

Indoor Basketball Equipment

Portable Systems

BA853A Acrylic Max™ Portable Adjustable Basketball System

System shall consist of the following components: Portable steel base shall be suitable for supporting the entire unit during storage, movement and use. The base shall ride on non-marking casters capable of portability on typical playing surfaces with the effort of one adult on level grades. A cam-operated handle shall allow base to lower to sit on two front feet for stable playability when system has been moved to the appropriate place.

Optional floor mounting shall be available if application dictates. A 1" thick padded ballast cover shall provide player protection from contact with 850# of customer supplied concrete blocks. Pole system shall be constructed of all steel components. A hand operated crank shall infinitely vary the rim height from the storage position to 10'. At 10' rim height, the backboard shall extend no less than 30" from the base. Rim height shall be determined by a height indicator label clearly marked. A shock shall be used to add stability and provide safety should the crank assembly fail. Design shall provide for the direct mounting of the rim to the pole structure to reduce stress on the backboard when the rim is contacted. Front of base and pole shall be padded to a minimum height of 60" from the floor. Backboard shall be constructed of 3/8" thick, clear acrylic with white screening. The framework shall be constructed from aluminum extrusions. The overall backboard size shall be approximately 48" wide x 32" high. Rims shall be a flexible type so as to absorb the shock of player contact. Rim shall have an orange powder coated finish. Nylon net shall be provided. Entire system shall be durably designed and constructed so as to allow for "dunking" action. Warranty shall be 5-year limited except rim (1 year). Entire system weight without ballast shall be approximately 640#.

Optional orders include BA800 Hold down kit for concrete, tile and synthetic floors. BA800FL Hold down kit for floating wood floors. BA853BLST Max Ballast Kit.

BA853G Glass Max™ Portable Adjustable Basketball System

System shall consist of the following components: Portable steel base shall be suitable for supporting the entire unit during storage, movement and use. The base shall ride on non-marking casters capable of portability on typical playing surfaces with the effort of one adult on level grades. A cam-operated handle shall allow base to lower to sit on two front feet for stable playability when system has been moved to the appropriate place.

Optional floor mounting shall be available if application dictates. A 1" thick padded ballast cover shall provide player protection from contact with 850# of customer supplied concrete blocks. Pole system shall be constructed of all steel components. A hand operated crank shall infinitely vary the rim height from the storage position to 10'. At 10' rim height, the backboard shall protrude on less than 30" from the base. Rim height shall be determined by a height indicator label clearly marked. A shock shall be used to add stability and provide safety should the crank assembly fail. Design shall provide for the direct mounting of the rim to the pole structure to reduce stress on the backboard when the rim is contacted. Front of base and pole shall be padded to a minimum height of 60" from the floor. Backboard shall be constructed of 3/8" thick, clear tempered glass with white screening. The framework shall be constructed from aluminum extrusions. The overall backboard size shall be approximately 54" wide x 36" high. Backboard padding shall be of a molded bolt-on type so as to eliminate adhesive failure. Rims shall be a flexible type so as to absorb the shock of player contact. The rim shall be of institutional quality with 3/16" steel components and official 5/8" diameter ring. Rim shall have an orange powder coated finish. Nylon net shall be provided. Entire system shall be durably designed and constructed so as to allow for "dunking" action. Warranty shall be 5-year limited except rim (1 year). Entire system weight without ballast shall be approximately 700#.

Optional orders include BA800 Hold down kit for concrete, tile and synthetic floors. BA800FL Hold down kit for floating wood floors. BA853BLST Max Ballast Kit.

BA853GXL Super Max™ Portable Adjustable Basketball System

System shall consist of the following components: Portable steel base shall be suitable for supporting the entire unit during storage, movement and use. The base shall ride on non-marking casters capable of portability on typical playing surfaces with the effort of one adult on level grades. A cam-operated handle shall allow base to lower to sit on two front feet for stable playability when system has been moved to the appropriate place.

Optional floor mounting shall be available if application dictates. A 1" thick padded ballast cover shall provide player protection from contact with 850# of customer supplied concrete blocks. Pole system shall be constructed of all steel components. A hand operated crank shall infinitely vary the rim height from the storage position to 10'. At 10' rim height, the backboard shall protrude on less than 50" from the base. Rim height shall be determined by a height indicator label clearly marked. A shock shall be used to add stability and provide safety should the crank assembly fail. Design shall provide for the direct mounting of the rim to the pole structure to reduce stress on the backboard when the rim is contacted. Front of base and pole shall be padded to a minimum height of 60" from the floor. Backboard shall be constructed of 3/8" thick, clear tempered glass with white screening. The framework shall be constructed from aluminum extrusions. The overall backboard size shall be approximately 60" wide x 36" high. Backboard padding shall be of a molded bolt-on type so as to eliminate adhesive failure. Rims shall be a flexible type so as to absorb the shock of player contact. The rim shall be of institutional quality with 3/16" steel components and official 5/8" diameter ring. Rim shall have an orange powder coated finish. Nylon net shall be provided. Entire system shall be durably designed and constructed so as to allow for "dunking" action. Warranty shall be 5-year limited except rim (1 year) and padding (2 years). Entire system weight without ballast shall be approximately 800#.

Optional orders include BA800 Hold down kit for concrete, tile and synthetic floors. BA800FL Hold down kit for floating wood floors. BA853BLST Max Ballast Kit.

BA894GJR T-Rex 54 JR Recreational Portable

BA894GJR Portable Basketball System shall provide a 42" x 54" glass backboard and competition breakaway goal on a fully padded portable base. Face of backboard shall be a minimum of 54" from the front of the padded base when rim is at 10'. Backboard shall be ½" tempered glass with official white border and shooter's square and extruded aluminum frame. Backboard shall be designed so that the basketball rim mounts through the glass into the horizontal extension of the base to reduce stress on the glass during play. Breakaway goal shall have continuous netlocks. Backboard padding shall be gray bolt-on molded urethane with steel inserts molded into the padding.

Backboard and goal shall be suspended by means of a pivoting, welded steel structure that uses extension spring technology to counterbalance the weight of the backboard and goal to raise and lower the goal for play and storage. Primary structural steel components shall be a minimum of 4" x 4" and 4" x 2" tubing. All pivot points to facilitate lowering for storage shall be 1 ¼" steel pivot pins riding self lubricating bearings. Welded base shall provide a fully enclosed ballast compartment that is properly loaded with ballast at the factory. Goal shall be raised and lowered by one person and locked at the desired rim height or storage position by means of a telescoping height adjustment mechanism that has permanent rim height markings. Rim shall be capable of height settings from 5' to 10' in 6" increments. All steel components shall have a white textured polyester powder coated finish. Entire basketball system shall rest on the floor when in the storage position on four (4), 8" diameter, 2" wide urethane casters. When rolled into playing position, front of system shall be lifted from the front wheels onto two 4" diameter urethane stabilizer pads. Stabilizer pads shall be lowered by means of a threaded lead screw located at the top front corners of the base.

