



# //AstroTech<sup>®</sup>

[Sports Equipment]



**TECHNICAL<sup>®</sup>**  
**SURFACES**

Maintaining Standards





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# Introducing... AstroTech®

Technical Surfaces is the largest specialist synthetic sports pitch maintenance company in the UK. With more than 25 years' experience within the industry, we undertake more than 50 site inspections each week, not only carrying out assessments of the surfaces, but also safety checks of the facility, including the equipment itself.

Using this information Technical Surfaces has over the last few years been formulating a range of equipment designed specifically for synthetic surfaces.

The AstroTech® range has been chosen to overcome the many problems faced by facility managers. Better design techniques and higher grade materials where necessary ensure that the products conform to the latest British and European Standards. Computerised tracking during the manufacturing process optimises quality control whilst ensuring that delivery times are met. Indeed, many of the products in the AstroTech® range are carried in stock to allow for a fast turnaround whether pre or mid season.

Unlike other companies, most of the products in the AstroTech® range are available as single items and not just sets. This helps clients who may suffer vandalism or damage to the equipment and need to replace just one goal or net.

The AstroTech® range is specific to synthetic surfaces and has been formulated by looking and listening to facility managers across the country. We have tried to limit the products on offer to those that will supply you best value over the longer term, as well as ensuring utmost safety.

Indeed, the AstroTech® range goes far beyond compliance, striving to resolve safety issues whilst ensuring its usability from the perspective of both the player and the facility manager. Latest innovations include 'folding' football goals, which can be easily moved into position for play but store away safely after use, and the weighted roller goals, which remove the need for additional anchors points entirely.

We hope the AstroTech® range will be of great benefit to your facilities. If you have any questions we would be happy to help.

All equipment in the AstroTech® range carries a test certificate showing its compliance with the relevant standards.



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# Goal Post Safety

In the past, many serious and some fatal accidents have occurred due to inappropriate usage, maintenance, construction, design and / or installation of goals.

In the UK, standards for goal posts and nets for a variety of sports are set by the Comité de Européan Normalisation (CEN), which has been in existence since 1989. Other standards have also been set in more recent times by the British Standards Industry (BSI), specifically for youth, 9 v 9, mini, small-sided football and Futsal.

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

## FOOTBALL

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.

Freestanding goals conform to **BS EN** when anchored to manufacturer's instructions. 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:

- **Integrally Weighted Goals**
- **Attachment of back bars to FIXED anchorage points i.e. permanently concreted in anchors**
- **Attachments to surround fence by means of Fence Type Anchor (ANC022, see page 5 for more details)**
- **Attachment of adequate freestanding weights, i.e. Counterbalance Type (ANC005, see page 5 for more details)**

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.

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

## HOCKEY

When used on a synthetic pitch, Hockey goals must be suitably anchored to conform to **BS EN 750: 2004**.

This can be achieved by either:

- **Installing a ground anchor below the synthetic grass level**
- **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**
- **Attaching counterbalance weights (10 x ANC005, see page5 for more details)**



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# Goal Post Anchors

## Counterbalance Weight Anchor



- Suitable for use on grass, artificial and 3G surfaces
- Polyester powder coated blue
- Fits on to backbars up to 43mm dia.
- 17kg Handbag style weight complete with 3 link galvanised chain, carbine clip and 'U' type bracket
- Nut and bolt included for use with aluminium goals

### Weight Requirements (per goal):

Hockey	=	10
Full size Football	=	6
Mini Soccer	=	6
9 v 9 / Futsal	=	6
Five-a-Side	=	4

Counterbalance Weight Anchor  
(ANC005)



## Tarmac Anchor



### For all Freestanding Football and other portable games posts

- Fits on to backbars up to 43mm dia.
- Complete with galvanised chain and caribena clip

**Requirements: 2 Anchors per Goal**

**Cost includes installation**

Tarmac Anchor  
set of 4 (installed)



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# Football



## Senior Football p.7

- Goals
- Nets

## Junior Football p.8

- Goals
- Nets

## 9 v 9 Football p.9

- Goals
- Nets

## 7 v 7 / 5 v 5 Football p.10

- Goals
- Nets

## Small sided Football p.11

- Goals
- Nets

## 5-a-Side (senior) p.12

- Goals
- Nets

## 5-a-Side (junior) p.13

- Goals
- Nets

## Fence Folding Goals p.14

## Transportation Wheels p.15

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# Football Senior

(7.32m x 2.44m)

Required Anchorage (p. 5)



## 3G 'Original' Integral Weighted Goals



- The UK's best selling weighted goal
- The unique roller system with Hi-Raise wheels allows easy manoeuvrability on synthetic and 3G surfaces
- Fully welded corner joints provide superior strength and added safety
- Uprights, Crossbars & Sidebars made from 102mm x 112mm reinforced aluminium
- Full length net supports made from 31.8mm diameter galvanised steel
- Full length bottom net retaining bar
- Puncture proof front cellular rubber tyres
- Polyester powder coated white (excluding rollers)
- Set consists of: 2 goals, 4 cellular hi-raise wheels; 24 individual galvanised steel rollers; 140 lock-on synthetic net hooks
- Required Net: **FBL636**

