beam and tighten the selflocking nuts.

STEP 4

Remove the cover from the basketball ring; mount the ring onto the heads of the M10x100 bolts and also mount the two M10x25 bolts in the lower ring holes.



STEP 5
Firmly tighten all bolts and nuts.
Remove the temporary support.

Installing backboard braces:

STEP 6
Mount the M12 adjustor forks and fixing plates to the top corners of the backboard using 2 carriage bolts M10x30 with lockring aand spring washer. Centre the mounting plate with the slotted holes of the backboard frame and tighten the nuts.

DO NOT TIGHTEN the adjustment forks yet, as these must still be adjustable at this point.


STEP 7
Mount the backboard braces to the top of the main beam using the pins supplied.

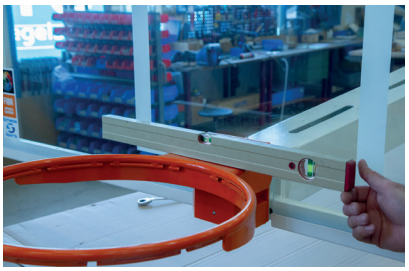

Horizontal/vertical adjustment of the backboard:

STEP 8
Use a water level to check that the horizontal beam of the base frame as well as the framed glass backboard are perfectly horizontal.

Perpendicular adjustment at a 90 degree angle is achieved by turning the backboard braces in or out; lock the M12 counternuts when the backboard is in correct position.


STEP 9

Important : mount backboard perpendicular to the main beam. After correct horizontal adjustment, firmly tighten all bolts and nuts of ring and backboard onto the beam mounting plate.



STEP 10

Mount cover plate back on the pressure release mechanism compartment of ring.

Installing the backboard padding:

STEP 11

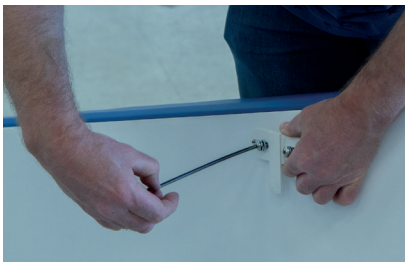
Install the two halves of the screw-on padding by inserting the bolts with lockrings and spring washers supplied along into the 6 holes (4 in bottom part and 1 in each side part).

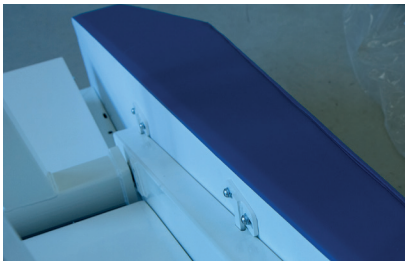
Removing the transport brace:

STEP 12

The transport brace can now be removed safely. Store it in a safe place, for possible future need (in case of transporting the backstop unit to a different hall, or when replacing the backboard).

Installing the side pads to the base frame





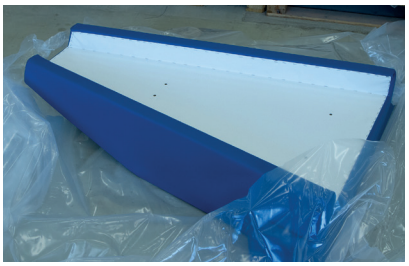
STEP 13

Install the mounting brackets (4 lugs supplied with M8x25 bolts, lock rings and spring washers) in the positions indicated at the rear of the padding panels, and then slide the side pads in the frame slots provided.

Installing the front pads (top part and bottom part)

STEP 14

Lower front pad : install the hinge part in the positions indicated, using the M8x25 bolts with lock rings and spring washers supplied.
Then slide the lower front pad over the welded hinge on the base frame and install it using the M8x65 bolts and lock rings.



STEP 15

Install the top front padding using the M10x30 bolts, rings and spring washers.

Installing the neck pad:

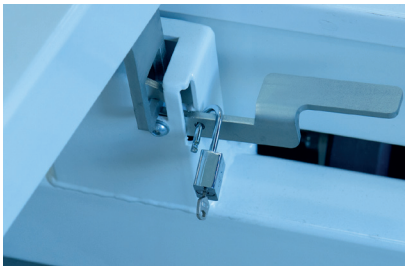
STEP 16

Stick the included velcro strips 2 cm measured from the top of the beam on both sides.
Now the neck pad can be added.

Installing padlocks:

STEP 17

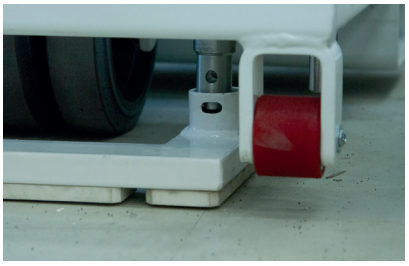
Installing the 2 padlocks:
Install the first padlock on the rear lock.
Mount the second padlock to the locking pin of the telescope.

