



Harrod UK

goal

post

safety

Information Pack

REVISION: MARCH 2015

harrod.uk.com

As the UK's leading Goal Post manufacturer we are very much committed to the issue of goal post safety. This information pack has been designed to provide you with important facts and guidelines that will ensure your equipment is safe both in use and whilst being stored.

Harrod UK have been the UK's representative on the Comité de Européan Normalisation (CEN) Safety Standards Committee since 1989 and were also a member on the 2003 FA Guidelines Committee. The committee's brief was to issue a definitive guide to goal post safety. This document has a strong emphasis on anchorage. Harrod UK manufacture anchorage solutions to suit every environment.

These guidelines are downloadable from the Harrod UK website www.harrod.uk.com/Safety-in-sport or call our sales office for a copy.

Unanchored posts have caused some alarming accidents and injuries especially when being misued.

To conform to European Safety Standards and FA Guidelines, anchors must be fitted to all freestanding goals irrespective of size or type. It is essential to conduct a risk assessment of your particular site to evaluate the suitability of specific types of anchorage.

Preferred options for freestanding goals are:

- 1. Integrally Weighted Goals**
- 2. Attachment of back bars to FIXED anchorage points
i.e. permanently concreted in anchors**
- 3. Attachments to surround fence by means of Fence Type Anchor**
- 4. Attachment of adequate freestanding weights, i.e. Counterbalance Type**

Freestanding weights are an effective temporary method of stabilising goal posts, but care should be taken to ensure the correct amount of weight is used i.e. Full size Freestanding and Mini Soccer goals require 6 x ANC-005 per goal. Five A Side goals require 4 x ANC-005 per goal.

When other forms of anchors are to be used i.e. 'U' Pegs, Spira locks or Cork Screw Types, soil conditions play an important part as they may not hold adequately in certain ground conditions. Therefore these types of fixing should only be used where quantitative evidence exists of their effectiveness under the worst predictable ground conditions.

Care should be taken to ensure the attachment of anchors does not create an additional hazard such as entrapment or trip.

Goal posts must be anchored at all times whether in use or storage.



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Background

The issue of football goal post safety is far from a new one; as long ago as 1991 we were involved in the BBC “That’s Life” programme with Esther Rantzen which highlighted the problem. For sometime previous to that programme we had been advocating the use of anchors with ALL portable goals. Since then we have been successful in getting the Football Association and Health & Safety Executives to issue directives to all users of free-standing goals to advise that they must be anchored at all times.

The issues

There are many thousands of sets of free-standing goals in use every day, including full size (7.32m x 2.44m) , various junior sizes, mini-soccer size (3.66m x 1.83m) and five a side goals which are 1.22m high. The vast majority of these are manufactured by bone fide companies like ourselves and many will comply with the current European Standards (BSEN 748 & BS 8462) if anchored as per our recommendations. They will be perfectly safe in use and we have never had a problem with any of our goals in this respect.

The problem seems to be when “home-made” goals are used, or when goals have been altered from their original specification (as we believe was the case in the tragic Jack Sherrin accident) and as a consequence the goals become unstable.

Goals are frequently moved and assembled ready for use by children these days, and they have little perception as to any dangers. If these goals are not inspected prior to use by either referees, coaches, teachers or parents, then potentially dangerous situations can develop.

The Industry (and in particular our own Company) has been doing all it can to eliminate these tragic accidents. Indeed we have represented the UK on the European Standards Committee for the last 17 years and standards now exist for goals. These include testing guidelines for toppling forces and crossbar strength.



Tragically, during the past few years several children including Jack Sherrin, a 7 year old from West Yorkshire, and Jonathan Smith, an 11 year old from Essex, have been killed by falling goal posts.

CEN Committee

The Committee for European Standards (CEN) is the governing body by which safety standards are set throughout the EEC. It is a committee aiming to ensure that all equipment is manufactured to the highest safety standards and creates awareness of the high level of responsibility bestowed upon the authorities responsible for the equipment and its use. You should always look for products that conform to BS EN standards.

