

Anchors & Installation

Single Headed Stakes



Description	Product Code	Weight
5/8" x 24" w/1 1/2" Head	2524WH	2.09 lbs.
3/4" x 24" w/1 1/2" Head	2624WH	3 lbs.
1" x 30" w/2" Head	2830WH	6.69 lbs.
1" x 36" w/2" Head	2836WH	8 lbs.
1" x 42" w/2" Head	2842WH	9.37 lbs.
1-1/8" x 42" w/2 1/2" Head	2942WH	11.84 lbs.



The Solution for Plugging
Stake Holes in Asphalt
Pg. 24

Double Headed Stakes



Description	Product Code	Weight
3/4" x 26" Double Head	2626DH	3.5 lbs.
1" x 30" Double Head	2830DH	7.14 lbs.
1" x 40" Double Head	2840DH	9.37 lbs.
1-1/8" x 40" Double Head	2940DH	11.84 lbs.

Headed Hook Stakes



Description	Product Code	Weight
3/4" x 12" Sidewall Stake	2612WHS	1.5 lbs.
3/4" x 24" HH Stake	2624WHS	3 lbs.

Hook Stakes



Description	Product Code	Weight
5/8" x 18" Hook Stake	2518B	1.7 lbs.
5/8" x 24" Hook Stake	2524B	2.22 lbs.

Anchors & Installation

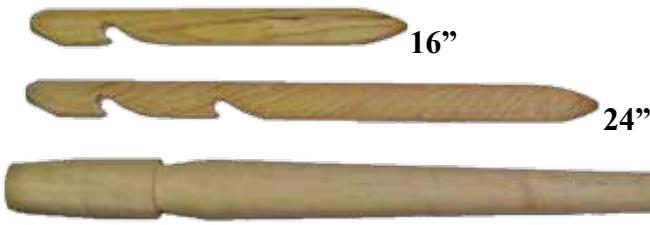
Auger Stakes

The double helix design provides added stability in loose and/or sandy soil conditions.



Size	Product Code
5/8" X 30"	AUG5830
3/4" X 48"	AUG3448

Wooden Mil-Spec Tent Stakes



Size	Product Code
1.5" X 16"	WPIN16
1.5" X 24"	WPIN24
2" X 36"	WPIN36

16" & 24" Wood Stakes sold in bundles of 50. 36" size sold in bundles of 24.

Type II & III Mil-Spec Steel Tent Pins

Commonly used to anchor MGPTS, MCP, Temper, and Arctic style Military Tents.



Size	Product Code
5/8" X 12"	8340-01-823-7451
5/8" X 18"	8340-01-985-7461

Min. order, 50 units.

12" Mil-Spec Aluminum Stake

Constructed of stamped aluminum with an Olive Drab finish, commonly used to secure military tarps and tents.



Size	Product Code
1.5" X 12"	1080-00-108-1654

Min. order, 50 units.

9-12" Steel Stake

Made of heavy 12 Gauge Steel and ideal for use as a sidewall anchor. Available in 9 & 12" lengths.



Size	Product Code
12G Steel Stake	GSS009/GSS012

Min. order, 100 units.

Steel Stake Bars

Constructed of heavy gauge steel with 1 1/4" holes, our Stake Bars are finished with a white zinc coating for added weather resistance. Available in lengths of 2' and featuring a total of three stake holes.

Description	Product Code
2' Stake Bar (Three Holes)	WB3H



Anchors & Installation

Indestructible Handle Sledgehammers

- Indestructible handle is made with 6 spring steel bars that run all the way through the handle. Bars are locked with the Hammer head using Steel locking plates ensuring that the head never gets dislodged
- Ergonomic rubber grip handle absorbs shock & vibration reducing fatigue
- Special Bonding process ensures that head never gets loose from the handle
- Hammer Head is forged from special steel and is Induction case hardened to 52 to 56 HRC for extended life
- Available with 30" or 36" handle length

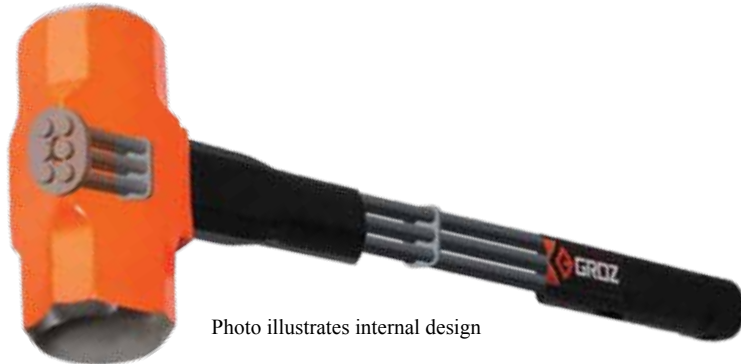


Photo illustrates internal design

Product Code	Weight
LB8	8 lbs.
LB10	10 lbs.
LB12	12 lbs.
LB14	14 lbs.

