



PESMENPOL®

PRODUCER OF SPORTS DEVICES
EQUIPMENT FOR SPORTS HALLS

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EQUIPMENT FOR SPORT FACILITIES SPORTS EQUIPMENT MANUFACTURER

Product catalog **PESMENPOL®**



2011/2012

www.pesmenpol.com.pl



inż. Edward Niepsuj

Dear Clients,

PESMENPOL inż. (eng.) Edward Niepsuj, a manufacturing and retail company, is Poland's leading manufacturer of professional sports equipment and supplier of sports hall apparatus and fittings. The company's offer includes the manufacture of professional equipment for team games (basketball, volleyball, tennis etc.), and both fixed and mobile apparatus and fittings for sports halls, gymnasiums, outdoor sports grounds and stadiums. The manufacture of all our equipment is implemented on the basis of our own, in-house design solutions, following strength and performance testing. The end result is excellent quality equipment, which ensures its popularity among domestic and foreign users alike. In addition to manufacturing activity, PESMENPOL offers professional sports equipment assembly and installation in halls and at sports grounds. Using state-of-the-art assembly technologies, our qualified staff equip sports facilities after their final completion, with no need to perform preparatory building work.

PESMENPOL inż. Edward Niepsuj has an extensive machine shop for manufacturing steel elements, as well as a modern powder coating shop and steel laser treatment centre. Our assembly units are equipped with professional tools. We also have our own design facilities, equipped with AutoCAD workstations, where sports hall equipment is designed and pre-manufacture work is carried out. Sports equipment delivery and installation works are carried out by our assembly units which have the fleet of 20 light vans and heavy goods vehicles at their disposal.

Our company guarantees the provision of comprehensive and complex service to our clients relating to counseling concerning the selection of optimal sports equipment standard, design an arrangement of sports equipment and layout of the sports apparatus and fittings at a particular sports facility. In this catalogue, we present our equipment for sports halls, gymnasiums, football fields and outdoor sports grounds. We invite cooperation from developers and sports facility constructors, as well as schools and sports clubs.

We hope that you will find what you are looking for here and that this will be the start of an ongoing and fruitful co-operation.

With sporty regards

Edward Niepsuj



PESMENPOL®



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Sports Hall
ul. Hugona Kołłątaja 1,
62-031 Luboń



Sports Hall
ul. Wąskotorowa 4,
86-010 Koronowo

Sports Hall
ul. Krakowska 172,
32-089 Wielka Wieś





Sports Hall
ul. 3 Maja 97B,
32-400 Myślenice



Sports Hall
Gimnazjum Nr 4
im. Jana Pawła II,
ul. Hubala 4,
05-800 Pruszków



Sports Hall
ul. Rokocińska 6,
97-225 Ujazd



Sports Hall
ul. Szkolna 1, 59-140
Chocianów



Sports Hall
os. Świerczewskiego,
32-090 Słomniki



Sports Hall
ul. Książogórska 90,
41-922 Radzionków



Sports Hall
ul. Żeromskiego 15,
05-510 Konstancin
Jeziorna



Sports Hall
ul. Jana III Sobieskiego
and Bolesława
Chrobrego
05-120 Legionowo



Sports Hall at the
Adama Mickiewicz
University
ul. Umultowska 89A,
61-614 Poznań



Outdoor Playground,
ul. H. Sawickiej,
78-131 Dźwirzyno



Outdoor Playground,
ul. 17 Stycznia 2,
42-436 Pilica



Stadium
im. H. Reymana (Wisła
Kraków Stadium),
ul. Reymonta 22,
30-059 Kraków



Outdoor Playground,
ul. Spółdzielców 5,
30-682 Kraków



Outdoor Playground,
Popów 26, 19-200
Grajewo



Outdoor Playground,
ul. Ks. S. Połętka 34,
32-043 Skała

8-23

basketball



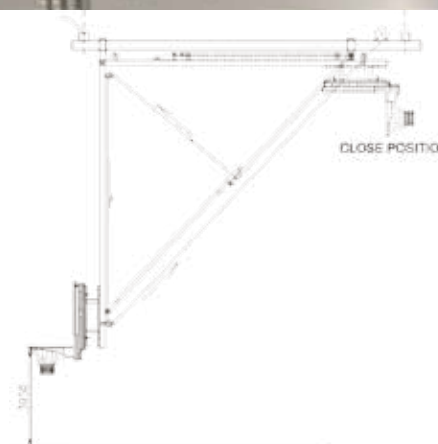
Art. nr 1-25

Suspensions structure with electric drive

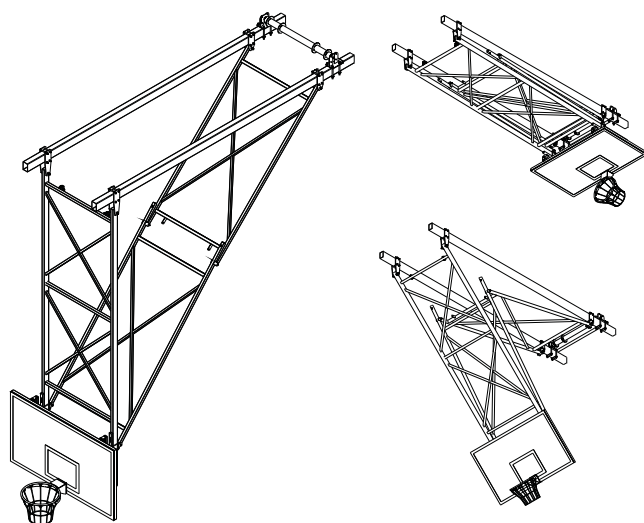
Secured to the supporting structure of the sports hall ceiling. Designated for use in sports hall with a length exceeding 36.0 m and a lower ceiling surface height of up to 9.0 m.

The closed steel profile construction guarantees full stability of individual elements during loading. The backboard mounting frame is lowered or lifted by steel cords reeled onto the electric motor drum with a 2220 V, P= 410W voltage. After lowering, the backboard is set in a vertical position (ring-to-floor height - 3.05 m). The motors are operated by means of control buttons sited in boxes.

The weight of each lowered structure, with the backboards, is 350 kg. Complies with FIBA standards. Depending on the sports hall structure, the backboard can be folded forwards or backwards.



Basketball suspension structures with electric drive are certified for compliance with the standards of **COBRABID BBC Office for Testing and Certification in Warsaw.**

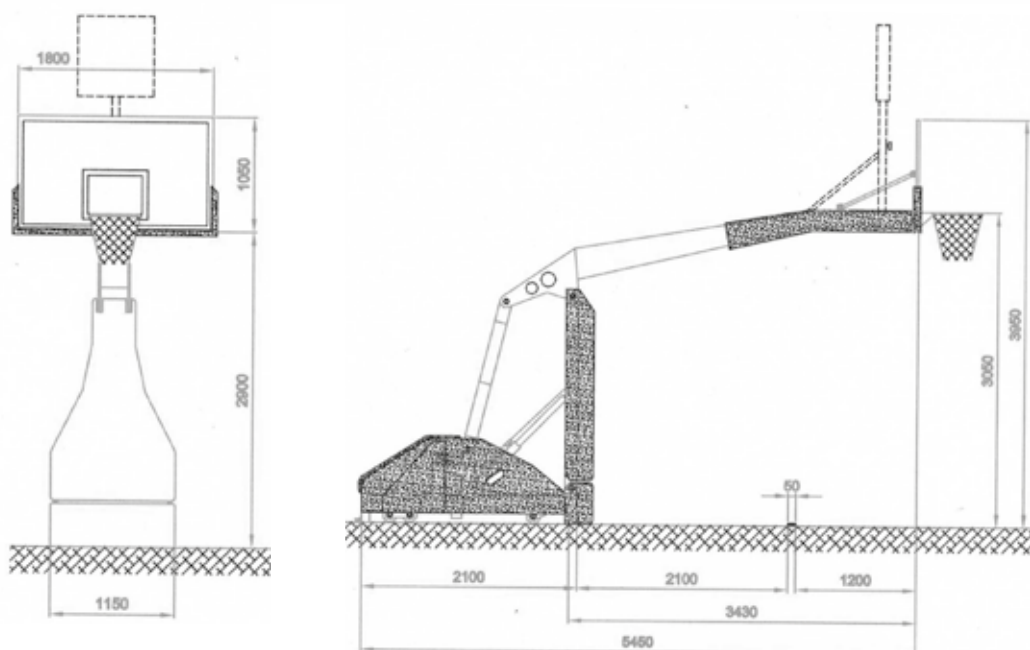




Art. nr 1-70

S04110 EASYPLAY OFFICIAL

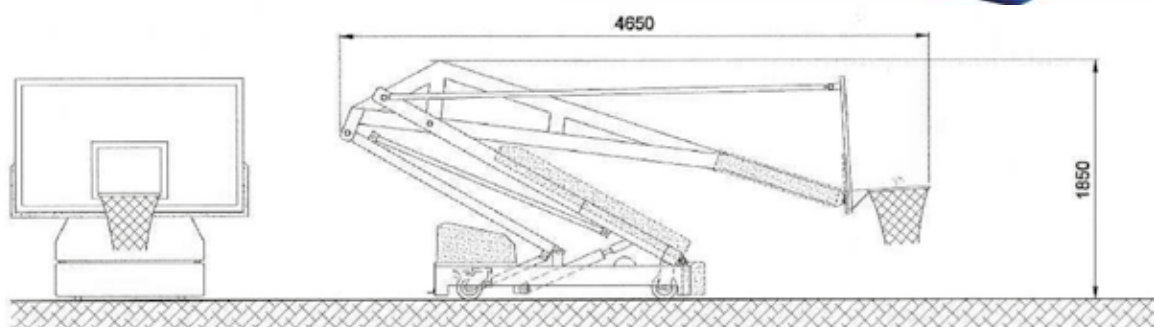
A mobile basketball unit with dynamic counterbalance. Powder coated steel construction, hinges and joints fitted on antifriction bearings. Adjustable height and position of boards. "PLAY" position (basketball structure unfolded) and "REST" position (basketball structure folded) is activated through an innovative and patented counterbalance system which completely replaces a traditional electromechanical, electrohydraulic and manual systems. Front and rear cart internally integrated on the base of the basketball unit which is automatically lifted or lowered when the system unfolds or folds the construction without the need to control the carts. The front shield is covered with synthetic and washable material with the thickness of 15 cm. The system when delivered comes complete with the following elements: two tempered safety glass boards 180 x 105 cm with the thickness of 12 mm with covers of lower edges; two backboard rings with nets. The system contains rear plates for anchoring to the floor. The system complies with FIBA standards.



Art. nr 1-74

S04102 HYDROPLAY OFFICIAL

Oleodynamic mobile basketball backstops. Varnished steel structure, hinges and joints fitted on bearings (pivotal or antifriction positions). Adjustable height and position of boards. "PLAY" position (basketball structure unfolded) and "REST" position (basketball structure folded) is activated with the use of: oleodynamic delivery pump panel. Steam regulator ensures the increase or decrease of the rate of lifting or lowering the board. The valve permanently fitted on the cylinder guarantees the blockage of movement in the desired direction during irregular and unsmooth operation caused by clogged or cracked wires. Mobile system consists of two mobile and two stationary wheels which are pulled out or retracted when basketball unit is lifted or lowered. Shield is covered with synthetic and washable material with the thickness of 15 cm. Safety glass boards equipped with covers of lower edges. Mobile backboard ring with net made of reinforced cotton. Approximate weight of a complete system is 1050 kg each. The system when delivered comes complete with the following elements: two tempered safety glass boards 180 x 105 cm with the thickness of 12 mm with covers of lower edges; two backboard rings with nets. The system contains rear plates for anchoring to the floor. Reach of arm: 330 cm. required length for proper setting is 425 cm. Dimensions after folding the basketball unit: 410 x 185 x 1709 cm. The system complies with FIBA standards.




Art. nr 1-77
Basketball backstops PESMENPOL

Single arm structure with a 225 cm reach. A mobile unit, consisting of two mobile and two stationary wheels that are pulled out or retracted while the basket is being lifted or lowered. The paddings are covered with 10 cm thick, washable material. Backboard of safety glass, 12 mm thick, with padded bottom edge. Movable ring, with reinforced cotton net. The system can be used for mini-basketball games. It contains rear plates for anchoring to the floor.

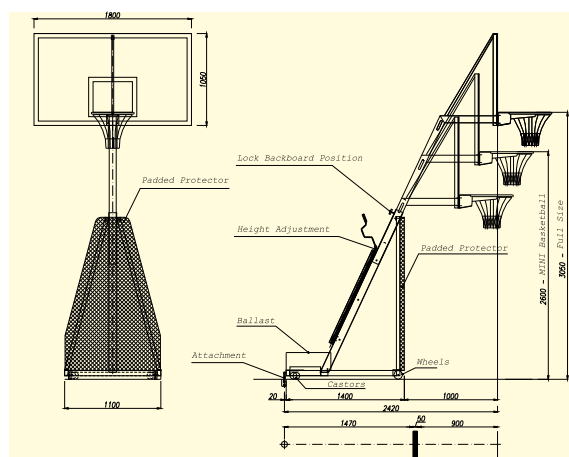


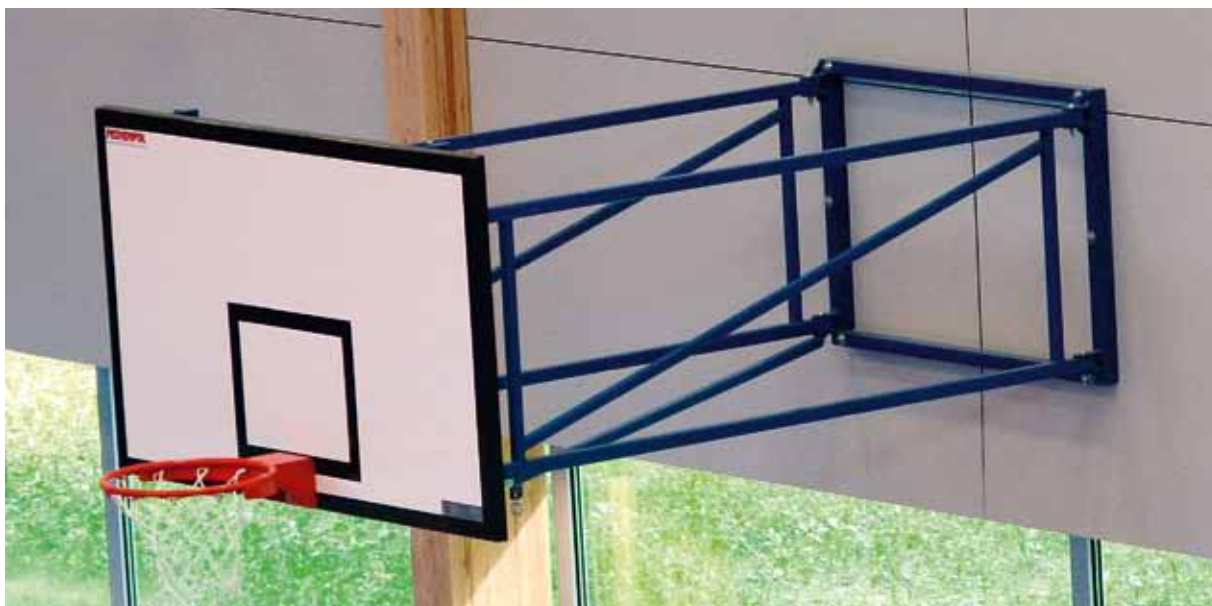


Art. nr 1-65

Basketball backstops, MINI

Designated use: this basketball structure can be used as a side training basketball unit installed at sports halls where mounting of such units to walls or beams is difficult to perform (e.g. in case of a seating area). The arm with the backboard (L=100 cm) is manually lifted and lowered with the use of a screw mechanism. It is possible to set the backboard with the ring at the height of 2.60 cm (mini basketball structure). To ensure safety use of the structure it is equipped with a ballast and, additionally, the whole structure is fixed to the floor of a sports hall with the use of a masked fixture. The structure is certified for compliance with a relevant standard.

