BP/LBP/RP6

Bearing Plates

Bearing plates give greater bearing surface than standard cut washers, and help distribute the load at these critical connections.

The BP1/2-3 and BP5/8-3 are 3" x 3" bearing plates that meet the latest requirements of the IRC and IBC. These plate washers are available uncoated or with a hot-dip galvanized (HDG) coating.

The BPS and LBPS are bearing plates that offer increased flexibility while meeting the latest requirements of the code for 2x4 and 2x6 walls. The slotted hole allows for adjustability to account for bolts that are not in the middle of the sill plate.

The BP5/8SKT uses ¼" x 1½" Strong-Drive® SDS Heavy-Duty Connector screws to provide lateral resistance when ⅝" diameter sill holes are overdrilled (screws are provided). The shear capacity of the connection and the sill/anchor bolt shall be determined by the Designer for each installation.

The RP6 retrofit plate is installed on the outside of masonry buildings and helps tie the walls to the roof or floor structure with a ¾"-diameter rod.

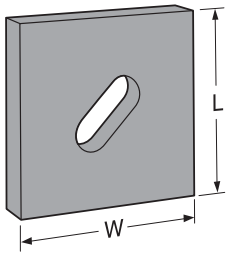
Material: See table

Finish: LBP, LBPS — galvanized; BP7/8-2, BP5/8S — zinc plated; BPS, BP — none; RP6 — Simpson Strong-Tie gray paint. BPs, BPSs and RP6 may be ordered HDG; LBP and LBPS products may be ordered ZMAX®; contact Simpson Strong-Tie. See Corrosion Information, pp. 13–15. BPs available in black powder coat; add PC to model number.

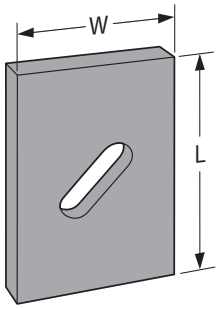
Installation:

- See General Notes.
- BP/BPS — For shearwall applications, position edge of plate washer within ½" of sheathed edge of sill plate.
- BPS-6 plate washers are sized to accommodate the ½" from the sheathed edge in single- and double-sheathed 2x6 walls.
- Standard-cut washer required with BPS slotted bearing plates. Washer not required when used with Titen HD® heavy-duty screw anchors.

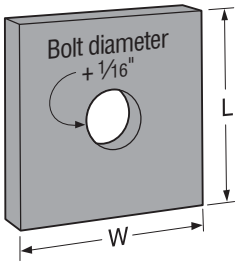
Codes: See p. 12 for Code Reference Key Chart; 2012/2015/2018 IRC R602.11.1, 2015 SDPWS 4.3.6.4.3



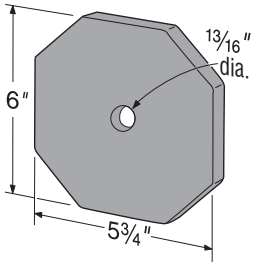
BPS
(LBPS similar)



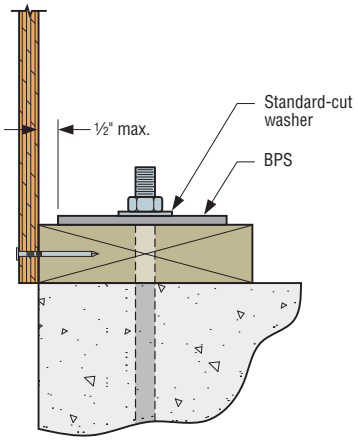
BPS1/2-6
(other models similar)



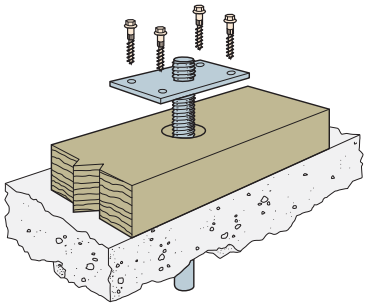
BP
(LBP similar)



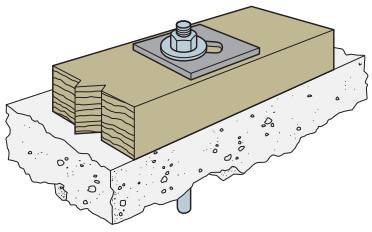
RP6



Typical BPS Installed as a Shear Anchor



The BP5/8SKT is used when ⅝" diameter sill bolt holes are overdrilled



Typical BPS Installation

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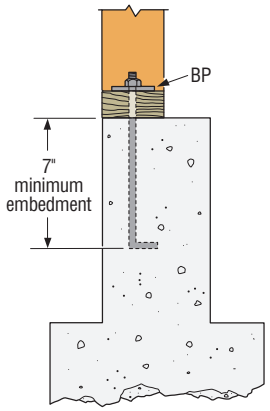
BP/LBP/RP6

Bearing Plates (cont.)

