

Volleyball Product Guide

The **One** - It's **Original** Concept and Your **Only** One



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The Best **Quality** for Your Best Performance

SENOH's Indoor and Beach Volleyball Systems were used in TOKYO2020. Since TOKYO1964 at which volleyball first became an Olympic sport, and beach volleyball joined at Atlanta in 1996, Senoh has been the official supplier in almost all the Olympic Games.

Senoh has the equipment that meets all of the standards of volleyball's governing bodies. Today, Senoh's volleyball systems have become the most widely known and used in the world, which in turn makes Senoh as the international standards.



SENOH's achievement extends to Olympic Games, World Championships, World Junior/Youth Championships, World Cup, World Grand Champions Cup, Volleyball Nations League, Beach Volleyball World Tour, Beach Pro Tour, Regional Tournaments of NORCECA, CSV, CAVB, CEV, and AVC, Professional teams, University, College, School and Stadiums.

Olympic Games

World
Championships

Nations League

Continental Cup

Beach Pro Tour

NORCECA

CSV

CAVB

CEV

AVC

Pro Team

University

School

Stadium

■ Durability - Senoh Steel

Senoh's FIVB approved official volleyball posts (DE1015) are made of special cold drawing steel tube that is specially manufactured for volleyball.

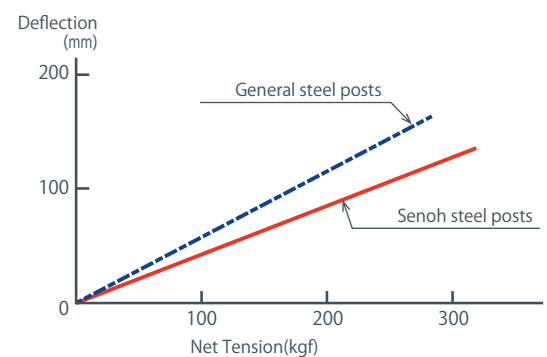
General steel pipe has a joint as it is made by rounding then welding a flat plate. This process enables inexpensive mass production but the welded part causes a quality unevenness. Senoh steel tube has no joint (imagine drawing a hole from a round pillar) and this seamless steel allows inner tube to move up and down smoothly and obtains stability in both toughness and deflection. Also due to its thickness, DE1015 can be approximately 3 times stronger compared to general steel posts. Senoh Steel Posts withstand the power of top athletes.



	1. Yield Point	2. Tensile Strength
Senoh Steel Φ76.3, TH5.15mm	★★★	★★★★★
General Steel Φ76.3, TH4.2mm	★	★★

1. Boundary that the deformation is not restored to its original condition.

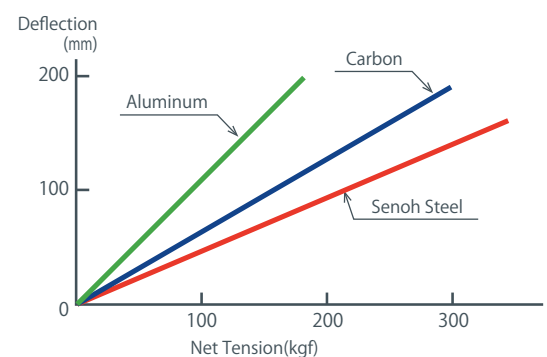
2. Strength at breaking point



■ Lightweight - Senoh Carbon

The lightest carbon posts (DE5300) have been released by combining Mizuno carbon technology and Senoh manufacturing expertise.

This light product (only 23kg in pair) enables women, children, and the elderly, to carry and set up more easily and safely. Besides, the carbon is free from rust and paint peeling in a long term use. For volleyball as lifelong sport --- Senoh is proud of providing all the volleyball players with the variety of products that are absolutely safe and have a long life.



■ Renovation - Senoh Beach System

Senoh's Beach Volleyball System has been consecutively selected at Olympic Games since Atlanta 1996 to London 2012 and TOKYO 2020.

The succeeding system comes into the world. The new products are renovated for beach use --- dust/ water/ rust proof, easy height adjustment, reasonable weight to handle --- and sustain the durability for high performance.



■ Accurate & User-Friendly Design

Height Adjustment

Senoh's bevel gear enables stepless height adjustment (1900-2430mm) and accurate net height setting is feasible according to various floor thickness.

