

0Z-POST

instant post holes



**NO
DIGGING**

**NO
CONCRETE**

NO ROT

**NO
MESS**

MEMBER OF THE



American Fence
Association, Inc.

www.oz-post.com

What is an Oz-Post™?

The Oz-Post™ Support System is a modern building product that improves, simplifies and speeds up the process of securing a post to the ground. Oz-Posts™ patented design is intended to REPLACE the use of concrete to secure your posts.

Instant Post Holes!

Digging and concreting post holes are both time consuming and messy. There is a better way, its called Oz-Post™! With Oz-Post™ you can stop wasting time digging holes and mixing concrete. Just drive Oz-Post™ into the ground with a jackhammer and attach your posts. Oz-Post™ is fast, clean, and built to last.

How do they work?

The Oz-Post™ is a heavy gauge galvanized steel spike that is driven into the ground with a jackhammer. The Oz-Post™ becomes an extension of the jackhammer and uses its destructive vibrations to penetrate the ground beneath it. After the Oz Post has been installed, its large fins "grab" the surrounding terrain therefore stabilizing the post.. With an installation time of 2 minutes, Oz-Post™ has taken the labor and guesswork out of installing posts!

Why Use Oz-Post™?

- No Digging or Concreting Required
- One Person installation in minutes
- Easily driven into rock, clay, roots, concrete, asphalt, and soil
- Tested to be stronger than concrete!
- Over 1,500,000 units already installed
- Removable and Reusable, and they don't leave a hole!
- Wooden posts won't rot
- Posts don't have to be as long
- Less expensive big \$\$\$ savings
- Clean, No need to remove spoil
- 25yr warranty
- Start building immediately, no waiting for concrete to set.

Clean

When you use the Oz-Post™ System there is no dirt to haul away or concrete to mix. Landscaping, trees and grass can be adversely affected by the equipment and additional foot traffic required to install a post with traditional methods. The dirt, dust and mess created by digging holes and mixing concrete are completely eliminated with the Oz-Post™ System. You won't have to wait for weeks for grass and landscaping to recover from your construction project if you use the Oz-Post System™.

Reusable

Oz-Posts are made with the finest materials and protected with a durable galvanized finish. If post replacement becomes necessary the Oz-Post™ can easily be reused in its current location or be recycled and installed somewhere else! Removing a post supported with the Oz-Post™ System is also quick and easy. Just release the attachment hardware, pull the post out and extract the Oz-Post™! Removal leaves a small "X" in the ground which will disappear after the first rainfall. The extracted Oz-Post™ can be used repeatedly in many different locations.

Strong

Oz-Posts™ can be driven into all kinds of soil conditions like rock, stone, asphalt, concrete, clay, compacted sand, and frozen ground. Once installed to a typical depth of 36" the thick metal fins and heavy-duty sleeve provide the same strength and stability as concrete. The strength of a post installed a 6" - 8" post hole with concrete will have the same strength as a post that is installed with the Oz-Post system in the same soil conditions.

Oz-Posts™ are used everywhere!

Fencing, Signs, Decks, Utility Markers, Road Signs, Construction Fences, Arbors, Retaining Walls, Flag Poles, Sheds, Post Repair, Cloths Lines, Mail Boxes, Bird Houses, Playgrounds, and much more. *Check your local building code.



T4-850

For Use With: 3 1/2" x 3 1/2" Wood, Plastic, Metal or Composite Materials

Common Uses: Wood Fencing, Street Signs, Real Estate Signs, Playgrounds, Retaining Walls, Mail Box, Road Signs, Construction, Decking, Park and Recreation, Portable Building, DIY, Signs and More

Driver for Jackhammer: Use Oz-Hammer™ - OH-01 and Hammer Spacer HS-T4

Specifications: 2mm hot dipped galvanized high grade steel. Bolts included for attaching post.