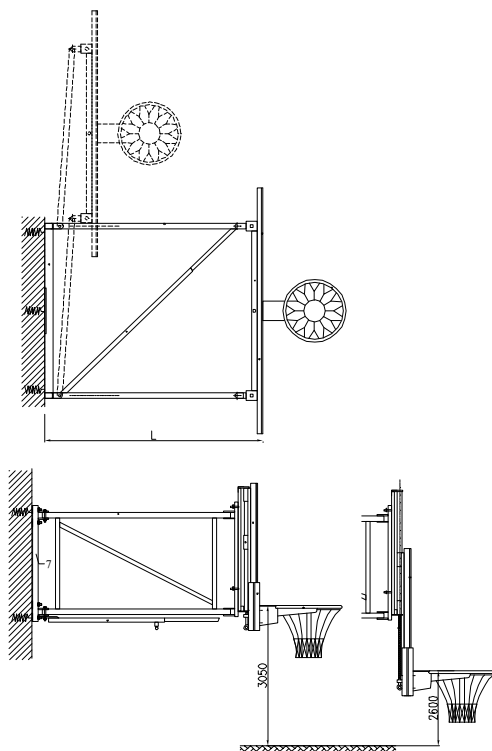




Art. nr 1-22

Tilting basketball structure

Retract the lock manually, using the special handle provided, and the backboard can then be folded horizontally against the wall. Made from closed steel profiles painted with powder coating; secured to the supporting structure of the facility. The materials used in its construction not only guarantee that the structure is safe and comfortable to use, but also ensure the stability of the backboard and ring mounted to it. Designed for mounting all kinds of backboards, with a distance of 220 cm max. from the backboard front to the wall. An alternative version, with a section of the structure mounted permanently and a folding section, is also available.



Art. nr 1-21

Stationary basketball structure

Constructed from closed steel profiles painted with powder coating; secured to the supporting structure of the facility. The materials used in its construction not only guarantee that the structure is safe and comfortable to use, but also ensure the stability of the backboard and ring mounted to it. Designed for mounting all kinds of backboards, with a distance of 120 cm max. from the backboard front to the wall. Manufactured in two versions, with either a universal wall-mounting or post-mounting bracket.

All the mounting structures designated for basketball units are certified for compliance with the standards of **COBRABID BBC Office for Testing and Certification in Warsaw**.



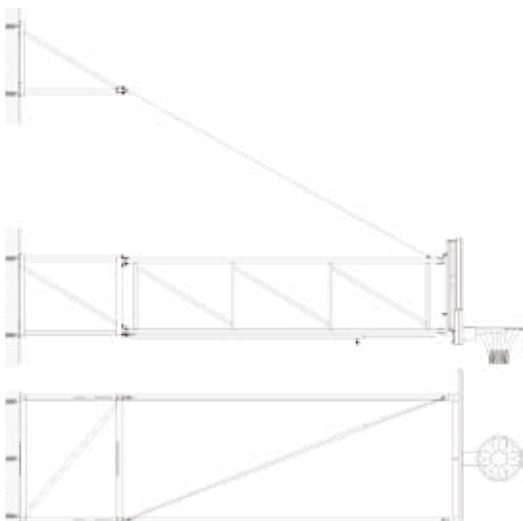


Art. nr 1-23

Tilting basketball structure with pull-back cords

Retract the lock manually, using the special handle provided, and the backboard can then be folded horizontally against the wall. Made from closed steel profiles painted with powder coating; secured to the supporting structure of the facility. The materials used in its construction not only guarantee that the structure is safe and comfortable to use, but also ensure the stability of the backboard and ring mounted to it.

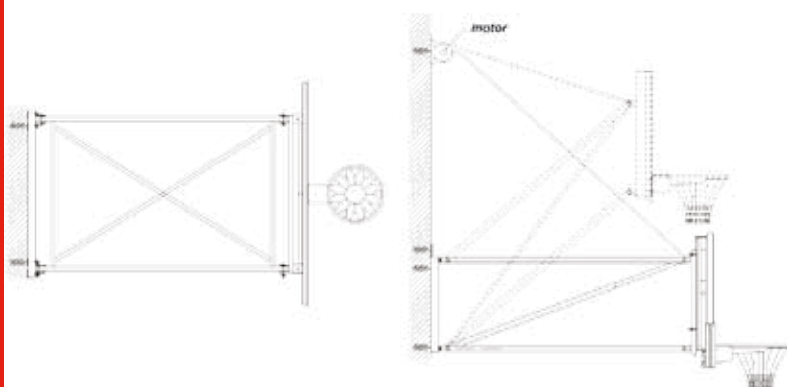
Designed for mounting all kinds of backboards with a distance exceeding 220 cm from the front of the backboard to the wall (maximum reach of 550 cm - halls for lengths of 36,5 m). An alternative version, with section of the structure mounted permanently and folding section, is also available.



Wall-mounted construction with pull-back ropes; reach of the arm: up to 5500 mm.

IMPORTANT:

Permanent part of the basketball structure is installed when an obstacle exists making it impossible for the whole structure to be folded (e.g. ball backstops).



Art. nr 1-24

Vertically lifted basketball structure with electric drive

Allows for the backboard to be folded vertically and upwards against the wall. The lifting of the structure is driven by an electric motor with a 220 V, P=410 W voltage. Made from closed steel profiles painted with powder coating; secured to the supporting structure of the facility. The materials used in its construction not only guarantee that the structure is safe and comfortable to use, but also ensure the stability of the backboard and ring mounted to it. Additional pull-back cords for stability.

Designed for mounting all kinds of backboards. The structure's maximum reach 550 cm. We can also manufacture to order, producing structures adapted to the architectural conditions of any facility.





Art. nr 1-02

Tilting basketball ring with gas shock absorbers

Constructed in compliance with international regulations. Painted with powder coating (colour complying with regulations). Provided with additional reinforcements for improved stability. The closed tilting mechanism features gas shock absorbers for full safety. A modern technical solution means the ring returns to its original position immediately and without vibrations.

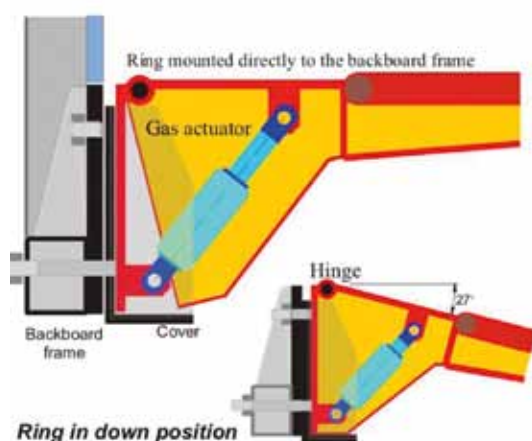
Nets available for rings:

Art. nr 1-51: tournament net, 5mm cord

Art. nr 1-52: 8-clamp galvanised chain net

Art. nr 1-53: 12-clamp galvanised chain net

Attachment system of basketball ring to the frame



All basketball rings and nets are certified for compliance with the standards of **COBRABID BBC Office for Testing and Certification in Warsaw**



Art. nr 1-01

1. Standard ring



Art. nr 1-03, 1-03-1

2. Hot-dip galvanized basket rings.



Art. nr 1-04

3. Reinforced steel ring.



Art. nr 1-05

4. Popular steel ring.



Art. nr 1-11, 1-12, 1-14

Acrylic glass basketball backboard

Made of acrylic glass, appropriately mounted to the metal frame of the backboard. The ring is fastened to the backboard structure by a method which prevents the transfer of loads impacting the ring onto the board.

Art. nr 1-11: Backboard with dimensions 105x180 cm, 15 mm thick board

Art. nr 1-12: Backboard with dimensions 105x180 cm, 10 mm thick board

Art. nr 1-14: Backboard with dimensions 90x120 cm, 15 mm thick board

Art. nr 1-31: Shield of the lower edge of the backboard with the dimensions of 105 x 180 cm.

Art. nr 1-33: Shield of the lower edge of the backboard with the dimensions of 90 x 120 cm.



All basketball backboards and shields are certified for compliance with the standards of **COBRABID BBC Office for Testing and Certification in Warsaw**.



Art. nr 1-13, 1-15

Epoxy basketball backboard

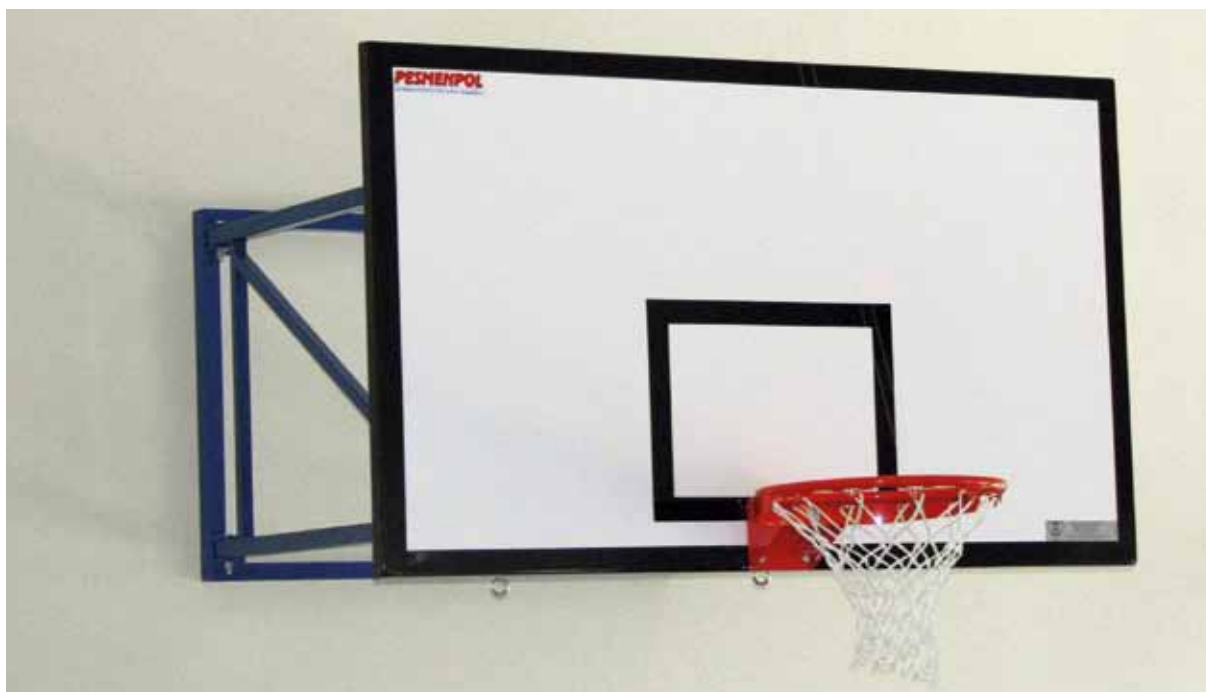
Made from epoxy board (glass fibre), appropriately mounted to the metal frame of the backboard. Complies with the FIBA standard.

Art. nr 1-13: Backboard with dimensions 105x180 cm

Art. nr 1-15: Backboard with dimensions 90 x 120 cm



The height adjustment mechanisms are certified for compliance with the standards of **COBRABID BBC Office for Testing and Certification in Warsaw**.



Art. nr 1-41, 1-42

Backboard height adjustment mechanism

The design of the mechanism allows for a quick adjustment of the height of the backboard together with the backboard ring relative to the floor surface within the range from 260 cm to 305 cm. The height can be adjusted through manual rotating of a height adjustment wheel of the feed screw handle. It is designated for all types of backboards mounting structures.

Art. nr 1-41: Backboard(105/180 cm) height adjustment mechanism, adjustable from 305 to 260 cm

Art. nr 1-42: m42 Backboard (90/120 cm) height adjustment mechanism, adjustable from 305 to 260 cm



BASKETBALL

– EXAMPLES OF ATTACHEMENTS



On individual demand of a client our company can customize our basketball structures to architectural



conditions of a sports facility. This page presents examples of various technical solutions.



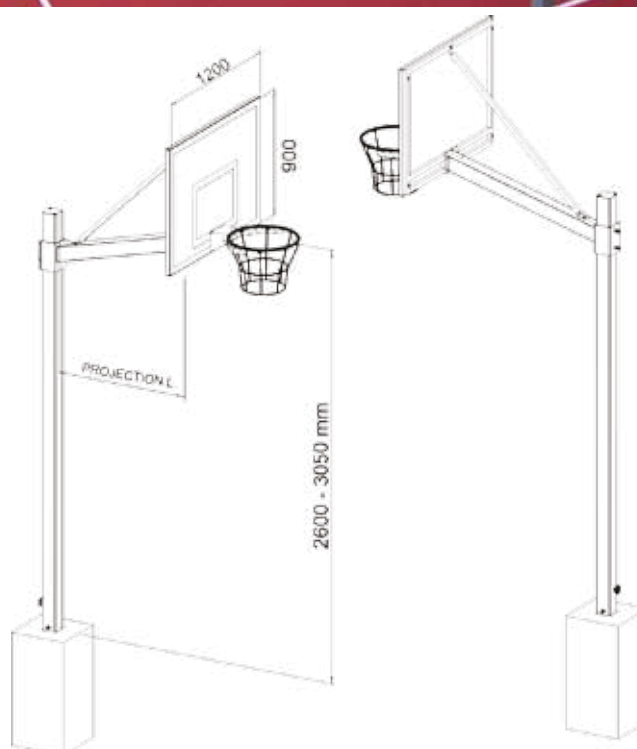
OUTDOOR FIELDS



Art. nr 1-26

Single-post basketball structure

Designed for 90 x 120 cm backboards. Hot-dip galvanisation protects the entire structure against weather conditions. Adjustable basket height. Reach of the arm: 1.2 m; 1.4 m; 1.6 m. Available in the two versions: secured permanently to the ground and removable (featuring a post is mounted in a steel socket seated in the ground, allowing the structure to be dismounted if necessary). Socket-mounted structures are also provided with locks.



Art. nr 1-27

MINI StreetBall - portable basketball unit

Designed for use on outdoor or indoor training grounds. Requires ballast. Equipped with a 900x770 mm epoxy board, a popular ring and a cord net.



Art. nr 1-28

Art. nr 1-35

Double-post basketball structure

It is designed for 90x120 cm backboards. The entire structure is hot-dip galvanized which protects it against adverse weather conditions. The design of the basketball structure allows to make adjustments of backboard height. Reach of the arm: 1.2 m; 1.4 m; 1.6 m and 2.2 m. Available in two versions: secured permanently to the ground and removable (a post is mounted in a steel socket seated in the ground, allowing the structure to be dismantled if necessary). Socket-mounted structures are additionally provided with locks.



Basketball column shield

h=200 cm (PU polyurethane foam, synthetic leather).





Art. nr 1-83, 1-84

Epoxy basketball backboard

Made from epoxy board fastened appropriately to the metal frame of the backboard. Hot-dip galvanisation protects the frame against corrosion. Available in two versions: for mounting on a single-post structure (90x120 cm) and on a double-post structure (105x180 cm) on outdoor sports grounds.

Art. nr 1-84: Backboard with dimensions 105x180 cm

Art. nr 1-83: Backboard with dimensions 90 x 120 cm

Art. nr 1-81, 1-82

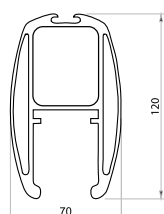
Steel basketball backboard with lattice frame

Made entirely from steel, with a grid inside the steel framework. Hot-dip galvanisation protects the entire structure against corrosion. Available in two versions: for mounting on a single-post structure (90 x 120 cm) and on a double-post structure (105 x 180 cm) on outdoor sports grounds.