Safety guidelines laid down by CEN state that all full size free standing goals & posts for sports such as Football & Hockey must be firmly anchored throughout their use. Failure to comply with these CEN directives could lead to prosecution, or worse still, fatal injuries. If you are responsible for sports equipment, then it is your duty to ensure that it is properly maintained, secure, and safe.

How the CEN Standards affect you

- All free-standing goals must be anchored in use and storage. If stored against a wall or fence they must be securely attached so they cannot fall over.
- All socket type goals should be cemented into the ground.
- The use of Steel Cup Net Hooks was banned by the FA from the start of the 2007/08.
- All equipment must be checked before it is used to ensure it is safe and it has not been tampered with or vandalised.

OFFICIAL GOAL SIZES

Type of Football	Size (MM)	Appropriate Specification
Eleven-a-side (Full size)	7320 x 2440	BS EN 748
Youth Football	6400 x 2130	BS EN 8462
9 v 9	4880 x 2130	BS EN 8462
Mini Soccer	3660 x 1830	BS EN 8462
Small Sided Football	4880 x 1830	BS EN 8462
	4880 x 1220	BS EN 8462
	3660 x 1830	BS EN 8462
	3660 x 1220	BS EN 8462
	2440 x 1220	BS EN 8462
Futsal	3000 x 2000	BS EN 8462



Above is an example of an official Test Certificate proving conformance of Goal Posts to the appropriate specification.

Goal Post Standards

British Standard For European Normalisation BS EN 748

Applicable for socketed and freestanding metal football goal measuring 7.32m x 2.44m and 5m x 2m. Elbow Net Supports to be supplied as per National Playing Fields recommendations. The use of Steel Cup Net Hooks was banned by the FA from the start of the 2007/08 season.

Testing - Strength Test

The crossbar must be tested for strength. To pass this test they must be able to withstand a vertical force of 180kg applied to the middle of the crossbar for 1 minute. The crossbar should then not have a permanent deformation of more than 10mm max. after 30 minutes have elapsed.

Testing - Stability Test

The goals must undergo a stability test where a horizontal force of 110kgs is applied to the centre of the crossbar and the goal must remain stable and not topple over. The net must be tested for breaking force and be a maximum 120mm square mesh.

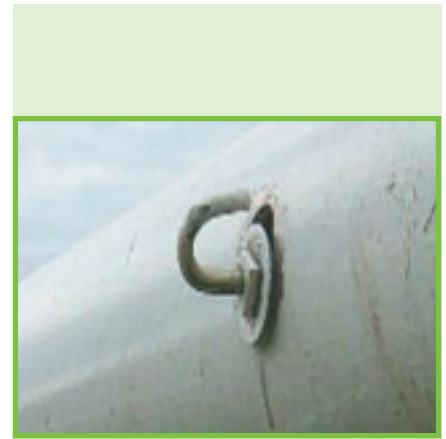
Instructions

All manufacturers must provide written instructions for assembly, installation, use, storage, maintenance and anchorage.

Warning Label

All goals must have labels bearing safety information and the goals intended use. Manufacturers must show the standard it conforms to, it's size, the name of the manufacturer, and the year of manufacture.

All Harrod UK Senior Goals have been independantly tested by a recognised testing house and conform to BS EN 748. Certificates of conformity are sent with all goals.



THESE POSTS MUST BE ANCHORED AT ALL TIMES*

This 7.32 x 2.44m Football Goal conforms to:

BS EN 748:2004

Providing it is anchored in accordance to the manufacturer's instructions

IMPORTANT SAFETY NOTICE

- This goal is designed to be used for football only and no other purpose.
- Check all fastenings are fully tightened before using this product and check periodically afterwards.
- Ensure that the goal is secured at all times by means of the appropriate anchoring system at marked points.
- Do not climb on the net or goal framework.