Entire front and sides of the base and front of the structural upright shall be padded a minimum of 2" thick in choice of 16 colors. Front locator pins and floor locator bushings shall be standard with the system. Rear hold-downs are optional accessories, order BA898HD. System weight shall be approximately 1550 #. The padded base shall be approximately 56" wide x 124" long x 78" high.

Components shall carry the following minimum warranties. Backboard, limited lifetime; Structure, 10-year limited; Padding, 10-year replacement and Breakaway Goal, 1-year.

BA894GSR T-Rex 54 Club Portable Basketball System

Portable Basketball System shall provide a 42" x 72" glass backboard and competition breakaway goal on a fully padded portable base. Face of backboard shall be a minimum of 54" from the front of the padded base when rim is at 10'. Backboard shall be ½" tempered glass with official white border and shooter's square and extruded aluminum frame. Backboard shall be designed so that the basketball rim mounts through the glass into the horizontal extension of the base to reduce stress on the glass during play. Breakaway goal shall have continuous netlocks. Backboard padding shall be bolt-on molded urethane with steel inserts molded into the padding and available in 16 colors.

Backboard and goal shall be suspended by means of a pivoting, welded steel structure that uses extension spring technology to counterbalance the weight of the backboard and goal to raise and lower the goal for play and storage. Primary structural steel components shall be a minimum of 4" x 4" and 4" x 2" tubing. All pivot points to facilitate lowering for storage shall be 1-¼" steel pivot pins riding on self lubricating bearings.

Welded base shall provide a fully enclosed ballast compartment that is properly loaded with ballast at the factory. Goal shall be raised and lowered by one person and locked at the desired rim height or storage position by means of a telescoping height adjustment mechanism that has permanent rim height markings. Rim shall be capable of height settings from 5' to 10' in 6" increments. All steel components shall have a white textured polyester powder coated finish. Entire basketball system shall rest on the floor when in the storage position on four (4), 8" diameter, 2" wide urethane casters. When rolled into playing position, front of system shall be lifted from the front wheels onto two 4" diameter urethane stabilizer pads. Stabilizer pads shall be lowered by means of a threaded lead screw located at the top front corners of the base.

Entire front and sides of the base and front of the structural upright shall be padded a minimum of 2" thick in choice of 16 colors. Front locator pins and floor locator bushings shall be standard with the system. Rear hold-downs are optional accessories, order BA898HD. System weight shall be approximately 1700#. The padded base shall be approximately 76" wide x 124" long x 78" high.

Components shall carry the following minimum warranties. Backboard, limited lifetime; Structure, 10-year limited; Padding, 1-year replacement and Breakaway Goal, 1-year.

BA895G T-Rex 66 Portable Basketball System

Basketball system shall provide a competition size 42" x 72" glass backboard and competition breakaway goal on a fully padded portable base. Face of backboard shall be a minimum of 66" from the front of the padded base when rim is at 10'. Backboard shall be ½" tempered glass with official white border and shooters square and extruded aluminum frame. Backboard shall be designed so that the basketball rim mounts through the glass into the horizontal extension of the base to reduce stress on the glass during play. Rim shall have continuous netlocks. Backboard padding shall be bolt-on molded urethane with steel inserts molded into the padding. Padding shall be available in choice of 16 school colors. All system features except the 66" setback (96" is required) shall meet all NCAA and National High School Federation rules.

Backboard and goal shall be suspended by means of a pivoting, welded steel structure that uses extension spring technology to counter balance the weight of the backboard and goal to raise and lower the goal for play and storage. Primary structural steel components shall be a minimum of 4" x 4" and 4" x 2" tubing with a minimum ¼" wall thickness. All pivot points to facilitate lowering for storage shall be 1 ¼" steel pivot pins riding on self lubricating bearings. Welded base shall provide a fully enclosed ballast compartment that is properly loaded with steel ballast at the factory. Goal shall be raised and lowered by one person and locked at the desired rim height or storage position by means of a telescoping height adjustment mechanism that has permanent rim height markings. Rim shall be capable of height settings from 5' to 10' in 6" increments. All steel components shall have a white textured polyester powder coated finish. Entire basketball system shall rest on the floor when in the storage position on four (4), 8" diameter, 2" wide urethane casters. When rolled into playing position, front of system shall be lifted from the front wheels onto two 4" diameter urethane stabilizer pads. Stabilizer pads shall be lowered by means of a threaded lead screw located at the top front corners of the base.

Entire front and sides of the base and front of the structural upright shall be padded a minimum of 2" thick in choice of 16 school colors. Lower surface of horizontal extension arm shall be padded to a distance of 60" from the rear of the backboard. Front locator pins and floor locator bushings shall be standard with the system. Rear holddowns are optional accessories, order BA898HD. System weight shall be approximately 1,900#. The padded base shall be approximately 40" wide x 74" long. The total stored dimension shall be approximately 76" wide x 130" long x 78" high.

Components shall carry the following minimum warranties. Backboard, limited lifetime; Structure, 10-year limited; Padding, 10-year replacement and Breakaway Goal, 1-year.

BA898G T-Rex 96 Adjustable/Portable Basketball System

Basketball system shall provide a competition size 42" x 72" glass backboard and competition breakaway goal on a fully padded portable base. Face of backboard shall be a minimum of 96" from the front of the padded base when rim is at 10'. Backboard shall be ½" tempered glass with official white border and shooters square and extruded aluminum frame. Backboard shall be designed so that the basketball rim mounts through the glass into the horizontal extension of the base to reduce stress on the glass during play. Breakaway rim shall be designed to flex with equal pressure in any direction around the front 180° circumference of the ring, and have a tubular net attachment system. Backboard padding shall be bolt-on molded urethane with steel inserts molded into the padding. Padding shall be available in choice of 16 school colors. Entire system shall meet all rules for high school and collegiate play.