Art. nr 1-81: Backboard with dimensions 105 x 180 cm

Art. nr 1-82: Backboard with dimensions 90 x 120 cm





Art. nr 2-30



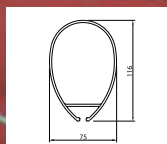
Volleyball posts with the inside tension, aluminium

Professional aluminum posts made from a special aluminum profile with the construction guaranteeing the high stiffness and the resistance to bending. The entire tensioning device is installed inside the aluminum profile. The structure of posts enables to position the net at any desired height within the range from 106 - 250 cm which allows the post structure to be used universally for playing tennis and badminton. Innovative solutions of the tensioning mechanism have been applied when designing the posts. Height adjustment of the net is very comfortable as the setting of the tension and blocking the position of the net are operated with the use of one handle. Blocking the height of the tension (nets) is performed with the use of an eccentric clamp with teflon-coated filler. Folded tension wheel has been integrated with a post and after the net is tensioned the wheel is straightened out and hidden inside the

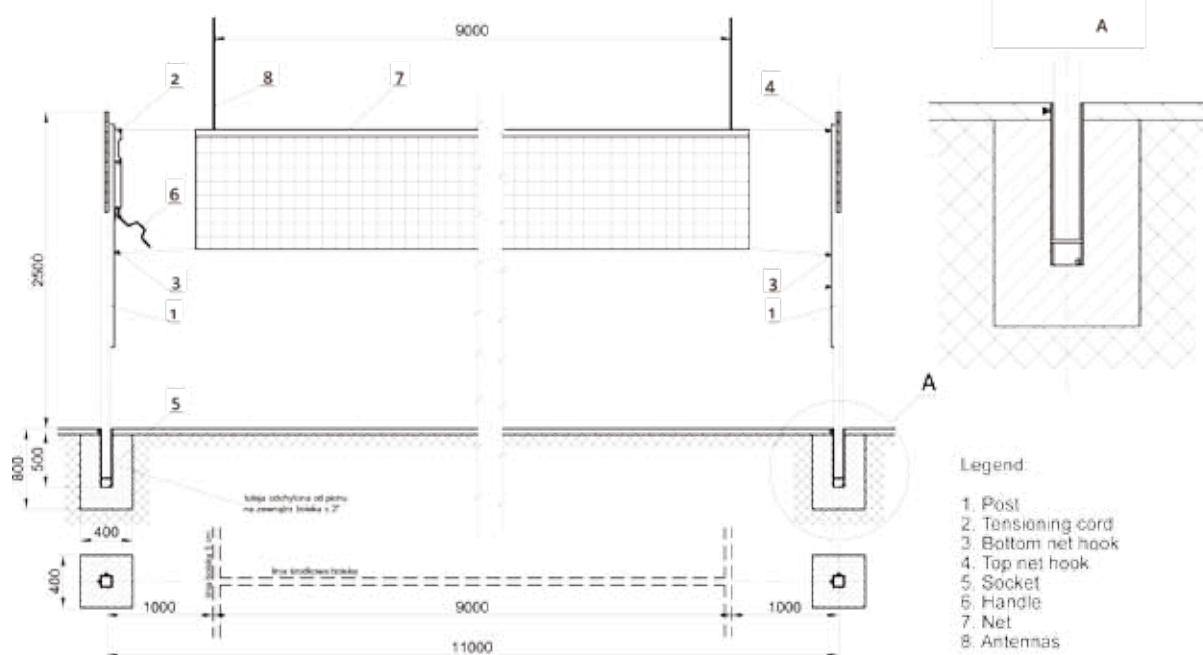
main profile. Posts are adjusted to six-spot attachment sides of the net. End of the net tensioning cord is connected to the led-out section of the cord with the use of a push-in fitting which makes attachment of the net to the posts very comfortable.

The post structures can be used double-sidedly through the use of an additional slat with handles (a set of double-post structure must be ordered separately). The posts comply with the requirements of the PN-EN 1971:2006 norm and met the regulations of PZPS and FIVB. A complete set is designated to be installed on main pitch and inside sports and entertainment arenas. It is possible for the posts to be also installed at sports halls with the width exceeding 12 m and on training pitches (halls with the length exceeding 24 m). The construction of the posts also allows for them to be used on outdoor playing fields.

All the posts are certified for compliance with the standards of **COBRABID BBC Office for Testing and Certification in Warsaw.**



Manufactured using a special 80 x 80 mm aluminium profile, mounted in sockets seated in the playing court (for beach volleyball, mounted in sockets with square-sawn timber pieces to be buried in the sand). Pulling them back from the ground. The net tensioning screw is guarded with an aluminium profile. The complete set of posts includes an external tensioning device, using a guarded trapezoidal screw and an arresting hook, and arresting hooks mounted on the opposite post (slidable). This solution allows the net to be hung at any height and angle (the entire unit can be used universally for volleyball, tennis or badminton). Hot-dip galvanisation renders the entire post structure corrosion-proof





Art. nr 2-20, 2-46

Volleyball umpire's stand

Designed for volleyball and beach volleyball, this umpire's stand is manufactured using light-wall steel tubes, painted with powder coating. Provided with a mechanical platform height adjustment system and transport wheels. Complies with FIVB requirements.



Art. nr 2-20-1

Volleyball umpire's stand shields



Art. nr 2-11, 2-35

Volleyball guard pads

Manufactured from sponge and guarded with leatherette; the entire structure is mounted on a PVC tube. Guard pads improve post safety during use. Height: 200 cm.

Art. nr. 2-35 Professional posts guard pads

Art. nr. 2-11 Tournament posts guard pads



All umpire's stands and umpire's stand shields are certified for compliance with the standards of **COBRABID BBC Office for Testing and Certification in Warsaw.**

Art. nr 2-03**Set of wall-mounted steel rails with tensioning mechanism**

Mounted to opposite walls, the rails serve as guides for the tensioning device and arresting hooks. The net height can be freely altered between 50 – 250 cm from the ground. This solution allows the net to be hung at any height and angle (the entire unit can be used universally for volleyball, tennis or badminton).



Wall-mounted steel rails with tensioning mechanism are certified for compliance with the standards of **COBRABID BBC Office for Testing and Certification in Warsaw**.

Art. nr 2-05**Volleyball middle post, aluminium**

Volleyball middle post, aluminium, with inside tension, PN-EN Certificate of Conformity.

**Art. nr 2-06****Net hanger**

Practical solution for easy storage and fast unrolling/rolling of the net. Can be used for volleyball, tennis and badminton

**Volleyball nets**

Art. nr 2-07 Tournament net with antennas and tape stitched on to four sides

Art. nr 2-08 Black net with antenna, reinforced with tape

Art. nr 2-09 Training net

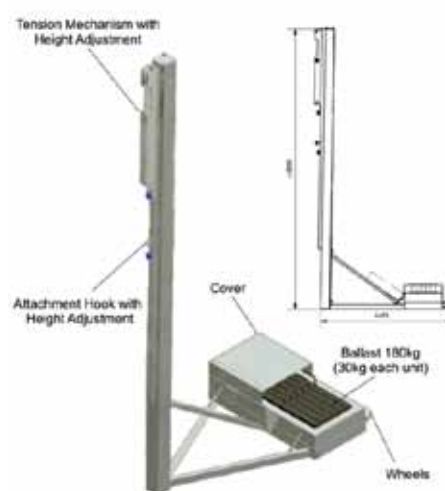
Art. nr 2-21 Professional net, weave thickness: 3 mm, Kevlar cord, side reinforcement, fastened at 6 points

Art. nr 2-22 Tournament net, weave thickness: 3 mm, steel cord, side reinforcement, fastened at 4 points

**Art. nr 2-80****Volleyball posts carrier, movable**

Suitable for 3 pairs of posts.

Art. nr 2 - 70**Net height measurer**



Art. nr 2-32

Volleyball posts, movable

Zinc-coated or painted multifunctional volleyball steel posts with variable height adjustment mechanism, case load of 180 kg, stand alone structure.

29-31



Art. nr 2-01

Aluminium volleyball posts, multifunctional, beach volleyball

Aluminum volleyball posts are made from a special aluminum profile, mounted in sockets seated in the ground. The structure does not require pull-back ropes to be installed in the ground for supporting the structure. Net tensioning screw is shielded by the aluminum profile.

The following elements come complete with the set:

- External tensioning device with the application of guarded trapezoidal screw and an arresting hook,
- Arresting hooks mounted on the opposite post (movable)

The above technical solution allows to position the net at any desired height and at any angle (universal intended use of the volleyball structure allows it to be applied to playing tennis, badminton)



beach volleyball



Art. nr 2-04

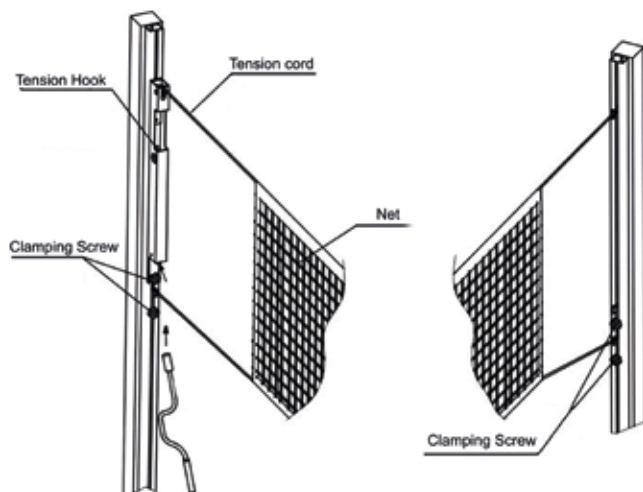
Steel volleyball posts, multifunctional, beach volleyball

Steel volleyball posts manufactured from special aluminum profile with the dimensions of 80 x 80 mm are mounted in sockets seated in the playing court. The volleyball structure does not require pull-back ropes to be installed for supporting the structure.

The complete set of posts includes the following elements:

- External tensioning device with the application of guarded trapezoidal screw and an arresting hook,
- Arresting hooks mounted on the opposite post (movable)

The above technical solution allows to position the net at any desired height and at any angle (universal application of the volleyball structure for playing tennis, badminton). The set is designated to be installed on outdoor sports grounds. Hot-dip galvanization guarantees that the entire post structure is corrosion-proof.





Art. nr 2-46

Beach volleyball umpire's stand



Art. nr 2-11

Beach volleyball guard pads

Manufactured from sponge and guarded with leatherette; the entire structure is mounted on a PVC tube. Guard pads improve post safety during use. Height: 200 cm



Art. nr 2-58

Beach volleyball nets

Art. nr 2-73 Black net with colour tape, on cords

Art. nr 2-74 Tournament beach volleyball net, black with yellow tape. Dimensions court: 8 x 16 m

Art. nr 2-57 Training beach volleyball net, black with yellow tape. Dimensions court: 9 x 18 m

Art. nr 2-58 Tournament beach volleyball net, black whit yellow tape. Dimensions court: 9 x 18 m



Art. nr 2-59

Beach volleyball court boundary lines, with pins



32-33

tennis and badminton



Art. nr 4-01

Professional tennis posts

Manufactured using a special aluminium profile, mounted in sockets seated in the hall or court ground. Equipped with an internal tensioning device, using a guarded trapezoidal screw and an arresting wheel. Arresting hooks on the opposite post.



Art. nr 4-22

Tennis lines



Art. nr 4-04

Tennis and badminton umpire's stand

Manufactured from closed steel profiles, painted with powder coating. Equipped with a plastic seat, with backrest. Foldable stand for easy storage

Art. nr 4-20

Supports for singles matches



Tennis nets

Art. nr 4-07 Professional net, with apron

Art. nr 4-08 Black net, cord weave thickness 2 mm

Art. nr 4-09 White net, cord weave thickness 2 mm

Art. nr 4-05 The Merlin Huck net, cord thickness 3.5 mm

Art. nr 4-06 The Excalibur Huck net, cord thickness 2.5 mm



Art. nr 10-1

Socket-mounted badminton posts

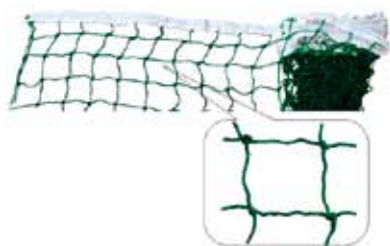
Manufactured from a hot-dip galvanised, 40x40 mm steel profile. Mounted in sockets seated in the hall or court ground. The unit includes mounting sockets.



Art. nr 10 - 05

Movable badminton stands with weight

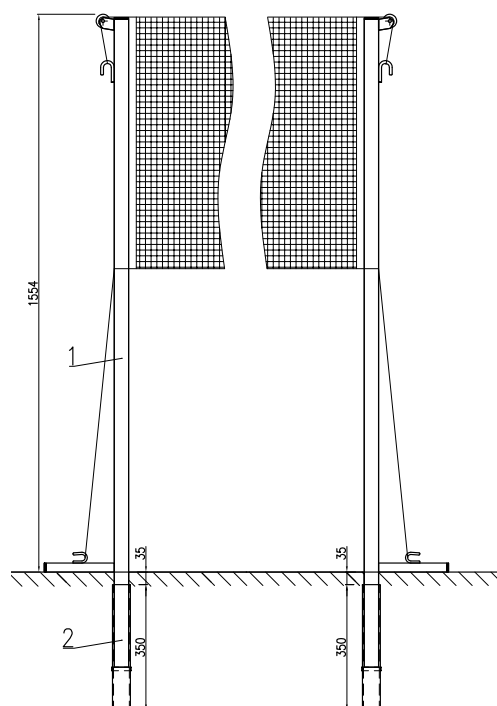
The hot-dip galvanised steel posts can be placed anywhere. The height of the post is adjusted by means of an unscrewed cap. Equipped with transport wheels and balance weights of approx. 30 kg.



Art. nr 10 - 02 Art. nr 10 - 03

Badminton nets

Art. nr 10-02 white popular net
Art. nr 10-03 green or black popular net



Tennis posts and tennis umpire' stands are certified for compliance with the standards of **COBRABID BBC Office for Testing and Certification in Warsaw.**

34-36

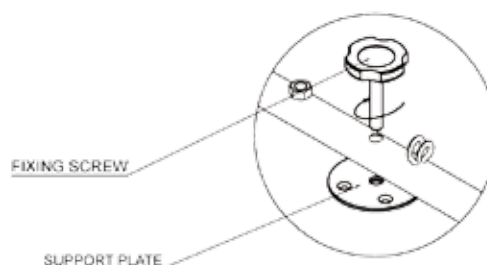
Art. nr 3-01, 3-02

Professional handball goals

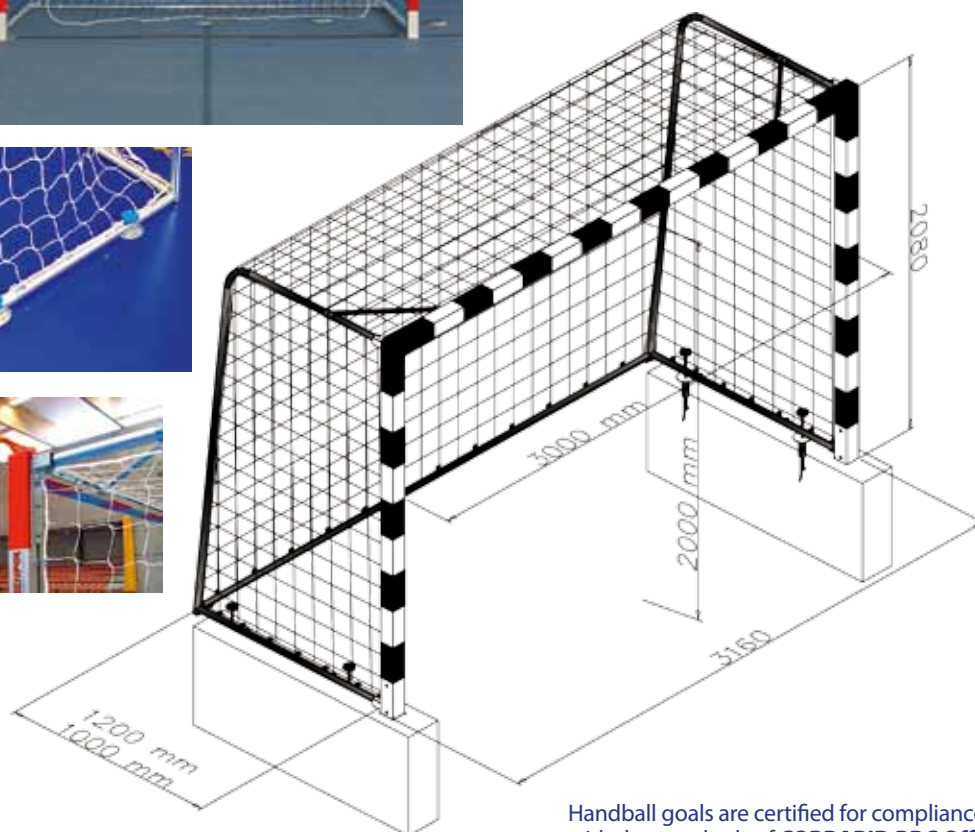
Constructed and marked in accordance with the IHF standard. The all-in-one frame construction (goal corners are permanently welded) means that our goals are extremely durable and rigid. Metal net fastening hooks. All the elements, apart from the main frame, are galvanised. The foldable arch structure allows for quick assembly, dismantling and storage. Designed for mounting in halls or on outdoor playing fields. Goals are mounted by means of plate supports/holders, pin holders or ground-embedded sockets. The main frame is manufactured from 80 x 80 mm aluminium or steel profile.

Art. nr 3-01: professional aluminium goals

Art. nr 3-02: professional steel goals



Construction mounted with plate supports.



