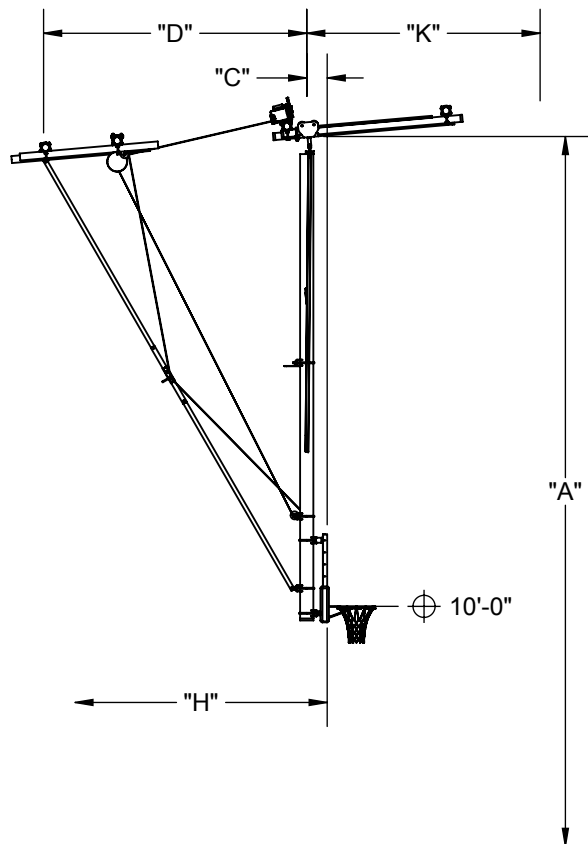


# 90951000 - TRAK-FOLD BACKSTOP

CEILING SUSPENDED, BACKWARD FOLD, REAR BRACED UNIT  
28' TO 32'  $\varnothing$  OF MAST PIPE TO FINISHED FLOOR

PRECISION DIE-FORMED SUPPORT FITTING STANDARD  
(MAY VARY BASED ON GYMNASIUM SUPERSTRUCTURE)

$\varnothing 3\frac{1}{2}$ " O.D. PIPE STANDARD  
(SUPERSTRUCTURE ENGINEERED  
PER BUILDING REQUIREMENTS)



FULLY WELDED  
MAST

$\varnothing 2\frac{3}{8}$ " O.D.  
BACK BRACE

$\varnothing 6\frac{5}{8}$ " O.D. STEM

BACKBOARD SAFETY  
PADDING (OPTIONAL)

CENTER-STRUT® DIRECT  
MOUNT SYSTEM

"A" BOTTOM OF STRUCTURE ABOVE FINISHED FLOOR	"B" MAST CENTERS	"C" FACE OF BACKBOARD TO B1 MAST HANGER	* "D" BACK BRACE DIMENSION	"H" MINIMUM FACE OF BACKBOARD TO WALL	"K" TRACK LENGTH
28' 0-1/8" to 29'-0"	8'-0"	SEE "C" DIMENSION CHART	10'-8"	13'-0"	8'-3"
29' 0-1/8" to 30'-0"	8'-0"		11'-3"	13'-6"	8'-8"
30' 0-1/8" to 31'-0"	8'-0"		11'-10"	14'-2"	9'-1"
31' 0-1/8" to 32'-0"	8'-0"		12'-5"	14'-8"	9'-6"

\*OPTIMUM DIMENSION GIVEN; SEE DIMENSION "H" FOR MINIMUM REQUIREMENTS

"C" DIMENSION CHART- FACE OF BACKBOARD TO CENTERLINE OF MAST HANGER			
BACKBOARD MODEL NUMBER	DESCRIPTION	WITHOUT HEIGHT ADJUSTER	WITH HEIGHT ADJUSTER
00208000	RECTANGULAR GLASS	11-5/8"	14-3/16"
00216000	RECTANGULAR FIBERGLASS	11-3/8"	13-15/16"
00228300	RECTANGULAR WOOD	10-13/16"	13-3/8"
00234300	FAN ALUMINUM	10-13/16"	13-3/8"
00267698	FAN FIBERGLASS	10-3/4"	13-5/16"

\*UNITS UNDER 20' BOTTOM OF STRUCTURE  
REQUIRE  $3\frac{1}{2}$ " ADDITIONAL OFFSET

\_\_\_\_\_ - 90951000 CEILING SUSPENDED, BACKWARD FOLD, REAR BRACED UNIT  
 \_\_\_\_\_ - BACKBOARD SELECTION  
 \_\_\_\_\_ - GOAL SELECTION  
 \_\_\_\_\_ - PADDING SELECTION

