



DRAPER®

GYMNASIUM EQUIPMENT

EZ Fold Basketball Backstops.....	2-9
EZ Fold Basketball Backboards and Goals.....	10-11
Backboard Height Adjusters.....	11
EZ Fold Backstop Accessories.....	12
Portable Basketball Systems/Height Adjusters.....	13
Wall Pads/Wall Pad Cutout.....	14
Graphic Wall Pads/Patriot Motorized Flag.....	15
Draper Gym Dividers.....	16-20
Mat Lifters.....	21

Volleyball Systems/Accessories.....	22-26
Physical Education Equipment.....	27
Outdoor Basketball Equipment.....	28-29
Football Goals and Accessories.....	30
Soccer Goals and Accessories.....	31
Outdoor Tennis, Volleyball and Tetherball Systems....	32
Park and Player Benches.....	33
Bike Racks and Bleachers.....	34

Draper will be there from the Planning Stage through Game Time...

Draper is committed to being your expert consultant for all gymnasium equipment.

- Draper offers the most complete and highest quality line of gymnasium equipment available, including basketball backstops, divider curtains, wall pads, volleyball systems, mat lifters and more. Draper offers all your gymnasium equipment needs from a single source—no need to deal with multiple manufacturers or suppliers.
- Draper's industry-leading product quality starts with the skill and commitment of our design and manufacturing staff and continues all the way through the life of your facility. Draper's quality is evidenced by the industry-leading advances that others have followed. Draper is so confident in our product quality that we offer the best warranties in the gymnasium equipment business.
- Draper and our network of dealers provide complete service from project infancy through installation and beyond.
- Let Draper or your local Draper dealer assist you with equipment selection, writing specifications and facility layout utilizing our Draper EZ-SPEC. With EZ-SPEC, we can instantly provide complete specifications, drawings, layout details, weights and point loads in an easy to use electronic format you can drop right into your project file. This powerful tool gives you information and details you need in planning our project.



Draper EZ Fold® Basketball Backstops *The First & Finest Basketball Backstops... Since 1955*

This tradition of innovation has continued for over 50 years, and today EZ Fold is the highest quality backstop on the market. For more information go to www.draperinc.com/go/WhyEZFold.htm

- First to design the single-stem, all-welded mainframe;
- First to use high-strength steel mechanical tubing instead of heavy pipe;
- The only one to offer a 25-year warranty. No other manufacturer offers you this protection.



State of the Art Manufacturing:

Draper employs high-tech manufacturing methods utilizing precision equipment like CNC controlled hi-definition plasma cutters, numerically controlled benders and robotic welders. All manual and robotic welding is done in precision jigs, and fixtures to insure proper fit and alignment. Draper's investment in this type of equipment insures accurate production and improves manufacturing efficiency.





Draper EZ Fold® Backstops— Built Tough To Last Longer!

Draper is one of the few basketball backstop manufacturers that provides a powder coat finish as standard. Draper provides either black or white finish at no extra charge. Powder coating provides one of the most durable and long-lasting finishes available. Powder coated surfaces are more resistant to chipping, scratching, fading and wearing than other finishes. The superior durability of powder coat means Draper backstops will arrive on-site with a much better appearance, virtually eliminating the need for the installer to touch-up or painting contractor to re-paint the backstops.

Powder coat produces a cleaner glossier looking finish. With powder coating, there are no runs, drips or sags. Powder coat's thicker finish also provides fewer appearance differences due to the base color of the material being coated. It is also much easier to control slight shade variations between manufacturing lots when compared to wet paint systems.

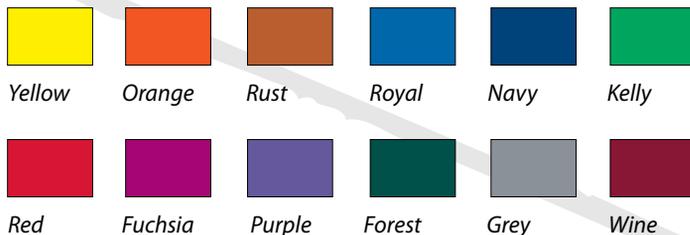
A wide variety of powder coat colors greatly enhance the aesthetics of gymnasium equipment. With nearly unlimited colors to choose from, Draper can provide virtually any color scheme. Contact Draper for a full line of over 160 available colors. Specify the school colors, pick a color to match the gym décor or choose a white backstop so it virtually disappears against white bar joist. White backstops are typically considered more attractive than black backstops when suspended from white or light colored roof support structures.

Powder coating is environmentally responsible. Powder coat does not contribute to air pollution or ozone depletion, because it does not contain solvents with volatile organic compounds (VOCs). Powder coat releases virtually no VOCs into the atmosphere. Most powder coat over-spray can be 100% recyclable or re-usable, eliminating waste going to the landfill or being released into the environment.

Dimensions, drawings and specifications at
www.draperinc.com/go/BBallBackstops.htm

Over 160 Colors Available!

Printed color may vary from actual finish. Color samples available upon request.



University of Arizona – Jefferson Gym, Tucson, AZ.
Architect: TMP/Breckenridge Group, Tucson, AZ.
Photography: Steven Meckler, Tucson, AZ.

Draper **EZ Fold**® Basketball Backstops

A

Stronger Overhead—Draper's strength starts from the top. We supply all 4" O.D. 11 gauge overhead superstructure with all spans greater than 10' including bridge trussing.



Independent testing shows that a 10' span of Draper's 4" overhead tube deflects up to 33% less than 3½" tube used by other manufacturers and 76% less when our standard bridge trussing is added.

B

Strength in the Pivot—Draper's backstop frame pivots on a 1¼" diameter solid steel shaft welded into the top of our T-Frame and secured in our ½" thick steel adjustable hanger. Each adjustable hanger allows for easy and precise leveling of the backstop and attaches to the superstructure with four ½", grade 5 bolts.



Draper T-Frame hangers have been independently tested and found to support in excess of 25,000 lbs. Load Safety Factor 57 to 1.

C

Beam Clamp—Draper's beam clamp provides at least 7 square inches of beam flange contact area and are secured with two all-thread bolts at each attachment point.



Draper's beam clamps have been tested to hold in excess of 25,900 lbs. Load Safety Factor 94 to 1.

*New Castle YMCA, New Castle, IN.
Architect: Architectural Alliance, Indianapolis, IN.
Photography: Wayne Williams, Indianapolis, IN.*

D

Precision Welding—All Draper welders have been tested and certified to meet the requirements of American Welding Society (AWS) D1.1 Structural Welding Code ensuring quality fabrication and structural integrity.



E

Custom Built for Your Gymnasium—Draper custom designs each backstop so the lateral sway braces intersect the main mast at approximately 54" above the goal (18" above the backboard) to ensure maximum rigidity. Draper does not use stock assemblies and simply make them fit your gym.



Calculations indicate that Draper T-Frames deflect 36% less than competitors' models with sway braces attached 72" above the goal.

F

UL Listed Winches—All Draper winches are listed by Underwriters Laboratories and feature a 1 HP motor, grooved drum, and cable tensioning system. Draper winches are protected by a five-year warranty to ensure years of trouble free operation.

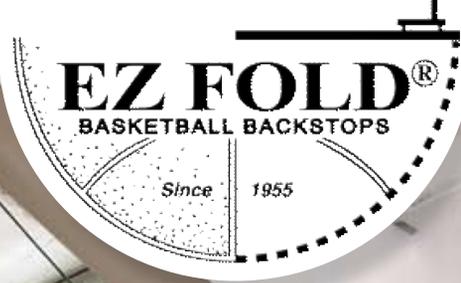


G

Posilok Safety Belt—Draper's safety belts outperform the competition. They are self-checking, automatically resetting and virtually fail-safe. They feature a ten-year warranty plus stronger belts and faster arrest times than safety belts used by competitors.



For more information on EZ Fold, go to:
www.draperinc.com/go/WhyEZFold.htm



G

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H

Goal Brace—Draper's goal brace connects the goal directly to the T-Frame, removing stress from the backboard and transferring it to the support structure. Use of a goal brace allows Draper to offer a lifetime warranty on any backboard.



I

Upper Bank Hanger—Draper's upper bank hanger is designed to keep the backboard plumb and level even with the goal removed. Our bank hanger extends the backboard to the same distance as our height adjuster allowing for easy addition of this feature after the initial installation.



H

Ceiling-Suspended, Forward-Folding Backstops

TF-20

- Front-braced, folds forward
- Fully-welded construction to attachment heights up to 28'4"
- Bolt-together construction above 28'4"
- Electric winch required for installations over 28'4"

Dimensions, drawings and specifications available:

www.draperinc.com/go/CeilingSusFwdFold.htm



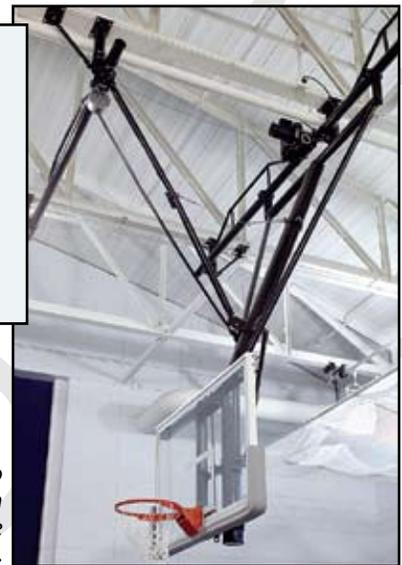
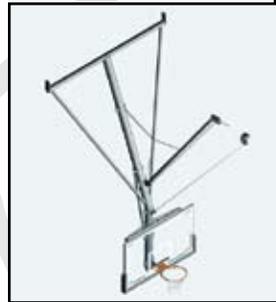
TF-20 Forward-Folding Backstops at University of Arizona, Jefferson Gym, Tucson, AZ. Architect: TMP/Breckenridge Group, Tucson, AZ. Photography: Steven Meckler, Tucson, AZ.

TF-20S

- Front-braced, folds forward
- Fully-welded construction to attachment heights up to 27'7"
- Bolt-together construction above 27'7"
- Bent stem, reduces space between pivot point and jackknife
- Electric winch required for installations over 27'7"

Dimensions, drawings and specifications available:

www.draperinc.com/go/CeilingSusFwdFold.htm



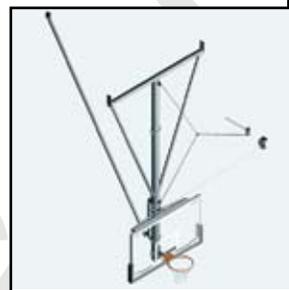
TF-20S Forward-Folding Backstops at Oswego (IL) East High School. Architect: Kluber, Skahan & Associates, Batavia, IL. Photography: Wayne Williams, Indianapolis, IN.

TF-20J

- Rear-braced, folds forward
- Fully-welded construction to attachment heights up to 28'4"
- Bolt-together construction above 28'4"
- Electric winch required for installations over 28'4"
- Features Draper's exclusive "hammer lock"
The hammer lock is a stem-weight actuated positive latch. Securely locks your backstop into playing position. Stem weight eliminates need for supplemental cable retractors or stretch cords.

Dimensions, drawings and specifications available:

www.draperinc.com/go/CeilingSusFwdFold.htm



TF-20J with bolt together construction, Centegra Health Bridge Fitness Center, Huntley, IL. Architect: PSA-Dewberry, Inc. Chicago, IL. Photography: Rich Sistos, Itasca, IL.