Handball goals are certified for compliance with the standards of **COBRABID BBC Office for Testing and Certification in Warsaw.**

handball



Art. nr 3-01-2, 3-02-2

Professional wall-mounted handball goals

Constructed and marked in accordance with the IHF standard. The all-in-one frame construction (goal corners are permanently welded) means that our goals are extremely durable and rigid. Metal net fastening hooks. All the elements, apart from the main frame, are galvanised. The goal frame is fastened to the wall by means of steel brackets. The goals can be used in gymnasiums where the end line of the handball court is less than 50 cm away from the wall. The main frame is manufactured from 80 x 80 mm aluminium or steel profile.

Art. nr 3-01-2: professional aluminium goals

Art. nr 3-02-2: professional steel goals



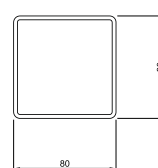


Art. nr 3-30

Handball golas, steel, reinforced

Net fastening hooks are made from steel. All goal elements are hot-dip galvanized. Goals are fastened to the floor through tightening fastening screws in the lower part of the arch to the clamps mounted permanently in the floor (four fastening points per one goal). Main frame is made from 80 x 80 mm steel profile with the dimensions, in the face of the goal, 200 x 300 cm. Arches are made from a steel and hot-dip galvanized thick pipe.

Goal depth: 100 cm in the lower part and 80 cm in the upper part of the goal (on individual demand of a client the depth of the goal in the lower part can be 100 cm and in the upper part 120 cm). In case of outdoor playing fields we recommend that the goal fastening should be performed with the use of fastening sockets with adapters.





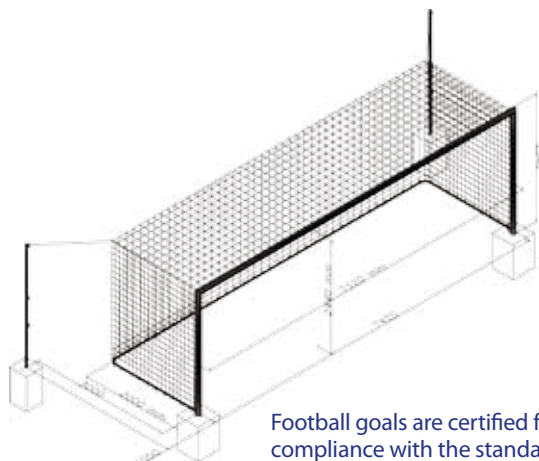
Art. nr 9-01, 9-01-1

Professional aluminium football goals 7.32x2.44 m

Manufactured from special 120/100 mm oval aluminium profile, painted white using powder coating. The complete unit contains the main frame of the goal, socket-mounted net tensioning posts, and an upward-folded bottom frame for fastening the bottom edge of the net. Goal dimensions: 7.32 x 2.44 m. Assembly method: the goal posts are inserted into sockets and permanently seated in the ground. The structure and assembly method mean that the goals can quickly be dismantled. Depth: 3 m or 2 m



Professional football goal, 7,32 x 2,44 m



Football goals are certified for compliance with the standards of **COBRABID BBC Office for Testing and Certification in Warsaw.**



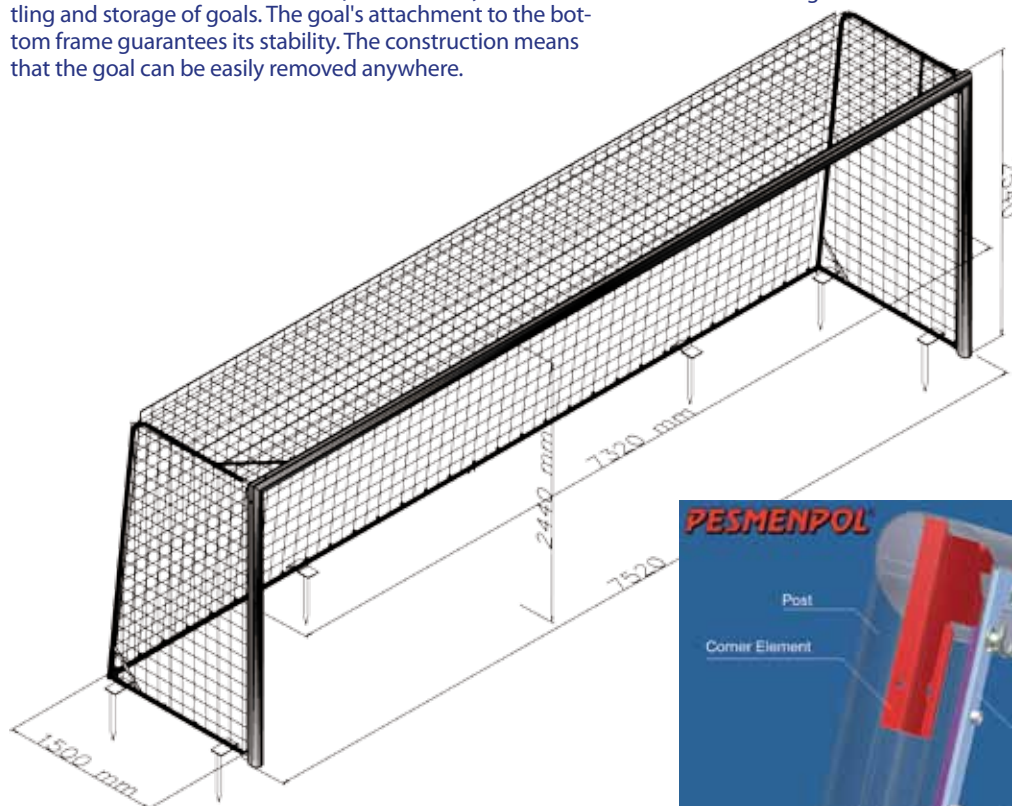


Art. nr 9-02

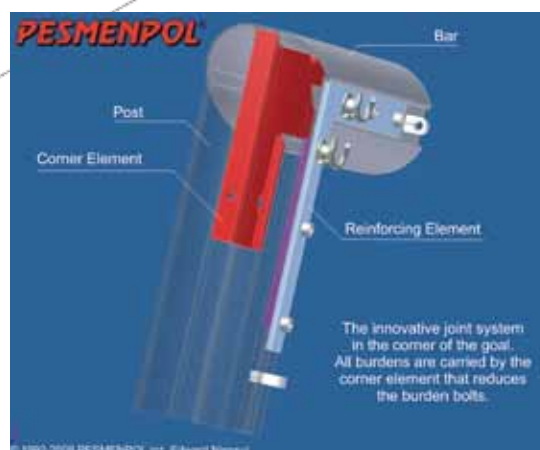
Aluminium football training goals 7.32 x 2.44 m

Manufactured from 120/100 mm oval aluminium profile. The foldable arch structure allows for quick assembly, dismantling and storage of goals. The goal's attachment to the bottom frame guarantees its stability. The construction means that the goal can be easily removed anywhere.

Secured to the ground by fastening to the holder mounted permanently in the ground with fixing screws sited in the bottom of the arch, or by means of pin holders attached to the surface of the ground.



**Aluminium football training goal,
7,32x2,44 m**





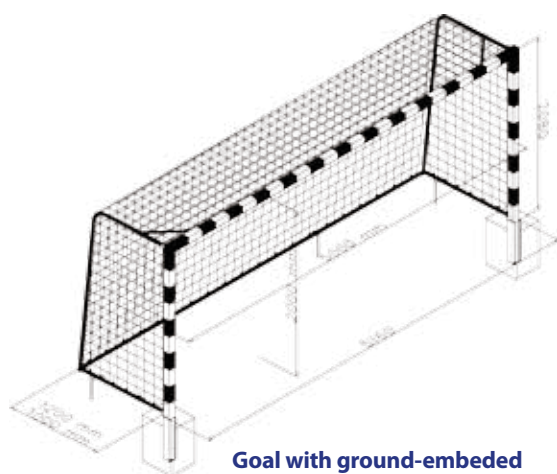
Art. nr 9-03, 9-04

Football goals for youth games 5x2 m – square profile

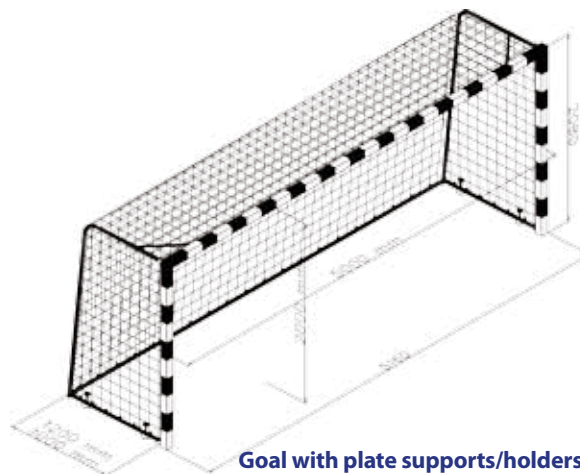
Manufactured from 80 x 80 mm square aluminium or steel profile; marked with black tape. The goals are mounted using plate supports/holders, pin holders or ground-embedded sockets. The design means that the goals can be folded together with the net. All metal parts, apart from the main frame, are made of steel and electro-galvanised. The all-in-one construction of the main frame (welded corners) guarantees the long-term durability of our goals.

Art. nr 9-03 alluminium goals

Art. nr 9-04 steel goals



Goal with ground-embedded sockets



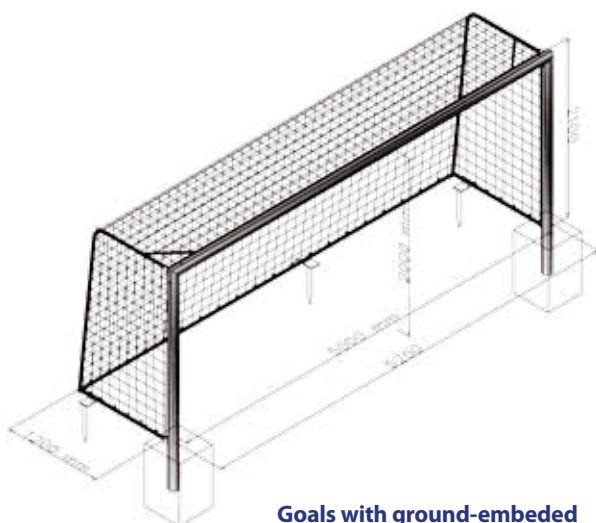
Goal with plate supports/holders



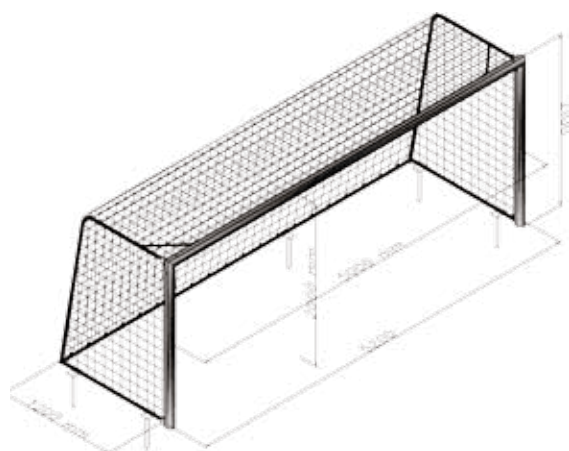
Art. nr 9-05, 9-06

Football goals for youth games 5x2 m – oval profile

Manufactured from 120/100 mm anodised oval aluminium profile. The goals are mounted using plate supports/holders, pin holders or ground-embedded sockets. The design means that the goals can be folded together with the net. All metal parts, apart from the main frame, are made of steel and electro-galvanised.



Goals with ground-embedded sockets



Goals with pin holders

Special football goal socket with integrated lid installed inside a goal is manufactured on individual demand of a client.



Masking element, integrated with socket



Socket ready for installation.



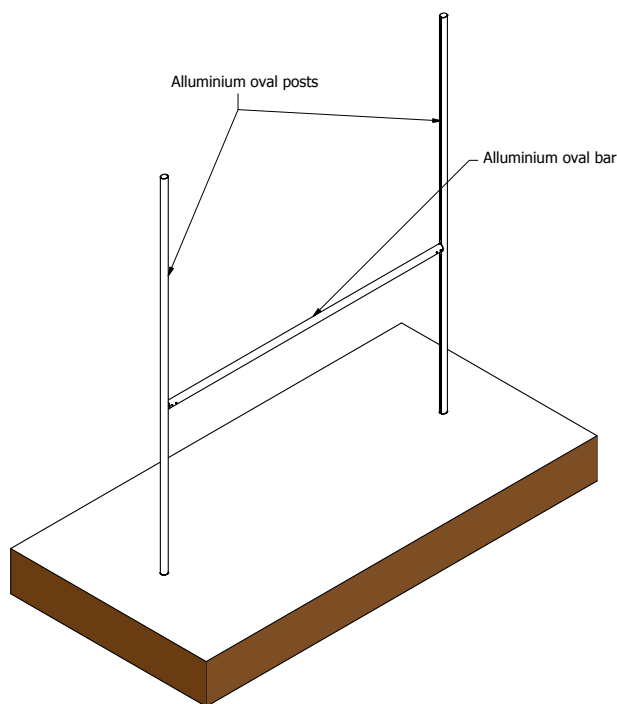
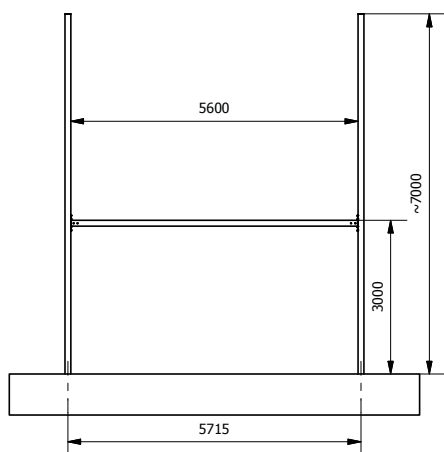
Socket after being removed from the goal and masked.



Art. nr 3-51

Hook for attaching net

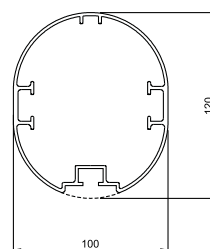
Plastic hook, attaching net to an alluminium profile 80 x 80 mm and 120 x 100 mm.



Art. nr 9-31

Goals for rugby

- made from special aluminum oval profile 120/100,
- width of the goal in the face: 560 cm,
- height of the goal from the surface of the ground: 700 cm,
- crossbar hung on the height of 300 cm,
- goal colour: white
- goals seated in aluminum sockets; easy for dismantling,
- Compliance with IRB norm and the International Rugby Board regulations.





Art. nr 9-31

Emulsion paint line marking trolley

Non-adjustable painting width, fixed at 10 cm. Large wheels facilitate movement over the ground. The 12 l. capacity container is equipped with a plastic pump. The maximum container pressure achievable is 3 bars.



Art. nr 9-30

Line chalking trolley

Equipped with three large-track wheels for easy movement over grass. Adjustable line width (5 or 10 cm). The trolley is adapted for use with chalk and lime



Art. nr 7-41

Goals transport trolleys

Set of two transport trolleys ensuring the convenient transport of goals across a sports hall floor with no risk of damage.



Art. nr 9-34

Electronic player substitution board

Art. nr 12-16

Corner flag

Made from polycarbonate, adjustable with a pin. H=150 cm.



Art. nr 9-40

Telescopic tunnel for soccer field.

Manufactured of fireproof material PCV fabric. The pantograph aluminum structure and air- filled tyres ensure easy extension and folding back of the tunnel. Wall attachment with the supplied fixing materials is required on one end of the soccer tunnel.

Dimensions:

- breadth: min. 200 cm, max. 800 cm
- height: min. 200 cm, max. 400 cm
- length: minimalnie 300 cm
- module length: 100 cm.