Designed Inclination

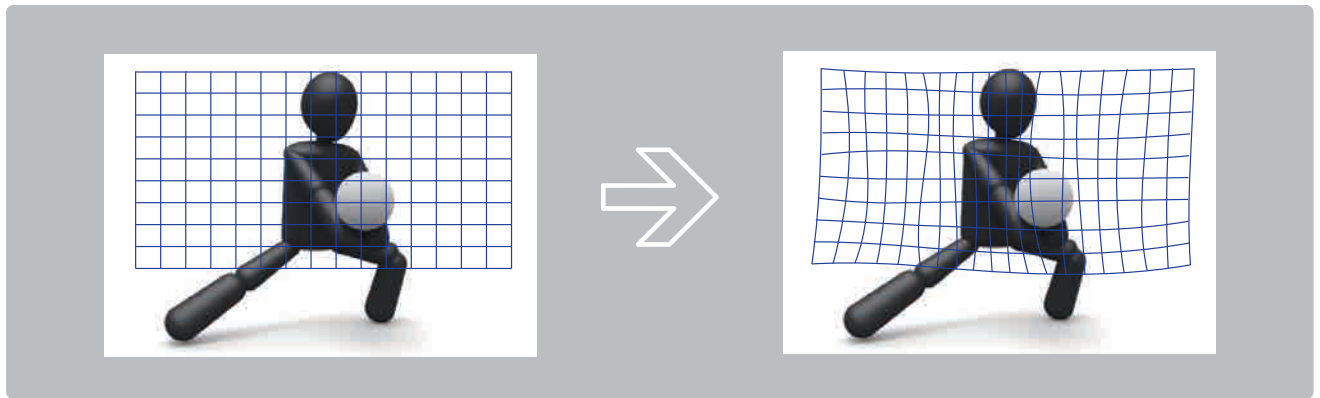
Senoh's floor apparatus (for indoor) and anchor system (for beach) are designed to be inclined outward taking "a bow of upright by net tension" into account.

* Excessive net tension may cause a damage on net or upright. Net tensioning limit should be 90 degree (until the upright stands vertically).



■ Visibility - Perfect Square

Hard to see if net is distorted --- Senoh's technology creates "Perfect Squares" of the net for high visibility.



Material Technology

Senoh's net string is composed of 360pcs of ultra fine fiber (90T). This Superlex (90T/360) enables Senoh net being light, tough, and flexible.



Manufacturing Technology

The upper white bands are stitched with cords and adjust the net square s easily.



"Perfect Squares" make it possible to highlight your logo.

Logo print on DE800361 (official volleyball net with 45mm square mesh) is available upon your request.



■ Tension Strength & Durability

Rope end is caulked in 2 ranges and the compressed fitting with resin prevents ropes coming off.

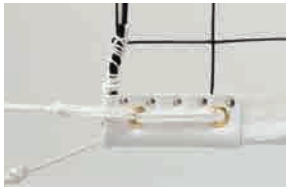


Senoh Caulking



General Caulking

Tension at side ropes is even and this way of tying prevents crease or tear.



Senoh Rope Work



General Rope Work



Senoh Technora Cable
Technora cable enables high tension strength and durability without fray or torsion.

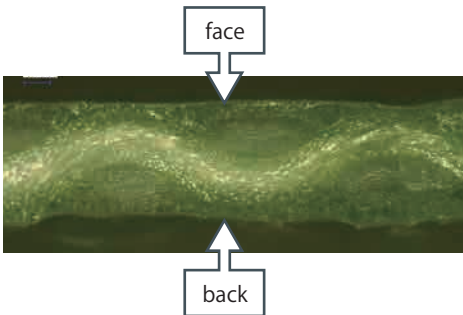
	1. Yield Point
Tension Strength	Cleared 8000[N] (load of general use: 2500[N])
Durability	Cleared 10000 times load test of 0 ~ 2500[N]

■ White & Clean

White band is a part being touched very often --- specular working prevents stain or finger marks and keeps the bands white and clean. Senoh's smooth and even white band enables to receive clear logo printing.

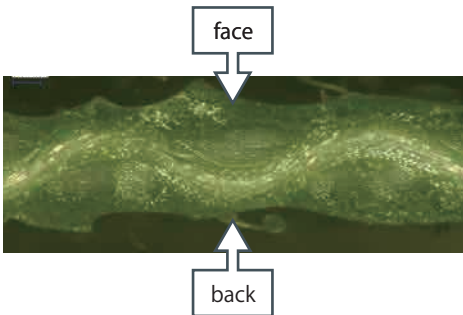


White Band with specular working (Senoh)



Senoh white band

**White Band without specular working
Uneven surface catches finger marks easily.**



Gneral White Band

FIVB Approved Indoor Volleyball System



Senoh's "Volleyball & Beach Volleyball Posts, Safety Pads, Net & Antennae and Referee Chair" have been approved by FIVB as official equipment since 1992.