FBL635 Goals  
FBL636 Nets



## 3G Weighted Portagoals - NEW



- Hi-raise wheels lift the goal up to 100mm above the surface, allowing for manoeuvrability on both grass and synthetic surfaces
- Fully welded corner joints provide superior strength and added safety
- Uprights, crossbars, sidebars & backbars made from 102mm x 112mm reinforced aluminium
- Full-length net supports made from 31.8mm diameter galvanised steel
- Zinc-plated internal corner joints
- Puncture-proof front cellular rubber tyres
- Polyester powder-coated white
- Aluminium profile backbar with integral weight insert and ballast
- Required Net: **FBL017**

FBL435 Goals  
FBL017 Nets



## 3G Portagoals



- When used with the optional hi-raise wheels the portagoal is extremely manoeuvrable on both grass and synthetic surfaces
- Hi raise wheels lift the goal up to 100mm above the surface
- Fully welded corner joints provide superior strength and added safety
- Uprights, Crossbars, Sidebars & Backbars made from 102mm x 112mm reinforced aluminium
- Full length net tubes made from 31.8mm diameter galvanised steel
- Zinc plated internal corner joints
- Polyester powder coated white
- Wheels required for transportation (p. 15)
- Recommended Net: **FBL017**

FBL600 Goals  
FBL017 Nets



## Heavyweight Freestanding Steel Goals



- Designed as a freestanding goal; only portable when used with the flip-over wheels. Can be moved in 1 piece by 4 adults
- Fully welded crossbar corner joint provides strength and added safety
- The uprights have round plates on the bottom to prevent posts marking artificial surfaces
- Unique hexagonal rivet fixing provides 12mm of thread to prevent cross threading and gives a secure safe fixing
- Uprights & crossbars made from 60mm diameter steel
- Side rails and backbar made from 50mm square steel, providing stability and distributing weight more evenly
- Full length net supports manufactured from zinc plated 32mm diameter steel
- External bolts are all stainless steel
- Polyester powder coated white
- Wheels required for transportation (p. 15)
- Recommended Net: **FBL003**

FBL054 Goals  
FBL006 Nets



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ALL CONFORM TO  
BS EN 748:2004

ANCHORAGE MAY BE REQUIRED

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# Football Junior

(6.4m x 2.13m)

Required Anchorage (p. 5)



## 3G 'Original' Integral Weighted Goals



- The UK's best selling weighted goal
- The unique roller system with Hi-Raise wheels allows easy manoeuvrability on synthetic and 3G surfaces
- Fully welded corner joints provide superior strength and added safety
- Uprights, Crossbars & Sidebars made from 102mm x 112mm reinforced aluminium
- Full length net supports made from 31.8mm diameter galvanised steel
- Full length bottom net retaining bar
- Puncture proof front cellular rubber tyres
- Polyester powder coated white (excluding rollers)
- Set consists of: 2 goals, 4 cellular hi-raise wheels; 24 individual galvanised steel rollers; 140 lock-on synthetic net hooks
- Required Net: **FBL636**

FBL637 Goals   
FBL660 Nets

## 3G Weighted Portagoals - NEW



- Hi-raise wheels lift the goal up to 100mm above the surface, allowing for manoeuvrability on both grass and synthetic surfaces
- Fully welded corner joints provide superior strength and added safety
- Uprights, crossbars, sidebars & backbars made from 102mm x 112mm reinforced aluminium
- Full-length net supports made from 31.8mm diameter galvanised steel
- Zinc-plated internal corner joints
- Puncture-proof front cellular rubber tyres
- Polyester powder-coated white
- Aluminium profile backbar with integral weight insert and ballast
- Required Net: **FBL017**

FBL436 Goals   
FBL019 Nets

## 3G Portagoals



- When used with the optional hi-raise wheels the portagoal is extremely manoeuvrable on both grass and synthetic surfaces
- Hi raise wheels lift the goal up to 100mm above the surface
- Fully welded corner joints provide superior strength and added safety
- Uprights, Crossbars, Sidebars & Backbars made from 102mm x 112mm reinforced aluminium
- Full length net tubes made from 31.8mm diameter galvanised steel
- Zinc plated internal corner joints
- Polyester powder coated white
- Wheels required for transportation (p. 15)
- Recommended Net: **FBL017**

FBL084 Goals   
FBL019 Nets

## Heavyweight Freestanding Steel Goals



- Designed as a freestanding goal; only portable when used with the flip-over wheels. Can be moved in 1 piece by 4 adults
- Fully welded crossbar corner joint provides strength and added safety
- The uprights have round plates on the bottom to prevent posts marking artificial surfaces
- Unique hexagonal rivet fixing provides 12mm of thread to prevent cross threading and gives a secure safe fixing
- Uprights & crossbars made from 60mm diameter steel
- Side rails and backbar made from 50mm square steel, providing stability and distributing weight more evenly
- Full length net supports manufactured from zinc plated 32mm diameter steel
- External bolts are all stainless steel
- Polyester powder coated white
- Wheels required for transportation (p. 15)
- Recommended Net: **FBL003**

FBL057 Goals   
FBL090 Nets

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BS 8462:2009

ANCHORAGE MAY BE REQUIRED

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# Football 9 v 9

(4.88m x 2.13m)

Required Anchorage (p. 5)



