

Ace Arenas & Ball Points

LAPPSET SPORT





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*Ace Arena
Sipoo, Finland*

Ace Arenas

Multifunctional Ace Arenas form the heart of any local sports venue. They provide versatile and modifiable environments for many types of ball games and for various other forms of exercise as well. It's no wonder that they are always in active use. The Ace Arena and Ace Ball Point are particularly space-efficient solutions for sports venues and schoolyards because they only take up a limited amount of space. Their compact configurations also encourage spontaneity: you don't need to have a full team to have a good game – just bring a friend and play ball!

Ace Arenas are also equally fun for all participants, regardless of their skill level: being so close to the action guarantees that everyone has a chance to participate. When a game can progress and change at a rapid pace, it also helps develop the players' skills and keep them engaged. Our Ace Arenas also help people to develop important social skills through sports and exercise.

ACE ARENA 11X22M **080841M**

Required space: 12.5 x 25.5 m.

ACE ARENA 13X26M **080842M**

Required space: 14.5 x 29.5 m.

ACE ARENA 15X30M **080843M**

Required space: 16.5 x 33.5 m.

TECHNICAL INFORMATION

Curved corner radius:	1 m
Colour:	Wood; goal-side high-pressure laminate parts, see pages 4–5
Side structure:	Protected glulam / solid wood. Side height: 980 mm. Goal-side panels: 15mm high-pressure laminate
Mounting:	Deep mounting without concrete, surface mounting with concrete
Goal opening size:	3 x 2 m
Goals:	Nylon netting
Accessories:	Floorball goals (4 or 2) Basketball backboards and hoops (2) Volleyball posts and net Maintenance gate

Ball Point

Ace Ball Points bring the versatility of a multifunctional arena to any location where space is at a premium. Since a Ball Point does not include any fencing, you can free up the area for other activities when the Ball Point is not in use. In addition, you can place your Ball Points any way you like. For example, if your outdoor space is located on a slope that cannot accommodate an entire Ace Arena, you can install two Ball Points instead – even the trickiest locations can still be perfect for a quick game or two!

BALL POINT
080840M

Measurements (mm): L7400 x W1200 x H3000
Colour: light grey

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Ace Arena
Sipoo, Finland



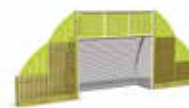
Green



Yellow



Fuchsia



Lime green



Blue



5



Red



Dark grey

COLOUR OPTIONS

Tie in your Ace Arena and Ball Points with their local environment by choosing the colour of their goal posts. Similar colour options are available for other Lappset playground and sports equipment as well. Select your favourite option and create a harmonious environment in any outdoor space. Eight different colour options are available. The colours are provided as laminate sections that are particularly resistant to UV radiation, so they are guaranteed to last for a long time.

Accessories

Basketball backboard and hoop

HOOP MATERIAL

Metal

BACKBOARD MEASUREMENTS

1500 x 910mm

The module includes a hoop and net that are made from stainless steel. One set includes two basketball backboards and two hoops. The default arena configuration does not include any basketball backboards, and hoops

Choose from either external or integrated basketball backboards.



Integrated backboard.

6

Floorball goals

GOAL MATERIAL

Laminate

GOAL MEASUREMENTS

915 x 600mm

The floorball enclosure element can be locked into either an open or closed position. The surface on top of the goal can be used as seating or as a table for water bottles and other player items. The top corners and middle of the enclosure element feature floorball-sized holes that can be used for target practice. One set includes either 2 or 4 floorball goals.

Maintenance gate

GATE MEASUREMENTS

3000 x 980 mm

LOCKABLE

Yes

A maintenance gate can be included on the side of the Ace Arena. The gate includes two hinged doors that open out from the arena, and the doors can be locked into a closed position with a padlock (the SFS-EN15312 standard requires that the gate must always remain locked). A lock is not included in the set. Maintenance staff can open the gate quickly and easily.

PLEASE NOTE! In all default Ace Arena options, the maintenance gate is installed using concrete.