* Integral weighted portagoles conform to BS EN 748:2004 without any additional anchorage.

Harrod
BY LIMITED

Spare parts and guidance on goal post safety may be obtained from
www.harrod.uk.com

MANUFACTURED IN 2007

WARNING SWINGING ON THIS CROSSBAR CAN CAUSE SERIOUS INJURY

Goal Post Standards

British Standard - BS 8462

Applicable for socketed and freestanding football goals measuring 6.4m x 2.13m and under.

Testing - Strength Test

Youth Football, 9 v 9 and Futsal Goals

The crossbar must be tested for strength. To pass this test they must be able to withstand a vertical force of 180kg applied to the middle of the crossbar for 1 minute. The crossbar should then not have a permanent deformation of more than 10mm max. after 30 minutes have elapsed.

Mini Soccer and Small Sided Goals of which the total mass is equal or greater than 18.0kg

The crossbar must be tested for strength. To pass this test they must be able to withstand a vertical force of 80kg applied to the middle of the crossbar for 1 minute. The crossbar should then not have a permanent deformation of more than 10mm max. after 30 minutes have elapsed.

Mini Soccer and Small Sided Goals of which the total mass is less than 18.0kg

The crossbar must be tested for strength. To pass this test they must be able to withstand a vertical force of 30kg applied to the middle of the crossbar for 1 minute. The crossbar should then not have a permanent deformation of more than 10mm max. after 30 minutes have elapsed.

Testing - Stability Test

Youth Football, 9 v 9 and Futsal Goals

The goals must undergo a stability test where a horizontal force of 110kgs is applied to the centre of the crossbar and the goal must remain stable and not topple over. The net must be tested for breaking force and be a maximum 120mm square mesh.

Mini Soccer and Small Sided Goals of which the total mass is equal or greater than 18.0kg

The goals must undergo a stability test where a horizontal force of 70kgs is applied to the centre of the crossbar and the goal must remain stable and not topple over. The net must be tested for breaking force and be a maximum 120mm square mesh.

Mini Soccer and Small Sided Goals of which the total mass is less than 18.0kg

The goals must undergo a stability test where a horizontal force of 30kgs is applied to the centre of the crossbar and the goal must remain stable and not topple over. The net must be tested for breaking force and be a maximum 120mm square mesh.

Obligations and responsibilities

Anyone involved in providing facilities for other people to use may well have a duty, morally and in some circumstances legally, to make sure the facilities are safe. As the provider, operator, manager or designer of a facility, duties and obligations are set out in one or more of various acts, including Occupier's Liability Acts of 1957 and 1984, various items of health and safety law and in case law dealing with negligence. You may also have to have insurance. Depending on your role, you may need public liability, employer's liability or professional indemnity insurance.



IMPORTANT SAFETY NOTICE

LBL003

CHECK all the fastenings are fully tightened before using this product and check periodically afterwards.

LUBRICATE all moving parts regularly and ensure that they are working correctly.

REPAIR chips and scratches - touch up promptly to avoid rusting and paint bubbling.

All Harrod UK Small Sided Goals have been independently tested by a recognised testing house and conform to BS 8462. Certificates of conformity are sent with all goals.

BS 8461 Code of Practice

BS8461 Football Goals - Code of Practice for their procurement, installation, maintenance, storage and inspection

Procurement

Goals, nets and fittings for use should conform to BS EN 748 or BS 8462, as appropriate (see table 1 on page 3).

Goals should be purchased as a complete unit (e.g. goal, net, anchors, chains, etc. together with any other accessories that may be needed).

Replacement items for a goal should always be purchased from the original manufacturer or supplier and it is important to ensure that the combination of goal and new component will continue to conform to BS EN 748 or BS 8462, as appropriate.

Installing Goals

On receipt, a new goal should be checked carefully to ensure it has not been damaged in transit and that all parts are present. In the event of any parts being missing, the goal should not be assembled, nor used in an incomplete state.

