

BOLTHOLD® ASPHALT ANCHOR



ANCHOR TO ASPHALT THE EASY AND PERMANENT WAY

FEATURES INCLUDE

Profast's specially designed asphalt anchors overcome the asphalt's weakness in two ways - they are unusually long, and they bond with a hard grout that fills the crevices in the asphalt and the gravel below it, to distribute the forces over a large area.

They are well suited for a range of applications including attaching barriers, signs, stands, speed humps, fencing or any other similar structure that requires direct fastening to asphalt surfaces.

- 1 INSTALLATION TAKES MINUTES FROM START TO FINISH
- 2 CLEAN, FINISHED LOOK
- 3 NO DAMAGE TO ASPHALT SURFACE
- 4 REMOVABLE MOUNTING METHOD
- 5 UNEQUALLED RESISTANCE TO PULL BOTH VERTICALLY AND HORIZONTALLY

ANCHORING TO ASPHALT

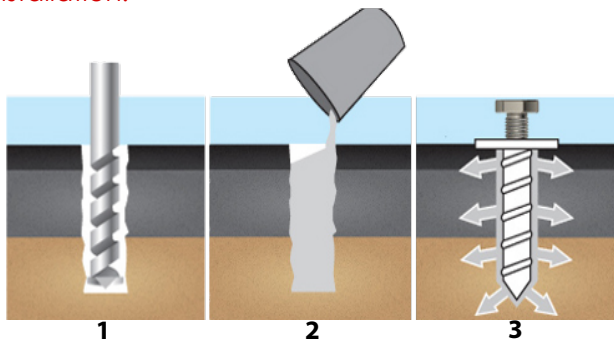
Asphalt is gravel held together with oily pitch ('Bitumen'). Unlike concrete, asphalt will yield to forces applied for extended time. For this reason, the common expansion anchors (which are used on concrete) cannot be used for fastening to asphalt. Any expansion anchor in asphalt will loosen in days and will fail.

BoltHold® is a family of anchors specifically designed for anchoring to asphalt surfaces. The anchors are suitable for attaching barriers, signs, bicycle stands and similar structures to asphalt.

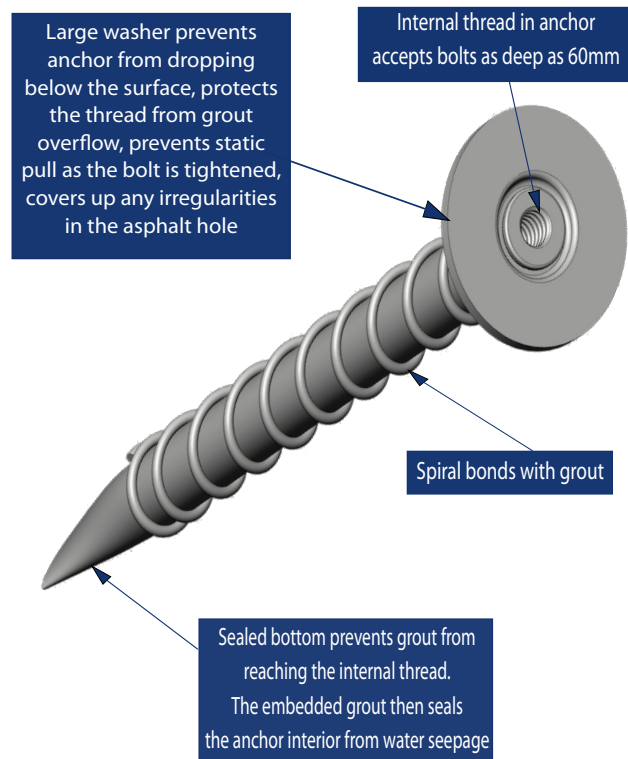
INSTALLATION

Installation requires drilling a hole and filling it with grout to the top, then pushing the anchor in until it is flush with the asphalt surface. The grout hardens usually in 10-15 minutes (depending on the grout and ground temperature) allowing immediate installation. Allow 1-2 hours before placing a pull serious load (200kg or more) on the anchors.