Backboard and goal shall be suspended by means of a pivoting, welded steel structure that uses extension spring technology to counter balance the weight of the backboard and goal to raise and lower the goal for play and storage. Primary structural steel components shall be a minimum of 4" x 4" and 4" x 2" tubing with a minimum ¼" wall thickness. Horizontal extension arm shall be reinforced by no less than two ¼" thick steel members for no less than 7' of the arm length. All pivot points to facilitate lowering for storage shall be 1 ¼" steel pivot pins riding on self lubricating bearings. Welded base shall provide a fully enclosed ballast compartment that is properly loaded with steel ballast at the factory. Goal shall be raised and lowered by one person and locked at the desired rim height or storage position by means of a telescoping height adjustment mechanism that has permanent rim height markings. An independent tensioning device placed between the uprights shall provide additional rigidity to the entire structure. Rim shall be capable of height settings from 7' to 10' in 6" increments. All steel components shall have a white textured polyester powder coated finish. Entire basketball system shall rest on the floor when in the storage position on six (6), 8" diameter, 2" wide urethane casters (two single front, 2 double rear). When rolled into playing position, front of system shall be lifted from the front wheels onto two 4" diameter urethane stabilizer pads. Stabilizer pads shall be lowered by means of a threaded lead screw located at the top front corners of the base.

Entire front and sides of the base and front of the structural upright shall be padded a minimum of 2" thick in choice of 16 school colors. Lower surface of horizontal extension arm shall be padded to a distance of 60" from the rear of the backboard. Front locator pins and floor locator bushings and rear hold-downs shall be standard with the system, BA898HD. System weight shall be approximately 2,350#. The padded base shall be approximately 40" wide x 74" long. The total stored dimension shall be approximately 76" wide x 160" long x 78" high.

Components shall carry the following minimum warranties. Backboard, limited lifetime; Structure, 10-year limited; Padding, 10-year replacement and Breakaway Goal, 5-year.

Goals

BA21 Standard Rear Mount Competition Goal

Rim shall consist of an official size 5/8" diameter steel ring welded to 3/16" thick structural components punched to fit all rear mount backboards. The ring shall be supported by a 1/4" x 1 1/2" steel rim support that is welded around 180° of the bottom of the ring and have continuous netlocks wire formed to accept a nylon net (included). Mounting hardware shall be included. Rim shall have an orange powder coated finish, be made in the USA and weigh approximately 18#.

BA21A Rear Mount Super Goal

Rim shall consist of an official size 5/8" diameter carbon steel ring welded to 3/16" thick structural components punched to fit all rear mount backboards. The ring shall be supported by a 1/4" x 1 1/2" steel rim support that is welded around 180° of the bottom of the ring and have continuous netlocks wire formed to accept a nylon net (included). Auxiliary steel supports shall be welded to the underside of the rim to strengthen areas of vulnerability. Mounting hardware shall be included. Rim shall have a 1-year warranty, an orange powder coated finish, be made in the USA and weigh approximately 18#.

BA27 Standard Front Mount Competition Goal

Rim shall be constructed of an official size high carbon 5/8" diameter ring with continuous wire formed netlocks. Backplate shall be a minimum 3/16" thick. Rim shall be supported by a 1/2" diameter steel brace. Rim shall carry a 1-year limited warranty and have an orange powder coated finish and weigh approximately 12#.

BA27A Front Mount Super Goal

Rim shall consist of an official size 5/8" diameter carbon steel ring welded to a 1/4" thick backplate punched to fit all front mount backboards. A 5/8" diameter rim support shall support the ring. To be considered as an equal to this rim specification, an additional 6" long 5/8" diameter formed bar must be positioned at the bottom side of the joint between the backplate and the ring and welded full length on both sides. Mounting hardware shall be included. Rim shall have continuous wire formed netlocks to accept nylon net (included), a 2-year limited warranty, orange powder coated finish, be made in the USA and weigh approximately 17#.

BA32 Heavy-Duty Side Court and Recreational Flex Goal

Rim shall be of a flexible type so as to absorb the player contact. Spring action shall be provided by a compression spring. 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° of the bottom of the ring. A steel coverplate 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 22#.

BA32RXT Flex-Court Rear Mount Flex Goal

Rim shall be of a flexible type so as to absorb the shock of player contact. Spring action shall be provided by no less than two square wire die springs. The ring shall be an official size 5/8" high strength steel and be supported by a 1/4" x 1 1/2" rim support that is welded around 180° of the bottom of the ring. All structural components shall be not less than 3/16" thick. Rims shall be punched to mount on any rear 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 20#.

BA34 TruFlex™ Competition Breakaway Goal

Goal shall be constructed using 5/8" diameter steel ring with continuous wire netlocks. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular, and 54" x 39" fan-shaped glass backboards. The rim support brace shall be 1/4" x 1 1/2" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The breakaway mechanism shall be of the positive lock design, factory preset. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened detent. Said ball/detent mechanism shall provide proper breakaway pressure. All pinch points shall be eliminated for player safety. All components shall be coated with an official orange powder coated finish. A white nylon net shall be provided. Goal shall carry a 1-year limited warranty, be manufactured in the USA and meet all NCAA and National High School Federation standards and weighs 23#.

BA35 ProTech Competition Breakaway Goal

Goal shall be constructed using 5/8" diameter high strength steel ring with continuous wire netlocks. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be 1/4" x 1 1/2" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The breakaway mechanism shall be of the positive lock design, factory preset. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened detent. Said ball/detent mechanism shall provide proper breakaway pressure. All pinch points shall be eliminated for player safety. Entire mechanism shall be covered by a steel coverplate. All components shall be coated with an official orange powder coated finish. A white nylon net shall be provided. Goal shall carry an unconditional 3-year replacement warranty, be manufactured in the USA and meet all NCAA and National High School Federation standards and weighs 23#.

BA35A ReAction Adjustable Tension Breakaway Goal

Goal shall be constructed using 5/8" diameter high strength steel ring with a 5/16" OD 18 ga. tubular net attachment device. Net shall be held in place by means of a 1/8" nylon cord that passes through the tubular members. For replacement Hideaway Net Attachment Cables order BA35ARC. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be 1/4" x 1 1/2" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of positive lock design and be field adjustable without being removed from the backboard. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened detent. Said ball/detent mechanism shall provide proper breakaway pressure. The entire mechanism shall be totally enclosed by a steel coverplate. All pinch points shall be eliminated for player safety. All components shall be coated with an official orange powder coated finish. A white nylon anti-whip net shall be provided. Goal shall carry a 4-year limited warranty, be manufactured in the USA and meet all NCAA and National High School Federation standard and weighs 23#.