# 90951000 - TRAK-FOLD BACKSTOP

CEILING SUSPENDED, BACKWARD FOLD, REAR BRACED UNIT  
28' TO 32' ATTACHMENT HEIGHT

## SPECIFICATIONS

Basketball backstop shall consist of a main center mast of 6-5/8" O.D. heavy-wall structural steel tube with diagonal side sway braces of 2-1/2" x 1-1/2" rectangular steel tubing. Ends of diagonal brace tubes shall be fully welded to main mast. Top horizontal mast member to be of a heavy 4" structural channel to support adjustable suspension hangers. Mast shall be fully welded and suspended by adjustable hangers (2) to provide for precise plumbing of frame during installation. Support hangers shall be offset a minimum of 1-1/2" behind centerline of welded mast to properly weight lock unit in playing position.

Each adjustable suspension hanger shall be mounted on a v-guide type, two-wheel carrier system (rated at 600 lbs. each) to roll forward on a 5° sloped track system, to allow the vertical drop frame to roll forward during the hoist cycle, to avoid rear obstructions. V-groove, 4" diameter polyurethane track casters shall be furnished with needle roller bearings for ease of operation. Carrier/hanger assembly shall be designed to fully encompass the track system to provide maximum safety.

Goal shall mount directly through backboard and into a heavy structural steel Center-Strut® weldment which shall be clamped to the vertical 6-5/8" O.D. center support to eliminate any strain on backboard should a player hang on the front mounted goal (conforms to the NCAA latest rules). All fittings shall be attached to the 6-5/8" O.D. vertical drop tube by heavy 1/4" thick precision saddle die-cut formed steel fittings secured in place by 5/8" diameter 'U'-Bolt type hardware.

Backstop to operate with a 2-3/8" O.D. back brace assembly with a folding knee joint. Knee joint to incorporate an internal torsion spring design to lock brace assembly firmly in playing position. Hoist cable shall automatically disengage brace knee joint during the hoist cycle.

Backstop shall be supported from pipe anchored to roof framing members by precision die formed support fittings or custom attachments as required. All cap screws shall be rated a minimum SAE Grade 5. Grade 2 cap screws will not be approved as equal. Bridged pipes may be required when spans exceed 14'.

All metal parts shall be powder coated. See swatch card SMPL00048037 for standard color options. (contact Porter for custom color requests)

Backstop provided with specified backboard and goal (see B-200 for options).

See winch specifications for more information on included Porter winch system and control options. (manual- see B-700, electric- see B-701)

## WARRANTY

- No. 900 Center-Strut® series backstop structure comes with a 25 year limited warranty.
- Limited Lifetime warranty on all Porter backboards when used in conjunction with the No. 900 Center-Strut® series backstop.
- Other components may be covered by their own warranty (see corresponding specifications for more details).

## OPTIONAL ITEMS (SEE SPECIFICATION SHEETS FOR DETAIL)

- Backboard safety padding (see B-200)
- Height Adjuster (8' to 10' adjustable goal height) (see chart below)
- Saf-Strap (No. 10797100)
- Retractor Reel (No. 10799100, 10799110); with Saf-Strap (No. 10799200, 10799210)

## CENTER-STRUT® HEIGHT ADJUSTER

- |   |   |
|---|---|
| • For Manual Operation, See Page No.:         | B-900-506 (Rectangular Boards) B-900-211 (Fan Boards) |
| • For Key Switch Operation, See Page No.:     | B-901-506 (Rectangular Boards) B-901-211 (Fan Boards) |
| • For Powr-Stick Operation, See Page No.:     | B-902-506 (Rectangular Boards) B-902-211 (Fan Boards) |
| • For Sportsonic® II Operation, See Page No.: | B-903-506 (Rectangular Boards) B-903-211 (Fan Boards) |
| • For Powr-Touch Operation, See Page No.:     | B-904-506 (Rectangular Boards) B-904-211 (Fan Boards) |

## LEED® SUBMITTAL INFORMATION

Credit	Measure
MRc4-Recycled Content	Post Consumer Average 25.0% Post Industrial 0%
MRc5-Regional Materials	Raw materials originate from multiple sources so origin point cannot be determined. Final Manufacturing/Assembly in Champaign, IL 61822

ISSUED JUNE 13, 2017, SUBJECT TO CURRENT MANUFACTURING PROCEDURES AND CHANGES

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