

BASKETBALL BACKSTOPS 900 SERIES STRUCTURAL COMPONENTS

Simple, yet unique design features make Porter backstops the strongest, safest and most rigid in the industry.



Adjustable Hinge

Roof framing structures are not always perfect! An exclusive adjustable hanger system is standard on all of Porter's 900 style backstops. This system allows for precise leveling of the backboard support frame to insure that the backboard is on a horizontal plane with the playing surface on every installation. Adjustable support hangers also provide for easy installation and precise plumbing of backstop frame assuring proper operation and performance. Accurate adjustability allows the installer to account for even the slightest attachment height difference (up to 1-1/2" total) without compromising attachment integrity. Three adjustable hangers are provided on installations when the attachment height is above 28'.



LOAD SAFETY FACTOR 50 TO 1*

Structural Channel Support

The No. 900 series provides outstanding rigidity by incorporating a heavy 4" structural steel channel as the critical top spreader support. The 6-5/8" diameter drop tube and 2-1/2" x 1-1/2" sway braces are secured to the horizontal support channel with full surface contact welds. This unitized frame won't flex or loosen after years of use.

Each hanger tests to 20,000 lb. maximum breaking strength and is designed with 5/8" diameter u-bolt support, 3/16" thick formed, die-cut saddle clamp, 3/4" diameter adjustment stud for precise leveling of mast support system and 1/2" diameter shoulder (hinge) bolts of polished, alloy steel, heat treated to a rockwell hardness of C32-43.



Offset Hinge Weight Lock System

All No. 900 line Center-Strut® support frames are designed with a 1-1/2" offset to utilize the weight of the structure to firmly and automatically lock the backstop brace system in a rigid playing position. This simple weight locking feature maximizes stability, yet does not rely on mechanical locks or latches.



Fully Welded Frame

Fully welded frame on the 900 Series provides maximum stability and strength on frames up to 32'. The 2-1/2" x 1-1/2" rectangular steel tube sway bracing is precision cut at an acute angle to provide an exact, back-to-back triangulated design with maximum weld surface contact closer to the bank for unequalled rigidity.

COMPONENTS COMMON TO ALL BACKSTOP STYLES



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Girder Clamp Attachment

Girder clamp attachment for 3-1/2" diameter custom support structure is load tested to over 10,700 lbs. Dual, 1/2" diameter u-bolts support die-cut/formed steel girder clamps. This unique design even allows clearance for conduit under structural member.



**SWIVEL PULLEY-
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FACTOR 13.5 TO 1***
**EYE PIPE CLAMP-
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FACTOR 25.5 TO 1***

Swivel Pulley and 3" Eye Pipe Clamp

Hoist pulley is a ductile iron casting with maintenance free, oil impregnated bronze bushing and 1/2" diameter forged swivel eye with a 9,500 lb. ultimate breaking strength. Cable is 1/4" galvanized aircraft quality with 7,000 lb. ultimate breaking strength.



Folding Brace Hinge

All units with folding brace are furnished with unique hinge assembly incorporating alloy steel investment castings with in-line pivot points and integral torsion spring to maximize backstop stability. Patent No. 6,511,391

* All adjustable hangers, pulleys and support hardware are designed with a minimum 13.5 to 1 load safety factor. For independent test results contact Porter.