Ceiling-Suspended, Rear-Folding Backstops

TB-25

- Rear-braced, folds to back
- Fully-welded construction to attachment heights up to 28'4"
- Bolt-together construction above 28'4"
- Electric winch required for installations over 28'4"

Dimensions, drawings and specifications available:
www.draperinc.com/go/CeilingSusRearFold.htm



*TB-25 at Milpitas Sports Center, Milpitas, CA.
Architect: Grossman Design Group, San Francisco, CA.
Photography: Andrew McKinney, San Francisco, CA.*

TB-25S

- Rear-braced, folds to back
- Fully-welded construction to attachment heights up to 27'7"
- Bolt-together construction above 27'7"
- Bent stem reduces space between pivot point, jackknife
- Electric winch required for installations over 27'7"

Dimensions, drawings and specifications available at:
www.draperinc.com/go/CeilingSusRearFold.htm

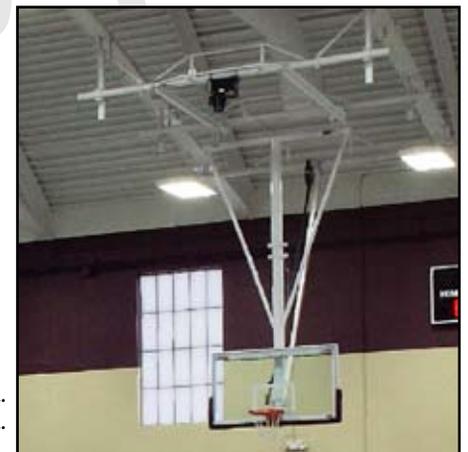


*TB-25S-B at Christian Academy of Indiana, New Albany, IN.
Architect: MECA Design Group, Greenwood, IN.
Photography: Wayne Williams, Indianapolis, IN.*

TB-25R

- Rear-braced, folds to back
- Fully-welded construction to attachment heights up to 28'4"
- Bolt-together construction above 28'4"
- Top of T-Frame mounted to heavy-duty trolley assemblies that roll on I-Beam tracks
- Top of T-Frame rolls forward as backstop folds back, which allows the use of rear folding backstops at locations closer to walls or other obstructions
- Electric winch required

Dimensions, drawings and specifications available at:
www.draperinc.com/go/CeilingSusRearFold.htm



*TB-25R at Wheaton Academy, West Chicago, IL.
Architect: Jaeger, Nickola & Associates, LTD, Park Ridge, IL.
Photography: Rich Sistos, Itasca, IL.*

Ceiling-Suspended, Side-Folding Backstops

TBS-26-B

- Bolt-together mainframe with single brace located back or front as required
- Side-braced, specify left or right side, folds toward side brace

Dimensions, drawings and specifications:

www.draperinc.com/go/CeilingSusSideDDS.htm



*EZ Fold TBS-26-B folds to the side and out of the way of other sports activities. West Ottawa High School, Holland, MI.
Architect: Design+, Grand Rapids, MI.
Photography: Wayne Williams, Indianapolis, IN.*

Ceiling-Suspended, Stationary Backstops

TS-21

- Rear- or front-braced, stationary
- Available with fully-welded construction to attachment heights up to 28'4"
- Bolt-together construction only above 28'4"

Dimensions, drawings and specifications available at:

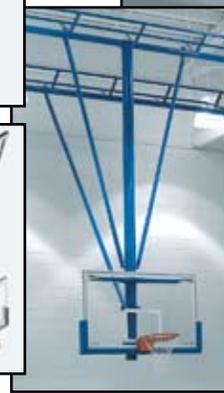
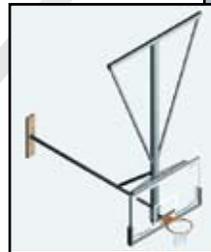
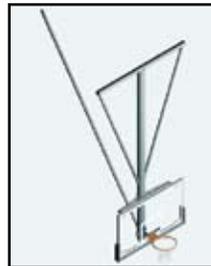
www.draperinc.com/go/CeilingSusSideDDS.htm

TS-22

- Horizontal back-braced to wall
- Available with fully-welded construction to attachment heights up to 28'4"
- Bolt-together construction only above 28'4"

Dimensions, drawings and specifications:

www.draperinc.com/go/CeilingSusSideDDS.htm



EZ Fold TS-21-B with front brace (above) and rear brace (left). Sulphur (LA) High School, 9th grade campus. Randall D. Broussard Architect LLC. Photography: © Barry Champagne, Houston, TX.

Ceiling-Suspended, Double-Drop Frame

Six models to meet any specification. Same quality construction and features as our T-Series in traditional H-Frame designs.

- **DDTF-20** Front-braced, folds forward
- **DDTF-20J** Rear-braced, folds forward
- **DDTB-25** Rear-braced, folds to back
- **DDTB-25C** Compact, rear-braced, folds to back
- **DDTS-21** Ceiling-braced, stationary
- **DDTS-22** Wall-braced, stationary

Dimensions, drawings and specifications:

www.draperinc.com/go/CeilingSusSideDDS.htm



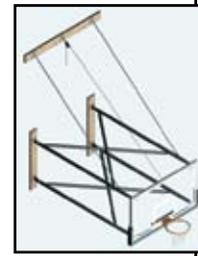
*DDTS-21 Ceiling-braced, Stationary Backstop at Owen County Family YMCA, Spencer, IN. Architect: MSKTD & Associates, Inc., Indianapolis, IN.
Photography: Wayne Williams, Indianapolis, IN.*

Wall-Mounted Backstops

DUW Up-Folding

- Folds upward to store nearly flat against wall
- Steel tubing framing system
- Two ¼" welded-link chains support unit in playing position
- Manual or electric winch operated

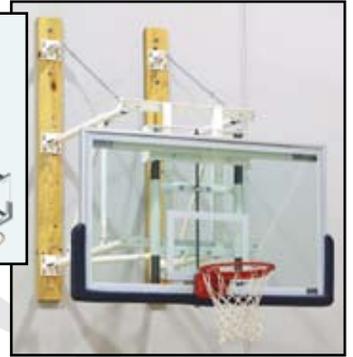
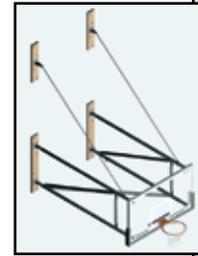
Dimensions, drawings and specifications:
www.draperinc.com/go/WallMounted.htm



DUW Up-Folding Backstop in folded position at Christian Academy of Indiana, New Albany, IN. Architect: MECA Design Group, Greenwood, IN. Photography: Wayne Williams, Indianapolis, IN.

DGW Side-Folding

- Folds to either side against wall
- Steel tubing framing system
- Telescopic diagonal brace provides locking device in play or stored positions
- Threaded pin releases diagonal locking brace



Centegra Health Bridge Fitness Center, Huntley, IL. Architect: PSA-Dewberry, Inc., Chicago, IL. Photography: Rich Sistos, Itasca, IL.

DGW-E Electric Side-Folding

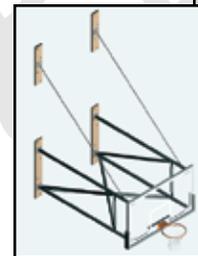
- Same quality design as DGW Side-Folding Wall Mounted backstop
- Electrically folds using a 115 volt linear actuator with integral limit switches.

Dimensions, drawings and specifications:
www.draperinc.com/go/WallMounted.htm

SW Stationary

- Steel tubing framing system
- For units over 3' from the wall or with a height adjuster, a pair of ¼" chain supports are added (shown at right)

Dimensions, drawings and specifications:
www.draperinc.com/go/WallMounted.htm

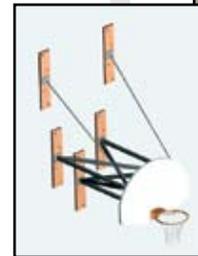


SW Stationary Backstop at Centennial Middle School, South Lyon, MI. Architect: Integrated Design Solutions, LLC, Troy, MI. Photography: Wayne Williams, Indianapolis, IN.

SWD Stationary

- Stationary wall mount
- Direct-mount goal brace

Dimensions, drawings and specifications:
www.draperinc.com/go/WallMounted.htm



SWD Stationary Backstop at Sulphur (LA) High School, 9th grade campus. Randall D. Broussard, Architect LLC. Photography: © Barry Champagne, Houston, TX.

CM Stationary Column Mounted

- Practical solution for side courts or shooting stations in metal buildings
- May be mounted to most straight or sloped columns with exposed flange
- For use with Fan Shaped Backboards only
- Available with or without Height Adjuster
- Draper recommends padding column to which CM is attached

Basketball Backboards

503136 Rectangular Glass 72" x 42"

503137 Rectangular Glass 54" x 40"

- Fully tempered ½" glass with official white target and border permanently fired into glass
- Frame constructed of extruded brushed aluminum
- Only for backstop structures with Goal Brace direct goal attachments

503138 EZ Strut Bank™ 72" x 42"

- Same features as 503136 with additional vertical strut to relieve stress on glass for slam dunks
- Goal is bolted to a plate welded to bottom of strut for maximum strength
- Only for backstop structures with four-corner backboard mounting

503139 Rectangular Glass Conversion 72" x 42"

- Replaces fan shaped backboards
- Same features as 503136 with all required conversion framework attached to backboard
- Incorporates a horizontal member which bolts to goal for maximum strength

503144 Rectangular Fiberglass 72" x 42"

- White backboard fabricated with double ⅜" shell over resin-treated honeycomb core
- Orange border and target applied with a high gloss gel coat
- Steel attachment T-nuts and goal attachment holes are through solid plastic blocks encased between the shells
- Both backboards designed for indoor or outdoor use

503140 Rectangular Wood 72" x 42"

- Finest wood backboard available
- 55 pcf density solid laminated wood core with eggshell white polyurethane face to resist abrasion
- Border, target markings part of laminate to prevent wear

503143 Fan Aluminum 54" x 36"

- White finish with orange border and target
- Lifetime Warranty

503148 Fan Fiberglass 54" x 39"

- Constructed of high quality resins and fiberglass for years of maintenance-free service
- Target and borders are applied with a high-gloss gel coat



503136



503144



503143



Limited Lifetime Warranty on all backboards incorporating the EZ Fold Goal Brace.

NOTE: 72" x 48" backboards are available for renovations and replacements.

Backboard Edge Padding

Draper recommends all rectangular backboards be fitted with edge padding to meet rule requirements. *Three styles to choose from:*

503264 1½" Wide Safe-edge Padding

503253 2" Wide Safe-edge Padding

- Grey, open cell foam material applied easily with high strength adhesive

5032xx* Bolt-on Padding

- Available in 12 colors
 - Bolts onto lower edges of backboard. It has a molded-in steel track and an **eight-year warranty** on indoor installations.
- *(xx - indicates color)*



Bolt-on Padding



Basketball Goals

503040 180° Breakaway Goal

- Consistent breakaway pressure during aggressive slam dunks
- Ring assembly floats on chromium ball bearings for smooth any-direction flexibility
- Tube-tie net attachment system allows easy net installation
- Pressure release mechanism is field adjustable



503576 Breakaway Goal

- Official breakaway goal withstands shock loads due to a player slam dunking
- Rim deflects down when a load of 230 lbs. is applied and returns to the playing position once the load is removed
- Shock absorbing, release/return mechanism fully concealed in protective cover



503581 Tube Tie Breakaway

- Adjustable tension breakaway goal with tube-tie net attachment system—virtually fail safe
- Rim deflects down when a load of 230 lbs. is applied, and returns to the playing position once the load is removed
- Adjustable shock absorbing, release/return mechanism is concealed within a fully protective cover

503570 Stationary Goal

- Official competition goal fits most backboards
- Rim is supported by $\frac{7}{16}$ " diameter steel rod welded to the rim and mounting plate



503572 Heavy-Duty Stationary Goal

- Same features as A0570 but with $\frac{5}{8}$ " dia. support brace to withstand up to 800 lbs.

All goals above meet NCAA and NFHS specifications. Includes hardware and net to fit 48" and 42" bank.

Dimensions, drawings and specifications:
www.draperinc.com/go/BasketballGoal.htm

Height Adjusters

Direct Mount 8'–10' Height Adjusters For Backboards

- For rectangular or fan-shaped backboards and goals
- Features a direct goal attachment
- All Draper backboards have a limited lifetime warranty when used with our height adjuster.
- Includes a self-adhesive height scale graduated in 1" increments and labeled at 6" intervals.

Dimensions, drawings and specifications available at:

www.draperinc.com/go/EZFoldAccessories.htm

Motorized Height Adjuster

- Electric linear actuator provides smooth reversible motion
- Linear actuator includes cam style limit switches that allow 24" of travel
- Linear actuator assembly is bolted in place and easily removed for conversion to manual operation

503093 Motorized, for rectangular bank. Operated with Key Switch or Smart Gym Touch Pad

503097 Motorized, for fan bank. Operated with Key Switch or Smart Gym Touch Pad

503095 Motorized, for rectangular bank with wireless remote control

503098 Motorized, for fan bank with wireless remote control

503096 Motorized, for rectangular bank with EZ Stick Power Wand

503099 Motorized, for fan bank with EZ Stick Power Wand

Manual Height Adjuster

Operated with a removable awning-style crank handle and actuated via a $\frac{3}{4}$ "–6 Acme threaded rod. Its actuator rod assembly bolts in place and can be removed for conversion to electric operation.

503092 Manual, for rectangular backboards

503094 Manual, for fan backboards



Motorized Height Adjuster can be raised and lowered to allow 24" of travel.



503003

Portable Height Adjuster Operator

A compact, cordless, reversible electric operator for use with the Manual Height Adjuster. Makes operation safe and easy.

Accessories and Controls

EZ PAD™ Master Equipment Controller

Raise and lower your basketball backstops, gym divider curtains and more with the EZ PAD™ from Draper! The EZ PAD™ eliminates the need for keys and can operate nearly an unlimited number of gymnasium components including basketball backstops, gym divider curtains, baseball batting cages, electric height adjusters and lights, PA systems, score boards etc. (not intended for bleachers).

- No keys to lose
- Save money on electrical work
- State-of-the-art, easy to operate
- For new installations or easy to retrofit
- Safer and more attractive than key switches
- Four digit code prevents unsupervised use



Smart Gym Control System

An alternative to a key switch, our electronic touch pad enables control of all Draper electrically operated gym equipment, **in excess of 1000 devices**. Provide power to or operates lighting, scoreboards and bleachers and virtually any other electrical device.