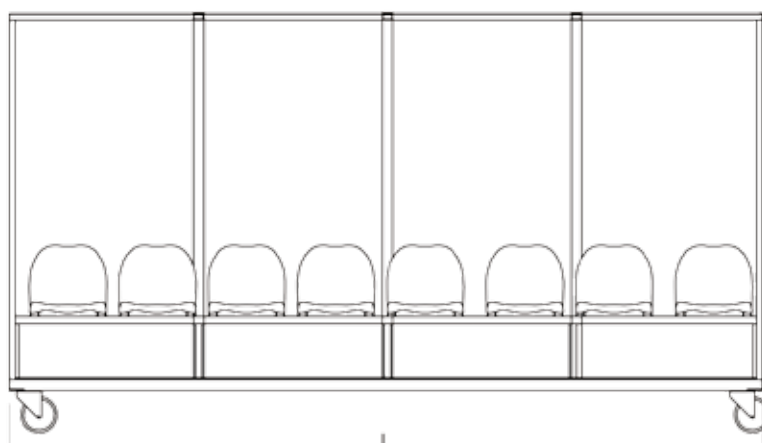
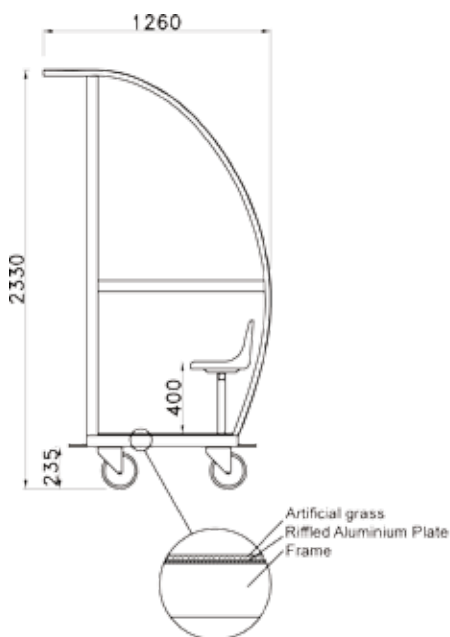
Coating: PVC, choice of colours.



Art. nr 20-08, 20 -14

Substitute player shelter

Supporting structure manufactured from hot-dip galvanised steel profiles with aluminium finish and 3 mm thick acrylic glass covering. Plastic bucket seats. Platform finished with riffled aluminium plate and artificial grass. Wheels can be mounted for easier transport and conveyance. 14 seats max. per shelter.



Lenght (m)	Seats	Catalogue No
2	3-4	20.13
3	5-6	20.12
4	7-8	20.11
5	9-10	20.10
6	11-12	20.09
7	13-14	20.08

44-49

gymnastics



Art. nr 5-01-2

Universal, free-standing 1-area horizontal gymnastic bar

Posts manufactured from steel profiles and painted with a powder coating are inserted into sockets seated permanently in the floor and tightened by manually securing the lock mechanisms. Horizontal bars, with an adjustable height, at 10 cm intervals, of 80-250 cm from the floor, are then fastened onto the mounted posts. The posts can be dismantled. The universal, free-standing, non-tension horizontal bar has one exercise area.



Art. nr 5-01

Universal, free-standing 2-area horizontal gymnastic bar

Posts manufactured from steel profiles and painted with a powder coating are inserted into sockets seated permanently in the floor and tightened by manually securing the lock mechanisms. Horizontal bars, with an adjustable height, at 10 cm intervals, of 80-250 cm from the floor, are then fastened onto the mounted posts. The posts can be dismantled. The universal, free-standing, non-tension horizontal bar has two exercise areas



Art. nr 5-35

Wall-mounted gymnastic bar – 1 field gymnastic bar

Posts manufactured from steel profiles and painted with powder coating. One post of the bar is inserted into sockets seated permanently in the floor and tightened through manually securing the lock mechanism. The other post is permanently mounted to the wall. A bar is fastened on the posts mounted in the way as indicated above with adjustable height at 10cm intervals of 80 -250 cm from the surface level. The bar is seated in a socket and is easy for dismantling. The universal and free-standing bar without any guy ropes for its supporting has one exercises area. It is possible for the bar to increase exercises areas through the installation additional posts and bars.

All bars are certified for compliance with the standards of **CO-BRABID BBC Office for Testing and Certification in Warsaw.**


Art. nr 5-02
Gymnastic ropes, rings and ladders suspension rail

Rail manufactured from steel profiles. Mounted in the roof section of the hall for suspending gymnastic ropes, rings and ladders


Art. nr 5-57
Gymnastic window ladder

Manufactured from wood, painted with transparent lacquer. Wall-mounted window ladder with three exercise areas. Ladder height: 4.5 or 5 m.



Suspension rails are certified for compliance with the standards of **COBRABID BBC Office for Testing and Certification in Warsaw.**

Gymnastic window ladders are certified for compliance with the standards.



Art. nr 5-04
Rope ladders



Art. nr 5-06
Gymnastic rings

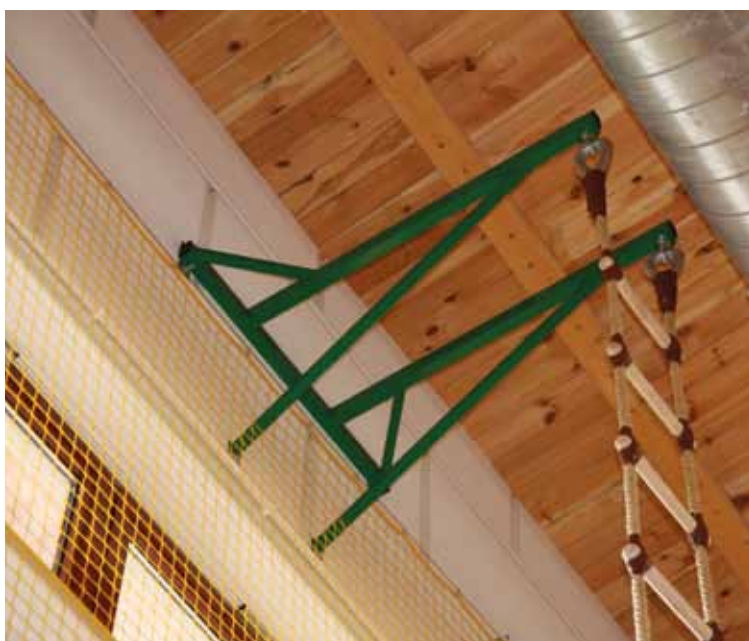
Art. nr 5-05-2
Gymnastic rings mounting bracket



Art. nr 5-03
Climbing ropes

Art. nr 5-05
Gymnastic rope mounting bracket

Art. nr 5-05-1
Rope ladder mounting bracket



Art. nr 5-78, 5-79
Wall mirror

Gymnastic ropes, rings and ladders are certified for compliance with the standards.



Art. nr 5-11, 5-14

Gymnastic ladders

Single and double wooden ladders, painted with transparent lacquer and mounted to the wall. Height: 250 or 300 cm. The sides are made using coniferous or deciduous timber, with parallel-layer plywood rungs.



Art. nr N2

Ladder pad

Bottom part of the ladder pads are manufactured of plywood. The padding is covered with synthetic leather, metal handles to be hung on the ladder. This kind of equipment is particularly suitable for breast muscle stretching in case of persons suffering from round back and the Scheuermann's disease..



Art. nr N1

Ladder overlap

The bar is manufactured from plywood. Bar sides are manufactured from wood or metal. The overlap can be mounted on the ladder at any height. Ladder overlap is used during posture correction exercises especially in combination with a pad hung on the ladder.



Art. nr 5-50

Horizontal bar installed on a gymnastic ladder

The exercise area of the bar is 30 mm in diameter and is made of parallel-layer plywood with an internal steel bar reinforcement. Movable arms allow adjustment of the bar's height and distance from the ladder. Maximum user weight: 120 kg.



Art. nr 5 - 56

Wall-mounted ladder support.



Art. nr 5-19

Bar for mounting gymnastic ladders.

Art. nr 5 - 54

Ladder mounting support intended for fastening to the bar.



Art. nr 5 - 55

Ladder mounting support intended for fastening to the floor.



Art. nr 5-15, 5-18

Gymnastic benches

The metal, or wooden, legs are provided with plastic feet for floor protection. The bench is manufactured using knotless coniferous or deciduous timber. Reinforced steel brackets connect the bench parts, ensuring its stable and safe use by stiffening the structure. All seat, beam and leg edges are rounded. The bench has a stationary or foldable catch, enabling its suspension on a gymnastic ladder, ring or box. When the bench is inverted, the 10 cm wide beam can be used as a balance beam. Height: 30 cm.

Art. nr 5-36-1

Gymnastic vaulting buck with height adjustment

The body is manufactured from glued laminated timber, with a stretch cover of natural or synthetic leather. The base is manufactured from galvanised, powder-coated steel profiles. The legs are provided with anti-slip feet, which also give floor protection. Two legs are equipped with wheels for ease of movement. The height of the vaulting buck can be adjusted, in 5 cm intervals, between 90 - 130 cm.



Art. nr 5-42, 5-43

Gymnastic vaulting buck with adjustable height

The body is manufactured from glued laminated timber, with a stretch cover of natural or synthetic leather. The base is manufactured from galvanised, powder-coated steel profiles. The height of the vaulting buck can be adjusted, in 5 cm intervals, between 110 - 170 cm. The slotted levers are manufactured from glued laminated timber. One of the bases of the vaulting buck is equipped with wheels for ease of movement.



Art. nr 5-25, 5-28

Gymnastic balance beams

Designed for exercises that are aimed at maintaining the body's motor co-ordination and equilibrium. The balance beam is available in a low, 3-metre, training version and a high, 5-metre, professional version.



Art. nr 5-58

5-section vaulting box

Vaulting box with 5 wooden sections. The top section is covered with natural or synthetic leather. Available with a trolley for transport purposes. Designed for general exercises. Trapezoid shape.



Art. nr 5-37 do 5-39

Gymnastic mattresses

Filled with polyurethane foam. The cover is manufactured from damage-proof PCV material, which is extremely resistant to wear and tear. The mattress has reinforced corners and an anti-slip coating.

Art. nr Pls1, Pls2

Medicine balls

Natural or synthetic leather.
Weight: 1-5 kg



Art. nr 5-36-1

Gymnastic springboards

Training, tournament and professional springboards with a front height of 12-21.5 cm, with a carpet-type cover..



Gymnastics equipment are certified for compliance with the standards.

**Art. nr 5-33****High jump mattress**

High jump mattress dimensions:

**300 x 200 x 40 cm,
300 x 200 x 45 cm
300 x 200 x 50 cm**

The mattress is manufactured with the use of a chamber method and material of polyurethane foam mixture with a stretch cover of high quality foil resistant to such damages as tear or wear. Bottom part of the mattress has an anti-slip coating. The mattress is equipped with handles for ease of movement.

**Art. nr 5-26-3****School high jump stand**

Complex of school high jump stands with bases for hanging and crossbars supports. The basis of the stand is manufactured from steel bars varnished with power coating filled with stabilizing ballast. Aluminum alloy-made posts are equipped with a steel support of the crossbar with a blockage system allowing for variable height adjustment of the crossbar within the range from 40 to 220 cm.

**Art. nr 5-26-6****Professional high jump stand, complying with the IAAF standard****Art. nr 5-26-1****High jump bars****Art. nr 12-04-6****Professional hurdles****Art. nr 12-100****Training hurdles**

Aluminum bended professional hurdle. The hurdle is designated for the use of school children and students. Steel basis of the hurdle (approximate weight: 4.4. kg) is manufactured from bended pipes at the angle of 90 degrees and connected with the use of a crossbar. The basis of the hurdles is equipped with deadweights which allows a safe return of the hurdle to vertical position after being tilted. Telescopic aluminum pipes with a height adjustment snap-in system. Nice-looking and wear-resistant finishing is achieved through powder coating. The product is available in red and blue colours.



Art. nr 12-21

Long jump board

Long jump board is manufactured from epoxy resin with the overlap for jumping manufactured from water-proof plywood and wooden batten with double-sided groove for modeling clay. The beam can be seated directly into the ground or in a special box.



Art. nr 12-23

Box of the beam for the long jump

Box of the beam for the long jump is manufactured from aluminum metal sheet metal. It is built-in permanently in the long jump run-up path. The upper part of the box cover can be lined with an artificial surface the same which is used for the performance of the long jump run-up path.



Art. nr 12-24

Box cover to the long jump

The box cover to the long jump is manufactured from steel and hot-dip galvanized sheet metal which closes the box after the beam is taken out. The upper part of the box cover can be lined with an artificial surface which is used for the performance of the long jump run-up path.



Art. nr 12-25

Shot put toe-board

Shot put toe-board is manufactured from epoxy resin. The dimensions of the board comply with relevant athletic regulations (1220 x 300 x 100 mm) with a notch intended for a ring with the dimensions of 6 x 20 mm with a groove on three sides with the width of 30 mm and five holes for fastening the shot put-toe board in the ground.



Art. nr 12-26

Shot put toe-board circle

Double-sided shot put toe-board circle is manufactured from aluminum alloy tee bar with the dimensions of 60 x 60 x 6 mm. Internal diameter: 2135 mm. The double-sided shot put toe-board circle complies with relevant athletic regulations. Dimensions of the equipment in a packaging: 2300 x 1150 x 130 mm.



Art. nr 12-50

Shots

Training shots with the weight of 1 – 8 kg.



Art. nr 12-27

Track markers



Art. nr 12-10

Relay race batons



Art. nr 12-71

Discuses



Art. nr 12-62

Javelins



Art. nr 12-30

Vertical jump measuring instrument



Art. nr 12-12

Cones



Art. nr 12-20

Starter clapper



Art. nr 12-14

Rubber-base slalom pole

52-58

dividing curtains and backstops



All dividing curtains are certified for compliance with the standards.

Art. nr 6-01

Manual drive curtain fastening and sliding system

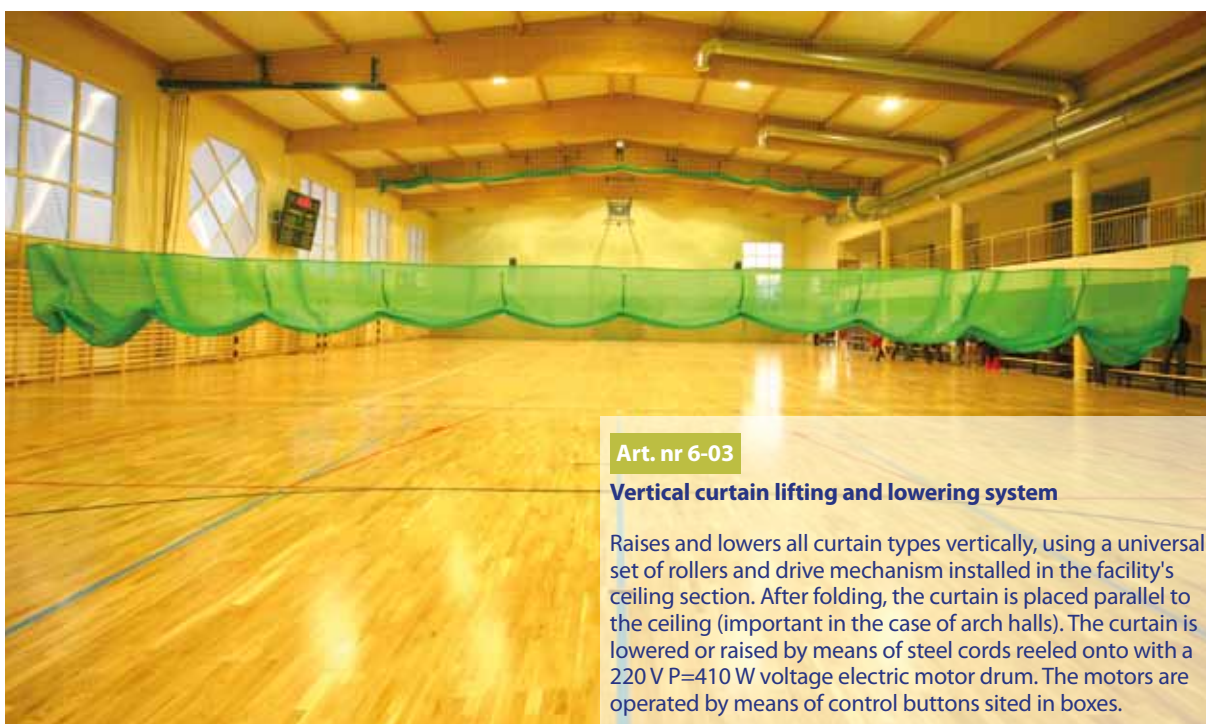
The universal construction unit, manufactured from steel profiles, is equipped with a rail and a set of sliding rolls. The curtain is drawn by manually hauling the rope attached to the end of the rail




Art. nr 6-02
Electric drive curtain fastening and sliding system

The universal construction unit, manufactured from steel profiles, is equipped with a rail and a set of sliding rolls. Curtain movement is driven by an electric motor, operated by a controller.





