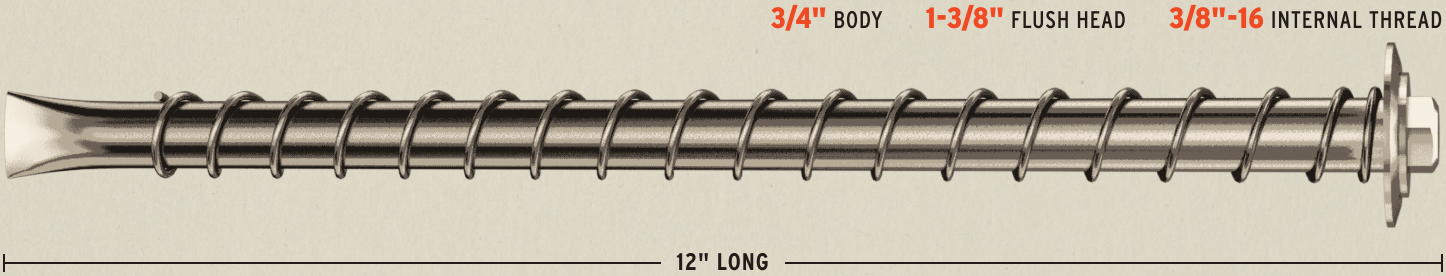
ASPHALT ANCHORS

SP12 MEDIUM DUTY ASPHALT ANCHOR

TWICE THE REACH, SAME BOLT.

The SP12 is a 12" anchor with the same 3/8" bolt as the SP10. Its longer body reaches through the asphalt deep into the gravel base, which brings it up to the pull guide load our heavier anchors share. Bonded in with anchoring adhesive, it sits flush, so fixtures bolt on and come off cleanly.



BUILT FOR

- **FENCES AND RAILINGS**
  Post bases along lots, walkways and loading areas.
- **MACHINERY AND EQUIPMENT**
  Compressors, racks and yard equipment on paved ground.
- **SIGNS AND POSTS**
  Larger signs and posts that need more hold than an SP10.
- **PLATES AND BRACKETS**
  Any fixture with a 3/8" bolt hole that needs full holding power.

WHY IT HOLDS

BONDED, NOT WEDGED

Expansion anchors made for concrete push outward, and asphalt slowly flows away from them. The SP12 is set in adhesive that bonds through the asphalt into the gravel base below.

LONG REACH

The 12" body goes through the asphalt into the compacted gravel below. That depth is what lifts it to a 2,000 lb pull guide load.

FLUSH TO THE SURFACE

The 1-3/8" head sits flat on the pavement. Unbolt the fixture and nothing is left to trip on or catch a plow.

DUTY

LIGHT	MEDIUM	HEAVY	EXTRA HEAVY
SP10	**SP12**	SP18	SP58

Duty reflects bolt size and how well an anchor stands up to impacts, traffic and repeated loads, not just how hard it pulls.

GUIDE LOADS per anchor, in 3" asphalt

2,000 lb	1,500 lb	400 lb
PULL, SHORT DURATION	SIDE, BEFORE IT SHIFTS	CONTINUOUS PULL

The SP12, SP18 and SP58 share the same guide loads because in 3" asphalt the pavement sets the limit. Step up to the SP18 or SP58 for traffic, impacts and repeated loads, where a bigger bolt and body last longer.

Guide loads come from the low end of our test results, with hot summer pavement in mind, for anchors installed per our instructions in 3" asphalt. Short duration means about a minute or less; treat anything longer, including sustained wind, as continuous. They are guidance, not certified ratings.

ENGINEERED FOR ASPHALT, BUILT TO HOLD.

Asphalt Anchors Corp. · 10 Ridge Rd, West Orange, NJ 07052
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BoltHold® is a registered trademark of Asphalt Anchors.

