



SportsPlay Equipment, Inc.
565642 Natural Bridge St. Louis, MO 63120

General Specification for Basketball Accessories

542-600 Aluminum Backboard

The fan shaped 35" x 54" x 1 1/4" thick aluminum backboard shall be permanent molded with a #319 aluminum alloy having physical properties to prevent cracking from impact forces. Thickness of the playing surface shall be 3/16". Reinforcing ribs and flange shall be 3/4" deep and 3/16" to 1/4" thick. The area for attaching the goal and bolting to the post shall be 7/16" thick with four holes accommodating 5" x 5" and 4 7/32" x 5 1/8" goal hole patterns. All burrs and sharp areas shall be ground and sanded smooth. The complete board shall be powder coated white with a baked on polyester paint. Silk-screened targets and/or borders are optional. Molded in bosses shall be drilled and tapped for 3/8" – 16 machine bolts for attachment of optional support braces. Cast aluminum backboards carry a lifetime warranty when mounted "goal to post".

542-600-N Aluminum Backboard

Same as 542-600 above only sand blasted to a uniform natural aluminum color finish.

542-600-I Aluminum Backboard

The fan shaped 35" x 54" x 1 3/8" thick aluminum backboard shall be permanent molded with a #319 aluminum alloy having physical properties to prevent cracking from impact forces. Thickness of the playing surface shall be 3/16". Reinforcing ribs and flanges shall be 3/4" deep and 3/16" to 1/4" thick. The area for attaching the goal and bolting to the post shall be 7/16" thick with four holes accommodating 5" x 5" and 4 3/32" x 5 1/8" hole goal patterns. All burrs and sharp areas shall be ground and sanded smooth. The complete board shall be powder coated white with a baked on polyester paint. Silk-screened targets and/or borders are optional. Eight steel inserts are drilled and tapped for 3/8" – 16 machine bolts cast in mounting bosses to accommodate special mounting, dual post applications and optional support braces. Cast aluminum backboards carry a lifetime warranty when mounted "goal to post".

542-600-NI Aluminum Backboard

Natural Color fan aluminum backboard with steel inserts. See 542-600N and 542-600I above.

542-700 Rectangular Cast Aluminum Backboard

The 42' x 60" x 1 1/4" thick rectangular aluminum backboard shall be permanent molded with a #319 aluminum alloy having physical properties to prevent cracking from impact forces. Thickness of the playing surface shall be 1/4". Strengthened with cast in 3/4" deep by 3 1/6" to 1/4" thick reinforcing ribs. Edge flanges shall be 3/8" thick. The area for attaching the goal and bolting to the post shall be 1/2" thick with four holes accommodating 5" x 5" and 4 7/32" x 5 1/8" goal hole patterns. All burrs and sharp areas shall be ground and sanded smooth. The complete board shall be powder coated white with a baked on polyester paint. Silk screened targets and/or borders are optional. Eight steel inserts drilled and tapped for 3/8" – 16 machine bolts are cast in mounting bosses to accommodate special mounting applications and support braces. Cast aluminum backboards carry a lifetime warranty when mounted "goal to post".

542-617 Aluminum Backboard with Goal and Net

Our standard 542-600 backboard combined with our 542-917 Official Goal and Nylon Net.

542-917 Official Goal and Net

Rim shall be constructed of an official 18" diameter high carbon 5/8" thick steel ring with 12 wire formed no-tie net locks. Supported by 1/2" diameter steel braces. Back plate is 3/16" thick and 7" wide. Nylon net is 120-thread count with hourglass shape. Rim shall carry a 1 year limited warranty and have an orange powder coated finish.

542-972 Super Goal with Chain Net

Rim shall consist of an official size 18" diameter steel ring with a 5/8" thick steel ring on top and a 1/2" steel ring welded together at no less than six places. The lower ring shall be formed to accept chain nets (included). The back plate shall be a minimum of 3/16" thick punched to mount on all front mount backboards. One 1/2" diameter and one 3/8" diameter rim support shall provide added strength. Mounting hardware shall be included. Rim must have a 1-year limited warranty and have an orange powder coated finish. Rim shall be made in the USA and weigh approximately 17#.

542-973 Super Goal with Nylon Net

Rim shall consist of an official size 18" diameter steel ring with a 5/8" thick steel ring on top and a 1/2" steel ring welded together at no less than six places. Twelve individual netlocks shall be attached to the lower ring to accept nylon nets (included). The back plate shall be a minimum of 3/16" thick punched to mount on all front mount backboards. One 1/2" diameter and one 3/8" diameter rim support shall provide added strength. Mounting hardware shall be included. Rim must have a 1-year limited warranty and have an orange powder coated finish. Rim shall be made in the USA and weigh approximately 17#.