PROTECTIVE NETS

dividing curtains and backstops



Art. nr 6-20

Backstop bracket

Protective nets available:

50x50 mm meshes, weave thickness 2-3 mm,
choice of colours: blue, green, yellow, red, white
100x100 mm meshes, weave thickness 2-3 mm,
choice of colours: blue, green, yellow, red, white



AVAILABLE CURTAINS



CURTAIN MATERIALS:



Curtain materials available:

Full dividing curtain, opaque, with a certificate of non-flammability
Fabric + net dividing curtain, opaque to a height of 3 m, with a net upper section
Fencing net – 40x40 mm mesh



Art. nr 6-30-1, 6-30, 6-31

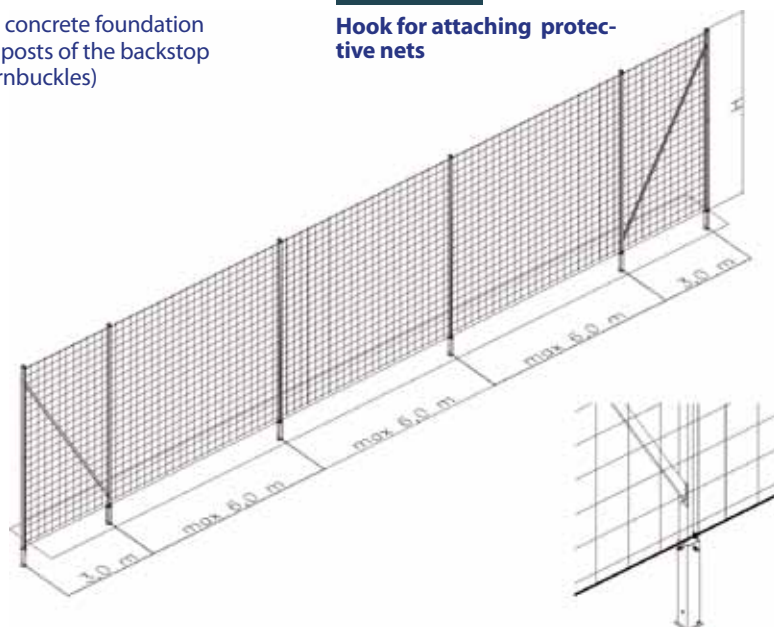
Set of protective net mounting parts for outdoor playing fields

- net fastening posts – manufactured from steel or aluminium profile with an 80 x 80 mm square cross-section, mounted in sockets; the outermost posts are spaced at a distance of 3 m, and successive posts are spaced at a maximum of every 6 m (the maximum height of the posts is 6 m; they can be painted or hot-dip galvanized)
- post mounting sockets are embedded in a concrete foundation
- connecting struts between the outermost posts of the backstop
- ropes and other assembly parts (hooks, turnbuckles)



Art. nr 6-22

Hook for attaching protective nets



Protective nets available for outdoor playing fields

- 50 x 50 mm meshes, weave thickness 2-3 mm, choice of colours
- 100 x 100 mm meshes, weave thickness 2-3 mm, choice of colours

Folding tribunes

Attributes of our system:

- Easy way to folding, even by only one person,
- Modern design, high quality of finish,
- Individual projects,
- Safe wheels with bearings,
- Choice of colors on customer wish,
- Safe floor made from anti-slip board,
- Additional stairs made from aluminum sheet,
- Not removable handrails when tribune is folding.

Technical characteristics

Spacing of seats	500 mm
Level difference between platforms	300 mm
Height of stairs	150 mm
Finish of stairs	Anti-slip aluminum sheet
Width of entrance	>120 cm
Finish of steel elements	Standard color gray RAL 9006*
Color of handrails	Standard color orange RAL 2004*
Materials platform	Anti-slip board thick 18 mm, color brown **
Maximum load	300 kG/m2.

*Powder coating on colors from RAL palette

** Different colors on customer wish

System of telescopic tribunes with folding seats

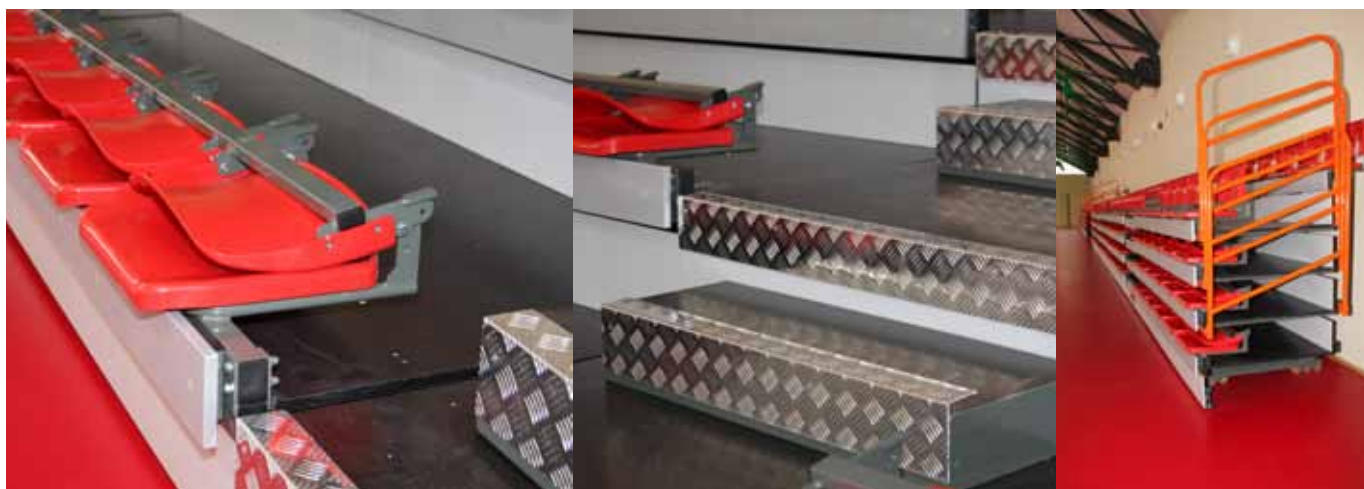
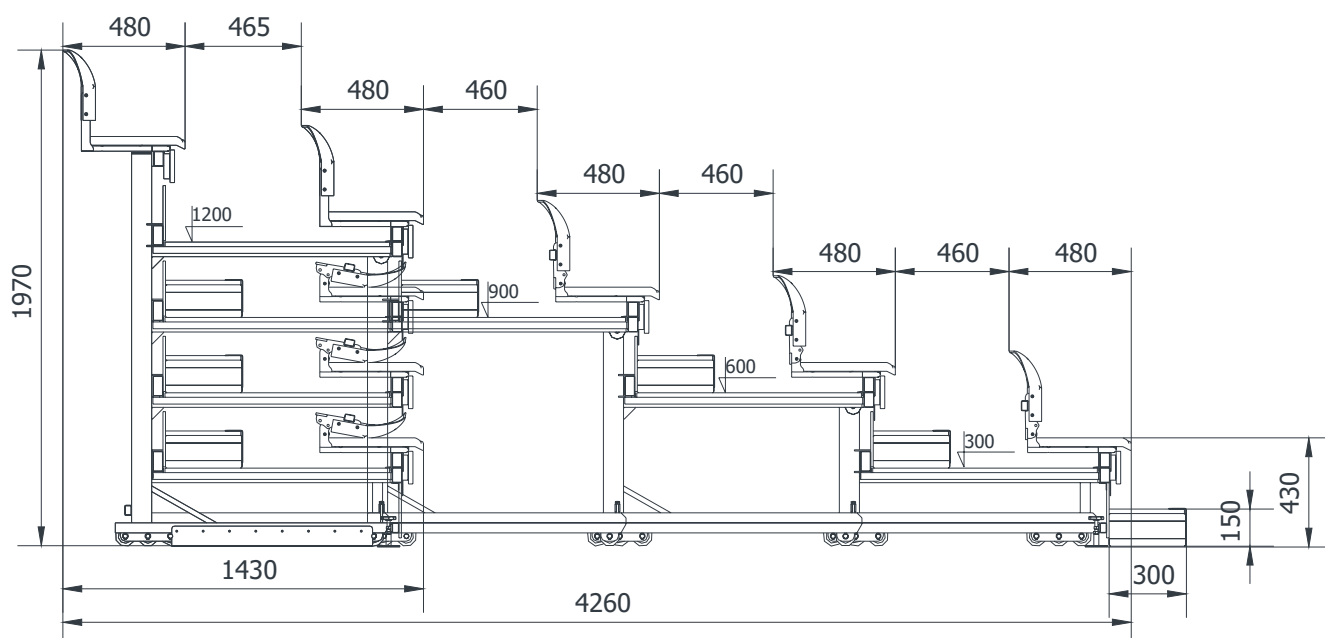


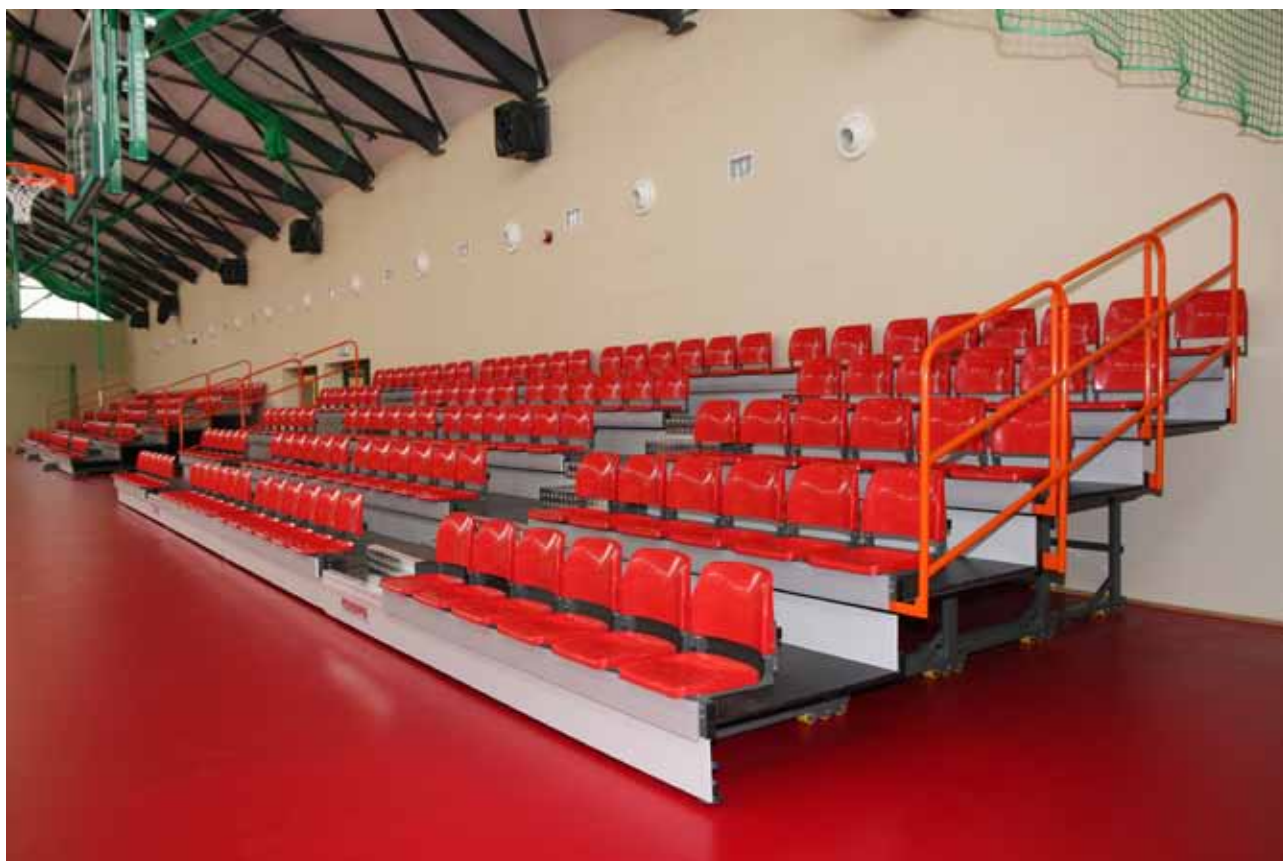
59-69

bleachers

Technical characteristics

Rows	3	4	5	6	7	8	9
Depth of tribune in open position [mm]	2380	3320	4260	5200	6140	7080	8020
Depth of tribune in close position [mm]	1430	1430	1430	1430	1430	1430	1430
Height [mm]	600	900	1200	1500	1800	2100	2400
Average number of seats on a meter	5,3	7,0	8,7	10,4	12,1	13,7	15,4
Rows	10	11	12	13	14	15	16
Depth of tribune in open position [mm]	8960	9900	10840	11780	12720	13660	14600
Depth of tribune in close position [mm]	1430	1430	1430	1430	1430	1430	1430
Height [mm]	2700	3000	3300	3600	3900	4200	4500
Average number of seats on a meter	17,1	18,8	20,5	22,2	23,8	25,5	27,2

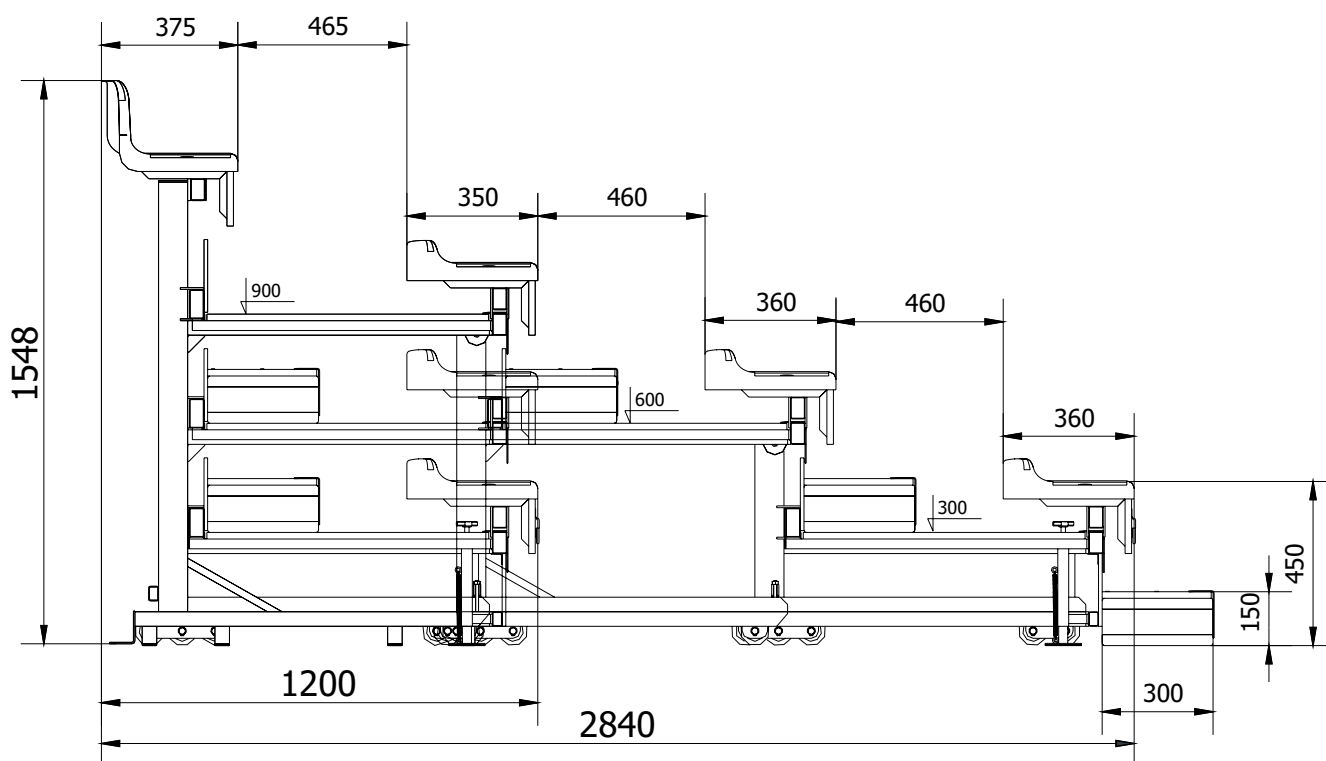




Telescopic tribunes with plastic seats

Technical characteristics

Rows	3	4	5	6	7	8	9
Depth of tribune in open position [mm]	2020	2840	3650	4480	5300	6120	6940
Depth of tribune in close position [mm]	1200	1200	1200	1200	1200	1200	1200
Height [mm]	600	900	1200	1500	1800	2100	2400
Average number of seats on a meter	5,3	7,0	8,7	10,4	12,1	13,7	15,4
Rows	10	11	12	13	14	15	16
Depth of tribune in open position [mm]	7770	8580	9400	10220	11040	11870	12680
Depth of tribune in close position [mm]	1200	1200	1200	1200	1200	1200	1200
Height [mm]	2700	3000	3300	3600	3900	4200	4500
Average number of seats on a meter	17,1	18,8	20,5	22,2	23,8	25,5	27,2