## 3G 'Original' Integral Weighted Goals



- The UK's best-selling weighted goal
- The unique roller system provides easy manoeuvrability on synthetic and 3G surfaces
- Fully welded corner joints provide superior strength and added safety
- Uprights, Crossbars & Sidebars made from 102mm x 1122 reinforced aluminium
- Full length net supports made from 31.8mm diameter galvanised steel
- Full length steel bottom net retaining bar
- Polyester powder coated white (excluding rollers)
- Set consists of: 2 goals; individual galvanised steel rollers; 140 lock-on synthetic net hooks
- Required Net: **FBL659**

FBL545 Goals   
FBL360 Nets

## 3G Weighted Portagoals



- Designed to be portable on both grass and synthetic surfaces
- Hi-raise wheels lift the goal up to 100mm above the surface allowing for manoeuvrability on both grass and synthetic surfaces
- Fully welded corner joints provide superior strength and added safety
- Made from 102mm x 112mm reinforced aluminium
- Aluminium profile backbar with integral weight insert and ballast
- Full length net supports made from 31.8mm diameter galvanised steel
- Zinc plated internal corner joints
- Puncture proof front cellular rubber tyres
- Polyester powder coated white
- Required Net: **FBL360**

FBL437 Goals   
FBL216 Nets

## 3G Portagoals



- When used with the optional hi-raise wheels the portagoal is extremely manoeuvrable on both grass and synthetic surfaces
- Hi-raise wheels lift the goal up to 100mm above the surface
- Fully welded corner joints provide superior strength and added safety
- Made from 102mm x 112mm reinforced aluminium
- Full length net supports made from 31.8mm diameter galvanised steel
- Zinc plated internal corner joints
- Puncture proof front cellular rubber wheels
- Polyester powder coated white
- Wheels required for transportation (p. 15)
- Recommended Net: **FBL360**

FBL207 Goals   
FBL360 Nets

## Heavy Duty Galvanised Goals



- Preferred option for football-specific venues that have high usage. These heavy duty football goals have fully welded side frames for added strength
- Fully welded side frame with bolt on crossbar and backbar
- Unique hexagonal rivet fixing provides 12mm of thread to prevent cross threading and gives a secure fixing
- M10 security bolts
- Galvanised frame for durability
- Uprights and crossbars made from 60mm diameter galvanised steel
- Polyester powder coated white
- Recommended Net: **FBL519**

FBL509 Goals   
FBL519 Nets

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# Football 7 v 7 / 5 v 5

(3.66m x 1.83m)

Required Anchorage (p. 5)



## 3G 'Original' Integral Weighted Goals



- The UK's best-selling weighted goal
- The unique roller system provides easy manoeuvrability on synthetic and 3G surfaces
- Fully welded corner joints provide superior strength and added safety
- Uprights, Crossbars & Sidebars made from 102mm x 1122 reinforced aluminium
- Full length net supports made from 31.8mm diameter galvanised steel
- Full length steel bottom net retaining bar
- Polyester powder coated white (excluding rollers)
- Set consists of: 2 goals; individual galvanised steel rollers; 140 lock-on synthetic net hooks
- Required Net: **FBL661**

FBL655 Goals   
FBL661 Nets

## 3G Weighted Portagoals



- Designed to be portable on both grass and synthetic surfaces
- Hi-raise wheels lift the goal up to 100mm above the surface allowing for manoeuvrability on both grass and synthetic surfaces
- Fully welded corner joints provide superior strength and added safety
- Made from 102mm x 112mm reinforced aluminium
- Aluminium profile backbar with integral weight insert and ballast
- Full length net supports made from 31.8mm diameter galvanised steel
- Zinc plated internal corner joints
- Puncture proof front cellular rubber tyres
- Polyester powder coated white
- Required Net: **FBL359**

FBL439 Goals   
FBL359 Nets

## 3G Portagoals



- When used with the optional hi-raise wheels the portagoal is extremely manoeuvrable on both grass and synthetic surfaces
- Hi-raise wheels lift the goal up to 100mm above the surface
- Fully welded corner joints provide superior strength and added safety
- Made from 102mm x 112mm reinforced aluminium
- Full length net supports made from 31.8mm diameter galvanised steel
- Zinc plated internal corner joints
- Puncture proof front cellular rubber wheels
- Polyester powder coated white
- Wheels required for transportation (p. 15)
- Recommended Net: **FBL359**

FBL210 Goals   
FBL359 Nets

## Heavy Duty Galvanised Goals



- Preferred option for football-specific venues that have high usage. These heavy duty football goals have fully welded side frames for added strength
- Fully welded side frame with bolt on crossbar and backbar
- Unique hexagonal rivet fixing provides 12mm of thread to prevent cross threading and gives a secure fixing
- M10 security bolts
- Galvanised frame for durability
- Uprights and crossbars made from 60mm diameter galvanised steel
- Polyester powder coated white
- Recommended Net: **FBL521**

FBL511 Goals   
FBL521 Nets

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ANCHORAGE MAY BE REQUIRED

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# Football small sided (4.88m x 1.83mm)

Required Anchorage (p. 5)



## 3G 'Original' Integral Weighted Goals



- The UK's best-selling weighted goal
- The unique roller system provides easy manoeuvrability on synthetic and 3G surfaces
- Fully welded corner joints provide superior strength and added safety
- Uprights, Crossbars & Sidebars made from 102mm x 1122 reinforced aluminium
- Full length net supports made from 31.8mm diameter galvanised steel
- Full length steel bottom net retaining bar
- Polyester powder coated white (excluding rollers)
- Set consists of: 2 goals; individual galvanised steel rollers; 140 lock-on synthetic net hooks
- Required Net: **FBL664**

