

EPB44PHDG Elevated Post Bases

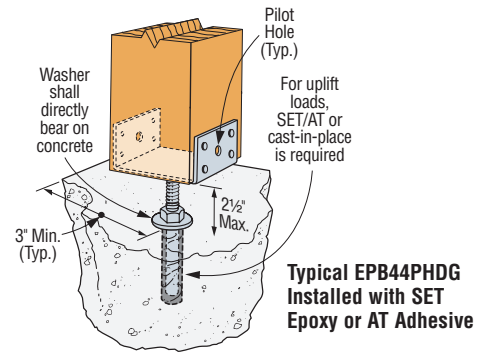
EPB44PHDG (Elevated Post Base – Hot-Dip Galvanized) can be used both for pier block and cast-in-place installation for 4x4 posts.

MATERIAL: 12 gauge base. Threaded rod support 3/4"x6" (nut and washer are shipped assembled)

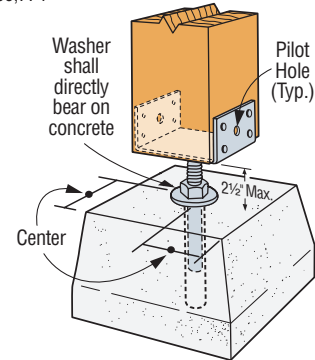
FINISH: Hot-Dip Galvanized; see Corrosion Information, page 10-11.

INSTALLATION: • **Secured with Epoxy:** Drill a 7/8" diameter hole 4" deep minimum and fill the hole halfway with SET epoxy or drill a 1 3/16" diameter hole 4" deep minimum and fill the hole halfway with AT adhesive. Insert the EPB44PHDG and adjust to the desired height. The threaded rod shall be embedded a minimum of 3 1/2". Minimum sidecover is 3" from the center of the threaded rod.

- **Supported by a Nut:** Drill a 1" diameter hole 3 1/2" deep minimum. Insert the EPB44PHDG and adjust to the desired height.
- **Embedded in Wet Concrete:** Embed 5/8" rod minimum 4" embedment.
- Minimum sidecover is 3" from the center of the threaded rod.
- Fully engage at least three threads in the base.
- Post bases do not provide adequate resistance to prevent members from rotating about the base and therefore are not recommended for non top-supported installations (such as fences or unbraced carports).



U.S. Patent
5,666,774



**Typical EPB44PHDG
Pier Block Installation
(Supported by a nut)**

| Model No. | Nails | Factored Resistance | | | |
|-----------|-------|----------------------------------|--------------------------------|----------------------------------|--------------------------------|
| | | D.Fir-L | | S-P-F | |
| | | Uplift (K _D =1.15) | Down (K _D =1.00) | Uplift (K _D =1.15) | Down (K _D =1.00) |
| | | lbs | lbs | lbs | lbs |
| EPB44PHDG | 8-16d | 1030 | 5795 | 1030 | 5795 |
| | | 4.59 | 25.81 | 4.59 | 25.81 |

- Values may not be increased for short-term loading.
- Uplift resistances require the threaded rod to be set in wet concrete or attached to cured concrete with SET epoxy or AT adhesive. Uplift does not apply to connection with pier block.
- Designer to design concrete for shear capacity.
- Factored resistances shown assume dry service condition (K_{SF} = 1.00). Multiply table values by 0.67 for uplift and lateral loads under wet service conditions.
- Structural composite lumber columns have sides that show either the wide face or the edges of the lumber strands/veneers. Values in the tables reflect installation into the wide face.
- NAILS:** 16d = 0.162" dia. x 3 1/2" long. See page 16-17 for other nail sizes and information.

EPB Elevated Post Bases

The EPB44A is a single-piece, non-welded elevated post base.