- **Safety First**—Only the keeper of the programmable four-digit security code can access the system
- **Save Money**—By decreasing number of lengthy wire and conduit runs. Smart Gym touch panel and relay panels operate on 24 volt current. System program allows for shared circuits
- **Save Time**—Run multiple devices simultaneously reducing set up time for gym classes or games
- **Simplicity at its Best**—Changing touch screen, user-friendly



503085 Motorized Winch

- No oil lubrication is required
- Operated by a one-horsepower direct drive, motorized winch
- Entire winch assembly is UL listed
- Delivers 1000 lbs. of vertical lifting and 1500 lbs. of horizontal line pull
- Holds backstop at any position when raising or lowering the backstop
- Automatic limit switches control the distance of travel in either direction
- Cable drum provides proper spooling and ensures excellent repeatability of stop positions
- Drum is equipped with a pressure roller with torsion spring tensioning. Ensures cable tracks in the grooves, even under slack cable conditions.
- A 3-position momentary key switch and cover plate is supplied with each motorized winch.



503060 EZ Power— Wireless Remote Control

Eliminate wall boxes and individual key switches. EZ Power Wireless Remote Control capable of operating up to 99 individual one horsepower electric motor winches.

- Operating range is approximately 100'
- Requires item **503061 99-station Transmitter**



503029 Posilok™ Safety Belt

Safety belts are recommended on all folding backstops, especially those suspended over bleachers or playing areas.

- The Posilok Safety Belt is self-checking, automatically resets and is virtually fail-safe
- Checks the speed of the rotating reel six times per revolution and will instantly lock if the speed exceeds the trip point of 1½' per second
- Cycle tested to 30 years of typical gymnasium usage with no significant wear or deterioration of the unit
- Maximum extension indicator and breakaway loop indicates if the Posilok Safety Belt has been tripped



503086 Manual Winch

- For ceiling heights under 28'4"
- The unit is virtually maintenance free
- Drum is equipped with a pressure roller with torsion spring tensioning to ensure cable tracks in grooves even under slack conditions
- The cable drum is helical grooved for ¼", 7 x 19 aircraft cable to provide proper spooling
- Gears and cable drum are enclosed by integral cover
- Operated with standard removable handle or **503049 Portable Operator**



503049 Portable Operator

- A compact, heavy-duty, reversible electric operator for use with manual winch **503086**
- Optionally available with **503048 50' Power Cord** and **503047 Portable Storage Case**

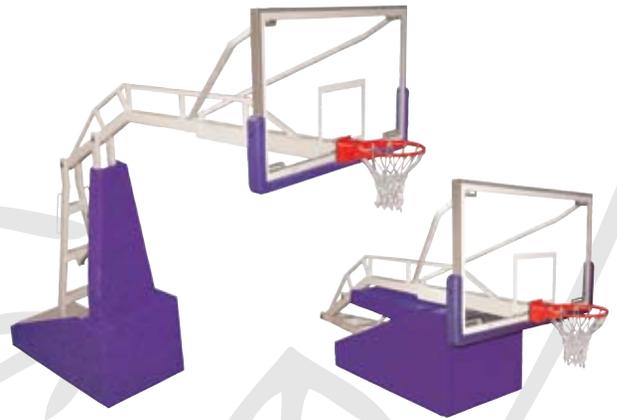


Dimensions, drawings and specifications available at:
www.draperinc.com/go/EZFoldAccessories.htm

Competition Portable System

503008 96" Extension Elite Competition Portable Backstop

Draper's Elite Competition Portable Backstop's heavy-duty trussed extension beam provides extreme rigidity and strength for high school and collegiate competition. Backstop features, official size 72" x 42" glass backboard, direct mount 180° breakaway goal, bolt-on backboard edge pad, base and boom padding and standard rear anchor to meet all NCAA and NFHS rules for competition. Low maintenance spring aided lifting mechanism and convenient handles allow for fast and easy one person set up and height adjustment. Goal height is adjustable from 8' to 10' in 6" increments. Stabilizing front foot pads adjust independently for leveling. Backstop has 1,200 lbs. ballast and is transported on integral 8" diameter non-marking, non-skid wheels.



Side-Court Portable System

503018 66" Extension Side-Court Portable Backstop

Side Court Portable Backstop has many of the same features as our Elite Competition Portable. Backstop has a 66" long, 4" tubular extension beam, 72" x 42" Glass Backboard, 180° Breakaway Goal, Bolt-On Edge Padding and base and boom pads provide the look and feel of a full competition backstop, but is designed for side-court use or areas where space is limited. Low maintenance spring aided lifting mechanism and convenient handles allow for fast and easy one person set up and height adjustment from 8' to 10' in 6" increments. Front foot pads adjust independently for leveling. Backstop has 800 lbs. ballast and 8" diameter non-marking, non-skid wheels. Rear Anchor Kit is optional.



Recreational Portable Backstop

503016 54" Extension Recreational Portable Backstop

The same quality features and attention to detail found in our larger portables are found in our smallest spring assisted portable backstop that is designed to fit small facilities. This backstop is ideal for use in recreation centers, practice courts, shooting stations, churches or anywhere a durable, lighter-duty portable backstop is desired. Backstop features a 54" long, 4" tubular extension beam, 54 x 42" Glass Backboard, Breakaway Goal, Bolt-On Edge Padding and base and boom pads. Low maintenance spring aided lifting mechanism and convenient handles allow for fast and easy one person set up and height adjustment from 8' to 10' in 6" increments. Front foot pads adjust independently for leveling. Backstop has 800 lbs. ballast and 8" diameter non-marking, non-skid wheels. Rear Anchor Kit is Optional.



503010 Rear Anchor Kit

Rear Anchor kit for use on 503018 or 503016 portable backstops securely attaches backstop to the floor to eliminate any chance of tipping.

Dimensions, drawings and specifications available at:

www.draperinc.com/go/PortableBBall.htm

Wall Pads

All Draper Wall Pads meet or exceed the requirements of ASTM F 2440-04, Standard specification for indoor wall padding.



EcoVision Wall Pad Line

Only EcoVision pads by Draper provide heavy-duty protection for indoor impact areas like basketball courts, gymnasium areas, wrestling rooms, rehabilitation centers or any area where padding is needed while being manufactured with special materials to meet the stringent requirements for GREENGUARD Children and SchoolsSM certification. Draper is the first manufacturer to receive GREENGUARD Children and SchoolsSM Certification for gymnasium equipment. This means that our certified products meet the strictest off-gassing standards and contribute to a safer and healthier indoor environment for school age children. The EcoVisionTM line of wall pads is available with standard construction or Class A Flame retardant construction.

EcoVision Standard Wall Pads

Draper EcoVision pads consist of 7/16" urea-formaldehyde free oriented strand board backer and 2" thick, 75 ILD flexible urethane cushioning material bonded together then fully wrapped with flexible PVC and scrim laminate that features a leather grain emboss.

- Coverings come in a variety of colors.
- Draper will custom make pads in any shape or size, including those for columns, beams, doors and stage fronts.

EcoVision Class A Flame Retardant Wall Pads

Same features as standard EcoVision pad with the added benefit of flame resistance.

- Draper's EcoVision Class A flame retardant wall pads have been tested as a singular unit and given a "Class A" rating in accordance with ASTM-E84 and NFPA 255 test procedures.
- EcoVision Class A flame retardant wall pads meet the requirements of NFPA 286 – Standard methods of fire test for evaluation contribution of wall and ceiling interior finish to room fire growth.
- EcoVision Class A flame retardant wall pads use state of the art flame resistant polychloroprene latex, open cell foam cushioning material.

Standard Wall Pad Line

High quality wall pads to provide impact protection for indoor areas as needed.

- Draper standard pads bond impact absorbing foam to a 7/16" thick oriented strand board and then fully wraps the unit with attractive and durable 14 oz. vinyl-coated polyester covering, enhanced by a leather-like emboss pattern.
- Vinyl coverings come in a selection of 15 standard colors
- Large variety of foams available including standard 2" thick 75 ILD polyurethane foam or optional foams like 2" thick pad with a 6 lb. density (125 ILD) foam; a 1 1/2" thick polyurethane pad with a 3.5 lb. or 6 lb. density; a 1 1/4" thick polyethylene foam pad
- Half-inch fire rated plywood backer and Vonar[®] interlining, a flame retardant material available. (Vonar[®] is a registered trademark of Dupont.)
- Draper will custom make pads in any shape or size, including those for columns, beams, doors and stage fronts.



(Above) University of Kentucky Women's Gym, Lexington, KY.
Architect: Sherman Carter Barnhart, Lexington, KY.
Photography: Kenneth Hayden, Louisville, KY.
(Right) Aurora Christian Schools, Aurora, IL.
Architect: Aspen Group, Frankfort, IL.



Class A Flame Retardant Wall Pads

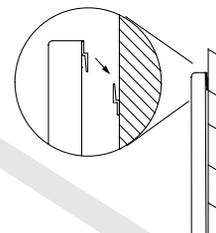
Same quality construction as our standard wall pad line manufactured with state of the art flame resistant polychloroprene latex, open cell foam cushioning material, rigid OSB backing and vinyl coated polyester covering enhanced by a leather-like emboss pattern.

- Draper's flame retardant wall pads have been tested as a singular unit and given a "Class A" rating in accordance with ASTM-E84 and NFPA 255 test procedures.
- Class A flame retardant wall pads meet the requirements of NFPA 286 Standard methods of fire test for evaluation contribution of wall and ceiling interior finish to room fire growth.

All standard Wall Pads include a 1" lip on the top and bottom for easy installation over finished or unfinished walls. Or specify one of the following:

Mounting options available:

- "Z"—Clips at the top and bottom for wall mounting pads. Edges of pad are flush with the wood backer. Eliminates 1" lip
- "Z"—Clip at top and 1" nailing strip at the bottom
- Channel System: channel attaches to wall clips; trims out top and bottom lip; remove single pads as needed for repair



Dimensions, drawings, specifications and color selections available: www.draperinc.com/go/WallPad.htm

Graphic Wall Pads

Print your mascot, full-color photo, sponsor's advertising, or any art you choose on your wall of pads. Any size is possible.

- Large format digital image reproduction
- Printed in 4-color process
- Images are not silk-screened or made with vinyl tape
- Art is sharp and clear from any distance

Images are printed on 14 oz. vinyl coated polyester with a leather-like emboss so it perfectly matches adjacent non-graphic pads. Over 1000 images to choose from or submit your own ideas. All designs are sent to the client for final approval prior to printing.

Contact Draper for details or go to:

www.draperinc.com/go/GraphicWallPad.htm



Wheelersburg K-12 School, Wheelersburg, OH. Architect: Tanner Stone & Co., Portsmouth, OH. Photography: Javier Jarrin, Cincinnati, OH.



Harris Elementary School, Greenfield, IN. Photography: Wayne Williams, Indianapolis, IN.

Wall Pad Cut-Out Trim Kit

Draper Wall Pad Cut-Out Trim Kit provides a neat and clean answer to accessing receptacles and switches. Simply make the necessary field cut-out then insert and staple the molded rubber trim kit. Manufactured from fire-resistant molded rubber and sized to accommodate any wall pad with the standard 2⁷/₁₆" thickness. Wall Pad Cut-Out Trim Kits are available in gray or black and in two sizes—3" x 5" for single switches or receptacles or 7" x 7" for double gang electrical boxes and standard sized fire alarms.



**NEW
SIZE**

- 504690** Gray, single switch,
- 504691** Black, single switch,
- 504700** Gray, double switch,
- 504701** Black, double switch

Patriot Motorized Flag

This unique gym equipment product makes a dramatic presentation of the United States flag in any gymnasium. "Old Glory" appears at the touch of a switch or wireless transmitter. Standard product includes a sewn, nylon flag. Options include state flags or school banners, provided by customer.

The Patriot can display a flag either vertically or horizontally. Flag measures 12' x 18' with both mountings. The vertical or banner flag is housed in a 14'10" case, and the horizontal flag is housed in a 20'10" case.



(Above) Close-up of flag mounting and case (right).



Patriot Motorized flag at Knightstown High School (IN). Architect: R.W. Clinton & Associates, Inc., Richmond, IN. Photography: Wayne Williams, Indianapolis, IN.

Gym Dividers

Draper gym dividers are constructed of the highest quality reinforced vinyl. Select a vinyl-coated polyester mesh to facilitate air flow, a tough solid vinyl to provide a visual barrier between play areas or a combination of mesh on top and solid on the bottom. (See physical descriptions below.)