P4-850

For Use With: 4" x 4" Metal, 4" x 4" Plastic, 4" x 4" Wood, 4" x 4" Composite Materials

Common Uses: Wood Fencing, Street Signs, Vinyl Fencing, Real Estate Signs, Playgrounds, Retaining Walls, Mail Box, Road Signs, Construction, Decking, Park and Recreation, Portable Building, DIY, Signs and More

Driver for Jackhammer: Use Oz-Hammer™ - OH-01 and Hammer Spacer HS-P4

Specifications: 2mm hot dipped galvanized high grade steel. Bolts included for attaching post.



P5-850

For Use With: 5" X 5" Metal, 5" X 5" Plastic, 5" X 5" Composite Materials

Common Uses: Vinyl Fencing, Signs, Wrought Iron Fencing, and more

Driver for Jackhammer: Use Oz-Hammer™ - OH-01 and Hammer Spacer HS-P5

Specifications: 2mm hot dipped galvanized high grade steel. Pre-Drilled holes for hardware (not included)

HB-700

For Use With: 1 7/8" Round Metal

Common Uses: Chain Link Fencing, Construction, Demolition, Rental, and more

Driver for Jackhammer: Use Oz-Hammer™ - OH-03

Specifications: 2mm hot dipped galvanized high grade steel. Compression sleeve attachment included.



ISW-850

For Use With: OD 2 3/8" Metal, 2 3/8" Plastic, 2 3/8" Wood, 2 3/8" Composite Materials

Common Uses: Wood Fencing, Street Signs, Chain Link Fencing, Utility Markers, Retaining Walls, Ranch Fencing, Road Signs, Park and Recreation, Military, Portable Building, DIY, and More.

Driver for Jackhammer: Use Oz-Hammer™ - OH-01

Specifications: 2mm hot dipped galvanized high grade steel. Compression sleeve attachment included.



SW-750

For Use With: OD 2 3/8" Metal, 2 3/8" Plastic, 2 3/8" Wood, 2 3/8" Composite Materials

Common Uses: Wood Fencing, Chain Link Fencing, Ranch Fencing, Road Signs, Oil/Gas, Telecommunications, Construction, Demolition, Rental, and Military

Driver for Jackhammer: Use Oz-Hammer™ - OH-01

Specifications: 3mm hot dipped galvanized high grade steel. Wedge attachment and/or bolt, tech screw, or weld. Wedge attachment makes this model ideal for temporary fencing.





T6-850

For Use With: 6" x 6" Wood

Common Uses: Wood Fencing, Construction, Road Signs, Decking, Park and Recreation, Portable Building, DIY, Signs

Driver for Jackhammer: Use Oz-Hammer™ - OH-01 and Hammer Spacer HS-T6

Specifications: 3mm hot dipped galvanized high grade steel. Bolts included for attaching post.



T46-850

For Use With: 4" x 6" Wood

Common Uses: Signs Wood Fencing, Construction, Road Signs, Park and Recreation, and DIY

Driver for Jackhammer: Use Oz-Hammer™ - OH-01 and Hammer Spacer HS-T46

Specifications: 3mm hot dipped galvanized high grade steel. Bolts included for attaching post.



IP-850

For Use With: 2"x 2" Metal, 2"x 2" Plastic, 2"x 2" Wood, 2"x 2" Composite Materials

Common Uses: Wrought Iron Fencing, Street Signs, Road Signs, DIY, Signs and More.

Driver for Jackhammer: Use Oz-Hammer™ - OH-01

Specifications: 2mm hot dipped galvanized high grade steel. Compression sleeve attachment.

Oz-HammerT - OH-01

Oz-Hammer™ - Driver for Jackhammer: This driver is REQUIRED for installing all but one (HB-700) of our Oz-Posts. Many of our products do not require Hammer-Spacers™ to be used in conjunction with this driver. Please see the list below or the product Oz-Post product specifications.

Our exclusive Oz-Post™ driver is a high grade steel attachment that fits most common jackhammers that are available today. If you are planning to rent a jackhammer most rental centers have Bosch® Brute or Wacker® 60# electric jack-

hammers that are perfect for any size job. There are also gas powered jackhammers (Wacker® model BH-23 is one popular brand) that are great for remote locations where power cords or generators would have difficulty reaching. Air operated jackhammers also work, but is not recommended because they are very heavy and much more difficult to handle.