Goals should always be installed in accordance with the manufacturer's instructions.

Installation should only be undertaken by, or under the direct supervision of, trained persons with enough experience and with adequate assistance for the size of the goal being erected.

Socketed Goals

Goal post sockets should always be set into concrete. Always install as per manufacturers instructions to determine dimensions of concrete and ensure a minimum cube of 600mm x 600mm.

Although the information contained in these new British Standard Guidelines are specific to football, they represent best practice for any sports posts and should be adopted wherever posts and nets are used in team sports



BS 8461 Code of Practice

BS84619

Football Goals - Code of Practice for their procurement, installation, maintenance, storage and inspection

Free-standing Goals

Free-standing goals should be properly stabilised in accordance with the manufacturer's instructions. They must be anchored at all times whether in use or storage.

Free-standing goals are only safe if they are properly stabilised. Most of the commonly used methods of stabilisation can be affected by poor installation techniques as well as by poor ground conditions. For this reason, the most reliable methods of stabilising free-standing goals are:

- attaching the back bar of the support frame to permanent fixing points, for instance, eyebolts, stainless-steel loops set in concrete blocks in the correct position or suitable attachment points on a permanent fence or wall
- using adequate weights attached to the back bar of the support frame in the correct positions specified by the manufacturer

When other forms of anchors are to be used i.e. U pegs or Spira Locks, soil conditions play an important part as they may not hold adequately in certain ground conditions. Therefore these types of fixing should only be used where quantitative evidence exists of their effectiveness under the worst predictable ground conditions. Care should be taken to ensure the attachment of anchors does not create an additional hazard such as entrapment or trip. The use of pins, u-staples or screw-in anchors on natural turf pitches is generally not recommended as these types of fixings may provide inadequate stability on some types of ground or under certain weather conditions. They should be used only if there is evidence that they are effective under the worst possible predictable ground conditions on the site in question.

Although the information contained in these new British Standard Guidelines are specific to football, they represent best practice for any sports posts and should be adopted wherever posts and nets are used in team sports.



BS 8461 Code of Practice

BS8461

Football Goals - Code of Practice for their procurement, installation, maintenance, storage and inspection

Moving Goals

A goal may be at its most dangerous when it is being moved. Under these circumstances, most types of goal are detached from any anchors, weights, fixing points or sockets and are therefore unstable.

Goals should never be moved without an adequate number of physically fit and capable people who have been fully trained to use proper lifting techniques. A full-sized goal should never be moved using fewer than four adults.

NOTE: Guidance notes from the Health and Safety Executive (such as Getting to grips with manual handling [2]), give advice on lifting and moving heavy objects safely.

Manufacturer's instructions on moving goals should always be followed. Goals should never be dragged across the ground as this may damage the goal and/or the playing surface. If wheels are fitted to the goal, they should be used correctly, in accordance with the manufacturer's instructions. Wheels should be of a type suitable for the surface across which the goal is to be moved.

Goals fitted with four wheels can easily topple if they are pushed in the wrong direction and should only be moved by pushing the uprights in a backwards direction. Goals with two wheels should be moved by lifting the back bar and pulling in a backwards direction. If the ground is soft, wheeled goals should be lifted.

Storing Goals

Goals should be properly stored when they are not in use. Stored goals should never be left accessible, upright or unstabilised. Socketed goals and folded free-standing goals should not be left leaning unsecured against a wall or fence. They should be locked securely and safely to a wall or fence. If this is not possible they should be left lying flat on the ground so that they cannot fall over.

Movable goals may be left safely by chaining them face to face in pairs or putting them in securable enclosures. If no method is available to store goals safely it is safer to leave them in place, properly stabilised as if in use.



BS 8461 Code of Practice

BS8461

Football Goals - Code of Practice for their procurement, installation, maintenance, storage and inspection

Inspecting Goals

Goals should be inspected regularly to ensure that they are still safe to be used.