- Draper 18 oz. divider curtain vinyl and divider curtain mesh are certified by GREENGUARD® to meet the requirements for GREENGUARD Children & SchoolsSM, the most stringent and strictest off-gassing standards. GREENGUARD Children & Schools standard evaluates the sensitive nature of school populations combined with the unique building characteristics found in schools, and presents the most rigorous product emission standards. GREENGUARD Children & Schools certified products are low emitting and contribute to a safe and healthier indoor environment for school-aged children.
- All hardware is heavy-gauge stampings or of welded construction
- All seams are electronically welded with a 1" full contact weld
- Available in a wide variety of vinyl and mesh colors



University of Arizona – Jefferson Gym, Tucson, AZ.
Architect: TMP/Breckenridge Group, Tucson, AZ.
Photography: Steven Meckler, Tucson, AZ.

Gym Divider Vinyl and Mesh Specifications

- **General:** Solid fabric is a durable vinyl-coated polyester. Mesh fabrics are vinyl-coated polyester mesh woven from .025 yarn in a one-over-one weave pattern. The yarn is composed of 80% pigmented vinyl and 20%, 840 denier polyester.
- **Weight:** Solid fabrics average 18 oz. (optionally available: avg. 22 oz. per sq. yard). Mesh averages 9.0 oz. per sq. yard
- **Resistance to Rot & Mildew:** Excellent
- **Ultraviolet Resistance:** Excellent
- **Flammability:** Rated as self extinguishing by the California State Fire Code (solid: f-31.5 and f-140; mesh: f-230) and Class A Rated in accordance with requirements of NFPA-101

Curtain Lok™ Divider Curtain Safety Device

Draper's innovative independent safety device locks drive shaft operated curtains. Based on the same technology as our Posilok Safety Strap (see page 10), the Curtain Lok is directly speed sensitive and instantly locks the curtain drive shaft whenever the speed exceeds 1½' per second.



- The mechanism is not direction sensitive
- The Curtain Lok is compatible with Draper Fold-Up, Roll-Up, Radius-Fold and Top-Roll Divider Curtains, as well as similar style curtains from other manufacturers

Dimensions, drawings, specifications and color selections:
www.draperinc.com/go/GymDivider.htm

Walk-Draw Gym Divider

A Walk-Draw gym divider is the most cost-effective way to divide floor space in a recreational facility. The idea is simple: suspend the vinyl curtain from an overhead track. While walking, pull the curtain into place, or pull it back into its compact storage area. Curtain always moves at operator's pace because ball bearing wheels ensure a smooth gliding action. Draper designs tracks to accommodate the shape and size of sports areas: box in a court with four curtains or radius the track to encircle the area.

Select a solid vinyl, a vinyl-coated mesh or a combination of both. Several solid vinyl colors are readily available.

- In the stacked position, the Walk-Draw requires only a 6" clearance on either side of the track's center line
- Total hanging weight is, on average ½ lb. per sq. ft.
- Stacking space is 1 1/8" per foot of divider
- Track supports do not exceed 8' on center



Hellstern Middle School, Springdale, AR. Architect: Wittenberg, Delony & Davidson Architects, Little Rock, AR.
Photography © Curtis Photographics, Memphis, TN.



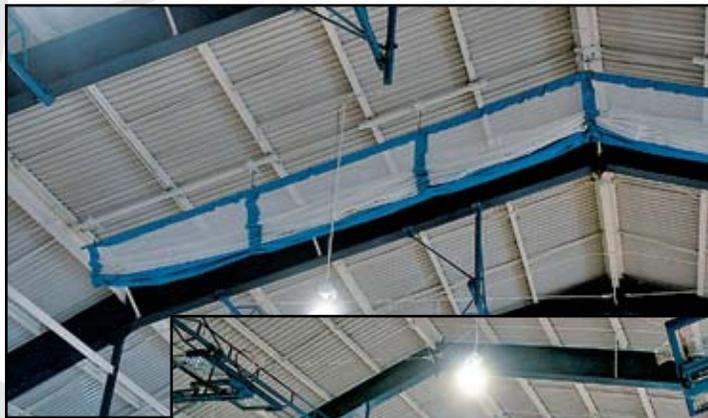
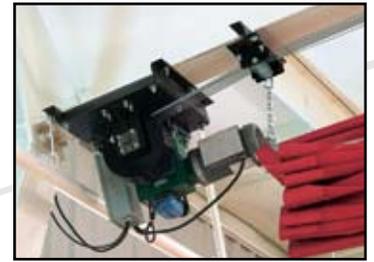
Dimensions, drawings and specifications available at:
www.draperinc.com/go/WalkDrawDivider.htm

Ridge-Fold Gym Divider

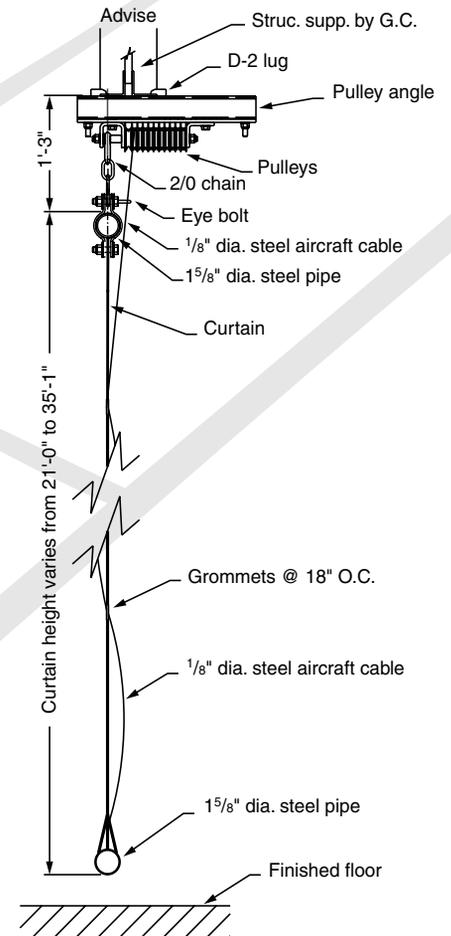
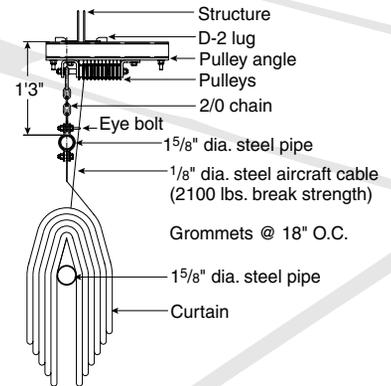
A Draper Ridge-Fold gym divider installs and folds up compactly along the slope of the roof. The accordion fold-up action is achieved by lift cables passing through grommets as the bottom tube is raised. If the roof of your building peaks in the center or to one side, then a Ridge-Fold is the gym divider for you. Tell us the height of the peak and eaves and desired curtain width.

- Only Draper uses hinged pipe in the top and bottom pockets, allowing curtain to follow contour of building.
- Simple to install. Hoist cables are pre-attached to the drums at the motor end: guide them to the appropriate pulley, lace down through the grommets and attach to concealed weights in the bottom pocket.
- Engineered for reliability. Outer edge hems are triple turned with double welds.

Each hoist cable terminates at an individual drum that is part of the C-Facemotor and winch system. The individual drums are sized in variable ratios, allowing the divider to contour to the roof structure.



Ridge-Fold Gym Dividers at Warwick Academy, Warwick, Bermuda. Architect: MBP Limited, Hamilton, Bermuda. Photography © Art Simons, Photographic Associates, Pembroke, Bermuda.



Dimensions, drawings and specifications available at:
www.draperinc.com/go/RidgeDivider.htm

Fold-Up Gym Divider

Choose Draper's Fold-Up gym divider for a reliable way to divide one area into two. Accordion fold-up action is accomplished by lift cables passing through grommets as the bottom tube is raised. It folds and unfolds without any horizontal cables, ropes or pulleys. It's engineered with heavy-gauge stampings or all-welded hardware.

Choose a Fold-Up gym divider made in either all solid vinyl, vinyl-coated polyester mesh or a combination of mesh on top and solid on bottom.

- Vertical seams
- Outer edge hems are triple turned with double welds
- Total hanging weight is, on average, ½ lb. per sq. ft.
- Stacking dimension is approximately 30'
- A Fold-Up divider can be made in virtually any size, but cannot be cutout for bleachers and doors
- A minimum of 6" of clearance is required between vertical edges and fixed objects, but we suggest you allow more space for walking around ends of divider

Dimensions, drawings and specifications:

www.draperinc.com/go/FoldUpDivider.htm

For maximum safety, specify Draper's Curtain Lok on Fold-Up or Radius-Fold gym divider. See page 16 for details.



Forekicks Sports Center, Marlborough, MA.
Architect: Falcon Associates Architects, Inc., Sharon, MI.
Photography: Daniel McQuaid, Marlborough, MA.

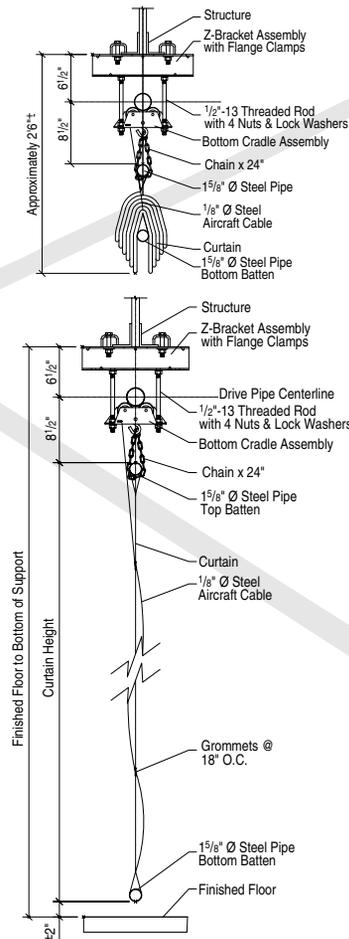
Radius-Fold Gym Divider

Draper's Radius-Fold gym divider solves the problem of separating a perimeter running track from the playing courts inside a field house or multi-purpose facility. Draper achieves a curve with a single piece of curtain by segmenting the drive pipe with double universal joints, while others use single universal joints. The accordion fold-up action is accomplished by lift cables passing through grommets as the bottom tube is raised.

- Folds/unfolds without horizontal cables, ropes or pulleys
- Curtain seams are vertical
- Outer edge hems are triple turned with double welds
- Total hanging weight is, on average, ½ pound per sq. ft.
- Minimum of 6" of clearance is required between vertical edges of adjoining curtains and fixed objects
- The stacking dimension is approximately 30"



Avon High School, Avon, IN.
Architect: Gibraltar Design, Indianapolis, IN.
Photography: Wayne Williams, Indianapolis, IN.



Dimensions, drawings and specifications available at:
www.draperinc.com/go/RadiusDivider.htm

Top-Roll Gym Divider

A Top-Roll gym divider is the ideal way to divide space in facilities with low ceiling heights. The curtain rolls neatly on the drive pipe so the stacking dimension is only 14".

Draper's clean design does not require belts, cables or complicated torsion arms to make our curtain operate. For curtains up to 100' wide, our Top-Roll uses a single 1 hp motor located on one end of the curtain, which simplifies the wiring diagram and saves money on the electrical wiring.

- Compare: Competitors use tubular motors at each end of the divider requiring electronic synchronizers and electrical service at each end!

All electrical connections are made at and stay at ceiling level.

- Compare: A competitor's center roll divider has motors in the middle of the curtain, requiring the electrical connections to travel as far down as half the height, an undesirable situation if the gym has a balcony or bleachers perpendicular to the ends of the curtain.

The motor is mounted externally allowing it to cool properly.

- Compare: Tubular motors, used by others, only allow one or two consecutive cycles before thermal overloads trip, meaning the user has to wait several minutes before running curtain again.

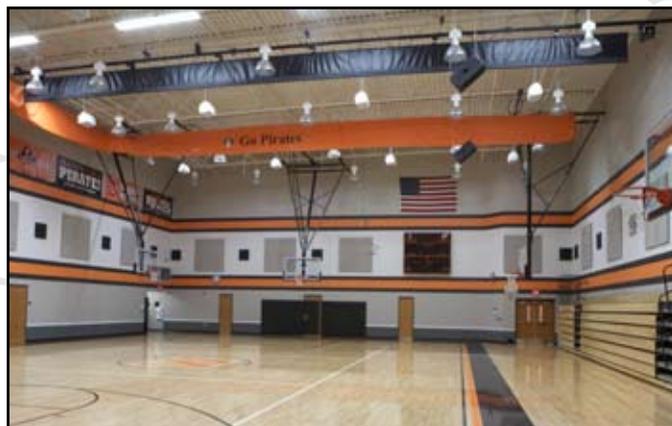
Solid vinyl available in 18 oz. weight, with all horizontal welds. Any combination of mesh and vinyl height available. Total hanging weight is, on average, ¾ lb. per sq. ft.

Outer edge hems are double turned and welded to prevent fraying.

- Compare: Other top-rolling and center-rolling dividers on the market have a raw cut edge that frays over time.