FBL654 Goals   
FBL664 Nets

## 3G Weighted Portagoals



- Designed to be portable on both grass and synthetic surfaces
- Hi-raise wheels lift the goal up to 100mm above the surface allowing for manoeuvrability on both grass and synthetic surfaces
- Fully welded corner joints provide superior strength and added safety
- Made from 102mm x 112mm reinforced aluminium
- Aluminium profile backbar with integral weight insert and ballast
- Full length net supports made from 31.8mm diameter galvanised steel
- Zinc plated internal corner joints
- Puncture proof front cellular rubber tyres
- Polyester powder coated white
- Required Net: **FBL358**

FBL438 Goals   
FBL358 Nets

## 3G Portagoals



- When used with the optional hi-raise wheels the portagoal is extremely manoeuvrable on both grass and synthetic surfaces
- Hi-raise wheels lift the goal up to 100mm above the surface
- Fully welded corner joints provide superior strength and added safety
- Made from 102mm x 112mm reinforced aluminium
- Full length net supports made from 31.8mm diameter galvanised steel
- Zinc plated internal corner joints
- Puncture proof front cellular rubber wheels
- Polyester powder coated white
- Wheels required for transportation (p. 15)
- Recommended Net: **FBL358**

FBL215 Goals   
FBL358 Nets

## Heavy Duty Galvanised Goals



- Preferred option for football-specific venues that have high usage. These heavy duty football goals have fully welded side frames for added strength
- Fully welded side frame with bolt on crossbar and backbar
- Unique hexagonal rivet fixing provides 12mm of thread to prevent cross threading and gives a secure fixing
- M10 security bolts
- Galvanised frame for durability
- Uprights and crossbars made from 60mm diameter galvanised steel
- Polyester powder coated white
- Recommended Net: **FBL520**

FBL510 Goals   
FBL520 Nets

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# Football 5-a-side senior

(4.88m x 1.22m)

Required Anchorage (p. 5)



## 3G 'Original' Integral Weighted Goals



- The unique roller system provides easy manoeuvrability on synthetic and 3G surfaces
- Fully welded corner joints provide superior strength and added safety
- Completely safe to use at all times, eliminating the user's responsibility of attaching separate anchorage
- Uprights, crossbars and sidebars made from 102mm x 112mm reinforced aluminium
- Full length net supports made from 31.8mm diameter galvanised steel
- Full length bottom net retaining bar made from zinc plated internal corner joints
- Polyester powder-coated white (excluding rollers)
- 140 lock-on synthetic net hooks
- Required Net: **FBL662**

FBL644 Goals   
FBL662 Nets

## Aluminium Freestanding Goals



- Uprights Fully welded corner joints provide superior strength and added safety
- Fixed side frames and diagonal brace
- Side frames lock in the play and folded positions for added safety
- Uprights and crossbars made from 80mm diameter reinforced aluminium
- Full length net supports are manufactured from zinc plated 32mm diameter steel
- Steel bottom backbar manufactured from zinc plated 42.4mm diameter steel
- Goal frame polyester powder coated white
- Anchors required for goals to conform to BS 8462 (p. 5)
- Recommended Net: **FBL031**

FBL145 Goals   
FBL031 Nets

## Heavy Duty Galvanised Goals



- Ideal for football specific venues that have high usage
- These heavy-duty football goals have fully welded side frames for added strength
- Fully welded side frame with bolt on crossbar and backbar
- Unique hexagonal rivet fixing provides 12mm of thread to prevent cross threading and gives a secure fixing
- Galvanised frames for durability
- Uprights and crossbars made from 60mm diameter galvanised steel
- M10 security bolts to attach to the rebound boards / fence
- Additional anchorage can be attached if required (p. 5)
- Polyester powder coated white
- Recommended Net: **FBL522**

FBL512 Goals   
FBL522 Nets

## Classic Goals



- Designed for outdoor venues that have constant heavy usage
- Heavy duty tube clamp corner joint system
- Crossbars, backbars and side frames are manufactured from 48mm steel
- Heavy duty tube clamp joints have factory fitted grub screws
- Crossbar and backbar joints have stainless steel bolt fixings
- Polyester powder coated white
- Anchors required for goals to conform to BS 8462 (p. 5)
- Recommended Net: **FBL031**

FBL140 Goals   
FBL031 Nets

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# Football 5-a-side junior

(3.66m x 1.22m)

Required Anchorage (p. 5)



## 3G 'Original' Integral Weighted Goals



- The unique roller system provides easy manoeuvrability on synthetic and 3G surfaces
- Fully welded corner joints provide superior strength and added safety
- Completely safe to use at all times, eliminating the user's responsibility of attaching separate anchorage
- Uprights, crossbars and sidebars made from 102mm x 112mm reinforced aluminium
- Full length net supports made from 31.8mm diameter galvanised steel
- Full length bottom net retaining bar made from zinc plated internal corner joints
- Polyester powder-coated white (excluding rollers)
- 140 lock-on synthetic net hooks
- Required Net: **FBL663**

FBL645 Goals  
FBL663 Nets



## Aluminium Freestanding Goals



- Uprights Fully welded corner joints provide superior strength and added safety
- Fixed side frames and diagonal brace
- Uprights and crossbars made from 80mm diameter reinforced aluminium
- Full length net supports are manufactured from zinc plated 32mm diameter steel
- Steel bottom backbar manufactured from zinc plated 42.4mm diameter steel
- Goal frame polyester powder coated white
- Anchors required for goals to conform to BS 8462 (p. 5)
- Recommended Net: **FBL032**