DE101500 Official Volleyball Posts

FIVB approved
Indoor use
Internal bevel gear system
Special cold drawing steel tube construction
Fine height adjustment for multiple floor heights
Under-floor L300mm
$\varnothing 76.3\text{mm}$



DE201000 Official Safety Pads

FIVB approved
Indoor use
Urethane foam
Inside TV cable insertion
H1850 x L230 x W280mm

How to set up





DE800300 Official Volleyball Net

FIVB approved

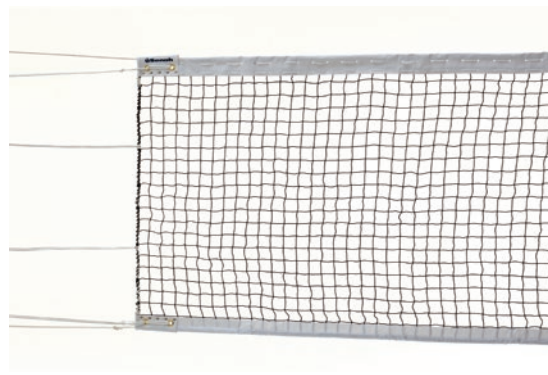
Indoor use

Polyethylene net with technora cable

Dtex 90T/360

H1000 x L9500mm

100mm x 100mm square mesh



DE800361 Official Volleyball Net

FIVB approved

Indoor use

Recycled polyester with technora cable

Dtex 1670T/14

H1000 x L9500mm

45mm x 45mm square mesh



※ Logo print on DE800361 net mesh available (DE800P01-10)



※ Logo print on white bands available upon request (DE800080)





DL052000 Official Referee Stand

FIVB approved

Indoor use

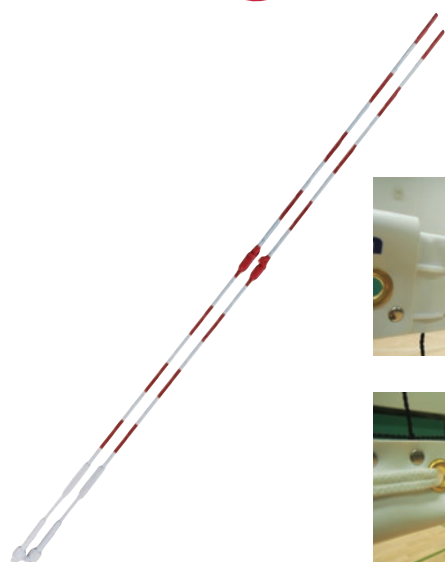
Heavy duty steel frame with padding

Easy to transport with casters

Detachable hand rail

H1850 x L1100 x W970mm

Footplate height is finely adjusted by handle
(H1040-1640mm)



DE941100 Official Volleyball Antennae

FIVB approved

Indoor & Beach use

Sold in pair

L1800 x Φ 10mm

Made in Taiwan



KD014000



KD014100

KD014000 Floor Apparatus
(for Floating Wooden Floor)

KD014100 Floor Apparatus
(for Synthetic over Concrete Floor)

Indoor use

Upright socket under floor

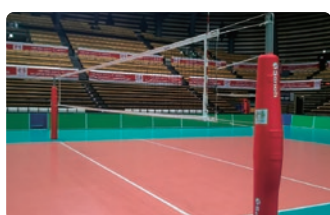
Aluminum alloy sliding type

Under floor L350mm(for under floor L300mm upright)

Floor plate L170 x W146mm

For Φ 76.3mm Post

All Senoh Indoor Volleyball Posts require Floor Apparatus to be installed previously under the floor before setting the Posts up. Construction concrete setting may take about 7-14days.



DE220000 Safety Pad Cover

Custom made cover for DE201000

Any color + any print design with wide range of possibilities

Easy attach and detach with Velcro and zipper

Light and smooth fitting

Tricot made

How to set up





Senohs' Beach Volleyball Net System has been continually evolving. The high grade model has higher rigidity, faster net height change between men and women without losing the net. It has been used at Top Class FIVB events and TOKYO 2020 Olympic Games.