There are many other jackhammer brands and most of them will do the job. To be sure, the main feature that the tool will need is to have a 1 1/8" hex chisel holder with a retaining collar. Custom Oz-Hammers can be made for those who would like to use their existing equipment.

Specifications: 1 1/8" hex chisel holder with a retaining collar.

For use with (no Hammer-Spacer™ required): ISW-850, IP-850, S-700, S-900, SW-700, and SW-900

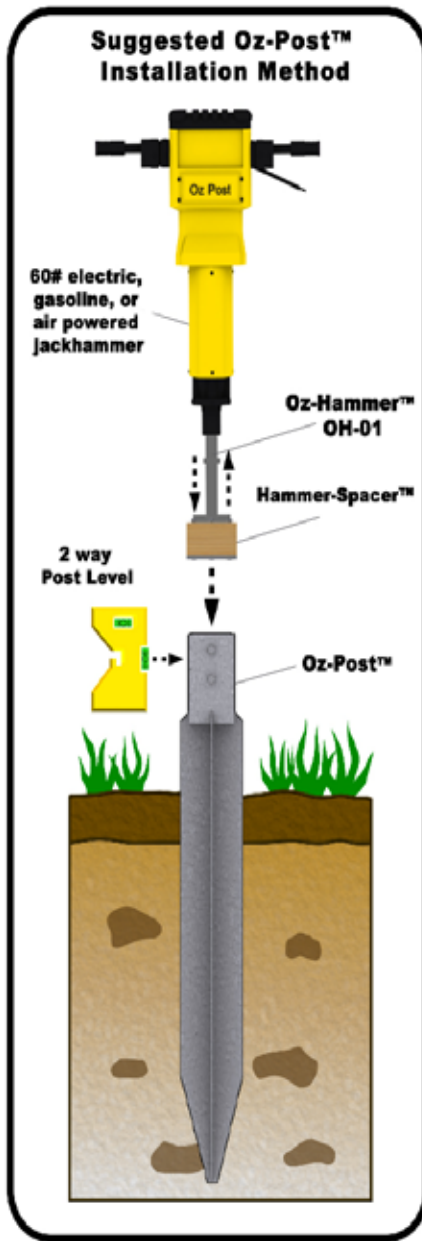
Hammer-Spacers™ required for Oz-Post™ Models: T4-850, P4-850, P5-850, T46-850, and T6-850



Hammer-SpacersT

Hammer-SpacersT required for Oz-Post Models and T6-850.





OZ-Puller



The Oz-Puller is the perfect companion for any business that needs to remove posts. To remove a post that has been set in concrete simply place the post clamp around the base of the post, engage the jack and pull the post out concrete and all! To move the extracted post just tilt the extractor back on to its heavy duty wheels and pull to the desired location. The post and concrete are safely cradled between the support frames even on rough or uneven terrain.

The Oz-Puller is also great to remove Oz-Posts that have been used for temporary fencing or if they have been located incorrectly. With its wide base and powerful jack the Oz-Puller can get the job done quickly.



Traffic signs



Commercial signs



Parks, Playgrounds and many other applications!



Commercial and Residential fencing.

Common Questions and Answers

Are Oz-Posts™ as strong as concrete?

Oz-Posts™ have been tested to high levels of horizontal forces and have been found more than suitable for the majority of fencing and sign projects. A fence or sign constructed as recommended using Oz-Posts™ will be equally as strong as traditional concrete installation. A post placed in a standard 6"-8" post hole with one or two bags of concrete takes minimum of a ½ an hour to install. (not to mention a day to dry) This method is not any stronger than an Oz-Post installed by one person in four minutes.