Please specify handle length at time of order

2-Piece Stake Driver Set

Our Stake Driver Sets are forged out of high quality tool steel and we offer a wide array of sizes to fit: Wacker, Pionjar, Bosch, Kango, Hitachi & Atlas Copco. Simply refer to the Driver Shank and Driver Head charts below to find the size that is appropriate for your application. The Stake Driver is sold as a 2-piece set.

Driver Head Sizes	Product Code
1" Inside Diameter	221C
1-1/4" Inside Diameter	222C
1-1/2" Inside Diameter	223C
1-3/4" Inside Diameter	224C
2" Inside Diameter	225C
2-1/2" Inside Diameter	226C

Driver Shank Sizes	Product Code
7/8" x 4-1/4" Shank W/Collar	217D
1-1/8" x 6" Shank W/Collar	218D
1-1/4" x 6" Shank W/Collar	220D



**For use with steel stakes only.*



Stake Puller

Features and Benefits:

- Easy to operate
- Removes all types of stakes
- Fast and efficient
- Only 37 lbs.
- Cost effective

Product Code 230

Anchors & Installation

JackJaw® Stake Extractor

JackJaw® Tent Stake Extractors are the new force in stake pulling. The powerful, patent pending jaw and lever mechanism allows you to pull tent stakes straight out of the ground or asphalt without bending the stakes. The sturdy lever arm gives you a 16 to 1 mechanical advantage. A 100 lb. down force on the handle generates a 1,600 lb. upward force and a 3,200 lb. gripping force on the stake. Tilted stakes? No problem! Just lean the JackJaw® to align with the stake. With the optional stake bar adaptor (AC0009), the JackJaw® easily pulls stakes from stake bars or flat base plates.

JackJaw® Buyers Guide:

JJ0301 - Ideal for simple stake extractions, where the stake head is not flush against a surface.

JJ0302 - This puller can do simple extractions like the 301 described above, plus pull stakes that are pounded flush to a surface such as stake bars and plates.

Recommended for use with AC0009 Adaptor.



JackJaw® 301 pulling angled stake



JackJaw® 302 in raised position with adaptor

Description	Product Code
JackJaw® Stake Extractor	JJ0301
JackJaw® W/Adjustable Base	JJ0302
Extractor Stake Adaptor	AC0009

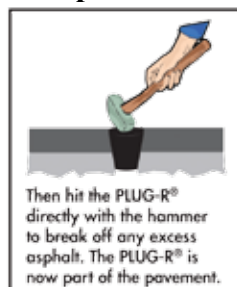
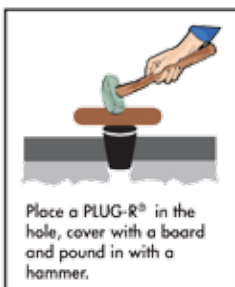


THE PROBLEM: Stake holes can be dangerous to pedestrians, cyclists and motorists. Stake holes are unattractive and not filling them can lead to problems when they grow into potholes. Sand, chunks of asphalt, even regular patching doesn't fill a hole permanently - *Plug-R does!*



THE SOLUTION: A specially formulated asphalt plug that stays right where you want it . . . in the hole! Cold weather won't crack it, hot weather won't melt it. It's easy to use, store and transport. When viewed on the basis of per unit cost, Plug-R is much more cost effective than any alternative on the market. Plug-R goes in quickly and looks great. No extra filling is necessary. *Save time and money with Plug-R!*

Installation is Simple...



Description	Product Code	Stake Size	Qty./Case
3/4" Plug-R	106050	3/4"	512
7/8" Plug-R	106100	1"	320
1-1/8" Plug-R	106150	1-1/4"	176
1-1/4" Plug-R	106200	1-1/2"	112
1-1/2" Plug-R	106300	1-3/4"	96
1-3/4" Plug-R	106400	2"	96

For best results, store Plug-R in 40-80 degree Fahrenheit climate just before use.

Anchors & Installation

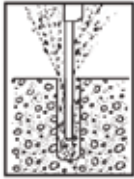
Drop-In Concrete Anchors

Our Drop-In Concrete Anchors feature an internally threaded, all-steel shell with expansion cone and are manufactured from zinc-plated carbon steel or stainless steel for continuous low temperature and long term applications. Drop-In Anchors should be installed with carbide tipped hammer drill bits made in accordance to ANSI B212.15-1994 specifications. For best results, use with ATF Eyebolts.