Volleyball posts and net

POST MATERIAL

Hot-dip galvanised steel

POST MEASUREMENTS

60 x 60 mm

OTHER DETAILS

Ends include nylon rods, quick locking, Kevlar ropes and net rotation functionality

NET MATERIAL

3-mm black polypropylene string, mesh size 40 mm

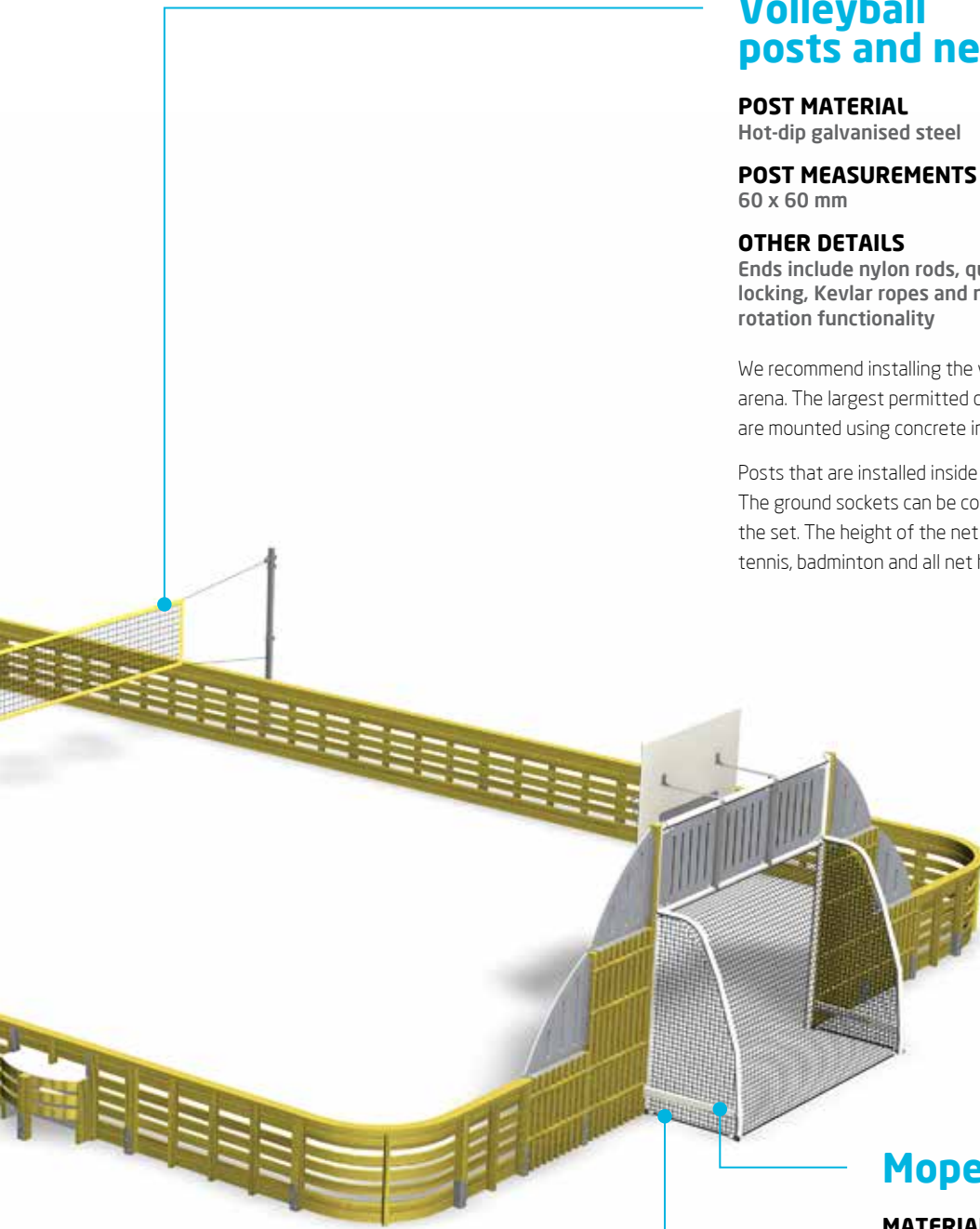
NET MEASUREMENTS

H 2000 mm x L 9500 mm

We recommend installing the volleyball posts on the outer sides of the arena. The largest permitted distance between the posts is 13 m. They are mounted using concrete in every Ace Arena mounting option.