High Grade version



High Grade version



DE551000 Beach Volleyball Posts HG

FIVB Approved
Internal bevel gear system for fine height adjustment
Enables easy and fast net height change
With net tension gauge
Aluminum made
Dust/Water/Rust proof design
Under ground L300mm
Inner post $\Phi 76.3$ mm, outer post $\Phi 100$ mm

Without loosening net, fast and easy net height change.



DE231000 Safety Pads HG

FIVB Approved
For DE551000
Urethane foam covered with tarpaulins
Dust/Water/Rust proof design
Easy attach/detach with Velcro tapes
H 2000 mm

DL061000 Beach Volleyball Referee Stand HG

FIVB Approved
Steel frame with padding (Urethane foam covered with tarpaulins)
Dust/Water/Rust proof design
W 1310 mm, D 1070 mm Hand Rail : H 2145-2345 mm Foot step : H 930 – 1530 mm





Since the succeeding system comes into the world, Senohs' Beach Volleyball Net System has been consecutively selected at the major international events. Also, it is expanded to use at sport clubs and sport facility.

The products are for beach use --dust/water/rust resistant, easy height adjustment, reasonable weight to handle and sustain the durability for high performance.

Standard version



Standard version



DE500000 Beach Volleyball Posts

FIVB approved

Beach use

Internal bevel gear system for fine height adjustment

Aluminum made

Dust/Water/Rust proof design

Under ground L300mm

Inner post : $\Phi 76.3\text{mm}$
Outer post : $\Phi 85.0\text{mm}$



DE210000 Safety Pads

FIVB approved

Beach use

Urethane foam covered with tarpaulins

Easy attach/detach with Velcro tapes

Dust/Water/Rust proof design

H1700mm



DL020000 Beach Volleyball Referee Stand

FIVB approved

Beach use

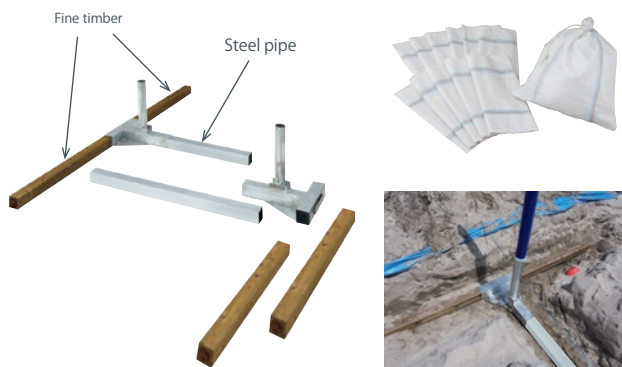
Steel frame with padding

Detachable handrail

H2100 x W750 x D900mm

Footplate height adjustable 930-1430mm

FIVB Approved Beach Volleyball System



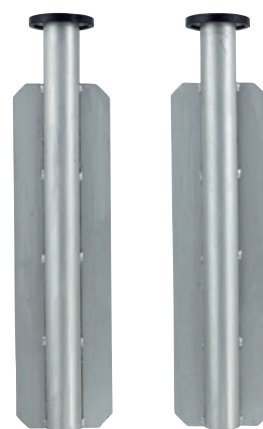
KZ501000 Beach Volleyball Anchor System

Beach use

Hot dip galvanized steel anchor socket x2
Steel pipe 1500mm x 2
Fine timber 1500mm x 4
Sand bag x 12

For Ø76.3mm post For under floor L300mm post

Under ground 500mm



KZ510000 Beach Volleyball Anchor System

Beach use

Hot dip galvanized steel anchor socket x2

Simple type for the court with enough sand depth

Under ground 1000mm

For Ø76.3mm post For under floor L300mm post



DE630000 Beach Volleyball Court Lines

Beach use

For 16x8m court, consists of 4 lines

Polypropylene made

Pulled in the sand by adjustable polyester cable and rubber disc base

W50mm



DE841000 Official Beach Volleyball Net

FIVB approved

Beach use

Technora cable with polyethylene net

With wooden stick

Dtex 90T/360

H1000 x L8500mm

DE841061 Official Beach Volleyball Net

Same specification as DE8410

45mm x 45mm square mesh

- FIVB logo print on DE841000 may be required for particular game under regulation
- Logo print on DE841061 net mesh available



DE151500 Steel Volleyball Posts
Indoor use
12 pin stops system for the fixed floor height
Special steel cold drawing tube construction
Φ76.3mm
Under-Floor L300mm