Testing has proven that the weakest part of almost any fence installation is the wooden or metal post. This also holds true for an Oz-Post™ installation. Testing has shown that the post will break or bend before the Oz-Post™ fails when installed as recommended. Of course Oz-Posts™ and 6"-8" post holes with concrete are not suitable for all fence designs or all signs but most standard fence designs and signs allowed by city councils can be installed with the Oz-Post™ system. If you have any questions on the suitability of the Oz-Post™ system for your next project feel free to call our customer service department for more information.

How high can I go?

The maximum recommended height for a wood fence is 8' with post spacing at 6'. For a chain link fence the maximum recommended height is 8' with post spacing at 8'. (Please confirm with your local authority as these height restrictions may vary depending upon your location). Additional information on fence sizing and post spacing is available on our web site www.oz-post.com.



What size and type should I use?

The size and style of Oz-Post™ is determined by post materials that you intend to use. For some post sizes Oz-Post offers several different styles for various applications. A good rule of thumb is to use the longest Oz-Post™ that can be easily driven into the ground. The more firm and compacted the ground is the shorter the Oz-Post™ you will require.

If you have a special application that you would like to use Oz-Posts for let us know we more than likely have a special model for your needs.

Can Oz-Posts™ be removed?

Yes, Oz-Posts™ can be extracted if they are placed in the wrong spot, the fence needs moving, or they are only temporary. In lightly compacted soil conditions you can remove Oz-Post™ by using a 6' long pry bar. Place the pry bar under the housing, and using a piece of wood or a concrete building block placed at approximately 10" from the Oz-Post™ you can lever the Oz-Post™ out of the ground. If this fails your Oz-Post™ distributor can sell or rent you an Oz-Puller™ to make this process much easier.

What happens if I hit Rock?

The Oz-Post™ becomes an extension of your jackhammer. As a result it will break through loose shale and some rock. Smaller boulders will be pushed aside as the Oz-Post™ penetrates the ground. You may need to straighten the assembly a few times as the Oz-Post™ hits and deflects small boulders.



Large solid bedrock and boulders cannot be penetrated by Oz-Post™, in these extreme cases you will have to move the hole, or try a shorter or tapered Oz-Post™. Remember a bobcat or post-hole auger will not penetrate most of the softer rock or concrete that Oz-Post™ can easily handle. Both Oz-Post™ and traditional methods will not penetrate solid rock!

What if the ground becomes water-logged?

Ground soil will expand and contract depending upon the water saturation levels. This is a natural property of ground soil and cannot be avoided. Due to the large surface area of the Oz-Post™ fins there is a high level of adhesion of the soil onto the Oz-Post™. This helps to give Oz-Post™ their lateral strength and support. Where the ground is very water logged you may notice some increased movement in your fence, as the ground dries this deflection in your fence will decrease back to usual levels. It should be noted that these effects and properties are also evident when constructing a fence using concrete.

How does wood shrinkage effect Oz-Post™?

Shrinkage in wood is a natural property, as moisture is absorbed and evaporated from the timber. This is not a concern as the Oz-Post™ housing fully encapsulates the timber post and also allows for drainage. It is recommended that the bolts be tightened 2-6 months after installation to assure the tightest possible connection. Shrinkage is a far greater problem when considering posts that have been secured using concrete. As the timber shrinks (the concrete does not) a concrete container is created which inevitably will hold water, thus your timber post becomes submerged until the water drains, a great environment for fungal decay. That is why your posts rot out before the fence.



What about Frost?

Oz-Post™ can be used in both warm and cold climates. Frost is a force that can easily ruin any kind of post installation that is not done correctly. Posts that have been installed with post holes and concrete can be “heaved” out of the ground by the freezing and thawing of the surrounding ground. If the buried concrete has rough sides frost can grab the post and heave it out of alignment and eventually completely out of the ground if it is left unattended. In areas that experience below freezing conditions evidence of damage caused by frost is easy to spot. To assure that the concrete has smooth sides it is recommended that paperboard sleeves like “sono-tubes®” be inserted in the augured hole to produce smooth sides and help prevent movement from frost. The use of sono-tubes® is highly recommended for frost prone areas. This adds additional cost to traditional installations that should be considered when comparing with the Oz-Post™ System.