BA35E Elite Competition Breakaway Goal

Goal shall be constructed using a 5/8" diameter high strength solid steel ring with continuous steel netlocks attached. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be 1/4" x 1 1/2" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of the positive lock design, factory preset at the NCAA, FIBA and National High School Federation prescribed pressure release setting. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened steel detent. Said ball/detent mechanism shall provide proper breakaway pressure. All pinch points shall be eliminated for player safety. The rim shall be lubricated by means of six grease fittings that provide lubricant to all moving parts. A white nylon anti-whip net shall be provided. Goal shall carry a 5-year limited warranty. Goal shall be manufactured in the USA and meet all NCAA and National High School Federation standards. Weighs 25#.

Bison Baseline™ BA3180S and BA3180T (180° Breakaway Goal)

Goal shall be designed and constructed so that when downward pressure exceeding the release pressure setting is applied at any location within 90° either to the left or to the right of the point on the ring farthest from the backboard, the entire ring assembly will pivot downward. The release pressure setting shall be field adjustable and be designed with a detent style positive lock mechanism so that the ring cannot be released until the setting pressure is exceeded.

Ring shall be constructed of 5/8" diameter carbon steel. Tubular segments shall be spaced and welded a full 360° around the lower surface of the 5/8" ring to allow the goal net to be securely attached without fasteners by means of a single nylon cord.

All steel components that come in contact with other steel components during release of the ring assembly shall be heat treated to a minimum depth of 0.020" and hardness of 50 on the Rockwell "C" scale.

Goal shall meet all applicable NCAA, FIBA and National High School Federation rules including NCAA Men's Division I rule regarding rebound elasticity testing.

Release mechanism shall be isolated from player contact and pinch point risk by means of a steel cover plate.

BA3180S shall have a 5" wide x 4" high, 4-hole mounting pattern to facilitate attachment to all 72" x 42" high backboards. BA3180T shall have both a 5" x 4" and a 5" x 5" hole pattern to allow mounting to any brand of front mount backboard that is approved for official competition play.

All goals shall have an orange powder coat finish and include anti-whip nylon net, zinc plated grade 5 mounting hardware, two (2) net attachment cords and have a 7-year limited warranty. For replacement net cords order BA35ARC.

Goals without positive lock mechanisms, without 360° tubular style net attachment or that do not release at all points along the front 180° circumference of the ring shall not be considered equal.

Rim shall weigh approximately 39#.

Backboards

BA407C Side Court Conversion Glass Backboard (54" x 42")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of 7 ga. steel corner brackets. A single welded tubular steel framework shall be mounted into the rear side of the backboard to facilitate mounting the backboard to wall or ceiling mounting structures that were designed to support fan-shaped backboards with industry standard 20" x 35" mounting patterns. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboard shall carry an unconditional lifetime warranty and weigh 175#.

BA407G Glass Backboard (54" x 42")

Backboard shall be constructed of ½" thick, clear tempered glass and measure 54" x 42". Backboard shall be framed with aluminum extrusion with steel corner brackets. A steel rear structure shall be mounted into the aluminum framework and provide support to the backboard where the rim attaches. An official sized shooter's square and border shall be fire impregnated on the backboard. Board shall carry a limited lifetime warranty and weights 150#.

BA42E Standard Short Glass Backboard (72" x 42")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of corner brackets that provided for the industry standard 36" x 62" short board corner mounting pattern. At the rim mounting location, glass shall be sandwiched between two steel plates that are separated from the glass by means of 1/16" thick gaskets. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboard shall meet all NCAA and National High School Federation standards and shall carry a 20-year limited warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Board shall weigh 180#.

BA42XL Unbreakable Competition Short Glass Backboard (72" x 42")

Backboard shall be constructed of ½ " thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for the industry standard 36" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA and National High School Federation standards and carry an unconditional lifetime warranty. Frame shall be predrilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 200#.

BA42XLC Extended Life Short Glass Conversion Backboard (72" x 42")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of 7 ga. steel corner brackets. A single welded tubular steel framework shall be mounted into the rear side of the backboard to facilitate mounting the backboard to wall or ceiling mounting structures that were designed to support fan-shaped backboards with industry standard 20" x 35" mounting patterns. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboard shall meet all NCAA and National High School Federation standards and shall carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Backboard shall weigh 220#.

BA455 Tuffglass Rectangular Fiberglass Backboard (72" x 42")

Backboard shall be 42" x 72" rectangular fiberglass. The front and rear shell shall be gel coated fiberglass that is a minimum of 1/8" thick. The front and rear shall be permanently bonded together around a solid fiber core to create a solid backboard with an overall thickness of 1 ½". Sixteen threaded steel inserts are molded into the rear shell to facilitate mounting. These inserts shall permit mounting to all 36" x 62" and 20" x 35" support structures. The front and back of the backboard shall be white fiberglass and an official orange shooter's square and boarder shall be permanently molded into the playing surface. Silk screened or vinyl adhesive applied border and shooter's square shall not be acceptable substitutions. Backboard shall accept rims with a 5" x 4" hole pattern and be manufactured in the USA. Backboard shall carry a 10-year limited warranty and have a shipping weight of 160#.

BA465 Fan-Shaped Fiberglass Front Mount Backboard

Backboard shall be 54" x 39" fan shaped fiberglass. The front and rear shell shall be gel coated fiberglass that is a minimum of 1/8" thick. The front and rear shall be permanently bonded together around a solid fiber core to create a solid backboard with an overall thickness of 1 1/2". Eight (8) threaded steel inserts are molded into the rear shell to facilitate mounting to common 20" x 35" support structure. The front and back of the backboard shall be white and an official orange shooter's square and boarder shall be permanently molded into the surface. Backboard shall accept rims with a 5" x 5" hole pattern and be manufactured in the USA. Backboard shall carry a 10-year limited warranty and have a shipping weight of 89#.

BA472 Official Rectangular Steel Backboard (72" x 42")

Backboard shall be 42" x 72" rectangular steel. Skin shall be 12 ga. mild steel and rear structure shall be 7 ga. and 10 ga. All skin edges shall be safety rolled to eliminate sharp edges and increase strength and rigidity. Structure on the rear shall allow mounting to common 36" x 62" supports. The backboard shall be coated with a white powder coated finish and have an official size orange shooter's square. Backboard shall accept rims with a 5" x 4" hole pattern and be manufactured in the USA. Backboard shall carry a 10-year limited warranty and have a shipping weight of approximately 160#.