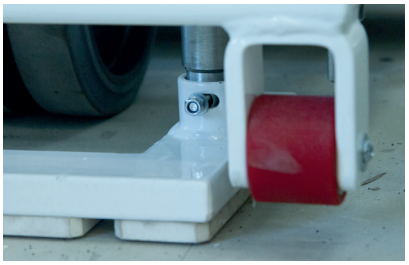


Installing/adjusting the dynamic sub frame

STEP 18

Position the DSF frame under the front of the base frame, whereby the sockets line up perfectly with the vertical rods at either side of the front. Gently lift the backstop to its game position, whereby the rods slide into the DSF sockets. Use two M6x50 bolts with washers and selflocking nuts for firmly fixing the rods into the sockets.





Installing the floor anchor:

STEP 19

Install the anchor according to the attached drawings 1 and 2.
Fix the chain to the eyebolt at the rear of the backstop and fix the other end to the floor hook by means of the D-lock.

DO NOT FULLY TIGHTEN THE CHAIN BUT LEAVE IT JUST A LITTLE BIT SLACK!

Check prior to first use:

STEP 20

Check if the up/down movement is fluent and smooth; if needed, the preset springtension can be adjusted (see further : adjusting spring tension).

5 OPERATING INSTRUCTIONS

STEP 1

Check if floor is free of debris, obstacles etc prior to moving the backstop, in order to avoid damage to the wheels.

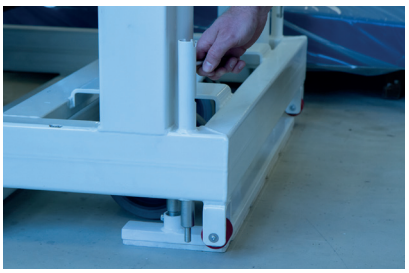
STEP 2

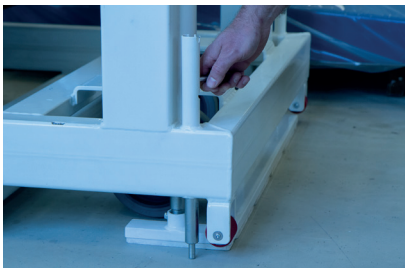
Move (push from the rear or pull from the ring) the folded backstop to the position desired.

IMPORTANT : ALWAYS MOVE THE UNIT FIRST IN THE DIRECTION (POSITION) OF THE SWIVEL WHEELS, THEN STEER THE UNIT ONCE IT IS IN MOTION

STEP 3

Roll the unit in its correct position and drop the front locator pins in the corresponding floor plates in the sportsfloor surface; the DSF/APF systems ensure a correct playing height when unit is raised to game position.





STEP 4-A

Connect the rear end of the base frame to the floor anchor using the chain and D-lock provided. DO NOT FULLY TIGHTEN THE CHAIN BUT LEAVE IT JUST A LITTLE BIT SLACK, this will avoid vibrations in the unit after heavy dunks.

STEP 4-B

Connect the two side eyebolts of the base frame to the floor anchors using the chains and D-locks provided. DO NOT FULLY TIGHTEN THE CHAIN BUT LEAVE IT JUST A LITTLE BIT SLACK, this will avoid vibrations in the unit after heavy dunks.

(this option is available in case rear anchoring is not possible; an extra anchor chain set must then be ordered)

STEP 5

Remove the padlocks at the rear frame catch and at the telescopic rod locking pin.

STEP 6

On the telescopic rod, turn the star-knob anti-clockwise and remove the pin from the hole. Turn the automatic locking pin to its “ready” position so it will snap into place when reaching the “up” position.

STEP 7

Unlock the rear frame catch (can be foot-operated) and lift the backstop to its “up” position, using the handle to the rear end of the main beam.

STEP 8

After the automatic lock pin has snapped into place, insert the pin and install the padlock. Turn the star-knob clockwise.

STEP 9

Use the height adjuster at the rear of the base frame for fine tuning of ring height, if necessary.

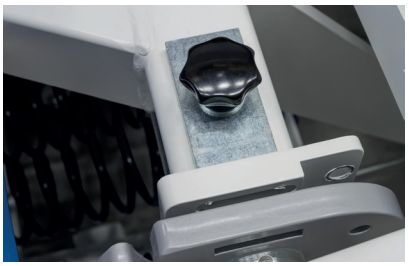
6 OPERATING INSTRUCTIONS FOR USE WITH MANUAL DSF/APF OPTION

STEP 1

Check, when the SAM unit is in storage position, the position of the sliding bracket:
Pulled out = automatic operation
Pulled in = manual operation

STEP 2

Make sure the sliding bracket is pulled in, to avoid the DSF or APF system from lowering automatically when you raise the main beam of the SAM unit into playing position.



STEP 3

Bring the SAM unit into playing position by raising the main beam and roll the unit towards the correct location behind the end line.

STEP 4

Once the SAM unit is in place, take the operating bars and place them in the cams of the DSF/APF (1 front left, 1 front right).

STEP 5

Push down, simultaneously with 2 persons, both the left and right operating bars down. By pushing down the bars, the front wheels of the SAM unit will lift off the floor and the front of the unit will support on the DSF or APF systems.

STEP 6

Place the operating bars underneath the storage bracket to keep the DSF or APF in playing position.

STEP 7

Lock the operating bars in the storage bracket by sliding in the locking pin.