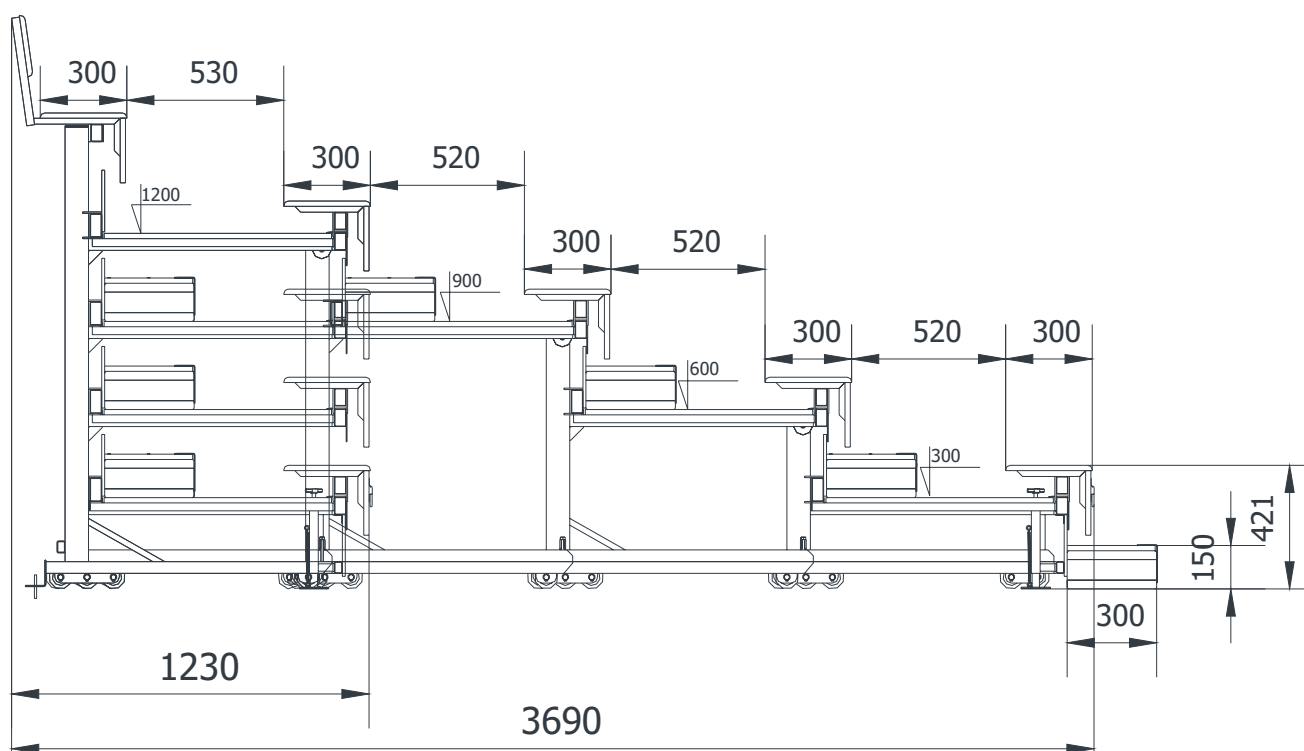


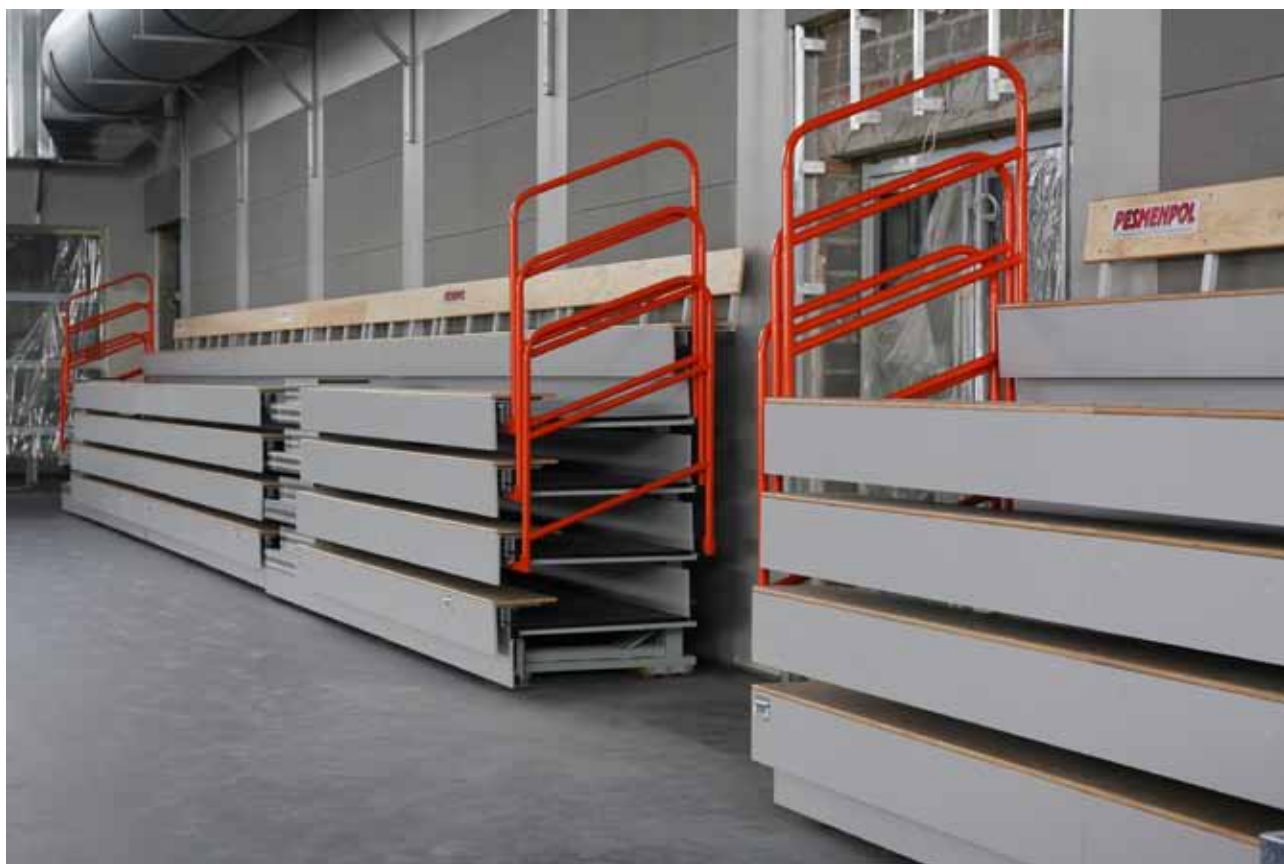


Telescopic tribunes with wooden benches

Technical characteristics

Rows	3	4	5	6	7	8	9
Depth of tribune in open position [mm]	2050	2870	3690	4510	5330	6150	6970
Depth of tribune in close position [mm]	1230	1230	1230	1230	1230	1230	1230
Height [mm]	600	900	1200	1500	1800	2100	2400
Average number of seats on a meter	5,3	7,0	8,7	10,4	12,1	13,7	15,4
Rows	10	11	12	13	14	15	16
Depth of tribune in open position [mm]	7790	8610	9430	10250	11070	11890	12710
Depth of tribune in close position [mm]	1230	1230	1230	1230	1230	1230	1230
Height [mm]	2700	3000	3300	3600	3900	4200	4500
Average number of seats on a meter	17,1	18,8	20,5	22,2	23,8	25,5	27,2





Wheels

To our tribunes we using pallet truck wheels. They are made from high tensile abrasive resistant polyurethane compounds , embedded on the bearing; giving maximum performance.

Attributes wheels:

- High load bearing capacity
- Low compression set
- Non-marking
- Oil and grease resistant
- High tensile strength
- Cut and tear resistant

We using two type of wheels:

- Polyamide rollers for synthetic floors



- PU rollers for wooden floors



Tribunes have got extra wheels to protect floor. For 10 seats falls 18 wheels.

Locking system of tribunes



Transport of tribunes

Is possible to adapt tribunes to transportation from hall to warehouse, by system of special trolleys. The transport trolleys have got set of six wheels.

We produce three versions of tribunes:

1. Folding tribunes without transporting system – mounted permanently,
2. Folding tribunes with possibilities to move one direction - this solution gives easy access behind tribune for cleaning, service inspection etc.
3. Folding tribunes with possibilities to transport - tribunes are equipped by set of two trolleys. Trolleys have got set of six rotary wheels. Lifting up tribunes by trolleys gives possibility to moving them in all directions.



Handrails

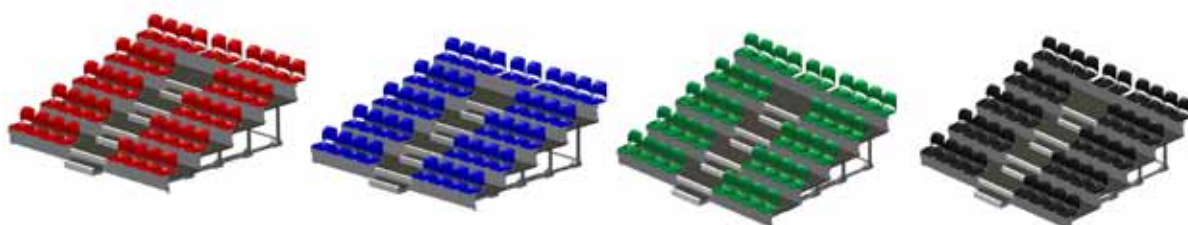
Tribune has got set of handrails on both sides and if this is necessary on in the back. When tribunes is mounted up against the wall set of back handrails is not required.

Tribunes are folding without removing handrails.

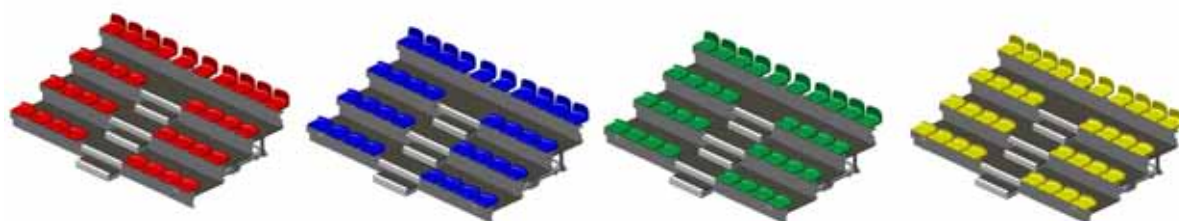


Wide range of color configuration

Color of folding seats – base colors are:
blue, navy blue, red, green, black white.

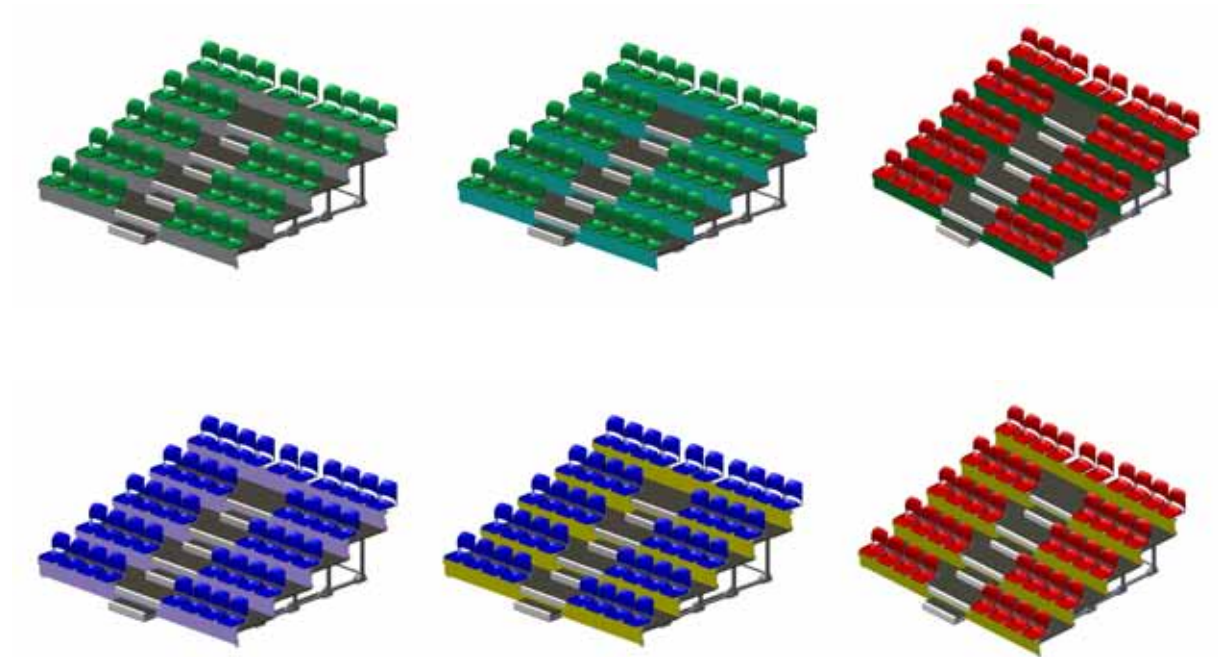


Color of plastic seats – base colors are:
blue, red, green, yellow, orange.



Color of bench – benches are painted by clear varnish
(It's possible choice different colors.)

Colors of faceplates – standard color is light gray, but it's possible choice of other colors or any pattern.



70-74

scoreboards



Art. nr ETW 130-60 PRO

Professional scoreboard

Scoreboard ETW 130-60 PRO

Dimensions: 130 x 100 x 10 cm, operated by a wireless remote control.

Displayed parameters:

- main board (clock – time, score, set/half number, number of sets/fouls, sound signal)
- 2 separate 24-second clocks – 50 x 40 x 10 cm,
- Control panel + 2 manipulators,
- Digit time: 22 – 12,5 cm,
- visibility: approx. 60 m

Art. nr ETW 220-110 PRO

Professional scoreboard

Scoreboard ETW 220-110 PRO

Dimensions: 220 x 125 x 10 cm, operated by a wireless remote control.

Displayed parameters:

- main board (clock - time, score, set/half number, number of sets/fouls, 24-second clock, sound signal)
- digit height: 22 and 12,4 cm
- visibility: approx. 60 m



Art. nr ETW 220-160 PRO

Professional scoreboard

Scoreboard ETW 220-160 PRO

Dimensions: 220 x 125 x 10 cm.

Displayed parameters:

- main board (clock – time, score, set/half number, number of sets/fouls, sound signal)
- 2 separate 24-second clocks – 50 x 40 x 10 cm,
- Control panel + 2 manipulators,
- Digit height 22 - 12,5 cm
- Visibility: approx. 60 m



**Art. nr ETW 320 -180 PRO****Professional scoreboard**

Scoreboard ETW 320 - 180 PRO,
Dimensions: 320 x 125 x 10 cm

Displayed parameters:

- main board (clock – time, score, set/half number, number of sets/fouls, 24-second clock, sound signal)
- 2 separate 24-second clocks – 50 x 40 x 10 cm,
- Control panel + 2 manipulators,
- Digit time: 22 – 13 cm,
- Visibility: approximately 110 m.

Art. nr ETW 240 - 80 PRO**Professional scoreboard**

Scoreboard ETW 240- 80 PRO
Dimensions: 245 x 110 x 10 cm

Displayed parameters:

- main board (clock – time, score, set/half number, number of sets/fouls, individual penalties of players, sound signal)
- 2 separate 24-second clocks – 40 x 30 x 10 cm,
- Control panel + 2 manipulators,
- Digit height: 22 – 13 cm,
- Visibility: approximately 65 m.

**Art. nr ETW 320 -200 PRO****Professional scoreboard**

Scoreboard ETW 320 - 200 PRO
Dimensions: 320 x 220 x 10 cm

Displayed parameters:

- main board (clock – time, score, set/half number, number of sets/fouls, 24-second clock, individual penalties of players, time out, sound signal)
- 2 separate 24-second clocks – 50 x 40 x 10 cm,
- Control panel + 2 manipulators,
- Digit time: 22 – 13 cm,
- Visibility: approximately 110 m.

