

WALL-MOUNTED BACKSTOP WITH CENTER-STRUT® HEIGHT ADJUSTER
- RECT. BACKBOARD - 10'-0 $\frac{1}{8}$ " to 12'-0" EXTENSION

WALL MOUNT SPECIFICATION SHEET

10/1/2015

Technical drawing of the backstop assembly. The drawing shows a side view of the structure. Key dimensions and components are labeled:

- Top width: 2'-11" (88.9cm)
- Inner width (left): 1'-5 1/2" (44.5cm)
- Inner width (right): 1'-5 1/2" (44.5cm)
- Backstop height: 3 1/2" (8.9cm)
- Backstop material: FIBERGLASS BACKSTOP 3/8" x 1-1/2" WOOD BACKBOARD
- Backstop support: Q BACKSTOP
- Backstop wheels: 28, 31, 32
- Backstop frame: 29
- Backstop base: 24
- Backstop base support: 9, 10, 7, 6, 8
- Backstop base connection: 23
- Backstop base detail: 21, 22

**TUBE LOCATIONS &
ANCHOR SPACING**
SEE SHEET W-100 FOR
RECOMMENDED METHODS
OF WALL ANCHORING

DRILL AND COUNTERBORE
WOOD PADS AS SHOWN
- FOR 3/8" x 2-1/4" Lg.
CARRIAGE BOLTS - 20
PLACES

**HOLE PATTERN
FOR DRILLING
WOOD PADS
AT EXTENSION
TIRES**

3 5/8" (9.2 cm)

MACHINE BOLT
GLASS BACKBOARD -
3/8" x 1-1/4"
CARRIAGE BOLT

28 31 FIBERGLASS BACKBOARD
3/8" x 1-1/2",
WOOD BACKBOARD -
3/8" x 1"

TELESCOPING EXTENSION TUBE
FEATURE ALLOWS FOR PRECISE
PLUMBING OF BACKBOARD. AFTER
FINAL ADJUSTMENTS, DRILL 3/8" DIA.
HOLE THRU INNER TUBE AND SECURE
WITH HAMMER HIT RIVET.

MANUAL HEIGHT ADJUSTERS. SEE PAGE NO. W-200-0, W-200-1, W-200-2 or W-200-3 FOR DETAILS ON MANUAL AND ELECTRIC HEIGHT ADJUSTERS.

-8" (2.94m)
-8 7/8" (2.96m) TO FLOOR

3'-8 1/4" (1.12m)

3'-8 1/4" (1.12m)

"A" MINUS

FOR 48"

FOR 42"

FACE OF BACKBOARD TO WALL

AT CHAIN ATTACHMENT, DRILL 3/8" DIA. HOLE THRU CLAMP INTO TELESCOPING EXTENSION AND SECURE WITH HAMMER HIT RIVET - ONE SIDE ONLY AT EACH CHAIN

"A"

"A"

7

9

27

20

21

22

4

36

38

39

5

37

38

39

25

4 OR 5

8'-0" to 10'-0"
(2.44m to 3.05m)
ADJUSTABLE

40.6cm

1-4"

SECTION

16

25

17

0.2m

4"

8"

2'-11" (88.9cm)

8"

20.3

20.3

BACKSIGHT

END

TABLE

OR 00

RECOMMENDED FOR FACILITIES WHERE PLAYERS MAY ALLOW THEM TO CONTACT BACKBOARD FOR RECTANGULAR GLASS

GLASS

208

7'-6" (2.3m)

4"

10.2cm

18

15

19

26

23

20

PORTER RECOMMENDS THE USE OF SAFETY WALL PADDING BEHIND BASKETBALL BACKSTOPS. SEE SPECIFICATIONS FOR STANDARD, FIRE-RETARDANT, AND GRAPHIC WALL PADDING. SPECIFY AS REQUIRED.

REQUIRED - SPECIFY BACKBOARD NO.