It is important that the correct grout is used. It **must** be self-levelling, cured to a hard material and immune to extended exposure to water. **Make sure that you read the *Anchor Installation Guide* provided with your product before attempting installation.**



- 1 Drill hole per anchor specs
- 2 Mix water with grout and fill hole
- 3 Push anchor in flush with surface
- 4 Attach object to anchor (Allow 1-2 hrs)



ABOUT BOLT HOLD® ASPHALT ANCHORS

The BoltHold® Asphalt Anchors are constructed from zinc plated steel and are available in sizes SP10, SP12 and SP18. An option for all-stainless steel version is available in the SP10.

A 14-18mm tube is the backbone of the anchor. The bottom is flared and sealed to act as a wedge when pushing the anchor into the ground. A welded spiral along the length of the anchor provides for a strong bond with the grout. The top of the anchor incorporates a large washer with internal female thread.

The washer prevents the anchor from dropping below the surface, and guards the thread from the grout spilling into it. The washer prevents static pull forces on the anchor when the structure is attached to the anchor. Such forces are likely if the head of the anchor is smaller than the hole in the base of the structure being attached; in the latter case, as the bolt is tightened, the anchor would be pulled up through the hole into the base.

Model	SP10	SP12	SP18
Anchor diameter	18mm	20mm	24mm
Anchor washer	37x2mm	37x2mm	41x2mm
Anchor length	150mm	300mm	300mm
Internal Thread	M10x1.50	M10x1.50	M12x1.75
Maximum Bolt Length	60mm	60mm	60mm
Hole Diameter	22mm	22mm	25mm
Standard Material	Carbon Steel	Carbon Steel	Carbon Steel
Finish*	Zinc Plated	Zinc Plated	Zinc Plated
Grout volume required	150cc each	200cc each	220cc each
Weight	0.1kg each	0.25kg each	0.25kg each
Stainless available	On request	No	No
Typical pull resistance**	680kg	900kg	1,135kg
Typical shear resistance	450kg	675kg	1,135kg
Typical torque resistance	23Nm	23Nm	28Nm
Package size	6 per carton	6 per carton	6 per carton

*Dacromet available

**When installing anchors close together, de-rate the pull strength of the additional anchors by 6% for every 25mm less than 300mm. Thus an arrangement of 4 anchors at 100mm apart will resist a total pull force of 2,905kg (1135 + (3 x (52% x 1135))).



THREADGUARD CAPS

Profast offers special thread protection caps that are easy to install, simple to remove and low in cost. The caps come in sizes to tightly match the thread in the anchors.



Size:	M10	M12
Package Size:	100 per pack	100 per pack

APPLICATIONS

- Bike & Kayak Racks
- Fences
- Signage
- Solar Panels
- Carports
- Speed Bumps/Humps
- Parking Blocks/Stops
- Aircraft Arresting Bed
- Parking Barriers
- Sound Barriers
- Railings and Guardrails
- Shopping cart corrals
- Lighting
- Ramps & Stairs
- Electrical Cabinets



**EASILY MOUNT ANYTHING
DIRECTLY TO ASPHALT**

PROFAST[®]

INDUSTRIAL FASTENING SOLUTIONS

FOR ALL YOUR FASTENING SOLUTIONS

QUALITY INDUSTRIAL FASTENERS

PRODUCT RANGE

- 1 NUT INSERTS
- 2 RIVETS
- 3 LOCKBOLTS
- 4 TOOLING



ABOUT US

Profast are your specialist partners when it comes to providing the very best in fastening products. Our product range primarily consists of specialist rivets, rivet derivatives, two-piece fasteners, threaded inserts and the associated installation tooling.

BRISBANE (07) 3265 2267
SALESQLD@PROFAST.COM.AU

PERTH: (08) 9456 5537
SALESWA@PROFAST.COM.AU