DE530000 Carbon Volleyball Posts
Indoor use
Internal bevel gear system with fine height adjustment for multiple floor heights
Carbon
Φ76.3mm
Under-Floor L300mm

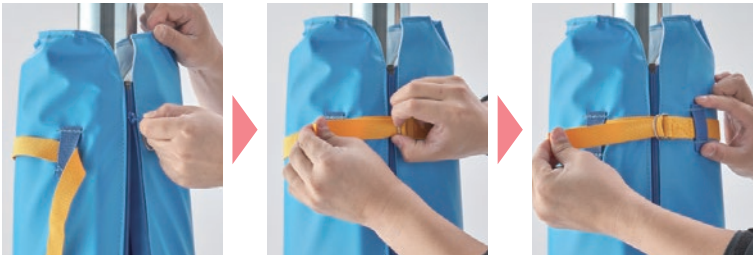


DE130000 Aluminum Volleyball Posts
Indoor use
Internal bevel gear system with fine height adjustment for multiple floor heights
Rust-resistible aluminum made
Φ76.3mm
Under-Floor L300mm



DE190100 Safety Pads
Indoor & Beach use
Polyethylene & urethane double layers foam
Ester waterproof with zipper
H1700mm

How to set up



Volleyball Other Models



DE850000 Volleyball Net

Technora cable with recycled polyester net

dtex 1650T/16

100mm x 100mm square mesh

H1000 x L9500mm with side belts



DE820200 Volleyball Net

Technora cable with polyethylene net

dtex 440T/60

H1000 x L9500mm with side belts

100mm mesh



**DE9FVB01
Volleyball
Net EN**

Indoor use

**DE9FVB02
Volleyball
Net EX**

**DE9FVB03
Volleyball
Net EN**

Beach use

Polyethylene net with Technora cable

Dtex 488T/45, Ø2.5mm

Side belts included

H1000mm
L9500mm

H1000mm
L8500mm

100mm x 100mm square mesh

Top rope
strength
8400N

Top rope
strength
5500N

Top rope
strength
8400N

Made in Taiwan



DL020100 Referee Stand

Footplate height 930 - 1430mm

L1000 x W680mm x H2100mm

With casters, handrail
and drink holder



DL013100 Referee Stand

For multi-purpose use

Footplate height 830 - 1530mm

L745 x W784mm x H1572mm



In 2016, Senoh's volleyball expertise bears sitting volleyball equipment. Light and tough carbon made uprights enable easy handling. For all the people who love and enjoy volleyball --- Senoh is proud of providing all the volleyball players with the best quality that is absolutely safe and have a long life. Senoh's sitting volleyball system was selected and used at Tokyo 2020.



DE530800
Sitting Volleyball Posts

For Sitting Volleyball
Internal bevel gear system for fine height adjustment
Carbon made
Under ground L300mm
Φ76.3mm



DE211800
Sitting Volleyball Safety Pads

For Sitting Volleyball
Urethane foam covered with tarpaulins
Easy attach/detach with Velcro tapes
H1150mm



DE051800
Sitting Volleyball post with Portable Base

For Sitting volleyball
Internal bevel gear system for fine height adjustment
Special cold drawing steel tube construction
Weight 20 kg × 60 pc for pair
Urethane foam covered with tarpaulins,easy attach/detach with Velcro tapes
L1000 × W1160 × H1000 - 1200mm



DE050M30
Antislip Protection Panel

For DE0508
For vinyl sports flooring (ex:taraflex)
L910×W1050×TH9mm



DE821800 Sitting Volleyball Net

For Sitting Volleyball

Technora cable with polyethylene net

dtex 440T/60

100mm x 100mm square mesh

H800 x L7000mm with side belts



DE941800 Sitting Volleyball Antennae

For Sitting Volleyball

Sold in pair

L1600 x Φ 10mm

Glass fiber made

DE943800 Sitting Volleyball Antennae & Side Belt with Pocket

For Sitting Volleyball

WPV recommended for the competition

Sold in pair

L1600 x Φ 10mm

Glass fiber made

With net side belt with pocket



KD014000

KD014100

KD014000 Floor Apparatus (for Floating Wooden Floor)

KD014100 Floor Apparatus (for Synthetic over Concrete Floor)

Indoor use

Post socket under floor

Aluminum alloy sliding type

Under floor L350mm(for under floor L300mm upright)

Floor plate L170 x W146mm

For Φ 76.3mm

All Senoh Indoor Volleyball Posts require Floor Apparatus to be installed previously under the floor before setting the Posts up. Construction concrete setting may take about 7-14days.



