

Overview The **BoltHold** family of anchors is suitable for mounting structures to asphalt surfaces. The anchors are available in 4 sizes, with the SP10 being the most popular size.

The AK-4 kit comprises (4) SP10-38 anchors and (2) EPX2 grout bags — everything needed to secure the 4 anchors to asphalt.

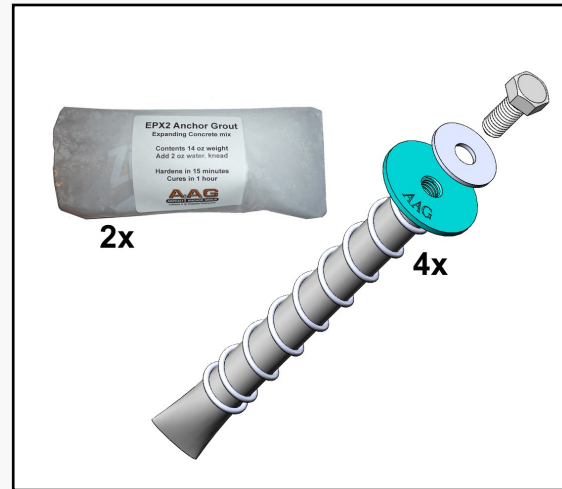
The SP10-38 anchors are 6" long and 5/8" in diameter, with a 3/8"-16 female thread. The anchor is bonded to the asphalt using the adhesive grout EPX2. The anchors and the grout, when sold separately, are only available in packages of 6.

A sister kit [eAK-4](#) is available using an EPX3 epoxy cartridge instead of the two EPX2 bags.

Force Rating The resistance of the installed anchors to extraction depends greatly on the nature of the asphalt and the gravel below it. The SP10-38 is pull-rated for 1,500 lb. At ground level, the anchors can resist 1,000 lb. of shear force (see note 1).

The anchors are also rated for rotary torque; this torque is exerted when tightening the attaching bolt. This torque generates an internal pull stress on the thread, as well as a rotating force on the anchor against the asphalt. The SP10-38 is rated for **200 in-lb. torque**.

To find out if the anchors are suitable for your application, the safe way is to make a test installation. You will be able to leave the anchor in place after the test without the need to remove it as the anchor is flush with the roadway surface.



Installation The installation requires drilling a 7/8" hole 6" deep into the asphalt and the gravel below it. The grout is supplied as a cement powder. It requires the addition of water to activate it. The hole is filled with the grout and the anchor is dropped in. The anchor is ready for use in 15 minutes .

Packing

The kit is packaged in a carton measuring 7 "x 4" x 2" and weights 5lb.

Part Numbers

AK-4 kit P/N is 01-7010

eAK-4 kit P/N is 01-7013

SP10-38 P/N is 01-6310.38K (6-pack)

EPX2 P/N is 82-5002.K (6-pack)

Note 1: When installing anchors close together, de-rate the pull strength of the additional anchors by 6% for every 1 inch less than 12. Thus an arrangement of 4 anchors at 4" apart will resist a total pull force of 3,840 lbs (1,500 + (3 x (52% x 1500))). A calculator is available [online](#).



10 Ridge Rd, West Orange, NJ 07052 USA

Tel: 1.973.669.8214

Fax: 1.973.669.5161

email: marketing@asphaltAnchors.com

WEB: www.asphaltAnchors.com