Drop-In Anchor Installation Steps:



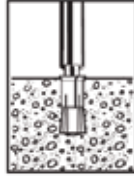
Drill hole to required depth



Clean hole w/ pressurized air



Drive Anchor flush w/surface



Expand Anchor w/ Setting Tool

Approvals/Listings

- Meets or exceeds U.S. Government G.S.A. Specification A-A-55614 Type 1
- Underwriters Laboratories
- Factory Mutual
- City of Los Angeles - #RR2748
- California State Fire Marshal
- Caltrans



Bolt Dia.	Drill Bit	Min. Depth	0° Tension Value	Anchor Code	Setting Tool Code
1/2"	5/8"	2"	5,840 lbs.	RL-12	RLST-12
5/8"	7/8"	2-1/2"	8,640 lbs.	RL-58	RLST-58
3/4"	1"	3-3/16"	9,480 lbs.	RL-34	RLST-34

Allowable load values based upon 4 to 1 safety factor and are applicable to 4,000 psi concrete installs only; divide tension value by 4 for allowable load values. Designed for vertical lifts only, angles greater than 0° may reduce the working load limit. Stainless Steel recommended for extreme low temperature and long term installations, please call for pricing & availability. Anchors remain in concrete.

ATF Eyebolts



Manufactured specifically for use with our Drop-In Anchors, simply match the Eyebolt diameter to the bolt diameter listed in the Drop-In table above.

Description	Product Code	0° Load Limit	Qty.
1/2" Eyebolt	12EBWS	2,400 lbs.	10
5/8" Eyebolt	58EBWS	4,000 lbs.	5
3/4" Eyebolt	34EBWS	5,000 lbs.	5

Load limits applicable to 0° lifts only, angular lifts greater than 0° reduce the working load limit. Final anchor assembly only as strong as the weakest component. Stainless Steel recommended for extreme low temperature and long-term installations, Please call for pricing & availability.



DUCKBILL anchors, a patented labor and time-saving device, work like a toggle bolt in soil. DUCKBILLS are driven into the ground (with no holes, no digging and no concrete), providing a safe and environmentally sensitive installation. An upward pull on the anchor tendon rotates the DUCKBILL into a perpendicular "anchor lock" position in undisturbed soil. The result: superb holding capacities. Steel drive stakes sold separately, see chart below for specifications and capacity limits.



Drive Anchor



Remove Driver



Pull Cable to Lock



Load Test if Desired

Description	Product Code	Rated Capacity
Aluminum Anchor w/2-1/2' of 1/8" Wire Rope	68DB1	1,100
3' Long Steel Drive w/Striking Head	DS-68	For Model 68DB1
Aluminum Anchor w/3-1/2' of 1/4" Wire Rope	88DB1	3,000
4' Long Steel Drive w/Striking Head	DS-88	For Model 88DB1



The end loop can be secured to rope or ratchet hardware.

Anchors & Installation



Gust Lock™ - Pole Pin Anchor

Invented by a tent installer, Gust Lock is a simple and economical solution to prevent your tent tops from “jumping” off of side poles during windy conditions. The bushing is made of aluminum and includes a durable set knob for tightening. Available in two sizes to accommodate 1/2” or 5/8” pin. Please call for current pricing.

Description	Product Code
Gust Lock Pole Pin Anchor, 1/2”	GL12IN
Gust Lock Pole Pin Anchor, 5/8”	GL58IN

Center Pole Base Plate

- Designed for use with our Engineered Wood Center Poles
- Accommodates up to 5.5” outside diameter pole
- Constructed of heavy gauge steel for maximum durability
- Powder coated for corrosion resistance
- Features ramp for easy loading and set screws for tightening
- The steel plate contains three stake holes that fit up to 1” diameter stake
- Increases the allowable axial load for ATF wood center poles
- Please call for current pricing

Description	Product Code
Center Pole Base Plate	BP6000



Multi-Mover Cart

- Easily move inflatables, folding chairs, coolers, etc.
- Capacity is 750 lbs. (max.)
- Expanded metal backguard
- Steel gate fenders protects load from rubbing tires
- Four 10” no flat wheels
- Wheels have ball bearing hubs
- Welded steel tube frame is powder coated
- Folding foot plate: 17”D x 26”W
- Overall size: 51”H x 28”W x 20”D
- The MM can be set at 90,45, 22.5 and 0 degrees.

Multi-Mover Cart (XT)

- Easily move inflatables, folding chairs, coolers, etc.
- Capacity is 1000 lbs. (max.)
- Expanded metal backguard
- Steel gate fenders protects load from rubbing tires
- Six 10” no flat wheels
- Wheels have ball bearing hubs
- Welded steel tube frame is powder coated
- Folding foot plate: 31”D x 26”W
- Overall size: 62”H x 28”W x 20”D
- The MMXT can be set at 90, 22.5 and 0 degrees.