542-975 Breakaway Goal (Playgrounds and Gyms)

Rim shall be of a flexible type so as to absorb the player contact. Spring action shall be provided by a compression spring. The 18" diameter rim shall have a one-piece continuous wire net attachment system. The rim shall be of an institutional quality with all structural components being no less than 3/16" thick. The ring shall be an official size 5/8" high strength steel and be supported by a 3/16" x 1 1/2" rim support that is welded around 180 degrees of the bottom of the ring. A steel cover plate must enclose all internal mechanism. Rim shall be punched to mount on any front mount backboard, have a 1 year limited warranty, a nylon net and an orange powder coated finish. Mounting hardware shall be included. Rim shall be made in the USA and weigh approximately 21#.

542-976 Breakaway Goal with Heavy Duty Double Ring

Rim shall be of a flexible type so as to absorb the player contact. Spring action shall be provided by a compression spring. The 18" diameter assembly shall consist of two official size 5/8" high strength steel rings welded together at a minimum of six places. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not an acceptable equal. Rim shall be punched to mount on any front mount backboard, have a 1 year limited warranty, a nylon net and an orange powder coated finish. Mounting hardware shall be included. Rim shall be made in the USA and weigh approximately 29#.

541-616 and 541-616M Heavy Duty Aluminum Fan Gooseneck Playground System

Systems are identical except for the rims. Both use standard 18" diameter rims with double steel rings powder coated orange. The 541-616 uses a 542-972 Super Goal with steel chain net. The 541-616M uses a 542-973 Super Goal with a 120 thread count nylon net. The 35" x 54" x 1 1/4" thick aluminum backboard shall be permanent molded with a #319 aluminum alloy having physical properties to prevent cracking from impact forces. Thickness of the playing surface shall be 3/16". Reinforcing ribs and flange shall be 3/4" deep and 3/16" to 1/4" thick. The area for attaching the goal and bolting to the post shall be 7/16" thick with four holes accommodating 5" x 5" and 4 7/32" x 5 1/8" goal hole patterns. All burrs and sharp areas shall be ground and sanded smooth. The complete board shall be powder coated white with a baked on polyester paint. Silk-screened targets and/or borders are optional. Molded in bosses shall be drilled and tapped for 3/8" – 16 machine bolts for attachment of optional support braces. Cast aluminum backboards carry a lifetime warranty when mounted "goal to post" where the stress of "slam dunking" is borne by the bent post. The bent post shall be of 4 1/2" O.D. RS40 zinc flow coated steel tubing with a 7 gage (.180) wall thickness. There will be a 48" extension from the front of the bent post to the face of the backboard and allowance for a 48" bury into the ground. A 6" x 6" steel plate shall be welded to the end of the bent post with slotted mounting holes accommodating 5" x 5" and 4 1/32" x 5 1/8" goal hole patterns. The post can withstand 2300# of weight before permanent deformation occurs.

541-614 Aluminum Fan Gooseneck Playground Systems

System shall consist of our 542-600 Aluminum backboard, our 543-329 3 ½” bent post, and our 542-917 Official Goal and Nylon Net. The fan shaped 35” x 54” x 1 ¼” thick aluminum backboard shall be permanent molded with a #319 aluminum alloy having physical properties to prevent cracking from impact forces. Thickness of the playing surface shall be 3/16”.

Reinforcing ribs and flange shall be 3/4” deep and 3/16” to 1/4” thick. The area for attaching the goal and bolting to the post shall be 7/16” thick with four holes accommodating 5” x 5” and 4 7/32” x 5 1/8” goal hole patterns. All burrs and sharp areas shall be ground and sanded smooth.

The complete board shall be powder coated white with a baked on polyester paint. Silk-screened targets and/or borders are optional. Molded in bosses shall be drilled and tapped for 3/8” – 16 machine bolts for attachment of optional support braces. Cast aluminum backboards carry a lifetime warranty when mounted “goal to post” where the stress of “slam dunking” is borne by the bent post. The Bent Post shall be of 3 ½” O.D. RS40 zinc flow coated steel tubing with an 8 gage (.165”) wall thickness. There shall be a 36” extension from the front of the bent post to the face of the backboard and allowance for a 36” bury into the ground. A 6” x 6” steel plate shall be welded to the end of the bent post with slotted mounting holes accommodating 5” x 5” and 4 1/32” x 5 1/8” goal hole patterns. The post can withstand 1500# of weight before permanent deformation occurs. The rim shall be constructed of an official 18” diameter high carbon steel ring with 12 wire formed no-tie net holders. Back plate is 3/16” thick x 7” wide. Nylon net is 120-thread count with hourglass shape. Rim shall have a powder coated orange finish.