It is not possible to specify exactly what checks should be made or at what intervals, because the conditions under which goals are kept and used vary so widely. It may be necessary to check a goal which is permanently installed in an open public space every day, while one which is in a locked, fenced enclosure and is only ever used by an organised club at a high level with supervision may need to be checked relatively infrequently. The type and thoroughness of the checks may also vary with the type of goal.

The following inspection procedures should be used as a guide to establish the minimum frequency and level of checks required for any one set of goals. The parameters should be reviewed in the light of actual events; if the records show that faults are found at each inspection the frequency of inspections should be increased.

Inspection type 1

Undertaken at least every week, and before any game or training activity. Undertake a thorough visual check of the whole goal and check for the following:

- loose and missing nuts, bolts, pins and other fixings;
- firm attachment to anchoring points or signs of movement in sockets;
- broken or missing net fixings;
- any broken cord in the nets;
- bent sections or other damage to any part of the goal;
- that all identification and instruction labels are firmly attached and fully legible

Inspection type 2

Undertaken each time a goal is repositioned.

Undertake all the checks listed under inspection type 1 and:

- check that the goal has been firmly reattached to all of its anchors;
- check that the anchors are secure;
- if weights are used, ensure that they are all present.

The manufacturer's label on the goal should say what weight is needed to stabilise it;

- check that the goal has not been bent or otherwise damaged whilst being moved.



BS 8461 Code of Practice

BS84619

Football Goals - Code of Practice for their procurement, installation, maintenance, storage and inspection

Inspection type 3

Undertaken once every twelve months ideally prior to the start of every season.

Undertake all the checks listed under inspection types 1 and 2 and the following:

- check (every goal) for strength and stability, in accordance with BS EN 748 or BS 8462, as appropriate.
- A goal's strength or stability should never be tested by hanging or swinging from the crossbar.

Repairs to damaged or faulty goals

If a goal is found to be damaged, or if faults are found during an inspection, the goal should be withdrawn from service until the defect is made good.

Goals should not be modified or repaired by welding or by substituting incorrect parts. No repair should be made that changes the structural integrity, design or shape of the goal.

Goals should be repaired using only the correct parts supplied by the original manufacturer/supplier. Repairs to any goal frame or ground socket should be undertaken only by the goalpost manufacturer or his authorised agent.

Records

A permanent identification label should be attached to every goal. On receipt/installation of a new goal, a log book should be established to record when the goal was purchased and first erected, together with how it was installed and how it is maintained.

The log book should be kept for a minimum of 21 years to ensure that evidence of good practice is available in the event of any subsequent legal proceedings.



GOAL RECORD SHEET				
Goal Reference	Pitch 1 North End			
Date	Type of check	Findings	Action taken	Checked By
10/04/18	Visual	Checked base on left hand upright	Found no issues	Harry Pitts
10/04/18	Visual	RF of	None	Harry Pitts
2nd Jan 18	Full	Goal found strength of stability test - no other problems	Full Goal Post Ref. Assessment undertaken	Harry Pitts
10/04/18	Visual	Goal Net Base Bolts and Backer washers some not fully attached	Re-tightened net and clips and fit to goal	Harry Pitts

Record Sheets

Example 1 - Goal Record Sheet

GOAL RECORD SHEET



Goal Reference		<i>Pitch 3 North End</i>		
Date	Type of check	Findings	Action taken	Checked By
<i>10th Dec</i>	<i>Weekly</i>	<i>Scratched Paint work on left hand upright</i>	<i>Painted over required area - Used Harrod UK White touch up paint</i>	<i>Harry Pitts</i>
<i>18th Dec</i>	<i>Weekly</i>	<i>All ok</i>	<i>None</i>	<i>Harry Pitts</i>
<i>2nd Jan 06</i>	<i>Full</i>	<i>Goal Passed Strength & Stability Test - No other problems</i>	<i>Full Goal Post Risk Assessment undetaken</i>	<i>Harry Pitts</i>
<i>10th Jan 06</i>	<i>Weekly</i>	<i>Goal Net has holes and broken meshes, some net hooks also missing</i>	<i>Purchased new net and clips and fitted to goal</i>	<i>Harry Pitts</i>