Dimensions, drawings and specifications available at:

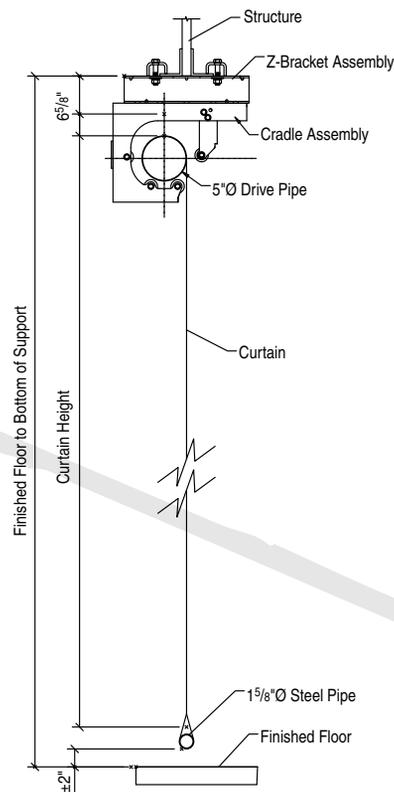
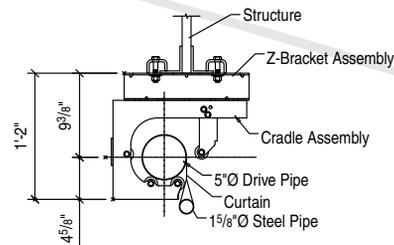
www.draperinc.com/go/TopRollDivider.htm



Wheelersburg K-12 School, Wheelersburg, OH.
Architect: Tanner Stone & Co., Portsmouth, OH.
Photography: Javier Jarrin, Cincinnati, OH.



At left: Electric winch provided with Fold-Up, Roll-Up, and Top-Roll gym dividers.



NEW FEATURE: Extra-wide carrier brackets with non-abrasive rollers.



Blue Water YMCA, Port Huron, MI.
Architect: TMP Associates, Inc., Bloomfield Hills, MI.
Photography: Jill Brososky, Jeff Bell Photography, Ft Wayne, IN.

For maximum safety, specify Draper's Curtain Lok on Top-Roll gym divider. See page 16 for details.

Roll-Up Gym Divider

A Roll-Up gym divider is a convenient and simple way to divide an area. The curtain hangs from overhead supporting steel structures. Easy to operate: just turn a key, and the curtain unrolls as needed or rolls up for storage.

The white polyester webbing belts that guide the roll-up action are flexible and cut straight and true to insure proper wrapping of the belt onto the drive pipe. These thin, yet very strong belts take up less space as they wind onto the drive pipe, putting less strain on the motor.

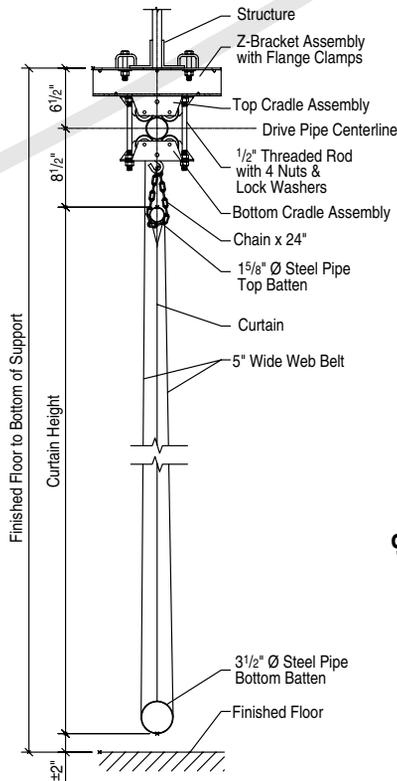
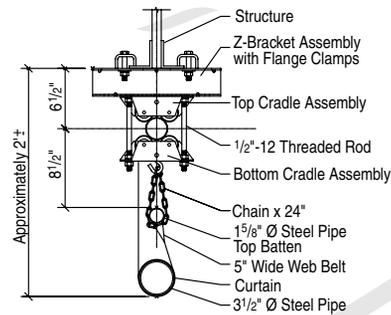
- All hardware is heavy-gauge stamping or welded construction
- Vinyl-coated polyester material is available in 18 oz. and 22 oz.
- Total hanging weight is, on average, ½ lb. per sq. ft.
- Seams run horizontally the full width of the curtain.
- The stacking dimension is approximately 2'.
- Needs minimum of 6" of clearance between vertical edges and fixed objects.

Dimensions, drawings and specifications available at:
www.draperinc.com/go/RollUpDivider.htm



University of Alabama, Student Recreation Center, Tuscaloosa, AL. Collegiate Citation Winner of Physical-Education Facilities/Recreation Centers, Education Interiors Show-case, American School & University magazine, August 2006. Architect: TMP Associates, Inc., Bloomfield Hills, MI. Photography © Curtis Photographics, Memphis, TN.

For maximum safety, specify Draper's Curtain Lok on Roll-Up gym divider. See page 16 for details.



Draper's Roll-Up gym divider has a 5-year warranty.

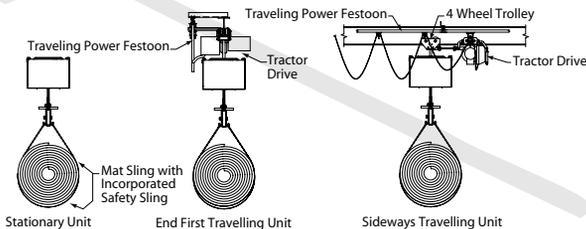
Mat Lifters

Store wrestling mats up off the floor with a Draper Mat Lifter. Three models: Single, Double or Sectional. Each Mat Lifter is constructed of a welded steel frame, with all drive and lifting mechanisms enclosed in a sheet metal housing.

- Stationary or traveling
- Raise and lower Mat Lifters with a key switch control. Limit switches control the range of motion
- Each Mat Lifter has a 210:1 ratio double reduction worm-worm gearbox attached to an instantly reversing 2 hp motor, operating with the choice of 208-, 230- or 460-volts in 3-phase. Includes a 6 lb./ft. electric safety brake.
- Lifting drums are synchronized for even cable wrap
- 1⁷/₁₆" diameter cold-finished steel drive shaft
- The two steel lift cables are 5⁵/₁₆" 6-strand, with 37 wires per strand and a fiber core. Cables are rated at 1704 lbs. each at a 5-to-1 safety factor.
- Standard sling color is black; other colors are available
- Continuous straps wrap completely around mat to stop mat from falling should fabric sling become torn. For safety purposes, the sling capacity governs the lift capacity of the system.
- Mat Lifters weight approximately 2000 lbs.

502020 Single Mat Lifter

- Lifting, lowering speed is approximately 10 ft. per minute
- Cables attached to a load bar connected to a fabric sling
- Supports a standard 45' x 45' wrestling mat (weighing approximately 1 lb./sq. ft.) with a 5-to-1 safety ratio.



Wall-mounted Single Mat Lifter at Tippecanoe High School, Tipp City, OH. Architect: Fanning-Howey Associates, Inc., Celina, OH. Photography: Wayne Williams, Indianapolis, IN.

Dimensions, drawings and specifications available at:
www.draperinc.com/go/MatLifter.htm

502021 Double Mat Lifter

- Lifting and lowering speed is approximately 5 ft. per minute
- Cables are attached to welded frame and pass through sheave blocks attached to the load bar connected to fabric slings
- Supports two 42' x 42' wrestling mats (weighing approximately 1 lb./sq. ft.) with a 5-to-1 safety ratio



Stationary Double Mat Lifter at Evans Brandt Central Schools, Angola, NY. Architect: Mach Architecture, Buffalo, NY. Photography © Michael Cieurzynski, Lancaster, NY.

502019 Sectional Mat Lifter

- Lifting and lowering speed is approximately 10 ft. per minute
- Supports three 15' x 45' wrestling mats (weighing approximately 1 lb./sq. ft.) with a 5-to-1 safety ratio



Sectional Mat Lifter with Sideways Traveling Kit, Hartland (MI) High School. Architect: Kingscott Associates, Inc. Photography: Wayne Williams, Indianapolis, IN.

Traveling Kits

Move your mat from balcony or adjoining storage area to gym floor with a Traveling Kit. Mat travels at ceiling height, either end first or sideways and then lowers to the floor.

- Driven by 1/2 hp motor operating with choice of 208-, 230- or 460-volts in 3-phase attached to a 60:1 ratio gear box with non-pneumatic wheel(s)
- The End First Travel Kit has two 1-ton machined trolleys with festooning power cables
- Sideways Travel Kit has four half-ton machined trolleys with festooning power cables
- Motors, drive assembly and all control mechanisms are encased in a fireproof cover

Elite Volleyball System (EVS)



New Castle YMCA, New Castle, IN.
Architect: Architectural Alliance, Inc., Indianapolis, IN.
Photography: Wayne Williams, Indianapolis, IN.

EVS incorporates an internal spring assist mechanism to allow for easy, precise and infinite height adjustment.

The EVS Elite Volleyball System is Draper's top of the line volleyball system designed for today's premier volleyball programs. EVS incorporates an internal spring assist mechanism to allow for easy, precise and infinite height adjustment. EVS easily locks in place with a pressure lock hand knob and post is clearly marked at normal competition heights.

Each EVS post has a 6' lower section constructed of 3 1/2" diameter schedule 80 aluminum tubing, an upper section made of 2 7/8" O.D. aluminum tubing with .300" wall thickness. Each upright features an adjustable rubber foot for fine adjustments and protection of your court. Winch features a folding handle to provide maximum player safety.

New Option!

Now available with Flex-Net™ cable and tie-off free net, see page 26.

Consider these EVS features:

- Meets all NFHS, USA Volleyball, NCAA and FIVB requirements for competition equipment
- Infinite height adjustment from 6' to 8'4"
- High maneuverability—Lightweight and easy to handle
- Attractive anodized aluminum finish
- Secure cast-in-place 3 1/2" I.D. floor sleeves with choice of flush cover plates provide rigid support for life of installation
- Tensioning winch is a heavy-duty, self locking, worm gear mechanism. A heavy 2" wide, high tensile strength, nylon strap with heavy-duty hook eliminates the possibility of hooks breaking and guarantees safe connection to the net-top cable
- Easy storage—Can be hung on a wall with hooks, stored on optional transporter or tucked away in a closet
- Heavy-duty construction. Built for years of trouble-free service and intense use

500041 Single Court System

Telescopic Standards—One pair of uprights. A power winch is located on the outside of one post. Second upright is equipped with an adjustable cable anchor collar.

500004 Power Volleyball Net—One each

500005 Rope Tensioner—One each

500016 Combination Antenna/Boundary Markers—One pair

500042 Two Court System

Telescopic Standards—Three uprights. Power winch is located on outside of two posts. Center upright is equipped with double top pulleys and adjustable cable anchor collar for attaching two nets.

500004 Power Volleyball Net—Two each

500005 Rope Tensioner—Two each

500016 Combination Antenna/Boundary Markers—Two pair

Dimensions, drawings, specifications available:
www.draperinc.com/go/VolleyEVS.htm

Power Volleyball System (PVS)



Blue Water YMCA, Port Huron, MI.
Architect: TMP Associates, Inc., Bloomfield Hills, MI.
Photography: Jill Brososky, Jeff Bell Photography, Ft Wayne, IN.

Every Draper PVS is equipped with a power-tensioning winch. The handle folds flush for player safety.

The all-aluminum PVS floor-sleeve type volleyball system is engineered for a lifetime of hard use.

Each post is manufactured with high-strength 3½" O.D. aluminum. Height adjustment, from 6'1" to 8'4" in one inch increments, uses precise mechanical pin adjustment.

Each upright is equipped with an adjustable protective rubber bumper for fine adjustments. Power winch has a folding handle to insure player safety.

Consider these PVS features:

- Meets all NFHS, USA Volleyball, NCAA and FIVB requirements for competition equipment.
- Adjusts to all competition heights
- Clear anodized finish for professional looking appearance
- High maneuverability—lightweight and easy to handle

- Easy setup—requires only one person just a few minutes
- Secure cast-in-place 3½" I.D. floor sleeves with choice of flush cover plates provide rigid support for life of the installation
- Tensioning winch is a heavy-duty, self-locking worm gear mechanism. A heavy 2" wide, high-tensile strength, nylon strap with heavy-duty snap guarantees safe connection to the net top cable
- Easy storage—can be hung on wall hooks, secured with vertical storage brackets, stored on transporter/storage cart or tucked away in a closet
- Heavy-duty construction. Built for years of trouble-free service and rough use

New Option!
Now available with
Flex-Net™ cable and
tie-off free net,
see page 26.

500001 Single Court System Telescoping Aluminum Standards—One pair of uprights. A power winch is located on the outside of one post. Second upright is equipped with an adjustable cable anchor collar.