DS073000 Desktop Scoreboard

Indoor & Beach use

For scorer desk

Double face indication

Set: 0-5, Score: 0-48

H243 x W490 x D164mm



DS073100 Manual Scoreboard

Indoor & Beach use

DS0730 with leg stand

Double face indication

Set: 0-5, Score: 0-48

H1230 x W490, Dia300mm



DS015100 Manual Scoreboard

Indoor use

for Volleyball and Basketball

White board for free writing

Set : 1-5, Score : 0-199

Water-proof score canvas
H420 x W180mm

H1805 x L1525 x W658mm



DS040000



Scoreboard with
Sponsor Board.



DS040M10



※Latch to prevent the number
plate flipping by strong wind.

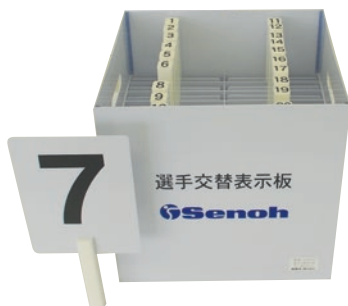
DS040000 Manual Scoreboard

Beach use

H1800 × W930 × D450 mm

DS040M10 Sponsor Board

H460 × W900 × D45 mm



DS9P5410 Substitution Paddle

Indoor use

Set of 2 boxes (No.1-20)

Polyvinyl /acryl made

H295 x L282 x W308mm

Number plate H180 xW140mm

Made in Poland



DS040M01 Server Indicator

Beach use

Number plate H180 xW140mm

Set of 2 units, with nylon bag

Made in Poland



DK083000 Desktop Ball Stand

Indoor & Beach use

For scorer desk

Holds 6 official measured balls

H510mm



DZ910100 Net Height Measurer

Indoor & Beach use

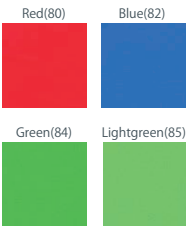
Multi-purpose

Aluminum made

Measurement range 914-3050mm



Yellow(81)



AT9110 Spotting Block

For receive training
(attacker safely can stand on the block)

Styrene foam with EVA, covered with tarpaulin

W630 × L1050 × H800mm

5 color choices

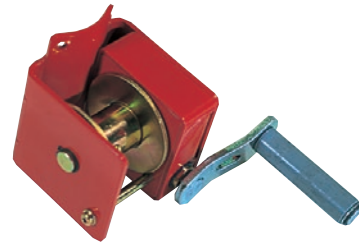


AT320000 Spotting Block

For receive training
(attacker safely can stand on the block)

Styrene foam with urethane, covered with vinyl leather

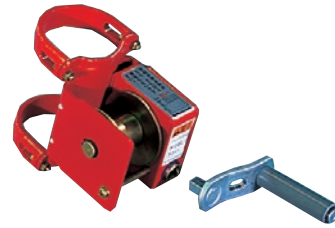
W700 × L1000 × H600mm



DE100M36 Net Ratchet

Worm gear system

For DE1015 and DE1515



DE100M71 Net Ratchet

Worm gear system

For DE1300, DE5300, and DE5308



DE100M58 Handle

For net ratchet height
adjustment

For all Senoh upright



DE800M03 Top rope

Technora cable

L 1550cm

For replacement



DK061000 Ball Cage

Indoor use

For 42 volleyball with casters

Foldable T125mm

W650 x L875 x H670mm



DK011100 Bar Storage Rack

Indoor use

For 18 uprights with casters
(for 4 volleyball uprights on red hook)

W800 x L1100 x H1510mm



DK011000 Bar Storage Rack

Indoor use

For 8 uprights with casters
(for 4 volleyball uprights)

W600 x L1100 x H800mm

33kg



DE000040 Bar Storage Rack

Indoor use

For 2 volleyball uprights with casters

W440 x L1340 x H800mm



DE560000 Portable Beach Vollerball Set

Beach Use

Including: Beach post, Net, Side belt, Antennae, Court Line, Bag as Post pad

Post: Aluminum, Net; Polyethylene, Cour Line: Nylon, Safety Pad: Nylon, Antennae; Glassfiber

Strage Size: L120 x W25 x H30 cm

Made in Taiwan



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