AND GOAL NO

No.	Qty.	Description
1	1	RECI BACKBOARD -
2	1	GOAL WITH NET AND HARDWARE
3	1	XEXT 0002 EXTENSION TUBE x
4	1	XEXT 31216 002 UPPER SPAN TUBE WELDMENT
5	1	XEXT 31217 002 LOWER TELESCOPING WELDMENT
6	4	XEXT 0002 BRACE FLAT x
7	4	XBERC 0002 TUBE CLAMP ASSEMBLY x
8	11	XCLP 00001 002 TUBE CLAMP ASSEMBLY x -1/8"
9	5	XCLP 00005 002 TUBE CLAMP ASSEMBLY x -1/8"
10	2	XCLP 76500 002 FLAT IN THE ASSEMBLY
11	6	XING 31211 002 RING ANGLE WHOLE @ EXTENSION TUBES
12	4	XING 31212 002 RING ANGLE W/SLOT @ SUPPORT CHAINS
13	2	CHAM 00004 002 3/16" PROOF CHAIN
14	2	XEXT 00001 002 EXTENSION TUBE WELDMENT
15	1	VERTICAL EXTENSION TUBE WELDMENT
16	1	XEXT 31306 002 EXTENSION TUBE x -3/4" Lp.
17	3	XTEE 81701 002 TEE ASSEMBLY x -1/8" to 1/8"
18	3	XPAD 20602 002 2 x 6 WOOD PAD x -2x4" Lp.
19	1	XPAD 20604 002 2 x 6 WOOD PAD x -4x4" Lp.
20	1	FRAME 00162 002 HEIGHT ADJUSTER ASS'Y - Manual Operation
21	1	LABEL 00235 000 HEIGHT SETTINGS LABEL
22	4	HDWE 01134 000 3/8" x 1/2" Lp. NYLON BOLT
23	1	XCRK 90000 102 HT. ADJUSTER CRANK (1 per 2 units)
24	1	XEXT 91612 002 BACKBOARD EXTENSION
25	4	HDWE 09011 000 5/16" x 3/8" Lp. SET SCREW
26	4	HDWE 06129 000 5/16" x 1/2" Lp. HAMMER HIT RIVET
27	2	HDWE 06130 000 5/16" x 1/2" Lp. HAMMER HIT RIVET
28	2	HDWE 06131 000 3/8" x 1 1/4" Lp. HEX HD. CAP SCREW (G-5)
29	2	HDWE 01124 000 3/8" x 1 1/4" Lp. HEX HD. CAP SCREW (G-5)
30	2	HDWE 02057 000 3/8" x 2 1/2" Lp. CARBIDE BOLT (Grade 5)
31	28	HDWE 04042 000 3/8" LOCKWASHER
32	26	HDWE 03302 000 3/8" LOCKWASHER
33	3	HDWE 01168 000 1/2" x 2 1/2" Lp. HEX HD. NUT
34	3	HDWE 04003 000 1/2" LOCKWASHER
35	4	HDWE 09003 000 1/2" LOCKWASHER
36	2	HDWE 01141 000 5/8" x 3/4" Lp. HEX HD. CAP SCREW (G-5)
37	2	HDWE 01124 000 5/8" x 1 1/4" Lp. HEX HD. CAP SCREW (G-5)
38	4	HDWE 04006 000 3/8" LOCKWASHER
39	4	HDWE 03012 000 5/8" HEX NUT

PROJECT NUMBER

PROJECT NAME

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00312-000 - WALL-MOUNTED BACKSTOP

WALL-MOUNTED BACKSTOP WITH CENTER-STRUT® HEIGHT ADJUSTER
- RECT. BACKBOARD - 10'-0 $\frac{1}{8}$ " to 12'-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 10' 0-1/8" to 12'-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 be drilled and bolted to precision die-formed hinge angles 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. The three extension frames shall be braced mid-span by 1-7/8" O.D. tubes welded into a 'T' configuration and attached with ductile iron Tee casting assemblies. Two (2) chain supports (3/16" proof coil chain) shall extend diagonally from the wall to the upper extension tubes, terminating in clamp-type 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 with any official size (4' x 6' or 3'-6" x 6') Porter rectangular backboard 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 horizontal backboard support assembly to secure the unit to the upper two corners of the rectangular backboard on standard (5'-6") mounting centers.

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 all Porter rectangular 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 required.