Posts that are installed inside the arena can be removed when necessary. The ground sockets can be covered with the covers that are included in the set. The height of the net can be adjusted for different games: mini tennis, badminton and all net heights used for volleyball.

7



Enclosure cord

MATERIAL

Polypropylene

Moped barrier

MATERIAL

Metal

Structure & technical features



8

The quality requirements for all the wood materials used in Ace Arenas are the same as for all playground and sports equipment manufactured by Lappset. Our criteria for wood products are very strict, and all of the sawn timber we use has been sourced from healthy pine trees. We monitor the implementation of our quality criteria actively, and every shipment is reviewed by both the supplier and the recipient.

The end zones of our multifunctional Ace Arenas, which are subjected to the largest amount of wear and tear, feature 95-mm vertical slats that face towards the direction of the ball. The arena's horizontal boarding features 28x95-mm boards that are supported by 45x95-mm vertical slats that are installed every 0.5 m. Every wooden part is planed on every side and rounded at the ends, so there is no need to worry about splinters.

The panels at the end zones of the pitch are made from top-quality high-pressure laminate, which is both durable and very cost-effective to maintain.

GOALS

The goal-side nets are made from polypropylene netting, which allows people to walk inside the arena by lifting up the side of the net. The mesh size of the net is 45 mm, which guarantees that even a floorball will stay inside the arena.

Access to the arena is from the side of the goal net. The arena is also wheelchair-accessible. The entranceway can be corded off with a cord that is available as an accessory.

Maintenance staff can access the arena through the goal, but a separate maintenance gate is also available as an accessory. The goal net can also be lifted up, transforming the goal into an entranceway that is three (3) metres wide and two (2) metres high. The net is knotless and UV-protected.

FRAME MATERIAL

The wood materials used in the frame are protected glulam and solid wood. The wood protection is copper-based. Galvanized steel is used in the mounting parts that touch the ground.

SLATS

The density and layout of our wall slats have been optimised for a uniform and column-free playing surface for all critical height levels. The Ace Arena can even be used to play floorball. The arena's subdued colour scheme and wooden structure help it to blend in with its environment.



FASTENERS

The fasteners are made of either stainless steel, hot-dip galvanized steel or powder-coated galvanized steel. The most suitable material is chosen for each part based on how it is to be used.

MOUNTING OPTIONS FOR THE MULTIFUNCTIONAL ARENA

Three different options are available for mounting the improved multifunctional Ace Arena. In addition to the traditional deep mounting method that uses no concrete, you can also choose from deep mounting with concrete or surface mounting with concrete weights.

The mounting parts are made out of hot-dip galvanized steel.

The counterweights used in surface mounting are made out of concrete.



TESTS

All structures have been tested using EN15312 standard-compliant tests, including:

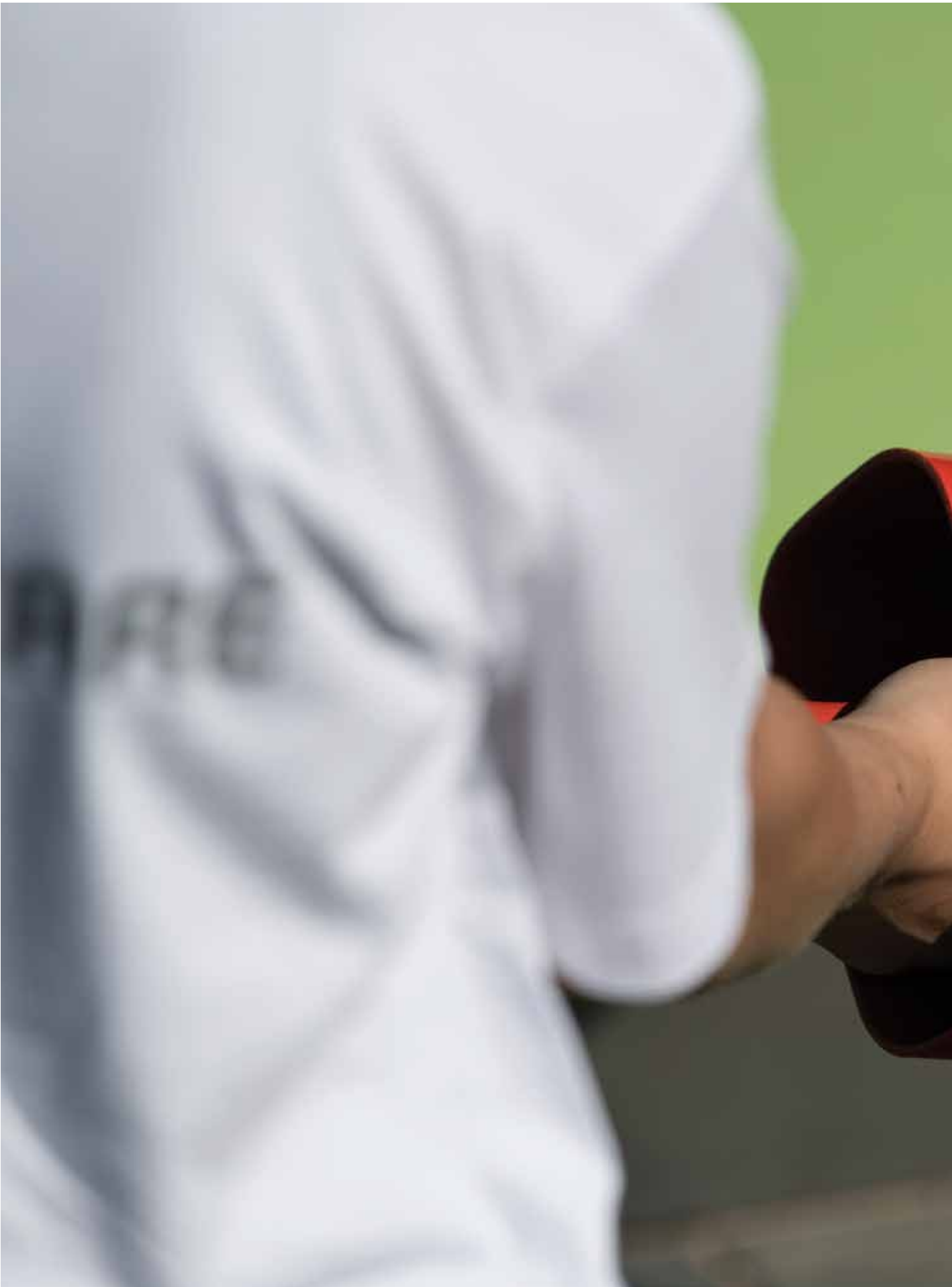
1. repeated impact resistance against footballs:
a 50-kg test weight is dropped from 0.35 metres 1,000 times per side element. After the test, the structure must not exhibit any fractures or permanent deformations.
2. repeated impact resistance against kicks by players:
a 50-kg test weight is dropped once from 0.5 metres. After the test, the structure must not exhibit any fractures.

The structure has also been tested for the structural stability and durability required by the EN15312 standard. In addition, the testing process also includes tests that focus on preventing player from getting stuck in the structure of the arena.

The structural strength of all Lappset products are verified using both strength calculations and practical tests. Product test results are available upon request. Our external safety consultant and product test result certifier is TÜV SÜD Product Service GmbH from Germany.

CURVED CORNERS

The arena's curved corners help to reduce aggressive play and allow everyone to have a fun and safe match, no matter what sport is being played. The horizontal boarding on the curved corners helps the ball to roll in a natural way, so there is no danger that the game will get stuck in one corner of the pitch.