FBL146 Goals  
FBL032 Nets



## Heavy Duty Galvanised Goals



- Ideal for football specific venues that have high usage
- These heavy-duty football goals have fully welded side frames for added strength
- Fully welded side frame with bolt on crossbar and backbar
- Unique hexagonal rivet fixing provides 12mm of thread to prevent cross threading and gives a secure fixing
- Galvanised frames for durability
- Uprights and crossbars made from 60mm diameter galvanised steel
- M10 security bolts to attach to the rebound boards / fence
- Additional anchorage can be attached if required (p. 5)
- Polyester powder coated white
- Recommended Net: **FBL523**

FBL513 Goals  
FBL523 Nets



## Classic Goals



- Designed for outdoor venues that have constant heavy usage
- Heavy duty tube clamp corner joint system
- Crossbars, backbars and side frames are manufactured from 48mm steel
- Heavy duty tube clamp joints have factory fitted grub screws
- Crossbar and backbar joints have stainless steel bolt fixings
- Polyester powder coated white
- Anchors required for goals to conform to BS 8462 (p. 5)
- Recommended Net: **FBL032**

FBL141 Goals  
FBL032 Nets



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ANCHORAGE MAY BE REQUIRED



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# Football

## Fence Folding Goals

### Senior Football 3G Aluminium Fence Folding Goals



Ideal for synthetic surfaces. Hinged supports allow this goal to fold effortlessly, and is easily wheeled by two people neatly back against a surrounding fence when not in use, allowing space and freedom for other sports.

Available in a variety of projections, with specially designed nets.

*Please call for more details*

### Mini Soccer Aluminium Fence Folding Goals



Ideal for synthetic surfaces. Solid PVD rollers, can be easily folded by two people against surrounding fence when not in use, allowing space and freedom for other sports.

Available in a variety of projections.

*Please call for more details*

### Five-a-Side Aluminium Fence Folding Goals



Ideal for synthetic surfaces. Solid PVD rollers, galvanised steel telescoping side bars allows goals to be folded against surrounding fence when not in use, allowing space and freedom for other sports.

Available in a variety of projections, with specially designed nets.

*Please call for more details*

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**ALL CONFORM TO  
BS EN 748:2004  
OR BS 8462:2009**

ANCHORAGE MAY BE REQUIRED



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# Football

## Transportation Wheels

### Hi-Raise Aluminium Portable Goal Wheels



**Once wheels are engaged, goals can be easily moved by four adults**

- Set of 8 x 260mm diameter cellular rubber wheels with zinc-plated steel bracket that bolts to bottom side bar, complete with rubber gripped handle
- Cellular rubber wheels are puncture proof and do not require inflating
- Extra wide tyre for better weight distribution
- Handle to aid the engaging of the wheels before the goal is moved



For use with the following Football Goals:

Senior Football:	3G Portagoals (FBL600)
Junior Football:	3G Portagoals (FBL084)
9 v 9 Football:	3G Portagoals (FBL207)
7 v 7 / 5 v 5 Football:	3G Portagoals (FBL210)
Small sided Football:	3G Portagoals (FBL215)

Hi Raise Aluminium Portable Goal Wheels (FBL559) set of 8

### Flip-over Wheel for Freestanding Goals



**Once wheels are engaged, goals can be easily moved by four adults**

- Set of 8 x 260mm diameter cellular rubber wheels complete with 'U' bracket that bolts to bottom side bar
- Cellular rubber wheels are puncture proof and do not require inflating
- Extra wide tyre for better weight distribution

**For use with the following Football Goals:**

**Senior Football: Heavyweight Freestanding Steel Goals (FBL054)**

**Junior Football: Heavyweight Freestanding Steel Goals (FBL057)**

Flip-over Wheel for Freestanding Goals (FBL556)

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# Hockey



**Hockey Goals** p.17-18

**Transportation Wheels** p.19

**Spare Backboards** p.19

**Backboard Protection** p.19





# Hockey

## London 2012 Hockey Goals

### FEATURES

- Uprights and crossbars have a 7mm thick reinforced front wall to prevent hockey ball damage
- Specially designed 50.8mm diameter back tubes allow the net to hang freely to meet FIH specifications and eliminate ball rebound
- Integral net retaining system holds the net firmly in place without the use of net clips
- Internal backboards can have laser cut logo at additional cost
- The UK's best-selling weighted hockey goal

### SPECIFICATION

- Uprights and crossbars made from 75mm x 50mm reinforced aluminium
- Fully welded corner joints provide superior strength and added safety
- Backbar consists of a single weighted tube with 2 puncture proof cellular rubber wheels, allowing for ease of manoeuvrability
- 460mm high reinforced aluminium backboard panels with extra thick impact absorbent noise reducing carpet on all inside faces
- Polyester powder coated white excluding net supports and backboards which are blue
- Required Net: **HOC156**



**HOC151 Hockey Goals (3.66m x 2.14)**  
set of 2 Goals & 4 Cellular Wheels

**HOC156 Hockey Goal Nets (3mm braided) pair**

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**ALL CONFORM TO  
BS EN 750**