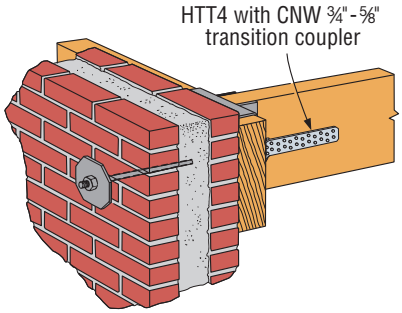
These products are available with additional corrosion protection. For more information, see p. 15.

Bolt Diameter (in.)	Model No.	Thickness	Dimensions (in.)		Code Ref.
			W	L	
⅜	BP 3/8-2	3/16"	2	2	IBC, FL
½	LBP 1/2	9/64"	2	2	PR
	LBPS 1/2	9/64"	3	3	
	BPS 1/2-3	3 ga.	3	3	
	BPS 1/2-6	3 ga.	3	4½	
	BP 1/2	3/16"	2	2	IBC, FL
	BP 1/2-3	3 ga.	3	3	
⅝	LBP 5/8	9/64"	2	2	PR
	LBPS 5/8	9/64"	3	3	
	BPS 5/8-3	3 ga.	3	3	
	BPS 5/8-6	3 ga.	3	4½	
	BP 5/8-2	3/16"	2	2	IBC, FL
	BP5/8SKT	3 ga.	4	2	PR
	BP 5/8	¼"	2½	2½	
	BP 5/8-3	3 ga.	3	3	IBC, FL
¾	BP 3/4-3	3 ga.	3	3	PR
	BPS 3/4-3	3 ga.	3	3	
	BPS 3/4-6	3 ga.	3	4½	
	RP6	⅜"	6	5¾	
⅞	BP 7/8-2	⅜"	1 15/16	2¼	
	BP 7/8	5/16"	3	3	
1	BP1	⅜"	3½	3½	

1. BP5/8SKT sold as a kit.
2. Standard-cut washer required with BPS 1/2-3, BPS 5/8-3, BPS 3/4-3, BPS 1/2-6, BPS 5/8-6, and BPS 3/4-6 (not provided) per the 2012/2015/2018 IRC and 2015 SDPWS.
3. 3 gauge is 0.229".



Typical BP Installed with a Mudsill Anchor Bolt



Typical RP6 Installation

StrapMate®

Strap Holder

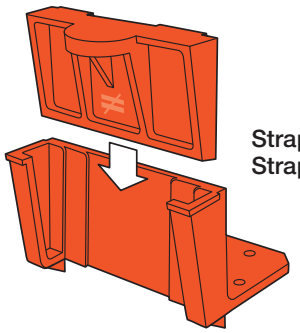
The StrapMate is designed to keep the STHD and LSTHD straps vertically aligned during the concrete pour to minimize possibility of spalling. The friction fit allows for quick and easy installation.

Features:

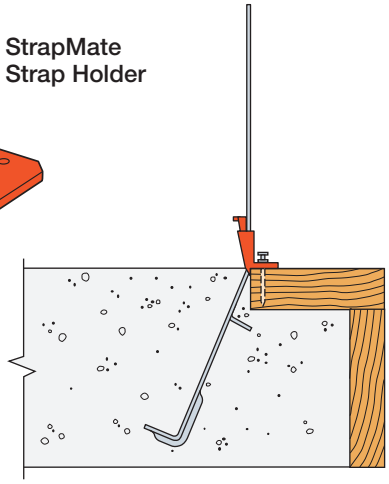
- The StrapMate is reusable
- Works with STHD, LSTHD
- Designed to fit ¾" plywood forms up to 1¾" LVL forms and larger
- The strap is positioned off the front edge of the form board

Material: Engineered composite plastic

Model No.	Nails
SM1	(2) 0.131 x 2½ Duplex



StrapMate Strap Holder



Alternate StrapMate Installation for Brick Ledges

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