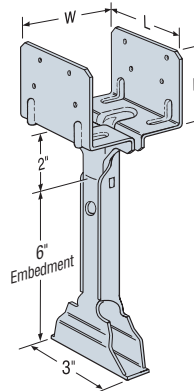
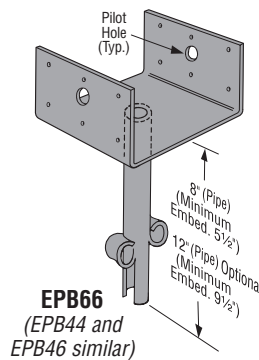
MATERIAL: EPB44A—14 gauge; others—12 gauge base plate, 1 1/16" OD x 8" pipe

FINISH: EPB44A—Galvanized; all others—Simpson gray paint (may be ordered HDG); see Corrosion Information, page 10-11.

INSTALLATION: • Use all specified fasteners. See General Notes.

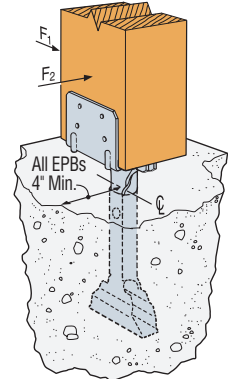
- Allows 1" to 2 1/2" clearance above concrete, 2" for EPB44A. Insert EPB into concrete after screeding.
- Post bases do not provide adequate resistance to prevent members from rotating about the base and therefore are not recommended for non top-supported installations (such as fences or unbraced carports).

OPTIONS: 12" pipe available for EPB44, 46, 66; specify "-12" after model number.



EPB44A

U.S. Patent 4,995,206



**Typical EPB44A
Installation**

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson Strong-Tie for details.

| Model No. | Dimensions (in) | | | Nails | Factored Resistance | | | | | | | |
|-----------|-----------------|--------|--------|--------|----------------------------------|--|--|--------------------------------|----------------------------------|--|--|--------------------------------|
| | W | L | H | | D.Fir-L | | | | S-P-F | | | |
| | | | | | Uplift (K _D =1.15) | F ₁ (K _D =1.15) | F ₂ (K _D =1.15) | Down (K _D =1.00) | Uplift (K _D =1.15) | F ₁ (K _D =1.15) | F ₂ (K _D =1.15) | Down (K _D =1.00) |
| | | | | | lbs | lbs | lbs | lbs | lbs | lbs | lbs | lbs |
| EPB44A | 3 9/16 | 3 | 2 3/8 | 8-16d | 1835 | 1235 | 1530 | 4370 | 1290 | 870 | 1080 | 3515 |
| | | | | | 8.17 | 5.50 | 6.82 | 19.47 | 5.75 | 3.88 | 4.81 | 15.66 |
| EPB44 | 3 9/16 | 3 1/4 | 2 5/16 | 8-16d | 1160 | 1615 | 1860 | 5030 | 820 | 1615 | 1860 | 4045 |
| | | | | | 5.17 | 7.19 | 8.29 | 22.41 | 3.65 | 7.19 | 8.29 | 18.02 |
| EPB46 | 5 1/2 | 3 9/16 | 3 | 12-16d | 1160 | 1615 | 1860 | 5030 | 820 | 1615 | 1860 | 4045 |
| | | | | | 5.17 | 7.19 | 8.29 | 22.41 | 3.65 | 7.19 | 8.29 | 18.02 |
| EPB66 | 5 1/2 | 5 1/2 | 3 | 12-16d | 1510 | 1615 | 1860 | 5030 | 1065 | 1615 | 1860 | 4045 |
| | | | | | 6.73 | 7.19 | 8.29 | 22.41 | 4.74 | 7.19 | 8.29 | 18.02 |

- Uplift and lateral resistances have been increased 15% for short term load duration. No further increase is allowed.
- EPB44 and EPB46 have extra nail holes; only eight must be filled to achieve the resistances shown.
- Designer to design concrete for shear capacity.
- Factored resistances shown assume dry service condition (K_{SF} = 1.00). Multiply table values by 0.67 for uplift and lateral loads under wet service conditions.
- Structural composite lumber columns have sides that show either the wide face or the edges of the lumber strands/veneers. Values in the tables reflect installation into the wide face.
- NAILS:** 16d = 0.162" dia. x 3 1/2" long. See page 16-17 for other nail sizes and information.