

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 the official volleyball systems for the 30th Olympic at London. It extends our record as the Olympic supplier of Indoor Volleyball for 12 consecutive games after Tokyo in 1964, and 5 consecutive games for Beach Volleyball since Atlanta in 1996 at which the beach volleyball first became the Olympic game.

Senoh has the system 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 systems as the international standards.



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

Olympic Games	World Championships	World Cup	World Grand Champions Cup	Nations League	Continental Cup	World Tour
NORCECA	CSV	CAVB	CEV	AVC		
Pro Team	University	School	Stadium			

■ Durability - Senoh Steel

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

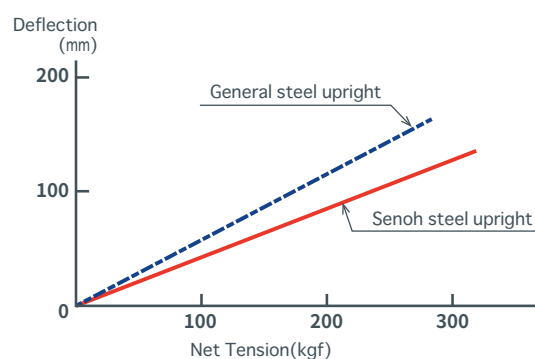
General steel pipe has a joint as it is made by rounding then welding a flat plate. This process enables inexpensive mass production but the welded part causes a quality unevenness. Senoh steel tube has no joint (imagine drawing a hole from a round pillar) and this seamless steel allows inner tube to 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 uprights.

Senoh Steel Uprights 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



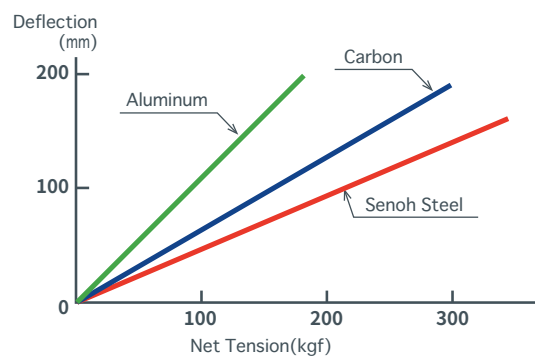
■ Lightweight - Senoh Carbon

The lightest carbon uprights (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.

In May 2015, 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

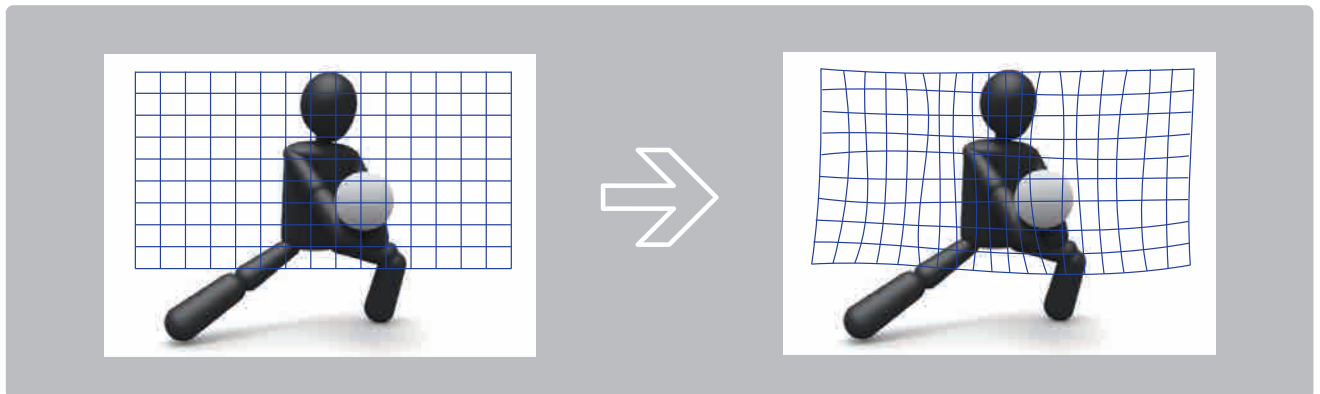
Senoh's floor apparatus (for indoor) and anchor system (for beach) are designed to be inclined outward taking "a bow of upright by net tension" into account.

* 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

Both upper and lower 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.