BA48 Standard Tall Glass Backboard (72" x 48")

Backboard shall be constructed of 1/2" thick tempered glass with an official white shooter's square and border and shall have 5" x 5" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of corner brackets that provide for the industry standard 42" x 62" short board corner mounting pattern. At the rim mounting location, glass shall be sandwiched between two steel plates that are separated from the glass by means of 1/16" thick gaskets. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboards shall meet all NCAA and National High School Federation standards and shall carry a 20-year limited warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Board shall weigh 210#.

BA48XL Unbreakable Competition Tall Glass Backboard (72" x 48")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 5" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for common 42" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA and National High School Federation standards and carry an unconditional lifetime warranty. Frame shall be predrilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 230#.

BA48XLC Extended Life Short Glass Conversion Backboard (72" x 48")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 5" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of 7 ga. steel corner brackets. A single welded tubular steel framework shall be mounted into the rear side of the backboard to facilitate mounting the backboard to wall or ceiling mounting structures that were designed to support backboards with industry standard 20" x 35" mounting patterns. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboard shall meet all NCAA and National High School Federation standards and shall carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Backboard shall weigh 240#.

Backboard Padding

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

BA68F DuraSkin Fan-Shaped Bolt-on Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of front mount or rear mount glass, steel, and cast aluminum fan-shaped backboards by means of bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. Padding system shall be available in official gray, royal, scarlet, and black. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The unconditional replacement warranty shall extend for five (5) years and cover tearing and deterioration, as well as detachment from the backboards. Each kit shall weigh 5#.

Wall Mount Packages

PKG46SFFS, PKG68SFFS, PKG82SFFS

Bison Side-Fold Side Court Wall Mount System

Entire wall mount package shall consist of one each of the following components. Structure shall be constructed of 100% welded 2" diameter DOM seamless tubing with a 10 ga. wall thickness. 1 5/8" diameter extension tubes shall fit inside the 2" tubes to allow a minimum of 24" (48" on PKG82SFFS) adjustment of the backboard extension at the time of installation. Adjustment shall allow the face of the backboard to be anywhere between 48" and 72" (72" and 96" PKG68SFFS, 96" and 144" PKG82SFFS) from the wall. Telescoping tubes shall be triple set screwed, then drilled and bolted in place at final assembly. All mounting brackets and hinge components shall be a minimum of 7 ga. thick and all bolts at the pivot location shall be no less than 5/8" diameter grade 5 zinc plated. Structure shall be designed to swing either to the right or left by means of a diagonal telescoping strut that can be locked at either the stored or the playing position by means of a spring loaded locking pin. All steel components shall be finished with a gray powder coated finish. Steel structure shall mount to 2" x 8" southern yellow pine wall struts that shall be attached directly to the wall with fasteners selected by the installer. 800#, 3/16" proof coil chain shall extend at an appropriate angle of 45° to brackets attached to a third 2" x 8" wall strut. Chain shall be tensioned by means of a turnbuckle. **Backboard** shall be constructed of formed and welded steel with a 54" x 39" fan-shaped playing surface. Skin shall be 12 ga. mild steel and support structure shall be 7 ga. and 10 ga. All skin edges shall be formed to create a 1 1/2" lip to add strength. The backboard shall be coated with a white polyester powder coated finish and have an official orange shooter's square. Backboard shall carry a minimum 10-year limited warranty. **Rim** shall be of a flexible type so as to absorb the player contact. Spring action shall be provided by a compression spring. 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° of the bottom of the ring. A steel coverplate 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#. Entire system shall weigh approximately 320#. PKG68SFFS shall weigh 350#, PKG82SFFS 420#.

PKG46SFRG, PKG68SFRG, PKG82SFRG

Bison Side-Fold Competition Wall Mount System

Entire wall mount package shall consist of one each of the following components.

Structure shall be constructed of 100% welded 2" diameter DOM seamless tubing with a 10 ga. wall thickness. 1 5/8" diameter extension tubes shall fit inside the 2" tubes to allow a minimum of 24" (48" on PKG82SFRG) adjustment of the backboard extension at the time of installation. Adjustment shall allow the face of the backboard to be anywhere between 48" and 72" (72" and 96" PKG68SFRG, 96" and 144" PKG82SFRG) from the wall. Telescoping tubes shall be triple set screwed, then drilled and bolted in place at final assembly. All mounting brackets and hinge components shall be a minimum of 7 ga. thick and all bolts at the pivot location shall be no less than 5/8" diameter grade 5 zinc plated. Structure shall be designed to swing either to the right or left by means of a diagonal telescoping strut that can be locked at either the stored or the playing position by means of a spring loaded locking pin. All steel components shall be finished with a gray powder coated finish. Steel structure shall mount to 2" x 8" southern yellow pine wall struts that shall be attached directly to the wall with fasteners selected by the installer. 800#, 3/16" proof coil chain shall extend at an appropriate angle of 45° to brackets attached to a third 2" x 8" wall strut. Chain shall be tensioned by means of a turnbuckle. **Backboard** shall be constructed of 1/2" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for the industry standard 36" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA and National High School Federation standards and carry an unconditional lifetime warranty. Frame shall be predrilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 205#. **Goal** shall be constructed using a 5/8" diameter high strength solid steel ring with continuous steel netlocks attached. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be 1/4" x 1 1/2" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of the positive lock design, factory preset at the NCAA, FIBA and National High School Federation prescribed pressure release setting. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened steel detent. Said ball/detent mechanism shall provide proper breakaway pressure. *The entire mechanism shall be totally enclosed by a foam padded safety coverplate.* All pinch points shall be eliminated for player safety. *The rim shall be lubricated by means of six grease fittings that provide lubricant to all moving parts.* A grease gun and cartridge shall be provided. A white nylon anti-whip net shall be provided. Goal shall carry a 5-year limited warranty. Each goal shall be assigned a serial number. Goal shall be manufactured in the USA and meet all NCAA and National High School Federation standards. **Backboard padding** shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Brown, Cardinal and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards. Entire system shall weigh approximately 490#. PKG68SFRG shall weigh 535#, PKG82SFRG 585#.