ANCHORAGE MAY BE REQUIRED

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# Hockey

Required Anchorage (p. 5)



## Aluminium Hockey Goals



- An excellent option specifically suited to both water and sand based synthetic surfaces. The goals can be easily moved using the cellular rubber wheel kit, preventing damage to the surface
- Side frames complete with fully welded back tubes and lifting handles for added strength
- Uprights and crossbars feature stainless steel retaining rods to ensure net is held firmly in position
- Uprights & crossbars made from 65mm x 50mm reinforced aluminium
- Net supports and top backbar manufactured from 32mm diameter aluminium
- 460mm high reinforced aluminium backboard panels with green noise reducing carpet on all inside faces
- Polyester powder coated white
- Anchors required for goals to conform to BS EN 750 (p. 5)
- Wheels required for transportation (p. 19)
- Recommended Net: **HOC003**

HOC104 Goals   
HOC003 Nets

## Premier Steel Hockey Goals with PVC or Standard Wood Backboards



- A great option for all synthetic surfaces, available with either durable PVC or standard wooden backboards
- Uprights & Crossbars made from 50mm square steel, featuring aluminium retaining rods to ensure net is held firmly in position
- Lifting handles designed for use with flip-over wheel kit **HOC140**
- Net supports, lifting handles and top backbar made from 25mm square pre-galvanised steel
- 460mm high backboards in PVC or 18mm thick wood
- Uprights & crossbars polyester powder coated white
- Anchors required for goals to conform to BS EN 750 (p. 5)
- Wheels required for transportation (p. 19)
- Recommended Net: **HOC003**

PVC Backboards

HOC017 Goals

HOC003 Nets

Wood Backboards

HOC016 Goals

HOC003 Nets

## Fence Folding Goals



**Ideal for synthetic surfaces, unique pivot joints allow the goal to fold back against the surround fence without detaching the backboards.**

**Available in a variety of projections, with specially designed Hockey nets.**

*Please call for more details*

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**ALL CONFORM TO  
BS EN 750**

ANCHORAGE MAY BE REQUIRED



Maintaining Standards



# Hockey

## Cellular Rubber Wheel Kit



Set of 4 cellular rubber puncture-proof wheels for aluminium goals

HOC141



## Flip-over Wheel Kit



For use with **HOC016 / HOC017**  
Set of 4 x 260mm dia. puncture-resistant solid rubber wheels; wide wheels allow better weight distribution for easier transportation

HOC140



## Spare Backboards (PVC or Standard Wood)

Spare backboards are available for varying goal sizes, and can be supplied in PVC or wood – please contact Technical Surfaces for more information

## Backboard Protection Pads



Designed as a board protection pad for Hockey training sessions. During a session the hockey goal can sustain more use than it would in match situations for a whole season. Therefore, the pads are designed to add protection to the backboards and improve the overall lifespan of the goal. Pads also significantly aid noise reduction.

- Made from PVC covered foam and split into 4 transportable sections
- Each pad has Velcro straps for attaching pads to the goal net

HOC048 Backboard Protection Pads (for 2 Goals)



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# Tennis



**Tennis Posts & Nets** p.21-22

**Tennis Trolleys** p.21

**Tennis Sundries** p.21



# Tennis

## 'Original' Weighted Tennis Posts



Revolutionary tennis post design with Ski Plate, encompassing unique Harrod UK integral weighted roller system as a single solution for court facilities.

- The Ski Plate and rubber bottoms provides grip and protection, spreading the weight of each post thus reducing pressure on the playing surface (weight 256.68kg)
- Full regulation net height can be achieved
- The net attaches to the upright via synthetic net hooks
- Heavy duty brass winder and brass pulley wheel; he two cellular wheels improve manoeuvrability
- Overall depth of base (front of ski plate to rear of the wheels) 1503mm
- Front of upright to rear of base (rear of the wheels) 854mm
- Detachable uprights manufactured from 80mm square aluminium
- The 1.18m widebase frame is manufactured from 76mm square aluminium
- The rear ballast is electroplated steel with an aluminium tube external housing
- Recommended Net: **TEN155**

**TEN170 Posts**  
**TEN155 Nets**



## Freestanding Practice Tennis Posts



- A new, improved design for the most popular selling free-standing post, for use on all court surfaces by clubs and schools
- Full regulation net height can be achieved
- Heavy duty brass winder and pulley wheel
- Rubber pads protect each surface type
- Uprights made from 76mm diameter steel
- The steel posts are joined with pre-galvanised steel box section, polyester powder-coated in Brunswick green
- The use of pre-galvanised material gives the connecting bars an extra level of protection
- The powder-coated steel channel connections are plated and come complete with M10 rivnuts
- Can be transported using **Freestanding Tennis Trolleys TEN095**
- Recommended Net: **TEN002**

**TEN101 Posts**  
**TEN002 Nets**



## Freestanding Tennis Trolleys



### TEN095 Trolleys

2 swivel wheeled trolleys allowing transportation of **TEN101**



## Tennis Sundries

**TEN094 Spare Net Retaining Rod**  
For S8, S1 and Aluminium Posts



### TEN031 T2 Adjuster Set

Vinyl coated nylon centre tape with brass swivel adjuster and heavy round metal base



### TEN032 T3 Adjuster Set

Vinyl coated nylon centre tape with brass swivel adjuster and heavy round metal base; zinc plated ground socket



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**ALL CONFORM TO  
BS EN 1510**