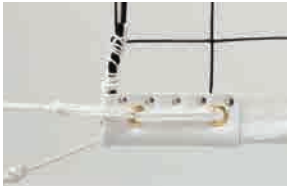


Senoh Caulking



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.

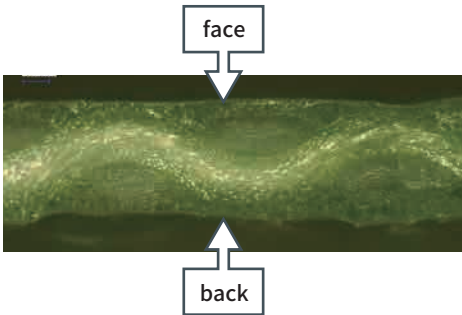
	1. Yield Point
Tension Strength	Cleared 8000[N] (load of general use: 2500[N])
Durability	Cleared 10000 times load test of 0 ~ 2500[N]

■ 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.

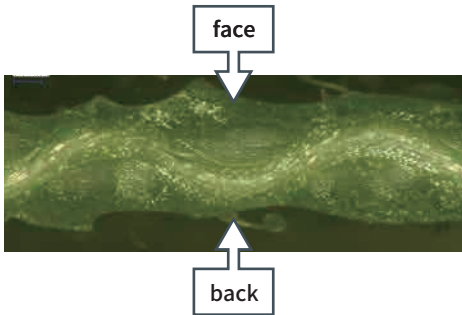


White Band with specular working (Senoh)



Senoh white band

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



Gneral White Band



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



DE1015 Official Volleyball Uprights

FIVB approved
Indoor use
Internal bevel gear system
Special cold drawing steel tube construction
Fine height adjustment for multiple floor heights
Under-floor L300mm
φ 76.3mm
60kg / pair



DE2000 Official Safety Pads

FIVB approved
Indoor use
Urethane foam
Inside TV cable insertion
H1850 x L230 x W280mm
24kg / pair

How to set up



※ FIVB logo print on white bands may be required for particular games under regulation (DE800080)

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

DE8003 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/18
H1000 x L9500mm
45mm x 45mm square mesh



DL0520 Official Referee Stand

FIVB approved

Indoor use

Heavy duty steel frame with padding

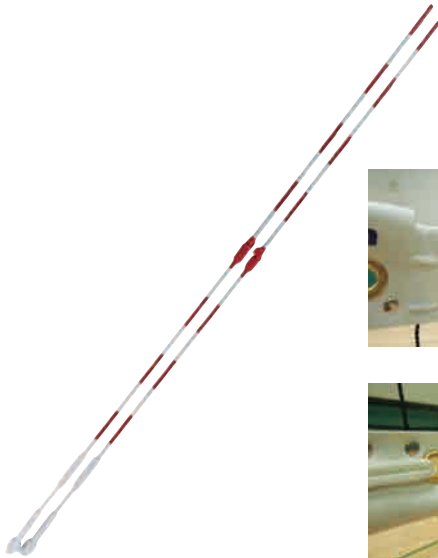
Easy to transport with casters

Detachable hand rail

H1850 x L1100 x W970mm

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

120kg / unit



DE9411 Official Volleyball Antennae

FIVB approved

Indoor & Beach use

Sold in pair

L1800 x Φ 10mm

1.2kg / pair



KD0140



KD0141

KD0140 Floor Apparatus (for Floating Wooden Floor)

KD0141 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 Upright

7kg / pair

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

FIVB Approved Beach Volleyball System



Senoh's Beach Volleyball System has been consecutively selected at Olympic Games since Atlanta 1996. In May 2015, the succeeding system comes into the world. The new products are renovated for beach use -- dust/water/rust resistant, easy height adjustment, reasonable weight to handle --- and sustain the durability for high performance.