PKG46STFS, PKG68STFS, PKG82STFS

Bison Stationary Side Court Wall Mount System

Entire wall mount package shall consist of one each of the following components. Structure shall be constructed of 100% welded 2" diameter DOM seamless tubing with a 10 ga. wall thickness. 1 5/8" diameter extension tubes shall fit inside the 2" tubes to allow a minimum of 24" (48" on PKG82STFS) adjustment of the backboard extension at the time of installation. Adjustment shall allow the face of the backboard to be anywhere between 48" and 72" (72" and 96" PKG68STFS, 96" and 144" PKG82STFS) from the wall. Telescoping tubes shall be triple set screwed, then drilled and bolted in place at final assembly. All mounting brackets and hinge components shall be a minimum of 7 ga. thick and all bolts at the pivot location shall be no less than 5/8" diameter grade 5 zinc plated. All steel components shall be finished with a gray powder coated finish. Steel structure shall mount to 2" x 8" southern yellow pine wall struts that shall be attached directly to the wall with fasteners selected by the installer. 800#, 3/16" proof coil chain shall extend at an appropriate angle of 45° to brackets attached to a third 2" x 8" wall strut. Chain shall be tensioned by means of a turnbuckle. Backboard shall be constructed of formed and welded steel with a 54" x 39" fan-shaped playing surface. Skin shall be 12 ga. mild steel and support structure shall be 7 ga. and 10 ga. All skin edges shall be formed to create a 1 1/2" lip to add strength. The backboard shall be coated with a white polyester powder coated finish and have an official orange shooter's square. Backboard shall carry a minimum 10-year limited warranty. Rim shall be of a flexible type so as to absorb the player contact. Spring action shall be provided by a compression spring. 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° of the bottom of the ring. A steel coverplate 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#. Entire system shall weigh approximately 275#. PKG68STFS shall weigh 310#, PKG82STFS 390#.

PKG46STRG, PKG68STRG, PKG82STRG

Bison Stationary Competition Wall Mount System

Entire wall mount package shall consist of one each of the following components.

Structure shall be constructed of 100% welded 2" diameter DOM seamless tubing with a 10 ga. wall thickness. 1 5/8" diameter extension tubes shall fit inside the 2" tubes to allow a minimum of 24" (48" on PKG82STRG) adjustment of the backboard extension at the time of installation. Adjustment shall allow the face of the backboard to be anywhere between 48" and 72" (72" and 96" PKG68STRG, 96" and 144" PKG82STRG) from the wall. Telescoping tubes shall be triple set screwed, then drilled and bolted in place at final assembly. All mounting brackets and hinge components shall be a minimum of 7 ga. thick and all bolts at the pivot location shall be no less than 5/8" diameter grade 5 zinc plated. All steel components shall be finished with a gray powder coated finish. Steel structure shall mount to 2" x 8" southern yellow pine wall struts that shall be attached directly to the wall with fasteners selected by the installer. 800#, 3/16" proof coil chain shall extend at an appropriate angle of 45° to brackets attached to a third 2" x 8" wall strut. Chain shall be tensioned by means of a turnbuckle. **Backboard** shall be constructed of 1/2" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for the industry standard 36" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA and National High School Federation standards and carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 205#. **Goal** shall be constructed using a 5/8" diameter high strength solid steel ring with continuous steel netlocks attached. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be 1/4" x 1 1/2" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of the positive lock design, factory preset at the NCAA, FIBA and National High School Federation prescribed pressure release setting. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened steel detent. Said ball/detent mechanism shall provide proper breakaway pressure. *The entire mechanism shall be totally enclosed by a foam padded safety coverplate.* All pinch points shall be eliminated for player safety. *The rim shall be lubricated by means of six grease fittings that provide lubricant to all moving parts.* A grease gun and cartridge shall be provided. A white nylon anti-whip net shall be provided. Goal shall carry a 5-year limited warranty. Each goal shall be assigned a serial number. Goal shall be manufactured in the USA and meet all NCAA and National High School Federation standards. **Backboard padding** shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Brown, Cardinal, Vegas Gold and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards. Entire system shall weigh approximately 470#. PKG68STRG shall weigh 500#, PKG82STRG 580#.

PKG46SUFS, PKG68SUFS, PKG82SUFS
Bison Swing-Up Side Court Wall Mount System

Entire wall mount package shall consist of one each of the following components. Structure shall be constructed of 100% welded 2" diameter DOM seamless tubing with a 10 ga. wall thickness. 1 5/8" diameter extension tubes shall fit inside the 2" tubes to allow a minimum of 24" (48" on PKG82SUFS) adjustment of the backboard extension at the time of installation. Adjustment shall allow the face of the backboard to be anywhere between 48" and 72" (72" and 96" PKG68SUFS, 96" and 144" PKG82SUFS) from the wall. Telescoping tubes shall be triple set screwed, then drilled and bolted in place at final assembly. All mounting brackets and hinge components shall be a minimum of 7 ga. thick and all bolts at the pivot location shall be no less than 5/8" diameter grade 5 zinc plated. Structure shall be designed to swing upwards to a stored position by means of a hand operated crank mounted on the wall that is included with the system. All steel components shall be finished with a gray powder coated finish. Steel structure shall mount to 2" x 8" southern yellow pine wall struts that shall be attached directly to the wall with fasteners selected by the installer. 800#, 3/16" proof coil chain shall extend at an appropriate angle of 45° to brackets attached to a third 2" x 8" wall strut. Chain shall be tensioned by means of a turnbuckle. **Backboard** shall be constructed of formed and welded steel with a 54" x 39" fan-shaped playing surface. Skin shall be 12 ga. mild steel and support structure shall be 7 ga. and 10 ga. All skin edges shall be formed to create a 1 1/2" lip to add strength. The backboard shall be coated with a white polyester powder coated finish and have an official orange shooter's square. Backboard shall carry a minimum 10-year limited warranty. **Rim** shall be of a flexible type so as to absorb the player contact. Spring action shall be provided by a compression spring. 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° of the bottom of the ring. A steel coverplate 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#. Entire system shall weigh approximately 350#. PKG68SUFS shall weigh 395#, PKG82SUFS 495#.

PKG46SURG, PKG68SURG, PKG82SURG

Bison Swing-Up Competition Wall Mount System

Entire wall mount package shall consist of one each of the following components.

Structure shall be constructed of 100% welded 2" diameter DOM seamless tubing with a 10 ga. wall thickness. 1 5/8" diameter extension tubes shall fit inside the 2" tubes to allow a minimum of 24" (48" on PKG82SURG) adjustment of the backboard extension at the time of installation. Adjustment shall allow the face of the backboard to be anywhere between 48" and 72" (72" and 96" PKG68SURG, 96" and 144" PKG82SURG) from the wall. Telescoping tubes shall be triple set screwed, then drilled and bolted in place at final assembly. All mounting brackets and hinge components shall be a minimum of 7 ga. thick and all bolts at the pivot location shall be no less than 5/8" diameter grade 5 zinc plated. Structure shall be designed to swing upwards to a stored position by means of a hand operated crank mounted on the wall that is included in the system. All steel components shall be finished with a gray powder coated finish. Steel structure shall mount to 2" x 8" southern yellow pine wall struts that shall be attached directly to the wall with fasteners selected by the installer. 800#, 3/16" proof coil chain shall extend at an appropriate angle of 45° to brackets attached to a third 2" x 8" wall strut. Chain shall be tensioned by means of a turnbuckle.