Warranty

10 YEARS FOR THE MULTIFUNCTIONAL ACE ARENA

6 YEARS FOR THE SAND-FILLED SYNTHETIC TURF

2 YEARS FOR THE INSTALLATION WORK

The materials used in the Ace Arena require minimal maintenance. We can supply any spare parts quickly and reliably.

Maintenance

The playing surface will remain in good condition if it is maintained regularly. We recommend brushing the surface and adding new sand infill to the pitch whenever necessary. Dried leaves and other debris should be removed from the pitch annually.

Environment

The materials that are used for Lappset's multifunctional Ace Arenas (wood, steel, plastic, high-pressure laminate, nylon netting) and for their surface treatments are the same as those used for other Lappset playground structures – which must all be able to withstand large amounts of wear and tear and comply with the strictest safety requirements.

To increase the longevity of our products, we rot-proof our wood and finish the surface of the metal materials we use. The wood preservatives we use are arsenic-free and chromium-free. Any structures that are installed outside will be subjected to varying weather conditions and to insects. The appropriate wood preservation method helps increase safety and extend the service life of wood products 4–5 times over, which helps save raw materials, energy and financial resources.

The wood preservatives used in Lappset products have never been found to cause health problems. Lappset has been awarded the ISO 14001 Certification for environmental management, the ISO 9001 Certification for quality management, and the PEFC Certification for wood material origin management.



1

Laying the foundation for your arena

The foundation of your arena must be level, firm, and water-permeable. Every location is unique, so the soil layers and possible drainage of the arena foundation must be planned on a case-by-case basis.

2

Installing the multifunctional arena

Three different options are available for mounting your new and improved multifunctional Ace Arena.

- deep mounting without concrete
- deep mounting with concrete
- surface mounting with separate concrete weights

The maintenance gate and the posts for the multifunctional net are always installed using deep mounting with concrete.



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3

Precision profiling

After the arena has been installed, it is essential to level the playing area before installing the final playing surface in order to ensure an even and top-quality final result. The recommended method is to install the final ground-leveling layer (rock dust) after the multifunctional arena has been installed. This phase is referred to as precision profiling.

4

Installing the playing surface and surface lines

We recommend using SOFTEX® sand-filled synthetic turf as your surface material. It is a safe and user-friendly surface material, and it requires minimal care. The friction of SOFTEX® sand-filled synthetic turf is suitable for many different ball games, and it is firm enough for a good game of basketball as well. The surface lines for different ball games can be painted in different colours to help differentiate them from one another.

In the winter, the SOFTEX® sand-filled synthetic turf can be frozen, but the multifunctional Ace Arena is not designed for ice hockey.

Other surface materials, such as asphalt and rock dust, can also be used in the multifunctional Ace Arena.

Panna Arenas & Metal Arena

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PANNA ARENAS

The Panna Arena is a small round arena with a simple design that helps it blend in with different types of outdoor park areas and urban environments.

The Panna Arena is a versatile playing space and it can be used in all types of ball games – the only limit is your imagination! The Panna Arena can fit 4–8 people at a time, making it perfect for school environments as well.

The Panna Arena includes two goals and is surrounded by a metal cage. Due to its small size, the Panna Arena is an excellent choice for any area that cannot accommodate a larger sports field.

All Panna Arenas are installed using surface mounting. Installation stones (702623) can be placed beneath the vertical posts during the installation process.



PANNA HIGH
080901M

Measurements (mm): L6190 x W6190 x H2050
Colour: light grey



PANNA LOW
080902M

Measurements (mm): L6190 x W6190 x H1200
Colour: light grey



PANNA ARENA
080905M

Measurements (mm): L12320 x W6190 x H2050
Colour: light grey



Blue



Lime green



Red



Fuchsia



Yellow



Green

COLOUR OPTIONS

Liven up your Panna Arena and its surrounding environment by choosing from a variety of colour options for the Arena's vertical posts. Similar colour options are available for other Lappset playground and sports equipment as well. The eight available colour options are the same as those available for the Ace Arenas.



METAL ARENA
080851

Measurements (mm): L22400 x W13120 x H3130

*Ask more from your local dealer
for size and colour options.*

 **LAPPSET®**

LAPPSET SPORT

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