DE5000 Beach Volleyball Uprights

FIVB approved
Beach use
Internal bevel gear system for fine height adjustment
Aluminum made
Dust/Water/Rust proof design
Under ground L300mm
φ 76.3mm
40kg/pair



DE2100 Safety Pads

FIVB approved
Beach use
Urethane foam covered with tarpaulins
Easy attach/detach with Velcro tapes
Dust/Water/Rust proof design
H1700mm
5kg/pair



DL0200 Beach Volleyball Referee Stand

FIVB approved
Beach use
Steel frame with padding
Detachable handrail
H2102 x W600 x D913mm
Footplate height adjustable 830-1330mm
60kg / unit



KZ5010 Beach Volleyball Anchor System

FIVB approved

Beach use

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

For $\Phi 76.3$ mm upright For under floor L300mm upright

Under ground 500mm

65kg / set



KZ5100 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 $\Phi 76.3$ mm upright

26kg / set



DE6300 Beach Volleyball Court Lines

FIVB approved

Beach use

For 16x8m court, consists of 4 lines

Polypropylene made

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

W50mm

6kg / set



DE8410 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 DE8410 may be required for particular game under regulation
- Logo print on DE841061 net mesh available



DE1515 Steel Volleyball Uprights

Indoor use

12 pin stops system for the fixed floor height

Special steel cold drawing tube construction

φ 76.3mm

Under-Floor L300mm

55kg / pair



DE5300 Carbon Volleyball Uprights

Indoor use

Internal bevel gear system with fine height adjustment for multiple floor heights

Carbon

φ 76.3mm

Under-Floor L300mm

23kg / pair



DE1300 Aluminum Volleyball Uprights

Indoor use

Internal bevel gear system with fine height adjustment for multiple floor heights

Rust-resistible aluminum made

φ 76.3mm

Under-Floor L300mm

33kg / pair



DE1900 Safety Pads

Indoor use

Urethane foam

Divided into 4 parts

H1730 x D166 x W245mm

18kg / pair



DE1901 Safety Pads

Indoor & Beach use

Polyethylene & urethane double layers foam

Ester waterproof with zipper

H1700mm

4.8kg / pair

How to set up



How to set up





DE8500 Volleyball Net

Technora cable with recycled polyester net

dtex 1650T/16

100mm x 100mm square mesh

H1000 x L9500mm with side belts



DE8202 Volleyball Net

Technora cable with polyethylene net

dtex 440T/60

H1000 x L9500mm with side belts

100mm mesh



DE9FVB01
Volleyball
Net EN

DE9FVB02
Volleyball
Net EX

DE9FVB03
Volleyball
Net EN

Indoor use

Beach use

Polyethylene net with Technora cable

Dtex 488T/45, Φ 2.5mm

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



DL0120 Referee Stand

For multi-purpose use

Footplate height 830 - 1530mm

L745 x W784mm x H1572mm

36kg / unit

Sitting Volleyball System



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.



DE5308 Sitting Volleyball Uprights

For Sitting Volleyball
Internal bevel gear system for fine height adjustment
Carbon made
Under ground L300mm
φ 76.3mm
17kg/pair



DE2118 Sitting Volleyball Safety Pads

For Sitting Volleyball
Urethane foam covered with tarpaulins
Easy attach/detach with Velcro tapes
H1150mm
1.2kg/pair



DE0508 Sitting Volleyball Upright with Portable Base

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



DE8218 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



DE9418 Sitting Volleyball Antennae

For Sitting Volleyball

Sold in pair

L1600 x Φ 10mm

1kg /pair

Glass fiber made

DE9438 Sitting Volleyball Antennae & Side Belt with Pocket

For Sitting Volleyball

Sold in pair

L1600 x Φ 10mm

Glassfiber made

With net side belt with pocket



KD0140

KD0141

KD0140 Floor Apparatus (for Floating Wooden Floor)