500004 Power Volleyball Net—One each
500005 Rope Tensioner—One each
500016 Combination Antenna/Boundary Markers—One pair

500002 Two Court System Telescoping Aluminum Standards—Three uprights. A power winch is located on the outside of two posts. Center upright is equipped with double top pulleys and adjustable cable anchor collar to attach two nets.

500004 Power Volleyball Net—Two each
500005 Rope Tensioner—Two each
500016 Combination Antenna/Boundary Markers—Two pair

Dimensions, drawings and specifications available:
www.draperinc.com/go/VolleyPVS.htm

Competition Volleyball System (CVS)



New Option!

Now available with Flex-Net™ cable and tie-off free net, see page 26.

Architect: Architectural Alliance, Inc., Indianapolis, IN.
Photography: Tony Frederick, Muncie, IN.

The versatile CVS Volleyball System can be adjusted to heights for volleyball, badminton, tennis, and other net games.

CVS Competition Volleyball System incorporates all of the top quality features of our high end system with additional versatility. The all-aluminum CVS floor-sleeve type system adjusts to all competition heights for tennis, badminton and volleyball or anywhere in between.

Consider these CVS features:

- Meets all NFHS, USA Volleyball and NCAA requirements for competition equipment
- Infinite net height adjustment from tennis to men's volleyball
- Clear anodized finish
- Secure cast-in-place 3½" I.D. floor sleeves with choice of flush cover plates provide rigid support for life of installation
- Easy storage—can be hung on wall hooks, secured with vertical storage brackets, stored on transporter/storage cart or tucked in a closet
- Heavy-duty construction. Built for years of trouble-free service and rough use

500010 Single Court System

Fixed Length Aluminum Standards—One pair of uprights. A power winch is located on the inside of one post. The second upright is equipped with an adjustable cable anchor collar.

500014 Competition Volleyball Net—One each

500005 Rope Tensioner—One each

500016 Combination Antenna/Boundary Markers—One pair

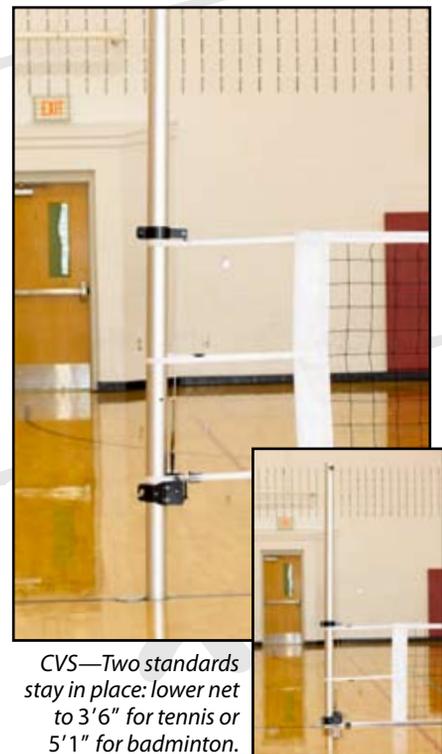
500011 Two Court System

Fixed Length Aluminum Standards—Three uprights. Power winch is located on inside of two posts. Center up-right is equipped with double top pulleys and adjustable cable anchor collar for attaching two nets.

500014 Competition Volleyball Net—Two each

500005 Rope Tensioner—Two each

500016 Combination Antenna/Boundary Markers—Two pair



CVS—Two standards stay in place: lower net to 3'6" for tennis or 5'1" for badminton.

Dimensions, drawings, specifications available:
www.draperinc.com/go/VolleyCVS.htm

Steel Volleyball System (SVS)



Draper SVS at Spiceland Friends Church, Spiceland, IN.
Photography: Wayne Williams, Indianapolis, IN.

SVS features height adjustment from 6'1" to 8'4" in precise one inch increments.

SVS Steel Volleyball System incorporates all of the quality features of our PVS Volleyball System with telescopic steel posts. The Draper SVS is designed for programs on a budget or ones that prefer the rigidity of a steel post. Stiff steel post allows the user to rapidly obtain the desired net tension. Each post has a 6' lower section constructed of 3 1/2" diameter 11 gauge steel tubing, an upper section made of 2 7/8" O.D. aluminum tube with .300" wall thickness and a large nylon bushing to insure smooth operation. Height adjustable from 6'1" to 8'4" in one inch increments with precise mechanical pin adjustment. Each upright features an adjustable rubber foot to allow for exact height adjustment and to protect your floor. Winch features a folding handle to provide maximum player safety.

New Option!
Now available with
Flex-Net™ cable and
tie-off free net,
see page 26.

Consider these SVS features:

- Meets all NFHS, USA Volleyball, NCAA and FIVB requirements for competition equipment
- Adjusts to all competition heights
- Durable High-Gloss Black Powder Coat finish
- Secure cast-in-place 3 1/2" I.D. floor sleeves with flush cover plates provide rigid support—for the life of the installation
- Tensioning winch is a heavy-duty, self-locking wormgear mechanism. A heavy 2" wide, high tensile strength, nylon strap with heavy-duty snap hook eliminates the possibility of hooks breaking and guarantees safe connection to the net-top cable.
- Easy storage—can be hung on a wall with hooks, stored on optional transporter or tucked away in a closet
- Heavy-duty construction—built for years of trouble-free service and rough use

500021 Single Court System

Telescopic Standards – One pair of uprights. A power winch is located on the outside of one post. Second upright is equipped with an adjustable cable anchor collar.

- 500004 Power Volleyball Net—One each
- 500005 Rope Tensioner—One each
- 500016 Combination Antenna/Boundary Markers—One pair

500022 Two Court System

Telescopic Standards—Three uprights. A power winch is located on the outside of two posts. Center upright is equipped with double top pulleys and an adjustable cable anchor collar to attach two nets.

- 500004 Power Volleyball Net—Two each
- 500005 Rope Tensioner—Two each
- 500016 Combination Antenna/Boundary Markers—Two pair

Dimensions, drawings, specifications available:
www.draperinc.com/go/VolleySVS.htm

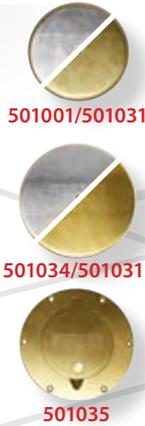
Volleyball Accessories

Floor Plates

Floor plates in chrome or brass with secured covers and removal key. Protects floor sleeves and mounts flush with all types of flooring materials. May be combined with any floor sleeve below.

Floor Plates:

- 501001** 5" Chrome Plated Cover Plate Assembly
- 501034** 8" Chrome Plated Cover Plate Assembly
- 501031** 5" Brass Plated Cover Plate Assembly
- 501033** 8" Brass Plated Cover Plate Assembly
- 501035** Locking Brass Cover Plate Assembly



Floor Sleeves

Cast-in-place floor sleeve rigidly secures standards and is adaptable for new construction retrofit on existing floors. Steel mechanical tubing. Square plate welded to bottom provides secure footing in concrete.

Floor Sleeves:	I.D.	Depth
501006	3½"	8½"
501008	2¾"	8¼"
501009	3"	8¼"
501010	4"	12¼"



501016 Transporter/Storage Cart

Heavy-duty transporter is designed to store six posts, nets, one judges stand, padding for standards, accessories and numerous volleyballs in the storage pouch. Rolls easily on non-marking swivel casters. finished in attractive gloss black powder coat. Provided with dark blue vinyl storage pouch and bottom shelf.



5013xx* Judges Stand with Protective Padding

Official's platform constructed of 1½", square tubing uses quick-lock pin attachment to collar on post and rolls on non-marking wheels. Supplied with protective padding, dark blue standard. **Last two digits indicate pad color.*

5014xx* Free-standing Judges Stand with Protective Padding

Designed for easy set-up and transportation. Judges stand folds nearly flat for easy storage and features 4" non-marking wheels for easy transportation. Sturdy four legged design made with 1½/16" steel tube legs with a tough, gloss black powder coat finish and rubber tips on each leg. Padded platform is 48" above the floor. Judges stand provided with heavy-duty polyurethane pads with vinyl wrap that is available in fifteen colors. **Last two digits indicate pad color.*



5011xx* Protective Pads for Volleyball Standards

Upright pads for standards provide maximum player protection. Our 6' high pads are constructed of 1½" thick, cross-linked polyethylene foam filler covered with polyester reinforced vinyl fabric. Each pad consists of two vertical sections that attach with hook and loop fasteners for a quick, easy setup. Each section is hinged at the corners to fold neatly around posts and tensioning winch. Protective Pads work equally well when used with a Judges Stand or Center Standard Kit. Dark blue is standard, other colors available. **Last two digits indicate pad color.*



Center Standard Kits

Center Standard Kit for multiple court use in conjunction with any Draper Volleyball System. Same top quality features with double top sheaves for attaching two nets. Kit includes one center standard (**501024 EVS, 501013 PVS, 501021 CVS, 501023 SVS**), one winch with folding handle, one net (**500004**), one pair of Combination Antenna/Boundary Markers (**500016**). Post pad is optional.

500018 Flex Net Upgrade Kit

Upgrade your volleyball system to the Flex Net to spend time practicing, instead of setting up your net. The Flex Net has only two connecting points on each side by placing all tension on the heavy-duty woven nylon strap top and bottom bands to supply superb net tension and eliminate extra cables, straps and tie offs. Flex Net Upgrade Kit comes complete with Net and all necessary adaptor cables to fit Draper and most other volleyball systems.



Other Net Game Systems

Draper offers a full line of game systems that are not pictured:

- 500008** Portable Volleyball System 3½"
- 502100** Badminton Game System



Dimensions, drawings and specifications available at:
www.draperinc.com/go/VolleyAccessories.htm

Physical Education Equipment

Multi-Sport Practice Cages

Motor operated, a turn of the key will raise or lower the cage.

- Four sides and top of cage fitted with knotless nylon mesh golf netting (opening is $\frac{3}{4}$ " square). Now available with white or black netting (black shown).
- Two corners of the cage are sewn together, and two are secured using zippers, allowing one long sidewall to be raised
- Standard cage is 10' high x 12' wide x 70' long. Custom sizes available



Avon High School, Avon, IN.
Architect: Gibraltar Design, Indianapolis, IN.
Photography: Wayne Williams, Indianapolis, IN.

Dimensions, drawings and specifications available at:

www.draperinc.com/go/PhysicalEd.htm

Clock Guard

Draper Clock Guards prevent shattered glass in an activity area by shielding clock from flying sports equipment.

Draper makes a heavy-duty steel frame that fits over most standard size gym clocks. Constructed of $\frac{1}{4}$ " diameter, 16-gauge steel rods welded to a steel frame. All components are powder coated in a glossy black finish for years of indestructible protection for your clock. The frame mounts securely to the wall. No tools are needed to open or close the guard.



Gym Ladders and Bars

Draper offers gym ladders and bars: Stall Bar with Extended Top Rail, Adjustable Chinning Bar, Arm Ladder, Wall Mounted Horizontal Ladder, Deluxe Adjustable Wall Chinning Bar and Deluxe Arm Strengthening Bar. Stationary Chinning Bars are available in 40" single unit, 82" dual unit or 124" three unit Chinning Bar.

Dimensions, drawings and specifications available at:

www.draperinc.com/go/LadderBar.htm



Deluxe Arm Strengthening Bar



Deluxe Adjustable Wall Chinning Bar

Climbing Ropes

Draper offers climbing ropes in three different materials and a variety of ends, optional knots, rubber balls and accessories to improve muscle tone in the upper arms and shoulders. Standard lengths of rope are 18'. Custom lengths available.

Choose the material:

1. EZ Manila is $1\frac{1}{2}$ " rope twisted from 3 strands of Grade A manila.
2. EZ Rope looks and feels like natural rope but is a synthetic "unmanila" fiber. Even at $1\frac{1}{2}$ ", it is two-thirds the weight and is superior in strength to natural rope.
3. EZ Poly is $1\frac{1}{2}$ " polypro core covered with a soft, durable cotton-like polyester.

Choose optional climbing aids; specify quantity and desired location on rope:

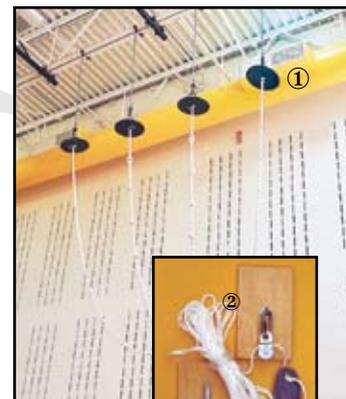
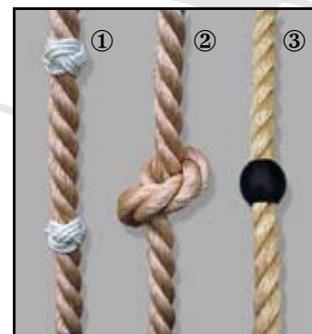
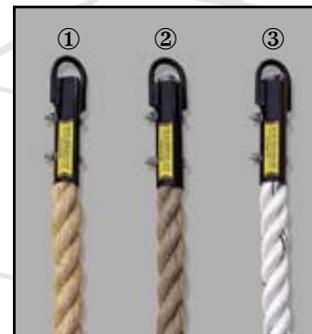
1. Woven knots spliced into the rope for assistance and rest areas.
2. Large tied knots used to form platforms for climbing assistance.
3. Rubber balls available only on EZ Manila and EZ Poly ropes.