ANCHORAGE MAY BE REQUIRED



Maintaining Standards



# Tennis

## Aluminium Tennis Posts



**Installation not included**

- Premium aluminium tennis posts will not rust or degrade
- Sockets are complete with flush fitting, hinged lids
- Stainless steel net retaining rod ensures net is held firm to posts
- Made from 80mm reinforced aluminium
- Heavy duty brass winder and brass pulley wheel
- 312mm deep galvanised steel sockets with a 82mm square internal face
- Sockets have a welded pin, allowing uprights to sit 160mm from the base
- Polyester powder coated green
- Recommended Net: **TEN002**

**TEN028 Posts**  
**TEN002 Nets**



## S8 Square Tennis Posts



**Installation not included**

- TEN017**  
**Tennis Posts with Sockets**
- TEN117**  
**Tennis Posts without Sockets**

- Sockets are complete with flush fitting hinged lids
- Stainless steel net retaining rod ensures net is held firm to posts
- Brass pulley wheel
- Made from 76mm square steel
- Heavy duty brass winder
- 359mm deep sockets with a 79mm square internal face
- Polyester powder coated green
- Recommended Net: **TEN002**

**TEN017 Posts with sockets**  
**TEN002 Nets**



**TEN117 Posts without sockets**  
**TEN002 Nets**



## S1 Round Tennis Posts



**Installation not included**

- TEN016**  
**Tennis Posts with Sockets**
- TEN116**  
**Tennis Posts without Sockets**

- Sockets are complete with flush fitting hinged lids
- Made from 76mm diameter steel
- Heavy duty brass winder and aluminium pulley wheel
- 322mm deep sockets with a 79mm internal diameter
- Sockets have a punched hole, allowing uprights to sit 170mm from the base
- 4 steel net retaining hooks per post
- Polyester powder coated green
- Recommended Net: **TEN002**

**TEN016 Posts with sockets**  
**TEN002 Nets**



**TEN116 Posts without sockets**  
**TEN002 Nets**



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**ALL CONFORM TO  
BS EN 1510**





# Miscellaneous



## Pitch Divider Systems p.24

- Dividing Nets
- Net Storage Pouch
- Clips, Hooks & Wires

## Grounds Maintenance p.25-27

- Boot Wipers
- Optional Socket Sets
- Spare Brush Sets
- Drag Mats & Brushes
- Additional Items



# Miscellaneous

## Pitch Divider Systems

### Dividing Nets



- 50mm square mesh, UV resistant, 2.0mm thick black polypropylene netting with selvedged edges
- Available in heights of 2.7m / 3.0m / 3.6m.
- Allow 2.5% extra on overall length of netting
- Supplied with 50mm bottom band fitted with 20mm rope \*

2.7m Net (CRK311)

3.0m Net (CRK312)

3.6m Net (CRK314)

\* Also available without bottom band; price on request

### Net Storage Pouch



PVC storage pouch designed to fix to weldmesh fences. The pouch allows for easy storage of the divider netting, protecting it against unnecessary wear and tear when not in use.

- One 1020mm high x 1440mm wide black PVC pouch complete with 2 x fixing plates and Antiluce fasteners for ease of use
- 4 drainage holes along bottom edge to eliminate water build-up
- Pouch designed to take netting of up to 65 linear metres

FBL105 Net Storage Pouch

### Clips, Hooks & Wires



Arrow Net Hooks



Dog Clip



Split Ring

WIR100 Pitch Divider Wire

SPI310 Split Rings

CRK300 Dog Clips

Caribena Clips

FBL227 Velcro Net Ties  
(senior goals)

FBL225 Plastic Net Clips

FBL229 Plastic Net Hooks  
(for aluminium goals)

FBL222 Synthetic Arrow  
Net Hooks

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Maintaining Standards





# Miscellaneous

## Grounds Maintenance

### Premier Boot Wiper

**Freestanding or Fixed for single-person use**  
 Designed for use outside communal changing areas; extremely sturdy and hard-wearing



Freestanding Boot Wiper

Fixed Boot Wiper

- 2mm thick x 50.8mm dia. steel and polyester powder coated matt black
- 2 x individual 610mm long x 73mm wide side brushes with 65mm long black bristles
- 2 x individual 152mm long x 73mm wide side brushes with 65mm long black bristles
- 2 x internal shoe scraping plates for added safety
- **Freestanding version BWP011:** 1m high; complete with 2 freestanding plates and fixings
- **Fixed version BWP010:** as above, but with floor-fixing plates (no bolts or fixings are included)

**BWP011 Freestanding Wiper**

**BWP010 Fixed Wiper**

*Installation not included*

### Standard Boot Wiper

**Freestanding Boot Wiper for single-person use**



Designed for use pitchside, outside communal changing areas or the teeing area of a golf course

- Polyester powder coated matt black
- Fully freestanding and 1029mm high
- 2 x individual 265mm long x 65mm wide bottom brushes with 47mm long black bristles
- 2 x individual 265mm long x 65mm wide side brushes with 65mm long black bristles
- 2 x rubber gripped handles
- 2 x recessed shoe scraping plates