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Example 2 - Goal Inspection Sheet

GOAL INSPECTION SHEET



<i>Site</i>	<i>Walmer Road</i>	<i>Pitch No.</i>	<i>3</i>
<i>Goal Reference</i>	<i>Pitch 3 North End</i>	<i>Type of Goal</i>	<i>Socketed Aluminium</i>
<i>Size of goal</i>	<i>7.32m x 2.44m</i>	<i>Stability Test Pass</i>	<i>Yes / No</i>
<i>Strength Test</i>	<i>notes:</i>	<i>Start Height</i>	<i>mm</i>
		<i>Finish Height</i>	<i>mm</i>
		<i>Deflection Test</i>	<i>mm</i>
		<i>(more than 10mm is a fail)</i>	<i>Pass / Fail</i>
<i>Supplier or Manufacturer</i>	<i>Harrod UK Ltd</i>	<i>Date of manufacture</i>	<i>Feb 2005</i>
<i>Inspected By</i>	<i>Harry Pitts</i>	<i>Date of inspection</i>	<i>10th Jan 2006</i>
<i>Findings</i>	<i>Goal Net has holes and broken meshes, some net hooks also missing</i>		
<i>Action Taken</i>	<i>Purchased new net and clips and fitted to goal</i>		
<i>Contact details for spares and repairs</i>	Harrod UK Ltd, Pinbush Road, Lowestoft, Suffolk, NR33 7NL Tel: 01502 583515, Fax: 01502 58246, Email: sales@harrod.uk.com		

Preferred Goal Post Options

1. Socketed Goal Posts

Sold in sets of two goals in steel or aluminium.

It is highly recommended that all ground sockets are concreted in. Elbow Bracket Net Supports must be in accordance with NPFA regulations.

Metal Cup hooks are banned.

The ideal goal post for grass pitches.

2. Folding Goal Posts

Ideal for synthetic surfaces, the folding goal is easily wheeled by two people neatly back against a surround fence when not in use, allowing space and freedom for other sports.

Support posts made from 100mm x 100mm galvanised steel, and require permanent concrete installation.

Suitable for synthetic surface pitches.

3. Integral Weighted Goal Posts

Harrod UK's uniquely designed Integral Weight Portagoal has been developed and independently tested to meet BS EN standards for weighted goals. The goal is completely safe to use at all times without the need for separate anchorage, whilst still enjoying the manoeuvrability that is required of a portable goal.

Suitable for synthetic surface pitches, can also be used on grass.

4. Freestanding Goal Posts

Freestanding goals conform to BS EN when anchored to manufacturers instructions.

- Attachment of back bars to FIXED anchorage points.
i.e. permanently concreted in anchors (FBL-055/ANC-008/ANC-020)
- Attachments to surround fence by means of Fence Type Anchor (ANC-022)
- Attachment of adequate freestanding weights (ANC-005)

Counterbalance Weight Requirements:

Full Size Goals = 6 x ANC-005

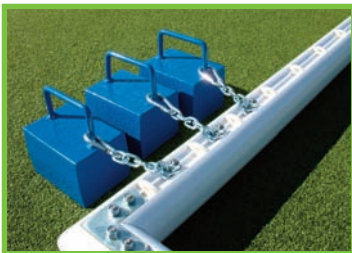
Junior Size Goals = 6 x ANC-005

9 v 9 Size Goals = 6 x ANC-005

Mini Soccer Goals = 6 x ANC-005

Five A Side Goals = 6 x ANC-005

Futsal Size Goals = 6 x ANC-005



Goal Post Anchors

1. Grass Anchor G

For freestanding Football, Mini Soccer/Five-a-side and other Portable games posts.