Backboard shall be constructed of 1/2" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for the industry standard 36" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA and National High School Federation standards and carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 205#. **Goal** shall be constructed using a 5/8" diameter high strength solid steel ring with continuous steel netlocks attached. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be 1/4" x 1 1/2" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of the positive lock design, factory preset at the NCAA, FIBA and National High School Federation prescribed pressure release setting. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened steel detent. Said ball/detent mechanism shall provide proper breakaway pressure. *The entire mechanism shall be totally enclosed by a foam padded safety coverplate.*

All pinch points shall be eliminated for player safety. *The rim shall be lubricated by means of six grease fittings that provide lubricant to all moving parts.* A grease gun and cartridge shall be provided. A white nylon anti-whip net shall be provided. Goal shall carry a 5-year limited warranty. Each goal shall be assigned a serial number. Goal shall be manufactured in the USA and meet all NCAA and National High School Federation standards. **Backboard padding** shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards. Entire system shall weigh approximately 555#. PKG68SURG shall weigh 615#, PKG82SURG 725#.

Gym Upgrade Packages

OFC4234-XX Gym Upgrade Package:

BA42XLC Extended Life Short Glass Conversion Backboard (72" x 42")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of 7 ga. steel corner brackets.

A single welded tubular steel framework shall be mounted into the rear side of the backboard to facilitate mounting the backboard to wall or ceiling mounting structures that were designed to support fan-shaped backboards with industry standard 20" x 35" mounting patterns. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboard shall meet all NCAA standards, be designated as the "Official Conversion Backboard" of the National High School Federation and shall carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Backboard shall weigh 220#.

BA34 TruFlex™ Competition Breakaway Goal

Goal shall be constructed using 5/8" diameter steel ring with continuous wire netlocks.

All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular, and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The breakaway mechanism shall be of the positive lock design, factory preset. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened detent. Said ball/detent mechanism shall provide proper breakaway pressure. All pinch points shall be eliminated for player safety. All components shall be coated with an official orange powder coated finish. A white nylon net shall be provided. Goal shall carry a 1-year limited warranty, be manufactured in the USA and meet all NCAA and National High School Federation standards and weighs 23#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10 years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 250#.

OFC4235E-XX Gym Upgrade Package:

BA42XLC Extended Life Short Glass Conversion Backboard (72" x 42")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of 7 ga. steel corner brackets. A single welded tubular steel framework shall be mounted into the rear side of the backboard to facilitate mounting the backboard to wall or ceiling mounting structures that were designed to support fan-shaped backboards with industry standard 20" x 35" mounting patterns. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboard shall meet all NCAA standards, be designated as the "Official Conversion Backboard" of the National High School Federation and shall carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Backboard shall weigh 220#.

BA35E Elite Competition Breakaway Goal

Goal shall be constructed using a 5/8" diameter high strength solid steel ring with continuous steel netlocks attached. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of the positive lock design, factory preset at the NCAA, FIBA and National High School Federation prescribed pressure release setting. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened steel detent. Said ball/detent mechanism shall provide proper breakaway pressure. The entire mechanism shall be totally enclosed by a foam padded safety coverplate. All pinch points shall be eliminated for player safety. The rim shall be lubricated by means of six grease fittings that provide lubricant to all moving parts. A grease gun and cartridge shall be provided. A white nylon anti-whip net shall be provided. Goal shall carry a 5-year limited warranty. Each goal shall be assigned a serial number. Goal shall be manufactured in the USA and meet all NCAA standards and be designated as the "Official Breakaway Goal of the National High School Federation." Weighs 25#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 254#

OFS4234-XX Gym Upgrade Package:

BA42E Standard Short Glass Backboard (72" x 42")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of corner brackets that provided for the industry standard 36" x 62" short board corner mounting pattern. At the rim mounting location, glass shall be sandwiched between two steel plates that are separated from the glass by means of 1/16" thick gaskets. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboard shall meet all NCAA and National High School Federation standards and shall carry a 20-year limited warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Board shall weigh 180#.

BA34 TruFlex™ Competition Breakaway Goal

Goal shall be constructed using 5/8" diameter steel ring with continuous wire netlocks. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular, and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The breakaway mechanism shall be of the positive lock design, factory preset. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened detent. Said ball/detent mechanism shall provide proper breakaway pressure. All pinch points shall be eliminated for player safety. All components shall be coated with an official orange powder coated finish. A white nylon net shall be provided. Goal shall carry a 1-year limited warranty, be manufactured in the USA and meet all NCAA and National High School Federation standards and weighs 23#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 210#

OFS4834-XX Gym Upgrade Package:

BA48 Standard Tall Glass Backboard (72" x 48")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 5" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of corner brackets that provide for the industry standard 42" x 62" short board corner mounting pattern. At the rim mounting location, glass shall be sandwiched between two steel plates that are separated from the glass by means of 1/16" thick gaskets. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboards shall meet all NCAA standards, be designated as the "Official 48" replacement backboard of the National High School Federation and shall carry a 20-year limited warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Board shall weigh 210#.

BA34 TruFlex™ Competition Breakaway Goal

Goal shall be constructed using 5/8" diameter steel ring with continuous wire netlocks. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular, and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The breakaway mechanism shall be of the positive lock design, factory preset. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened detent. Said ball/detent mechanism shall provide proper breakaway pressure. All pinch points shall be eliminated for player safety. All components shall be coated with an official orange powder coated finish. A white nylon net shall be provided. Goal shall carry a 1-year limited warranty, be manufactured in the USA and meet all NCAA and National High School Federation standards and weighs 23#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 240#.

OFX423180-XX Gym Upgrade Package:

BA42XL Unbreakable Competition Short Glass Backboard (72" x 42")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for the industry standard 36" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA standards, be designated as the "Official 42" Glass Backboard of the National High School Federation and carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 200#.

Bison Baseline™ BA3180S and BA3180T (180° Breakaway Goal)

Goal shall be designed and constructed so that when downward pressure exceeding the release pressure setting is applied at any location within 90° either to the left or to the right of the point on the ring farthest from the backboard, the entire ring assembly will pivot downward. The release pressure setting shall be field adjustable and be designed with a detent style positive lock mechanism so that the ring cannot be released until the setting pressure is exceeded.