**BWP001 Freestanding Wiper**

### Multi Boot Wiper

**Available as a 1, 2, 3 or 4-person station**



Multi Boot Wiper

Designed to be concreted straight into the ground

- 1.6mm thick x 31.8mm dia. steel and polyester powder coated matt black
- **Multi 1 BWP003:** 0.8m wide; one 610mm x 73mm bottom brush & two 152mm x 73mm side brushes
- **Multi 2 BWP004:** 1.3m wide; two 610mm x 73mm bottom brushes & two 152mm x 73mm side brushes
- **Multi 3 BWP005:** 1.9m wide; three 610mm x 73mm bottom brushes & two 152mm x 73mm side brushes
- **Multi 4 BWP006:** 2.6m wide; four 610mm x 73mm bottom brushes & two 152mm x 73mm side brushes

**Multi 1:**  
BWP003

**Multi 2:**  
BWP004

**Multi 3:**  
BWP005

**Multi 4:**  
BWP006

*Installation not included*

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# Miscellaneous

## Grounds Maintenance

### Spare Brush Sets

#### For the Standard, Premier and Multi Boot Wiper

*Please note: The brushes are a consumable item and will wear over time*

**BWP020 for the  
Standard Boot Wiper**

**BWP025 for the  
Premier Boot Wiper**

**BWP021 for the  
Multi 1 Boot Wiper**

**BWP022 for the  
Multi 2 Boot Wiper**

**BWP023 for the  
Multi 3 Boot Wiper**

**BWP024 for the  
Multi 4 Boot Wiper**

**BWP020 Standard Brush set:**

**BWP025 Premier Brush set:**

**BWP021 Multi 1 Brush set:**

**BWP022 Multi 2 Brush set:**

**BWP023 Multi 3 Brush set:**

**BWP024 Multi 4 Brush set:**

*Installation not included*



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# Miscellaneous

## Grounds Maintenance

### Pedestrian Drag Mat



- Specifically designed to help remove surface debris and contamination
- Works to agitate the carpet fibres and even out the infill, resulting in a perfectly groomed finish
- Heavy duty rubber mat with metal chain handle, 1.0m wide x 1.5m long

DB-PDM



### Aussie CleanSweep



- 2.0m rubber grid configuration
- Pronged design agitates surface as well as collecting debris
- 5 rows of tines for maximum results
- Ideal for sand-filled or rubber-filled surfaces

DB-AMCL



### Pedestrian Brush



- Heavy duty steel frame
- Stiff nylon bristle heads (replaceable)
- 1.52m wide

DB-PB



### Aussie GreenSweep



- 1.8m plastic grid configuration
- Incorporates synthetic carpet
- More suited to low / non-filled carpet

DB-AMGR



### R.E.D Range<sup>®</sup> Machinery Packages



- Drag Brushing should be carried out at least twice weekly, but more often if time allows
- **Primary Package** is ideal for essential routine surface maintenance tasks of drag brushing and light decompactions – suitable for use by all grounds teams
- **Advantage Package** enables the completion of a more intensive brushing, sweeping and decompaction process – ideal for more experienced in-house grounds teams, operators of multiple pitches and elite level facilities
- R.E.D<sup>®</sup> Range packages are the essential partner for the more specialist maintenance services provided by Technical Surfaces

*Please refer to R.E.D<sup>®</sup> Range Brochure for full details*

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# Miscellaneous

## Additional Items

### Kickboard Protection



- Specialist carpet covering, which can be easily attached to wooden kickboards
- Cut to the required size and simply attached to the outside face with galvanised fixings
- Polypropylene carpet with integral foam backing
- Protects kickboards
- Deadens ball rebound
- Reduces noise

**Kickboard Protection**  
(MC-KP)

### Padding



- Various padding is available to prevent player injury to exposed posts
- Very durable
- PVC outer
- Foam-filled
- Velcro fasteners for easy attachment
- Various colours / sizes available – please call for details

**Padding**  
(MC-PAD01)

### Team Shelters



- Various Team Shelters available – please call for details
- All Shelters are self-assembly. Team Shelters must be anchored correctly at all times. The socketed option must have ground sockets concreted in as per instructions and freestanding versions should be fixed using suitable anchors such as spirafix.

### Sand / Rubber Infill

- **Sand:** specialist-grade, kiln-dried sport sand in Natural White or Natural Yellow
- **Rubber:** specialist rubber granule

Technical Surfaces can carry out the infill application process using our specialist equipment, if required. Please call for a quotation.

1 x 25kg Bag   
1 x 1T Load

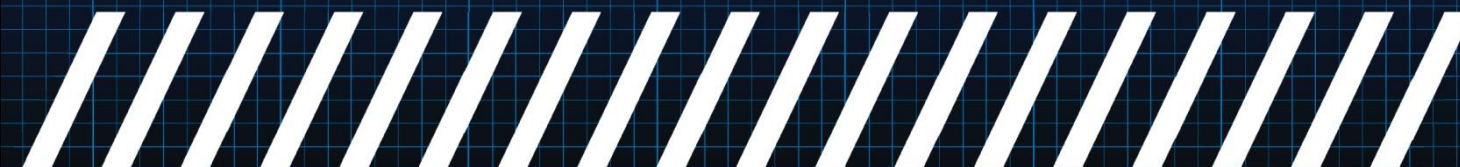
### PDV Salt (winter product)

- To help prevent freezing on artificial sports surfaces
- Not to be used as a defrosting agent
- Supplied on 1 x Pallet
- 42 x 25kg Bags
- Delivery included to UK mainland (tail-lift vehicle with pallet truck)

PDV Salt

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