- Complete with a galvanised chain carbine clip and 'U' type bracket.
- Patent No 9117137-1
- Suitable for either grass or for concreting below artificial surfaces.
- To fit up to 34mm diameter back tubes.
- Available in sets of four (can be supplied in sets).

Weight 10kg per set.

FBL-055

Requirements = 2 Anchors Per Goal

2. Heavy Duty Anchor G S

Heavy duty version of FBL-055.

- Must be used for hockey goals on very soft ground, supplied in sets of two complete with anchor chain and clip for attachment to back rails.

Weight 14kg per set.

ANC-008

Requirements = 2 Anchors Per Goal

3. Spirafix® Kit for Shelters G S

Easy to install, the spirafix ground anchor penetrates most ground conditions, dealing with obstructions such as tree roots, small bricks and stones.

- Easily removed and re-used.
- Removal tool included.
- Complete with locating pegs to ensure accurate installation.
- Spira-Lock Kit for 4m Shelter (5 Included)

ANC-012

Spira-Lock Kit for 2.5m Shelter

(4 Included)

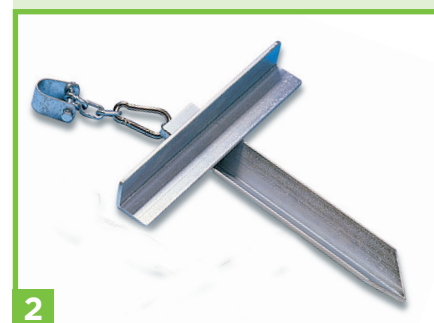
ANC-013

1. ANC-008 Heavy Duty Anchor FBL-055 Grass Anchor



1

2. ANC-008 Heavy Duty Anchor



2

3. ANC-012 Spirafix Anchor



4

Denotes suitability for use on a particular surface:

G = GRASS

S = SYNTHETIC

I = INDOOR

Goal Post Anchors

1. Counterbalance Weight Anchor

G S

- Comprises of a 17kg Handbag style weight complete with chain, carbine clip and a 'U' type bracket to fit up to 34mm diameter back tubes.

Sold singularly

Weight 17kg per Anchor.

ANC-005

Requirements:

Full size goals = 6 Anchors Per Goal

Junior size goals = 6 Anchors Per Goal

9 v 9 size goals = 6 Anchors Per Goal

Mini Soccer goals = 6 Anchors Per Goal

5-a-side goals = 4 Anchors Per Goal

Futsal size goals = 6 Anchors Per Goal

2. Sports Hall Counterbalance Weight

Counterbalance weight as ANC-005, with rubber pad on base. Sold singly

Weight 17kg per Anchor.

ANC-009

Requirements as per ANC-005

3. Tarmac Type Anchor

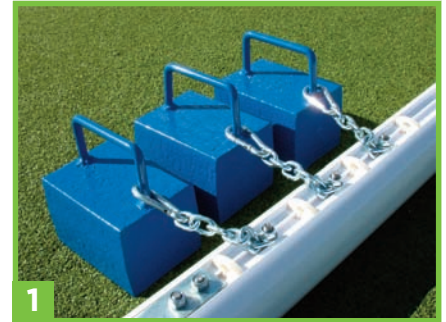
- Specification as FBL-055 Grass Type socket but with no stabilising bar.
- Designed to be installed below ground level, with hole pre-former for installing directly through tarmac surface.
- Available in sets of four (can be supplied in half sets).

Weight 3.5kg per set.

ANC-004

Requirements = 2 Anchors Per Goal

1. ANC-005 Counterbalance Weight Anchor FBL-055



1

2. ANC-009 Counterbalance Weights



2

3. ANC-004 Tarmac Weights



3

Denotes suitability for use on a particular surface:

G = GRASS

S = SYNTHETIC

I = INDOOR

Hockey Goal Guidelines & Standards

BS EN 750

Ensure goals conform to BS EN 750.