On the contrary Oz-Posts™ can be installed even if the ground is already frozen! The smooth fins on the Oz-Post™ give frost nothing to “grab” onto making the installation far less likely to be heaved by the frost. If for whatever reason a post installed with Oz-Posts™ is heaved out of alignment it can easily be removed and reinstalled in the correct location. The same operation with a concrete installation would prove to be very time consuming.

Can Oz-Posts be used on a Gate?

Yes, Oz-Posts can be used for all kinds of gates that would normally be installed with a 6” – 8” post hole and concrete. This includes pedestrian gates up to 5’. If you are installing a gate that

requires more strength there are several options you can use to obtain the desired strength. The simplest and possibly most effective method is to double up the posts on the hinge side of the gate. Placing two posts 10" apart will more than double the strength of the gate. Another gate strengthening technique is to join the top of the gate posts together with a header or similar. These techniques are also standard practice for installing with concrete.

What is an Oz-Hammer™?

Our exclusive Oz-Hammer™ is a high grade steel attachment that fits most common jackhammers. The Oz-Hammer transfers vibrating forces of the jackhammer to the Oz-Post™. You may although need to get a Hammer-Spacer™ to adapt the Oz-Hammer to the Oz-Post™ model that you are using. See our web site to determine which Oz-Posts require the Hammer-Spacer™.

If you are planning to rent a jackhammer most rental centers have Bosch® Brute or Wacker® 60# electric jackhammers that are perfect for any size job. There are also gas powered jackhammers (Wacker® model BH-23 is one popular brand) that are great for remote locations where power cords or generators would have difficulty reaching. Air operated jackhammers will also work, but are not recommended because they are very heavy and much more difficult to handle.



There are many other jackhammer brands and most of them will do the job. To be sure, the main feature that the jackhammer will need is to have a 1 1/8" hex chisel holder with a retaining collar. Custom Oz-Hammers can be made for those who would like to use their existing equipment.



What is a Hammer-Spacer™?

The Hammer-Spacer™ is an adapter for the Oz-Hammer™. An appropriate Hammer-Spacer™ is REQUIRED for Oz-Post™ Models: T4-850, P4-850, P5-850, T46-850, and T6-850. If you order one of these models you will need to order an Oz-Hammer™ AND Hammer-Spacer™. You cannot install these posts without the Hammer-Spacer™.

Other Applications for Oz-Posts™?

If you are considering using Oz-Posts™ for applications other than those specified in our literature please consult our customer service department. If we do not have a standard unit that is suitable for your needs our custom engineering department may be able to design and manufacture an Oz-Post™ to suit your requirements.

How long will they last?

Oz-Post™ warranty extends for 25 years in subterranean conditions, where the soil pH remains between 4 and 6.

Has Oz-Post™ been tested?

Yes, Oz-Post™ has been fully tested by the Engineering Department at the University of Queensland. Full testing details are available upon request; please contact our customer service department for more information.

Technical Data

Description:

Oz-Post™ is a four finned, harpoon-like spear manufactured from 2mm and 3mm hot dipped galvanized, high grade steel which is simply driven into the ground with a jackhammer. The Oz-Post™ is a post anchor for use when erecting all types of fences, sign posts or other non-load bearing structures.

Application & Uses:

Oz-Post™ may be used in any situation where there is no potential for wind up-lift loading from a roof structure, or where the subsoil is stable in nature. When considering the suitability of Oz-Post™ for your application reference should be made to wind loading and soil type tables, if in doubt you can email Oz-Post™ for further clarification at info@oz-post.com.

Oz-Post™ can be used for:

Permanent Fencing Temporary Fencing Decks Mail Boxes
Clothes Lines Tree/Shrub supports Playground Equipment Wood
fences Chain mesh Fences Street Sign posts Open Pergolas
Signs

Features & Benefits:

Oz-Post™ represents both a change and advance in the concept of ground supports of a magnitude not seen for many years. Oz-Post™ are fully retrievable and reusable allowing structures to be moved with no capital waste. As a result the Oz-Post™ can be used as both a permanent or temporary post installation system. Both on insertion and removal there is little or no environmental impact and wood posts are protected from rot caused by soil and moisture.

