

## W-312-F10H

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# 00312-000 - WALL-BRACED BACKSTOP

## WALL-MOUNTED BACKSTOP WITH CENTER-STRUT® HEIGHT ADJUSTER - FAN BACKBOARD - 3'-6 $\frac{1}{8}$ " to 10'-0" EXTENSION SPECIFICATIONS

### PORTER No. 00312- WALL BRACED BACKSTOP WITH CENTER-STRUT HEIGHT ADJUSTMENT UNIT FOR RECTANGULAR BACKBOARD

Backstop shall be wall-braced type with face of backboard extended 3' 6-1/8" to 10'-0" from supporting wall (specify).

Extension frames shall be fabricated of three (3) 1-7/8" O.D. tubes with a telescoping end section for ease of installation, and precise plumbing and alignment of backboard with official court markings, even when supported on uneven wall conditions. Upper extensions shall terminate in a heavy wall rectangular tube assembly on standard 2'-11" centers. Extension frame assemblies shall terminate in heavy steel flanges for attachment to wall pads. Backstop shall be braced internally with 7/8" O.D. steel tension braces attached at both ends with precision die-formed clamps for rigidity and support of the Center-Strut® goal mount plate. Additional internal bracing shall consist of 3/16" x 1-1/4" steel tension flats attached at both ends with precision die-formed clamps and joined at their intersection with bolted steel fittings.

Southern yellow pine wall pads shall be provided at all wall attachment points. All edges shall be chamfered and pads shall be finished with two finish coats of natural gloss lacquer.

Height adjustment unit shall be designed to provide an adjustable, direct mount Center-Strut® goal attachment system to eliminate any strain on the backboard, should a player hang on the front mounted goal. Height adjustment units without the prescribed direct mount goal feature will not be approved as equal. Height adjustment feature will allow goal height settings from 8'-0" to the official 10'-0" for use by all age groups. Unit shall be designed for use only with Porter No. 267A fan fiberglass, No. 234 or 234A fan aluminum, or No. 216 rectangular fiberglass backboards and companion front-mount type goal.

Center unitized support frame of height adjustment unit shall be fabricated by dual, 2-3/16" square heavy wall zinc plated guide tubes located on 11-3/16" centers. Ends of guide tubes shall be welded to heavy mounting brackets. Outer dual slide tubes shall support heavy structural steel angle sections which extend downward to accept a direct mount Center-Strut® goal mounting system. Slide tube assembly shall be provided with a heavy, formed steel section to attach a special upper backboard support assembly to secure the unit to the upper two corners of the fan-shaped backboard.

Height adjustment unit shall incorporate a centrally located 3/4" diameter Acme threaded rod equipped with precision, hardened steel roller thrust bearings for ease of operation from the playing floor by means of an awning crank-type mechanism. Height adjustment system shall incorporate an internal, spring-loaded height locking mechanism to automatically lock and hold unit at any desired goal height during play. Lock mechanism automatically releases when height setting changes are made with adjustment crank assembly. Adjustment crank assembly shall be provided with each pair of height adjustment units. A height setting scale shall be located on the side of the unit to visually determine height settings from 8'-0" to 10'-0" in 3" increments.

Limited Lifetime warranty on Porter fan-shaped fiberglass (267A), fan-shaped aluminum (234 or 234A), or rectangular fiberglass (216) backboards when used in conjunction with Porter Center-Strut® height adjustment unit installed on a Porter No. 312 Wall-Braced Backstop.

All metal parts shall be painted one (1) coat of flat black enamel. (If special painting of colors is required, specify final painting by painting contractor.)

Specify backboard and goal as required.