Choose the end:

1. Whipped
2. Polyboot
3. Leather seat on a turk knot

Choose accessories:

1. **502004 Tambourine** clamps to any position on the rope to limit climbing distance.
2. **502005 Climbing Rope Hoist** to raise ropes to wall or ceiling after use for easy storage.
3. **502003 Adjustable Beam Clamp** with EZ-link to attach ropes to I-beams, bar joists and trusses.
4. **502014 Safety Cable** attachment. A backup safety device for all ropes. Cable loops over ceiling attachment and secures to the rope with a $1\frac{1}{4}$ " pipe clamp.



Note: Custom attachment clamps available. Contact your Draper dealer for details.

Outdoor Basketball Backstop Systems

Galvanized Post Sets

Post sets are constructed with heavy wall galvanized pipe and include a lug at the bottom to prevent rotation in footing. Goals bolt directly through backboard post to eliminate stress on backboard. Choose from backboards and goals listed at right.

Gooseneck Style Posts

- Pipe formed with an 18" to 24" radius.
- Available in 3½" OD with 3' or 4' extensions, 4½" OD with 4' or 5' extension or 5⅞" OD with 6' extension.



Gooseneck Style Post

Straight Style Posts

- Goal Height can be set from 0' to 10'.
- Available in 3½" OD with 3' extension, 4½" with 4' extension or 5⅞" OD with 6' extension.



Straight Style Post

Back-to-Back Style Posts

- Two extensions using a common center post.
- Available in 4½" OD with 4' extensions or 5⅞" OD with 6' extensions.

Heavy-Duty Fixed Height Posts

Direct bury post and 66" extension arm built from 6" square x ⅜" wall steel tubing. Extension arm attached with six ⅝" high tensile strength bolts.

Available with 72" x 42" acrylic backboard with breakaway goal or 72" x 42" steel backboard with super playground goal. Also available with two extension arms for back-to-back configurations using a common center post.



Heavy-Duty Fixed Height Posts

Heavy-Duty Back-to-Back Fixed Height Posts

Same premium construction and quality features as our Heavy-Duty Fixed Height Posts, except with a second extension arm, backboard and rim extending off opposite side.

Available with 72" x 42" acrylic backboard with breakaway goal or 72" x 42" steel backboard with super playground goal.

Optional **506982** 6" Square Post Pad and **506986** Backboard Edge Padding available for all Heavy-Duty Fixed Height Post Sets.



Heavy-Duty Back-to-Back Fixed Height Posts

Basketball Backboards

- 503148** Fan Fiberglass 54" x 39"
- 503042** Fan Aluminum Backboard — Natural
- 503143** Fan Aluminum Backboard with markings
- 503033** Perforated Steel 72" x 42"
- 503035** Polycarbonate Backboard 54" x 42"
- 503034** Polycarbonate Backboard 72" x 42"



503148



503143

Outdoor Backboard Padding

Outdoor backboard padding. Molded urethane construction. Padding secures to backboard with self-drilling screws. Fits most 48"-72" wide backboards.

- 506989** 48" padding
- 506988** 54" padding
- 506987** 60" padding
- 506986** 72" padding



Basketball Goals

- 503570** Stationary Goal
- 503572** Heavy-Duty Stationary Goal
- 503575** Double Rim Goal with Nylon Net
- 503579** Double Rim Goal with Chain Net
- 503078** Super Playground Goal with Nylon Net
- 503077** Super Playground Goal with Premium Chain Net
- 503079** Outdoor Breakaway Goal



503579



503077



503079



503078

Post Padding

Premium pole pad for outdoor posts. Foam pad (1½"-2" thick) with sewn black vinyl cover. All-weather. Pole pad is 66" tall.

- 506982** Heavy-Duty (6" square) Post Pad — Velcro attached
- 506984** Lace & Grommet Pad for 3½" to 4½" round
- 506985** Lace & Grommet Pad for 5⅞" round



Dimensions, drawings and specifications available at: www.draperinc.com/go/OutdoorBBall.htm

Outdoor Basketball Backstop Systems

506993 Titan Adjustable Post Set

Titan's 6" square, $\frac{3}{16}$ " thick post and heavy-duty, dual strut extension arm makes it one of the toughest adjustable posts sets available. Tubular H-Frame backboard mount with direct goal attachment provides maximum rigidity. Post provides a 4' extension when set at 10' for maximum player safety.

Crank style adjustment system with a double spring assist allows virtually anyone of any size or age to easily adjust the goal to any height between 10' and 6' 6". Indicator shows the rim height.

All pivot points feature welded steel bushings, and post has a welded top cap to provide long-term durability. Entire post and extension finished in durable black powder coat. Post is attached to concrete footing via threaded J-bolt anchoring system to allow perfect pole leveling and easy removal.

Post set provided with 72" x 42" Acrylic Backboard and Outdoor Breakaway Goal. **506980 Post Pad** and **506986 Backboard Edge Padding** are optional.

506992 Force Adjustable Post Set

Force's 5" square, $\frac{3}{16}$ " thick post and dual strut extension make it a high-quality system that will stand up to even the toughest play. Post set features the same tubular H-Frame and direct goal attachment design featured on our top of the line adjustable post set. Backboard extends 4' in front of the post when set at 10'.

Crank style adjustment system with spring assist makes it easy for most people to adjust the goal to any height between 10' and 6' 6". Indicator shows the rim height.

Post features welded steel bushings at all pivot points and a welded top cap to provide durability. Post and extension finished in durable black powder coat. Post is attached to concrete footing via threaded J-bolt anchoring system to allow perfect pole leveling and easy removal.

Post set provided with 54" x 36" Acrylic Backboard and Outdoor Breakaway Goal. **506983 Post Pad** and **506988 Backboard Edge Padding** are optional.

506991 Slam Adjustable Post Set

Slam post set offers adjustability and durability at an affordable price. Post is constructed in a single piece from 4" square 11-gauge tubing. Vinyl cap seals post to prevent collection of water. Backboard extends 24" in front of the post when goal is set at 10'. Extension distance increases as rim height is lowered.

Pin-style adjustment allows for the goal to be set at heights from 10' to 7' in 6" increments. Post has a spring-aided design to make adjustment virtually effort-free.

All steel components finished in black powder coat for maximum durability. Post is direct buried 36" into concrete footing.

Post set provided with 48" x 36" Acrylic Backboard and Outdoor Breakaway Goal. **506981 Post Pad** and **506989 Backboard Edge Padding** are optional.



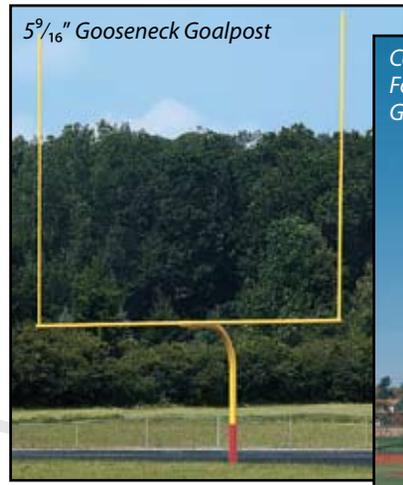
Football Goalposts

8' Extension Aluminum Gooseneck Goalpost

8' extension goalposts are the perfect goalpost for multi-purpose fields and top level facilities. All aluminum construction with tough yellow powder coat finish provides a professional look and extension allows for the use with most portable soccer goals. Goalpost has a 6⁵/₈" gooseneck post and cross bar and 4"OD, 20' uprights that extend to a height of 30' above the playing surface. Can be permanently installed or used with 505099 adjustable ground sleeves for semi-permanent installations.

505129 - Collegiate 6⁵/₈" Safety Yellow Goalpost – 18' 6" Between 20' uprights

505127 - High School 6⁵/₈" Safety Yellow Goalpost – 23' 4" Between 20' uprights.



5⁹/₁₆" Steel Gooseneck Goalpost

Draper's 5⁹/₁₆" OD Gooseneck goalposts feature 72" extension and are available in official sizes for high school or collegiate play. Goalposts are fully adjustable in two directions to insure accurate installation. These goalposts have a 5⁹/₁₆" Schedule 40 steel post, 4¹/₂" steel cross bar and 2³/₈" x 20' long aluminum uprights that extend to 30' above the playing surface. Goalposts feature powder coat finish in your choice of white or safety yellow. Goalposts are available for permanent (direct bury) installations, semi-permanent installation utilizing 505101 adjustable ground sleeves or with adjustable leveling plate installation.

Description	Details	Permanent/Semi-Permanent Installation	Adjustable Leveling Pad Installation
5 ⁹ / ₁₆ " Collegiate Safety Yellow	18'6" Between 20' uprights	505125	505135
Collegiate White	18'6" Between 20' uprights	505124	505134
5 ⁹ / ₁₆ " High School Safety Yellow	23'4" Between 20' uprights	505123	505133
High School White	23'4" Between 20' uprights	505122	505132

505116 H-Style Goalposts

The most affordable Draper goalpost option features 3 1/2" OD galvanized uprights and 2 3/8" OD galvanized crossbars with white powder coat finish. Posts bury directly into ground approximately 3'. Official 23' 4" wide with 10' high uprights. Cross bar can be cut to 18' 6" for collegiate installations. Goalposts are sold in pairs.

4¹/₂" Steel Gooseneck Goalpost

Same quality design and features as Draper's 5⁹/₁₆" OD goalposts, but with a 4¹/₂" OD, schedule 40 gooseneck posts with a 60" extension. Use 505100 adjustable ground sleeves for semi-permanent installations.

Description	Details	Permanent/Semi-Permanent Installation	Adjustable Leveling Pad Installation
4 1/2" Collegiate Safety Yellow	18'6" Between 20' uprights	505121	505131
Collegiate White	18'6" Between 20' uprights	505120	505130
4 1/2" High School Safety Yellow	23'4" Between 20' uprights	505119	505139
High School White	23'4" Between 20' uprights	505118	505138

505117 Combination Football/Soccer Goals for High School or College

This goal can be easily changed to accommodate football or soccer. Soccer goal is official 24' x 8'. Goals are constructed of 4" x 2" x .083 galvanized rectangular steel tubing and uprights 20' H x 2³/₈" OD steel uprights, all finished with an attractive and durable white powder coat. Removable soccer backstays are 1⁵/₁₆" OD galvanized steel. Goal provided with net attachment system. Order 505015 Soccer net separately. Order optional 505098 aluminum ground sleeves with locking cap for semi-permanent installations.

Football Accessories

Goalpost Padding

5051xx* Super thick 6" foam covered with weatherproof vinyl in your choice of 11 school colors. Hook and loop strap closures. Protects players to a height of 72". Meets all NCAA and National High School Federation rules. Designed to fit all goal posts to 5⁹/₁₆" diameter and 4" square. *Last two digits indicate color of pads.

5052xx Same as above but designed for larger 6⁵/₈" posts.



Adjustable Height Ground Sleeves

Goalpost sleeve to allow accurate adjustment of the crossbar height to official 10'. Use to remove gooseneck style goalposts on multi-purpose fields. Built-in anti-rotation device and plumb adjustment. Requires minimum 30" diameter x 53" deep excavation.

505100 For 4¹/₂" diameter goalposts

505101 For 5⁹/₁₆" diameter goalposts

505099 For 6⁵/₈" diameter goalposts

Dimensions, drawings and specifications available at:
www.draperinc.com/go/FootballGoal.htm

Soccer Goals

Portable Soccer Goals

Draper's lightweight Portable Soccer Goals have a 4" aluminum post face and crossbar design. A unique corner attachment system allows for ease of installation and the elimination of all protruding hardware on the front and sides of goal. Features a white powder coated finish and edge radius for player safety. Backstays are galvanized steel tube and provide up to 4' top depth. Net clips hold the net securely to the face of the goal.

All Draper Portable Soccer Goals come standard with nets and built-in wheel kit for easy transport, rear stabilizer bar and ground anchor kit for player safety.

505003 Official 24' x 8' Competition Aluminum Portable Goals

Meet all NCAA, FIFA and National High School Federation rules

505002 Club 21' x 7' Aluminum Portable Goals

505001 Youth 12' x 6½' Aluminum Portable Goals



Portable goal net clips



Built-in transporter



Auger-type ground anchors

In-Ground Steel Soccer Goals

Sturdy, economical, and easy to install and secure with a corner attachment design. Can be permanently mounted in concrete or removable when used with 505009 Ground Sleeves. All steel components feature powder coating. Order nets, optional backstays and ground sleeves separately. Posts are 4" round with 14 gauge wall thickness.