An Oz-Post™ can be easily installed in less than four minutes by only one person. The dramatic time savings compared to traditional methods will provide for a cost reduction and significant improvements in labor efficiency.

When using Oz-Post™ the posts can be up to 750mm (30") shorter than what would be used with traditional post securing methods. No concrete is required; the large surface area of the fins gives maximum contact with the surrounding soil resulting in excellent grip and stability. The Oz-Post™ is suitable for steel or wood posts, round, square or rectangular sections are accommodated for. The post housing is manufactured to allow for water run-off.

Environmental Impact:

Oz-Post™ are removable and re-useable and upon extraction only leave a tiny cross shaped hole which quickly disappears as the soil closes in naturally. Compare this to the huge boulder sized hole left when extracting a post that has been installed using concrete.

Because there is no need to bury the posts, timber and steel structures may be of shorter length thereby saving

valuable resources. The life of an Oz-Post™ far exceeds that of timber in a subterranean application, again representing saving of valuable resources. Oz-Post's™ can also be recycled.

Regulations:

There are various local authority planning and building regulations that relate to installation of fencing and or sign posts. Compliance with such regulations is required and if necessary assistance should be sought from a qualified trades person to help with the design and construction of fencing and or signage. Post positioning when fences are aligned to boundaries should be ascertained prior installing Oz-Post™. While the Oz-Post™ is removable it will save time and energy if the Oz-Post™ is positioned correctly. Local cities have various regulations regarding the placement of signs on Public and private property be sure to check with these regulations before installing your sign posts.

Utilities:

As with any underground work that you do, you must call all utility companies to mark where the underground utilities are before you drive the Oz-Post™ into the ground. Costly repairs, serious injury or death could occur if the Oz-Post is driven into any kind of utility.

Certification & Testing:

Oz-Post™ has been used by many government departments since 1993 and has under-gone crash and strength testing. These tests and approvals have been carried out independently by Government departments and the Department of Civil Engineering at the University of Queensland, which is a NATA accredited testing facility. Complete testing results are available upon request, or see our internet site www.oz-post.com to request more data. With over 1 million already in use you can be assured that Oz-Post™ has performed well in all kinds of terrain and different applications.

Warranty:

Oz-Post™ warranty extends to 25 years from the date of original purchase. The warranty is valid where the soil has a normal pH of between 4 & 6. The warranty is limited to the cost of replacement of the Oz-Post™, costs of installation or costs associated with materials used in conjunction with the Oz-Post™ are not the responsibility of Oz-Post™. For the warranty to be valid the correct installation procedures need to be adhered to. The product has been tested and certified by an accredited engineer for fence and sign posts only. The warranty of Oz-Post™ is void if used for any other purpose. Change in soil conditions due to change in environment (natural or manufactured) that adversely effect the performance of Oz-Post™ are not the responsibility of Oz-Post™ and as a result under these conditions the warranty will be void.

Installation and Extraction

Step 1

Mark location where the post is to be located. Be sure to call local utility companies to assure that there are no buried utilities in the area where Oz-Posts™ are going to be installed. Slide the Oz-Post™ onto the Oz-Hammer™ and position the tip of the Oz-Post™ at the center of the post location. Strap a two way level on the outside of the Oz-Post™.



Step 2

In one swift motion lift the jackhammer and Oz-Post™ into an upright position. Once the Oz-Post is in the correct location move the entire assembly to find level in BOTH directions.



Step 3

Using “short bursts” drive the Oz-Post into the ground 1” (25mm) - 2” (50mm) at a time checking level at each interval. Once the Oz-Post™ has been driven into the ground more than 8” (200mm) corrections to level can no longer be made.



Step 4

Finish the driving process when the base of the housing is at ground level OR if so desired the housing may be completely submerged. Insert the post into the sleeve of the Oz-Post and secure it with the appropriate hardware.



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