To pass this test they must be able to withstand a vertical force of 180kg applied to the middle of the crossbar for 1 minute. The crossbar should then not have a permanent deformation of more than 10mm max (this simulates 3 adults swinging on the crossbar). They also undergo a stability test where a horizontal force of 110kgs is applied to the centre of the crossbar and the goal must remain stable and not topple over.

Ensure the goals are assembled as per manufacturers installation instructions.

If used on grass, it is essential that you install 2 heavy-duty grass ground anchors per goal. These anchors come complete with chains and clips for attachment to the back rails. It is imperative that the ground anchors are correctly installed in the ground at the angle recommended and tested as below for safety prior to use.

If used on a synthetic pitch, the goals must be suitably anchored to conform to BSEN 750:2004.

This can be achieved by either:

- a:** installing a ground anchor below the synthetic grass level
- b:** by attaching the goal to the nearest perimeter fixing point. A chain or flat bar can be used to achieve this, but care should be taken so as not to create another potential hazard when installing this option
- c:** attaching counterbalance weights (175kg in total or 10 ANC-005 anchors) to the back of each goal.

Care must be taken to ensure any anchors are correctly installed on the goals as recommended in our instructions and always test as below for safety prior to use.

- Always test goal anchorage as follows:-
- Exert a downward pressure on the crossbar
- Exert a forward pressure on both upright posts
- If the posts fail to remain secure, check the installation of the anchors. It may be necessary to use additional anchors. Once these have been fitted, apply the above tests again.



Hockey Goal Guidelines & Standards

BS EN 750

Steel cup hooks are not to be used, nor have they been fitted to Harrod UK goals since 1990. We can offer various solutions for fixing nets to goals.

Before each use check all fixings are securely fitted i.e. all bolts and back supports if fitted.

Under no circumstances should children or adults be allowed to climb, swing on or play with the structure of the goalposts, or on the nets. Home made goalposts have been a cause of a number of deaths and injuries. Such goalposts should under no circumstances be used. When moving freestanding goals, always ensure that sufficient people are used to enable them to be carried in a safe and stable manner. Wheel options are available for all Harrod UK hockey goals and make transportation both safe and easy.

When using folding hockey goals always ensure you have at least one person at each end of the goal, as they are likely to become unstable if only one person is present.

When goals are brought onto the playing area and positioned for play, it is vital that they are not left unanchored whilst the next goal is being made ready.

For indoor anchoring options see anchor page.

Always make sure the goals are secured even when not in use.

Nets need to be a maximum 45mm square mesh to conform to BS EN 750. However the vast majority of nets supplied are however 50mm square mesh which is the usual standard supplied to the UK market. These will not conform to the standard requirements.

If pitch is accessible when unsupervised, we recommend that goals are removed from the playing area and either stored away or secured to the nearest fence to ensure they are safe.

Periodically check structure for signs of vandalism.

Other Sports Standards

There are standards specified for other sports, they follow the general best practice instructions already laid out in the manual. The relevant standards are listed below.

Badminton	BS EN 1509
Basketball	BS EN 1270
Handball	BS EN 749
Volleyball	BS EN 1271



Reference

The Football Association, Football Goals - Guidance Notes, http://www.thefa.com/NR/rdonlyres/8C25553B-01E4-48D3-8B39-A59EA1CD904D/91238/GoalpostSafety_Notes.pdf [Accessed 27th March 2007]

BS EN 748, Playing field equipment - Football Goals - Functional and safety requirements, test methods, (London: BSI, 2004)

BS 8461, Football Goals - Code of Practice for their procurement, installation, maintenance, storage and inspection, (London: BSI, 2005)

BS 8462, Goals for youth football, futsal, mini-soccer and small-sided football - Specification, (London: BSI, 2005)





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