SPECIFICATIONS

MODEL	SP12 (formerly SP12-38)
DUTY	Medium
MATERIAL	Zinc-plated steel or 304 stainless steel
ANCHOR LENGTH	12" (305 mm)
BODY DIAMETER	3/4" (19 mm)
HEAD DIAMETER	1-3/8" (35 mm)
INTERNAL THREAD	3/8"-16 UNC
INCLUDED HARDWARE	Grade 5 3/8"-16 × 1" bolt (9/16" head) and 1" washer; 304 stainless with stainless anchors
MIN. THREAD ENGAGEMENT	3/8" (one bolt diameter)
MAX. BOLT DEPTH	11" from the top (the anchor is hollow)
DRILL BIT	7/8" SDS-Plus masonry bit
HOLE DEPTH	12" (as deep as the anchor)
ADHESIVE PER ANCHOR	About 120 mL
MIN. ASPHALT THICKNESS	3"
MIN. SPACING	5" center to center
MIN. EDGE DISTANCE	9" from the asphalt edge
ANCHOR WEIGHT	About 0.4 lb (0.2 kg)
BRAND	BoltHold®

ORDERING

PART NUMBER	DESCRIPTION	CONTENTS
01-6315.38K	SP12, zinc-plated steel	6 anchors, each with bolt and washer
01-6315.3SK	SP12, 304 stainless steel	6 anchors, each with bolt and washer

6-anchor carton: 13.2 × 4.2 × 3.3 in, 3.5 lb. Master carton: 54 anchors (9 cartons).

COMPLETE THE INSTALL

83-1002	7/8" × 16" SDS-Plus masonry drill bit
BRH-SP10-SS	Hole cleaning brush, 7/8"
82-6002	EPX3 anchoring adhesive cartridge
01-8003	CG40 40:1 high-thrust caulk gun (for EPX3)
82-5002.K	EPX2 anchoring cement, 6 × 12 oz bags
49-8001	Eyebolt, 3/8" × 1"

INSTALLATION

1. **MARK.** Punch each hole location through a spacing template so the bit doesn't wander.
2. **DRILL.** 7/8" SDS-Plus bit, 12" deep, with an SDS-Plus rotary hammer.
3. **CLEAN.** Brush the full depth with the 7/8" (BRH-SP10-SS) hole-cleaning brush on a drill, blow it out, then brush and blow again. This step makes the bond.
4. **FILL.** Fill the hole about 2/3 full with EPX3 or EPX2.
5. **INSERT.** Leave the bolt and washer threaded in the anchor; they keep adhesive and dirt out of the thread. Push the anchor in with a slow up-and-down motion until the head is flush. Use a mallet if needed.
6. **TOP UP.** Adhesive should squeeze out around the head. Clean off the excess right away.
7. **ATTACH.** After the adhesive cures, remove the bolt and washer, set the fixture in place and bolt it down snug with a hand wrench. Never use an impact wrench.

ADHESIVE

EPX3 RECOMMENDED

Acrylic resin cartridge. Works in wet holes and down to 14°F (warm the cartridge to 70°F first). Ready to load in about 10 minutes when hot, about 1 hour when cold. Needs a 40:1 high-thrust gun.

About 3 anchors per cartridge

EPX2 LOWEST COST

Rapid-setting anchoring cement. Dry holes only, at 40°F and above (cold-weather procedure below 50°F). Ready to load after about 2 hours at 75°F.

About 17 anchors per 6-bag pack, or 38 per 10 lb tub

LOADING

- **SHORT LOADS** (about a minute or less): up to the pull guide load, 2,000 lb.
- **CONTINUOUS LOADS** (hours to months), such as a strap under tension or a structure that leans on its anchors: up to 20% of the pull guide load, 400 lb. This is a guideline from experience, not a tested value.
- **HEAT** softens asphalt and lowers holding power. Guide loads are set with hot days in mind, and how much heat a pavement handles depends on its local mix.

The full installation guide, cold-weather procedure and test data are at **help.asphaltanchors.com**. For critical applications or continuous tension, contact us.

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