STEP 8

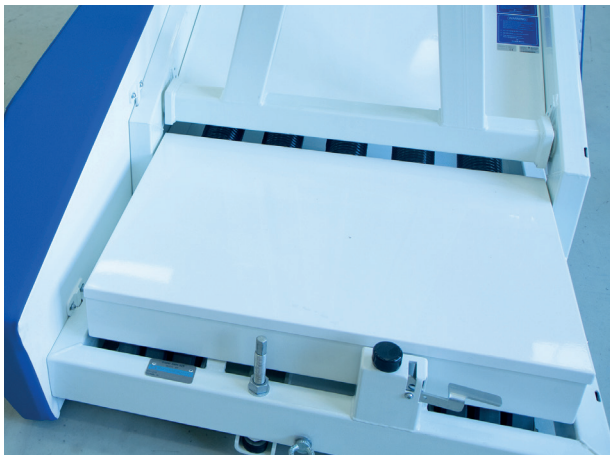
Secure the locking pins by using the padlock, in order to avoid tampering with the operating bars by none-authorized persons.

7 ADJUSTING THE SPRING TENSION

After a certain period of use, the tension of the springs may have decreased to the point of making it difficult to smoothly lower / raise the backstop. In this case the tension of the springs must be increased, in order to avoid damage to the unit. Especially if heavy shot clocks are mounted on top of the main beam, the springs will need to be adjusted in order to absorb the increased weight of the beam with shot clocks. Proceed as per below, if required.

STEP 1

Raise unit to game position.

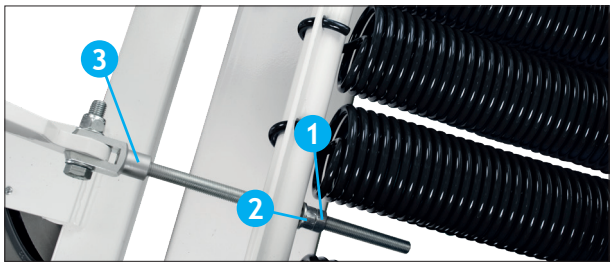


STEP 2

Expose springs and ballast weight compartment in base frame by removing the cover plates.

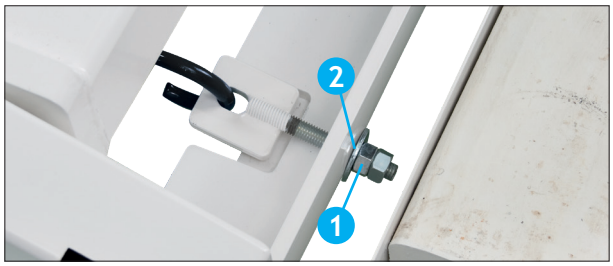
STEP 3

The springs are attached to a tubular tension bar, which itself ifs fixed to the moving front frame via threaded rods. Loosen the lock nuts (1) on these rods, turn nuts (2) clockwise so that the rod moves minimum 1 cm in the direction of fixing point (3).



STEP 4

Tighten lock nuts (1), while making sure that nuts (2) stay in place.



STEP 5

Raise and lower unit and repeat steps 1 through 4 until the up/down operation is a smooth process. Then install the cover plates again.

8 ADJUSTING THE SPRING PACKAGE

Adding a spring

The Super SAM 325 Pro has a provision for inserting an extra spring (if a shot clock is mounted on the beam, this extra spring will be mandatory for a smooth folding cycle).
With the extra spring comes a spring fixing plate which has a threaded rod at its rear end, plus a nut and a counternut. Slide the front hook of the spring over the tension bar, bring the spring in line with the other springs, hook up the spring fixing plate at the rear end and push the threaded rod through the frame cross member; then tighten nut 2 and secure by lock nut 1 (see picture).

9 OPTIONAL FITTINGS

- 1612090 : extra spring in compensation for the weight of a shot clock
- 1612091 : shot clock support for single-faced shot clocks
- 1612092 : shot clock support for four-faced shot clocks
- 1612095 : floor anchor set for side-anchoring of SAM Club and Super SAM (instead of standard rear anchoring)
- 3183039 : red LED strip for mounting on glass backboard frame
- 3183060 : yellow LED strip for mounting on glass backboard frame

10 MAINTENANCE

- Periodically lubricate the moving parts of the pressure release rings.
  Failure to do so will cause the ring to become stiffer, and eventually incur damage; absence of lubricating invalidates the warranty !
- Check if all bolts and nuts are tightly fixed.
- Check the wheels; damaged wheels can be very harmful to your sportsfloor.
- Check the general condition of the backstop : correct alignment, torn or damaged welds, any squeaking noises during operation or other visible or audible anomalies should be identified.
- Check the condition of the net.
- Check the safety pads for damages; damaged padding should always be replaced.
- Check and periodically adjust the tension of the springs (see elsewhere) if needed.
- Keep unit clean, keep it free of dust and dirt.
- Store backboard installation assist tool as well as transport brace in a secure place; these may be needed in future (in case of backboard replacement; and in case of moving the assembled backstop unit to a different hall, respectively).
- Use touch-up paint in case of surface damage to paintwork, in order to avoid corrosion build-up.