KD0141 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

7kg / pair

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



DS0730 Desktop Scoreboard

Indoor & Beach use

For scorer desk

Double face indication

Set: 0-5, Score: 0-48

H225 x W476 x D130mm

2.5kg / unit



DS0731 Manual Scoreboard

Indoor & Beach use

DS0730 with leg stand

Double face indication

Set: 0-5, Score: 0-48

H1230 x W476 , Dia300mm

9kg / unit



DS0140 Manual Scoreboard

Indoor use

for Volleyball and Basketball

Black board for free writing

Set : 1-5, Score : 0-199

Water-proof score canvas
H420 x W180mm

H1805 x L1525 x W658mm

23kg / unit



DS0400 Manual Scoreboard

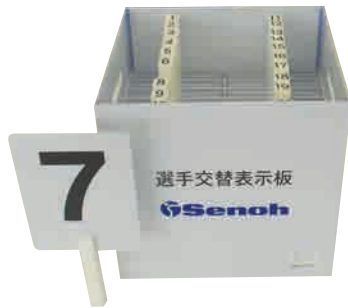
Beach use

H1800 × W930 × D450 mm

27kg / unit

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

5kg /unit



DS040M01 Server Indicator

Beach use

Number plate H180 xW140mm

Set of 2 units, with nylon bag



DL060M01 Warning Card

Indoor & Beach use

In synthetic leather holder with Velcro tape

Yellow and red cards

H100 x W150mm



DZ9110 Height and Tension Gauge

Indoor use

Measurement range 2100-2440mm

runs on 3 AAA size batteries

Storage size 900mm

2kg



DZ9101 Net Height Measurer

Indoor & Beach use

Multi-purpose

Aluminum made

Measurement range 914-3050mm

3kg



AT9100 Spotting Block

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

Styrene foam with EVA, covered with tarpaulin

W600× L1100× H800mm

12.5kg

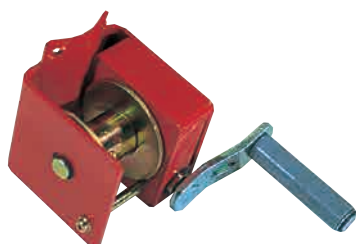
AT3200 Spotting Block

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

Styrene foam with urethane, covered with vinyl leather

W700× L1000× H600mm

12kg



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



DK0820 Desktop Ball Stand

Indoor & Beach use

For scorer desk

Holds 6 official measured balls

H510mm

6kg / unit



DK0600 Ball Cage

Indoor use

For 42 volleyball with casters

Foldable T125mm

W650 x L875 x H670mm

15kg



DK0111 Bar Storage Rack

Indoor use

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

W800 x L1100 x H1510mm

46kg



DK0110 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

14kg

Volleyball Miscellaneous Goods



DE2200 Safety Pad Cover

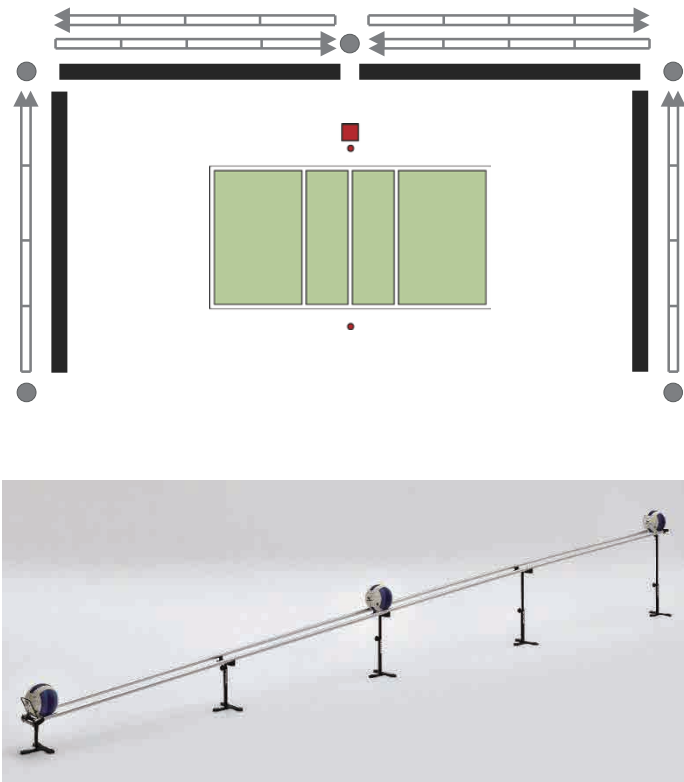
- Custom made cover for DE2000
- Any color + any print design with wide range of possibilities
- Easy attach and detach with Velcro and zipper
- Light and smooth fitting
- Tricot made
- 1.0kg / pair

How to set up



DE6400 Ball Transport Lane

- 6 Ball Rolling Apparatus and 5 Ball persons are placed behind LED advertising boards
- Aluminum made rail : 156pc
- Steal made stands : 36pc



COMING SOON



DE5500 Beach Volleyball Uprights

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

60 kg / pair

COMING SOON



DE2300 Safety Pads

FIVB Approved

Urethane foam covered with tarpaulins

Dust/Water/Rust proof design

Easy attach/detach with Velcro tapes

H 2000 mm

15 kg / pair

COMING SOON



DL0600 Beach Volleyball Referee Stand

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 : H930- 1530 mm

65 kg / unit



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