505006 Official 24' x 8' Competition Steel In-Ground Goals

Meet all NCAA, FIFA and National High School Federation rules. Order 505016 or 505015 nets with backstays separately.

505007 Optional Traditional 4' Backstays

Backstays can be mounted to in-ground soccer goals. Backstays feature galvanized finish and 1½" diameter tube construction. When using backstays, a 4' top depth net is needed (see chart below). Sold in sets for backstays with mounting hardware.



Soccer Accessories

505009 Ground Sleeve for Steel In-Ground Soccer Goals

Make Draper's in-ground goals removable for multi-purpose fields by adding ground sleeves. Aluminum extrusions are 24" deep to fit any 4" round post. Steel removable cap keeps out dirt and debris. Requires 30" deep x 8" minimum diameter ground excavation. Sold in sets of four.

505010 Soccer Goal Ground Anchor Kit

Auger-type anchors for soft or loose soils. Set of four (use two per goal) provided with all aluminum portable goals.

Twisted Nylon Soccer Nets

Although designed specifically for Draper soccer goals, these nets can be used on any goal with a correct top depth. Nets are constructed of high strength twisted nylon covered mesh with a minimum of 5½" square openings. Nets have finished rope edges. Each pair of nets comes with a mesh carry bag for easy transport or storage.

Soccer Nets:

Model #	Width	Height	Top Depth	Bottom Depth
505015	24'	8'	4'	10'
505016	24'	8'	0'	8'
505014	21'	7'	3'	8'
505012	12'	6'6"	2"	6'

Dimensions, drawings and specifications available at:

www.draperinc.com/go/SoccerGoalPosts.htm

Tennis Systems

502106 Power Tennis System

Draper's Power Tennis System is your best choice for exterior winding posts. Power Tennis System has an all-aluminum crank that will never rust. Winch handle is removable. Posts are constructed with 3½" O.D., 11 gauge, galvanized tube that is finished with electrostatically applied black enamel. Posts feature an aluminum cap with an aluminum pulley to permit cable to feed over the post.

502108 Championship Tennis System

Draper offers the most durable, attractive and user-friendly tennis post available. These high-end 3" square x 60" posts include an internal net tensioner with ample cable take-up capacity and a winding mechanism designed for heavy loads without fear of binding. Winding mechanism works with a ½" socket. Posts finished with electrostatically applied black enamel and feature lacing rod.

Draper's Tennis Systems are supplied with **502110** heavy-duty net made with 3.0 mm hollow braid polyethylene twine, 36 oz. single layer vinyl head band sewn with 4 rows of lock stitch. Bottom and side tapes are extra wide, abrasion resistant 18 oz. vinyl with brass grommets. All vinyl bands are treated with UV and mildew inhibitors. Net has ½" fiberglass end dowels and 5/8" x 46' vinyl coated galvanized aircraft top cable.

Tennis Systems also provided standard with a **502111** polyester center strap and **502112** ground anchor. Post can be used indoors or outside and can be direct buried or used with optional ground sleeves.

505324 Steel Ground Sleeve 3½" x 24" with neoprene seal cap.

502115 PVC Ground Sleeve 3" x 24"



Outdoor Volleyball Systems

505501 Championship Outdoor Aluminum Volleyball System

Height adjustable posts are constructed from specially designed heavy-wall aluminum extrusions. Lightweight aluminum materials make set up and tear down easy. Post is finished with durable white powder coat. Net height is adjustable from 42" to 96" for all levels of competition. Easy to read height indicators on both posts. Backlash-free worm gear top rope tensioner provides superior net tension for ball rebound preferred by players and coaches. Net measures official sized 32' x 39" and features a ¼" Kevlar top cable, 3/8" bottom rope and white top, bottom and side tapes.

Options:

505309 Steel Ground Sleeve 3½" x 9" with neoprene seal cap.

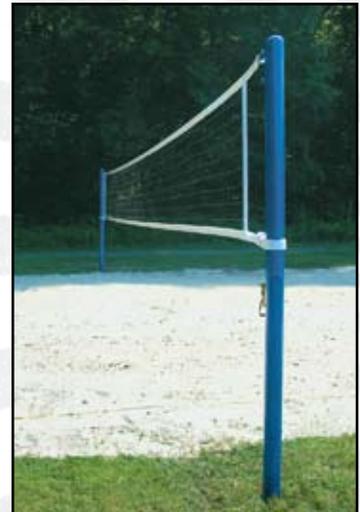
505310 Sand/Beach Installation Kit

505502 Championship Outdoor Steel Volleyball System

Rugged outdoor system constructed of blue powder coated, 3½" galvanized steel tubing is ideal for outdoor recreational and/or grass volleyball. Uprights have fixed net height for official men's and women's competition and a positive lock ratchet net tensioning device. System includes 36" aluminum ground sleeves with cast aluminum caps for semi-permanent installation. Order Draper Model **500014** Collegiate Net separately.

505510 Economy Outdoor Steel Volleyball System

Outdoor Volleyball System is manufactured using 2¾" O.D. galvanized tubing. Tubes are 10' long and have end plugs to prevent water and moisture collection. System provided with #21 all-weather nylon official-sized net and winch with removable handle.



Tetherball System

505201 Tetherball System

Tetherball System consists of a post constructed of 2¾"-13-gauge galvanized tubing, a 5-ply yellow rubber covered ball with nylon wound butyl bladder and reinforced, recessed rope attachment and braided nylon rope. Overall length of post is 11'6" to allow for 18" to be set in concrete footing or optional ground sleeve. Bottom of post notched to prevent rotation in footing and/or ground sleeve.

Options:

505318 Ground Sleeve 2¾" x 18" with neoprene seal cap.

505202 Replacement Tetherball with rope.



Park & Player Benches

Permanent Park Benches

Draper Park Benches are available in many styles and offer many options to meet your specific needs. These benches feature a sturdy and contoured back for maximum comfort. Draper Park Benches are available in lengths of 7'6" and 15'. Frames are constructed with steel tubing and galvanized or finished with black powder coat. Choose your planking from cedar-colored recycled plastic, aluminum or thermoplastic-coated expanded metal in choice of three colors.



Permanent Park Benches

	6'	7'6"	8'	15'
Galvanized Frame w/Cedar-colored Recycled Plastic Planks	507164	—	507184	—
Black Powder Coat Frame w/Cedar-colored Recycled Plastic Planks	507264	—	507284	—
Galvanized Frame w/Extruded Aluminum Planks	—	507175	—	507155
Black Powder Coat Frame w/Extruded Aluminum Planks	—	507275	—	507255
Galvanized Frame w/Thermoplastic-coated Expanded Metal Planks	50716X	—	50718X	50715X
Black Powder Coat Frame w/Thermoplastic-coated Expanded Metal Planks	50726X	—	50728X	50725X

X—last digit indicates color: 1 Red; 2 Blue; 3 Black



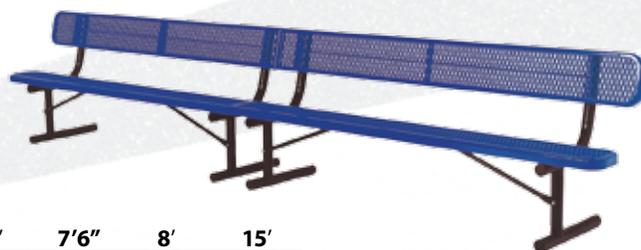
Portable Park Benches

Same quality construction as our permanent park benches with a design to allow portability. Ideal for indoor or outdoor use. Frames for portable benches feature horizontal feet and lateral braces to increase stability. Feet are provided with rubber pads to protect floors and playing surfaces.

Portable Park Benches

	6'	7'6"	8'	15'
Galvanized Frame w/Cedar-colored Recycled Plastic Planks	507364	—	507384	—
Black Powder Coat Frame w/Cedar-colored Recycled Plastic Planks	507464	—	507484	—
Galvanized Frame w/Extruded Aluminum Planks	—	507375	—	507355
Black Powder Coat Frame w/Extruded Aluminum Planks	—	507475	—	507455
Galvanized Frame w/Thermoplastic-coated Expanded Metal Planks	50736X	—	50738X	50735X
Black Powder Coat Frame w/Thermoplastic-coated Expanded Metal Planks	50746X	—	50748X	50745X

X—last digit indicates color: 1 Red; 2 Blue; 3 Black



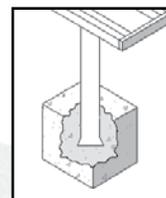
Player Benches

Draper Player Benches are available in portable or permanent models and in lengths of 7'6" and 15'. Frames are constructed with steel tubing and galvanized or finished with black powder coat. Portable Player Benches feature horizontal feet with rubber floor protection pads and lateral braces to increase stability. Choose your seating surfaces from cedar-colored recycled plastic, aluminum or thermoplastic-coated expanded metal in choice of three colors.

Permanent Player Benches

	6'	7'6"	8'	15'
Galvanized Frame w/Cedar-colored Recycled Plastic Planks	507564	—	507584	—
Black Powder Coat Frame w/Cedar-colored Recycled Plastic Planks	507664	—	507684	—
Galvanized Frame w/Extruded Aluminum Planks	—	507575	—	507555
Black Powder Coat Frame w/Extruded Aluminum Planks	—	507675	—	507655
Galvanized Frame w/Thermoplastic-coated Expanded Metal Planks	50756X	—	50758X	50755X
Black Powder Coat Frame w/Thermoplastic-coated Expanded Metal Planks	50766X	—	50768X	50765X

X—last digit indicates color: 1 Red; 2 Blue; 3 Black



Permanent Installation Detail



(Above) Permanent Player Bench
(Below) Portable Player Bench

Portable Player Benches

	6'	7'6"	8'	15'
Galvanized Frame w/Cedar-colored Recycled Plastic Planks	507764	—	507784	—
Black Powder Coat Frame w/Cedar-colored Recycled Plastic Planks	507864	—	507884	—
Galvanized Frame w/Extruded Aluminum Planks	—	507775	—	507755
Black Powder Coat Frame w/Extruded Aluminum Planks	—	507875	—	507855
Galvanized Frame w/Thermoplastic-coated Expanded Metal Planks	50776X	—	50778X	50775X
Black Powder Coat Frame w/Thermoplastic-coated Expanded Metal Planks	50786X	—	50788X	50785X

X—last digit indicates color: 1 Red; 2 Blue; 3 Black



Bike Racks

Loop Style Bike Racks

Draper Loop Style Bike Racks offer a clean and contemporary looking answer for bike storage. Loop Style Bike Racks are fabricated from 2³/₈" O.D. galvanized tubing and are available for permanent or surface mount installations.

Size	Permanent Style	Surface Mount Style
3 Loop Bike Rack	505313	505323
5 Loop Bike Rack	505315	505325
7 Loop Bike Rack	505317	505327
9 Loop Bike Rack	505319	505329



Traditional Style Bike Racks

Draper Traditional Style Bike Racks offer a design that groups rungs to facilitate uniform storage and allow for easier entrance and exit of bicycles. Bike racks are constructed with a frame from 1⁵/₈" O.D. galvanized tubing and 5/8" O.D. galvanized rungs. Bike racks are assembled using galvanized heavy-gauge stampings. Single-sided and double-sided racks and add on units available to create longer bike racks for your specific requirements. Rack capacity is one bicycle per foot per side.

Size	Single Sided	Double Sided
5' Rack	n/a	505345
5' Add On Rack	n/a	505344
8' Rack	505338	505348
8' Add On Rack	505337	505347
10' Rack	505330	505340
10' Add On Rack	505339	505349



Tip and Roll Bleachers

Draper Tip and Roll Bleachers are designed for outdoor or indoor use and are ideal for locations where only temporary seating is required. Welded frame is constructed with aluminum angles and planking is 2" x 10" extruded 6063-T6 aluminum. Each unit has three rows of seating and includes 5" casters and non-marring pads to prevent scuffing or marking of floors.

507995 9' long, 3 rows

507955 15' long, 3 rows

507921 21' long, 3 rows





Moffett Towers Club, Sunnyvale, CA.
Photography: Frank Paul Perez, Los Altos, CA.

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Gymnasium Equipment 101 available in person or online provides a clear understanding of the various factors that must be considered in selecting or specifying basketball equipment for a specific facility. Topics include: selecting the correct backstop series, style and accessories, as well as the standards that should be considered when selecting suppliers.

For more information, visit:

www.draperinc.com/aiaeducation.htm or
www.aia.org

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The U.S. Green Building Council's core purpose is to transform the way buildings and communities are designed, built and operated, enabling an environmentally and socially responsible, healthy, and prosperous approach that improves the quality of life.

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- www.arcat.com
- www.4specs.com
- seek.autodesk.com

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