Art. nr ETW 220-110

Scoreboard series Junior is operated by a wireless remote control.

Dimensions: 220 cm x 125 cm x 10 cm.

Displayed Parameters:

- real time / game time to be set in any desired configuration within the range of 0 -90 minutes.
- Game score 0-199
- Set number/penalties number 0-9
- Number of game part 0-9
- Name of teams, etc – 16 characters,
- Characters size: 12.5 cm – 22 cm
- Sound signal set in any desired configuration,
- Visibility: up to 60 meters,
- Power supply: 230 V 50 Hz
- Weight: Approximately 40 kg.

GAMES WON 6 FOULS	TIME 2345	GAMES WON 5 FOULS
VISITOR	GAME 2	HOME
199		199

Art. nr ETW 220-130**Tablica serii Junior**

Scoreboard series Junior is operated by a wireless remote control.

Dimensions: 220 cm x 125 cm x 10 cm.

Displayed Parameters:

- real time / game time to be set in any desired configuration within the range of 0 -90 minutes.
- Game score 0-199
- Set number/penalties number 0-9
- Number of game part 0-9
- Name of teams, etc – 16 characters,
- Characters size: 12.5 cm – 22 cm
- Sound signal set in any desired configuration,
- Visibility: up to 60 meters,
- Power supply: 230 V 50 Hz
- Weight: Approximately 40 kg.

GAMES WON 6 FOULS	TIME 2345	GAMES WON 5 FOULS
VISITOR	GAME 2	HOME
199	24 sek CLOCK 24	199

Art. nr ETW 220-160

Scoreboard series Junior is operated by a wireless remote control.

Dimensions: 220 cm x 125 cm x 10 cm.

Displayed Parameters:

- real time / game time to be set in any desired configuration depending on type of game. Digit size: 220 mm
- Game score 0-199, digit size: 220 mm,
- Foul total number of a team or number of sets – 0-9. Digit size: 125 mm,
- Set number/half number - 0-9, Digit size: 12.5 cm,
- 24-second time displayed on two additional clocks
- Sound signal set in any desired configuration,
- Visibility: up to 60 meters,
- Power supply: 230 V 50 Hz
- Weight: Approximately 50 kg.

GAMES WON 6 FOULS	TIME 2345	GAMES WON 5 FOULS
VISITOR	GAME 2	HOME
199		199



Art. nr ETW 130-10, 30, 60
 Art. nr ETW 90-10
 Art. nr ETW 105-200, 201, 202, 203
 Art. nr ETW 155- 301, 302, 303

School scoreboards

Designed for small sports halls (school halls) for displaying sports scores, mainly team games, together with playing time and real time. Operated by a wireless remote control (a control panel can also be connected). Each scoreboard is provided with a sound signal and a place intended for displaying the user's/ sponsor's logo.

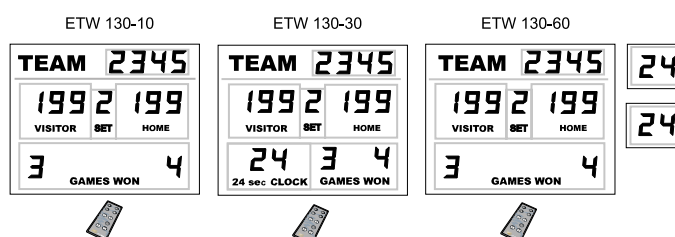
Scoreboard dimensions:

ETW 90: 90 x 50 x 10cm, visibility: 30 m

ETW 105: 105 x 80 x 10 cm, visibility 30 m

ETW 130: 130 x 100 x 10 cm, visibility: 40 m

ETW 155: 155 x 105 x 10 cm, visibility 50 m



Art. nr ETW 130-60



Art. nr ETW 90-10

Art. nr ZTW 1 Orlik**Scoreboard ZTW 1 Orlik**

Scoreboard ZTW 1 Orlik is operated by a wireless remote control.

Displayed Parameters:

- real time / game time to be set in any desired configuration within the range of 0 -90 minutes.
- Game score 0-199
- Scoreboard dimensions: 100 x 75 x 10 cm
- Digit size: 12.5 cm
- Sound signal
- Visibility: up to 70 meters,
- Displayed elements with heightened displaying brightness,
- Power supply: 230V or 12 V battery
- Weight: Approximately 20 kg.
- Permanent or removable support structures are available to be installed.

**Art. nr ZTW 2 Orlik****Scoreboard ZTW 2 Orlik**

Scoreboard ZTW 2 Orlik is operated by a wireless remote control.

Displayed Parameters:

- real time / game time to be set in any desired configuration within the range of 0 -90 minutes.
- Game score 0-199
- Scoreboard dimensions: 100 x 75 x 10 cm
- Digit size: 12.5 cm – 22 cm,
- Sound signal
- Visibility: up to 100 meters,
- Displayed elements with heightened displaying brightness,
- Power supply: 230V or 12 V battery
- Weight: Approximately 20 kg.
- Permanent or removable support structures are available to be installed.

**Art. nr ZTW 3 Orlik****Scoreboard ZTW 3 Orlik**

Scoreboard ZTW 3 Orlik is operated by a wireless remote control.

Displayed Parameters:

- actual time / game time to be set in any desired configuration within the range of 0 -90 minutes.
- Game score 0-199
- Scoreboard dimensions: 130 x 100 x 10 cm
- Digit size: approximately 30.5 cm – 22 cm,
- Sound signal
- Visibility: up to 150 meters,
- Displayed elements with heightened displaying brightness,
- Power supply: 230V or 12 V battery
- Weight: Approximately 20 kg.





Art. nr 7 - 14, 7 - 15

One-sided/double-sided coat rack benches

Manufactured from steel profiles painted with powder coating. Wood planking, with a transparent lacquer, form the seat. The bench height is 40 cm, and the seat width is 32 cm. The bench is provided with a wooden shelf for shoes and coat hooks at 15 cm intervals.



Art. nr 7 - 12

Changing room clothes racks

Powder-coated hangers, manufactured from steel profiles. Secured directly to the wall over benches. Fitted hangers ensuring safe use.

Art. nr 7 - 11

Changing room benches

Features wood planking with transparent varnish. Height 40 cm, seat width 32 cm. Additional shoe rests are provided under the seating, at a height of 10 cm from the floor.

Miscellaneous equipment are certified for compliance with the standards.





Art. nr 7-50

Stock bookshelf

Stock bookshelf holder

Art. No. 7-21 intended for volleyball posts (one set for one pair of posts).

Art. No. 7-22 – stock bookshelf holder intended for tennis posts (one set for one pair of posts).

Art. No. 7-23 – stock bookshelf holder intended for badminton posts (one set for one pair of posts)



Art. nr 19-17

Winner's Podium

The winner's podium is manufactured from steel profiles with side metal plates and tops made from riffled sheet metal. The podium is marked with numbers 1 to 3 and has differentiated height of steps.



Art. nr 19-17-2

Winner's Podium, folding

The winner's podium is manufactured from steel profiles with side metal plates and tops made from riffled sheet metal. The podium is marked with numbers 1 to 3 and has differentiated height of steps.





Art. nr 7 - 02, 7 - 03

Ball stand

Manufactured from painted metal tubes. Stationary and mobile versions available. Ensures easy storage of balls. Dimensions: 140x140x40 cm.



Art. nr 7 - 01

Lockable ball trolley

Extremely strong, handy, lockable trolley for ball storage; mobile device manufactured from painted metal tubing. Dimensions: 100x70x70 cm.



Art. nr 20 - 1, 20 - 2

Court's board, epoxy, white

Court's board, epoxy, white, height – 1,05 m, one item length: 1,8 mb, on steel construction, disassembled.

Court's board, transparent

Court's board, transparent, height – 1,05 m, one item length: 1,8 mb, on steel construction, disassembled.



Art. nr 7 - 52

Bar ball trolley

Sturdy, mobile, wire basket with lid, for ball storage; painted blue with powder coating. Dimensions: 80x60x48 cm.



Art. nr 5 - 27

Mattress trolley

Manufactured from powder-coated steel profiles, equipped with roller wheels. Dimensions: 100x200 cm. Maximum trolley load: 250 kg.



Art. nr 5 - 27 - 1

Mattress trolley, foldable

The foldable mattress trolley is manufactured from steel profiles and powder coated equipped with six wheels. The trolley makes loading, transporting and storing gymnastic mattresses much easier. Maximum load of the trolley is 250 kg.



Art. nr 7 - 30

Protective mattresses

Protective mattresses to be installed on walls and posts has the thickness of 5 cm. It is manufactured from plywood with the thickness of 0.5 cm The square metrage is calculated on the external side of the mattress.





Art. nr 50-21, 50-24

Cleaning kits

Cleaning trolleys and kits consisting of the following elements:

- painted or chromium-plated structure
- extrusion press
- galvanised steel tray (optional)
- self-adjusting wheels



Art. nr 50-01, 50-04

Cleaning trolleys

- single, painted structure;
- single, chromium-plated structure;
- double, painted structure;
- double, chromium-plated structure;

79-80

cleaning equipment



Art. nr 50-30 do 50-36

Waste trolleys

Manufactured from metal tubes, fitted with roller wheels and collapsible for easy storage. Available in a powder-coated version or electro-galvanised version. Takes up to 4 waste bags at once. Each trolley is equipped with a wire basket.



Flat and rope mops Accessories

Mop handles



Mop extrusion press

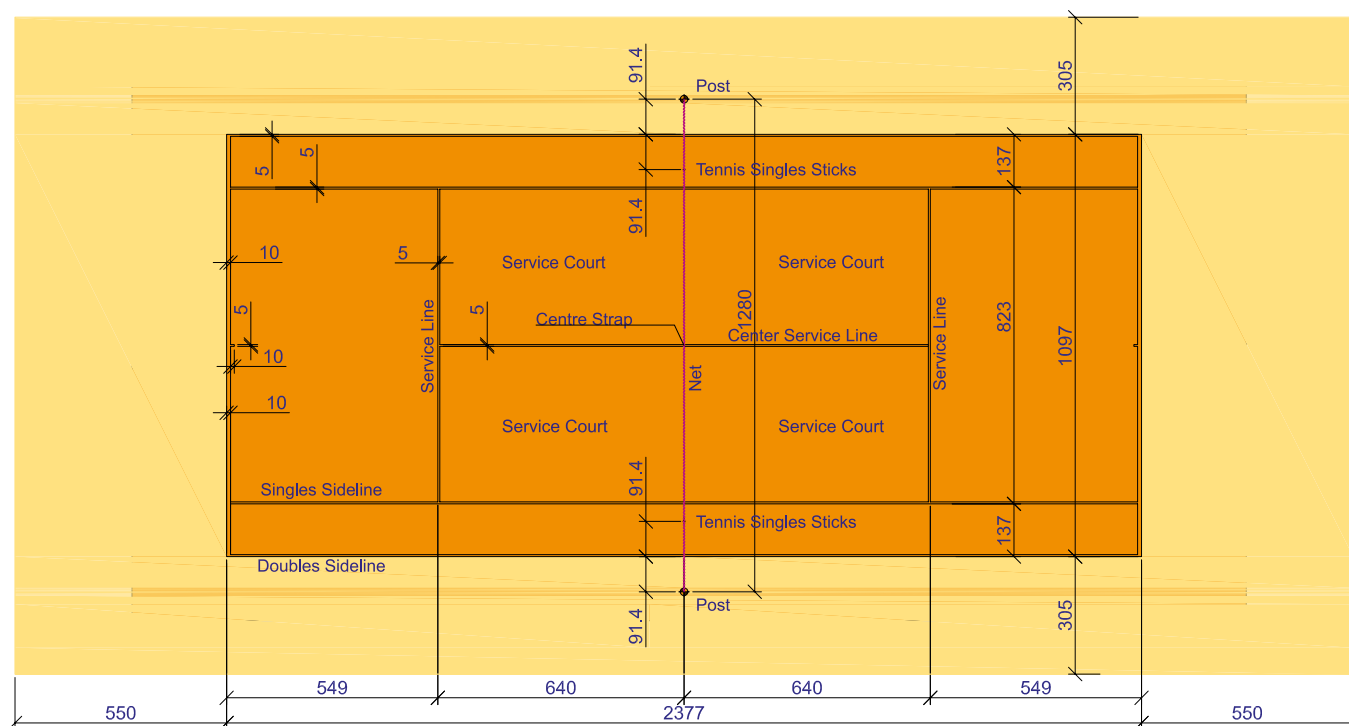
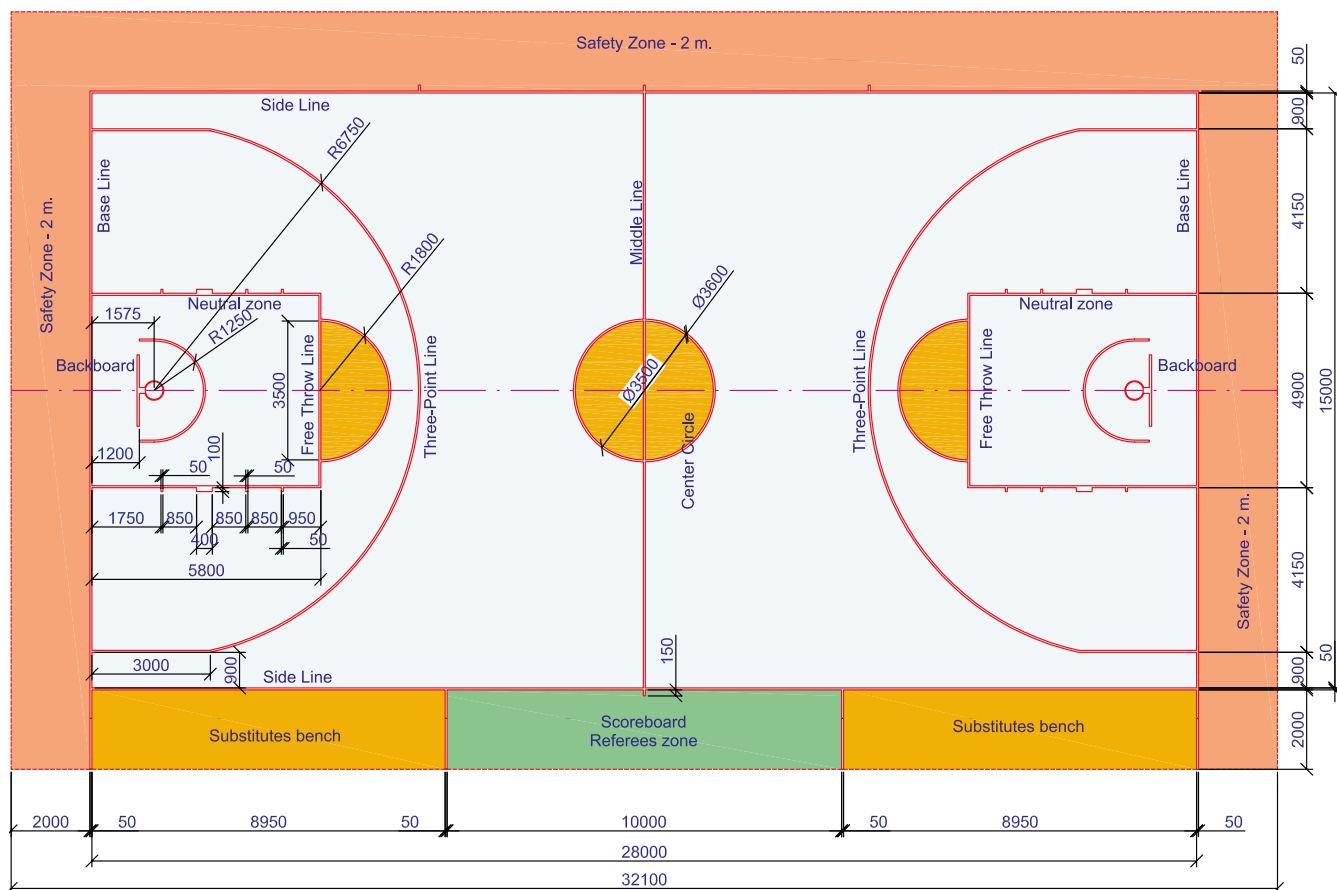
Interchangeable mop inserts



Trolley basket



Bucket 20 l



football



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