Ring shall be constructed of 5/8" diameter carbon steel. Tubular segments shall be spaced and welded a full 360° around the lower surface of the 5/8" ring to allow the goal net to be securely attached without fasteners by means of a single nylon cord. All steel components that come in contact with other steel components during release of the ring assembly shall be heat treated to a minimum depth of 0.020" and hardness of 50 on the Rockwell "C" scale.

Goal shall meet all applicable NCAA, FIBA and National High School Federation rules including NCAA Men's Division I rule regarding rebound elasticity testing.

Release mechanism shall be isolated from player contact and pinch point risk by means of a steel cover plate.

BA3180S shall have a 5" wide x 4" high, 4-hole mounting pattern to facilitate attachment to all 72" x 42" high backboards. BA3180T shall have both a 5" x 4" and a 5" x 5" hole pattern to allow mounting to any brand of front mount backboard that is approved for official competition play.

All goals shall have an orange powder coat finish and include anti-whip nylon net, zinc plated grade 5 mounting hardware, two (2) net attachment cords and have a seven year limited warranty.

Goals without positive lock mechanisms, without 360° tubular style net attachment or that do not release at all points along the front 180° circumference of the ring shall not be considered equal.

Rim shall weigh approximately 39#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 295#.

OFX4235E-XX Gym Upgrade Package:

BA42XL Unbreakable Competition Short Glass Backboard (72" x 42")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for the industry standard 36" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA standards, be designated as the "Official 42" Glass Backboard of the National High School Federation and carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 200#.

BA35E Elite Competition Breakaway Goal

Goal shall be constructed using a 5/8" diameter high strength solid steel ring with continuous steel netlocks attached. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of the positive lock design, factory preset at the NCAA, FIBA and National High School Federation prescribed pressure release setting. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened steel detent. Said ball/detent mechanism shall provide proper breakaway pressure. The entire mechanism shall be totally enclosed by a foam padded safety coverplate. All pinch points shall be eliminated for player safety. The rim shall be lubricated by means of six grease fittings that provide lubricant to all moving parts. A grease gun and cartridge shall be provided. A white nylon anti-whip net shall be provided. Goal shall carry a 5-year limited warranty. Each goal shall be assigned a serial number. Goal shall be manufactured in the USA and meet all NCAA standards and be designated as the "Official Breakaway Goal of the National High School Federation." Weighs 25#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official gray, royal, navy, columbia blue, scarlet, orange, gold, kelly green, forest green, black, maroon, purple, vegas gold, cardinal, brown and burnt orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 237#.

OFX483180-XX Gym Upgrade Package:

BA48XL Unbreakable Competition Tall Glass Backboard (72" x 48")

Backboard shall be constructed of 1/2" thick tempered glass with an official white shooter's square and border and shall have 5" x 5" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for common 42" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA and National High School Federation standards and carry an unconditional lifetime warranty. Frame shall be predrilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 230#.

Bison Baseline™ BA3180S and BA3180T (180° Breakaway Goal)

Goal shall be designed and constructed so that when downward pressure exceeding the release pressure setting is applied at any location within 90° either to the left or to the right of the point on the ring farthest from the backboard, the entire ring assembly will pivot downward. The release pressure setting shall be field adjustable and be designed with a detent style positive lock mechanism so that the ring cannot be released until the setting pressure is exceeded.

Ring shall be constructed of 5/8" diameter carbon steel. Tubular segments shall be spaced and welded a full 360° around the lower surface of the 5/8" ring to allow the goal net to be securely attached without fasteners by means of a single nylon cord.

All steel components that come in contact with other steel components during release of the ring assembly shall be heat treated to a minimum depth of 0.020" and hardness of 50 on the Rockwell "C" scale.

Goal shall meet all applicable NCAA, FIBA and National High School Federation rules including NCAA Men's Division I rule regarding rebound elasticity testing.

Release mechanism shall be isolated from player contact and pinch point risk by means of a steel cover plate.

BA3180S shall have a 5" wide x 4" high, 4-hole mounting pattern to facilitate attachment to all 72" x 42" high backboards. BA3180T shall have both a 5" x 4" and a 5" x 5" hole pattern to allow mounting to any brand of front mount backboard that is approved for official competition play.

All goals shall have an orange powder coat finish and include anti-whip nylon net, zinc plated grade 5 mounting hardware, two (2) net attachment cords and have a 7-year limited warranty.

Goals without positive lock mechanisms, without 360° tubular style net attachment or that do not release at all points along the front 180° circumference of the ring shall not be considered equal. Rim shall weigh approximately 39#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 285#

OFX4835E-XX Gym Upgrade Package:

BA48XL Unbreakable Competition Tall Glass Backboard (72" x 48")

Backboard shall be constructed of 1/2" thick tempered glass with an official white shooter's square and border and shall have 5" x 5" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for common 42" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA and National High School Federation standards and carry an unconditional lifetime warranty. Frame shall be predrilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 230#.

BA35E Elite Competition Breakaway Goal

Goal shall be constructed using a 5/8" diameter high strength solid steel ring with continuous steel netlocks attached. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be 1/4" x 1 1/2" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of the positive lock design, factory preset at the NCAA, FIBA and National High School Federation prescribed pressure release setting. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened steel detent. Said ball/detent mechanism shall provide proper breakaway pressure. The entire mechanism shall be totally enclosed by a foam padded safety coverplate. All pinch points shall be eliminated for player safety. The rim shall be lubricated by means of six grease fittings that provide lubricant to all moving parts. A grease gun and cartridge shall be provided. A white nylon anti-whip net shall be provided. Goal shall carry a 5-year limited warranty. Each goal shall be assigned a serial number. Goal shall be manufactured in the USA and meet all NCAA standards and be designated as the "Official Breakaway Goal of the National High School Federation." Weighs 25#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 275#.

ZipCrank™ Goal Height Adjuster

BA980 ZipCrank™ Goal Height Adjuster

Height adjuster frames shall be constructed of 1/8" thick steel tubing and shall slide on 1" solid round steel bars allowing for an infinite height adjustment range of 2 feet. The unit shall include a powder coated finish. The adjustable frame shall be manually driven by a 7/8" diameter acme threaded drive screw, thrust bearing, and a threaded block with grease fitting provided for adequate lubrication. Mounting holes provided shall be slotted to allow for leveling during installation. Adjustment can easily be made from the gym floor with provided crank handle. Height adjuster shall carry a 5-year limited warranty and weigh (BA980RS/RT) 175# or (BA980F) 115#.