



INSTALLATION ROD

PRODUCT INFORMATION AND INSTALLATION BROCHURE



Introduction

Installation Rod is a simple and very useful tool for engaging and disengaging Stainless Steel Spring to and from Brass Anchors. Our Installation Rod is manufactured from good quality steel with plastic handle for smooth and firm grip.

Ease of Use

Installation Rod is designed to simplify the process of engaging and disengaging Stainless Steel Spring to and from Brass Anchor. See details below for use of this product.

Corrosion resistance

Our Installation Rod is made from good quality steel and electroplated to provide corrosion resistance, thus suitable for use near water and most other chemicals used in swimming pool maintenance.

Quality

For manufacturing these products, we bring into process raw materials of high grade and are processed to give a shape in best industrial conditions.

Packing options

Standard packing is individual wrapping.

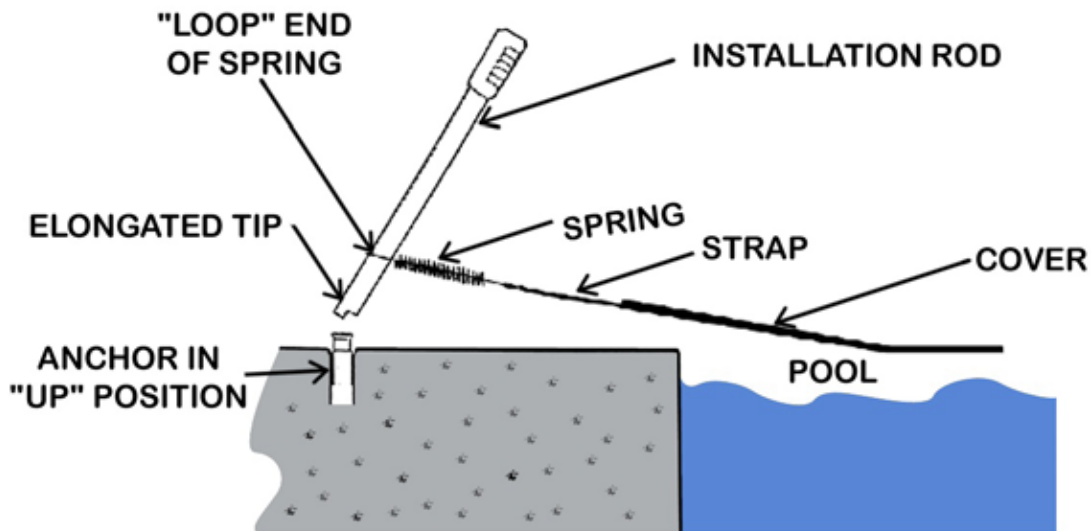
IMPORTANT:

This product brochure gives information only on how to best use Installation Rod for engaging and disengaging spring to and from Brass Anchor. Please refer to the installation manual that came with your swimming pool safety cover or ask your swimming pool safety cover provider or manufacturer for further information on the same. For additional general guidance on installation of swimming pool safety cover you can download our swimming pool safety cover installation guidance pdf from our download section. Suzy International holds no responsibility for Guarantee or Warranty voidance due to improper installation of your swimming pool safety cover or any other possible reasons that affects you Guarantee or Warranty, and also any other consequences arising during or after installation of your swimming pool safety cover. Information provided here by Suzy International is with sole intention to demonstrate different ways of installation of swimming pool safety cover hardware and Suzy International has nothing to do with Guarantee or Warranty policy of individual companies selling swimming pool safety cover. Please refer to Disclaimer of Suzy International before beginning installation procedure of you swimming pool safety cover.

ENGAGING SPRING ON BRASS ANCHOR INSERT

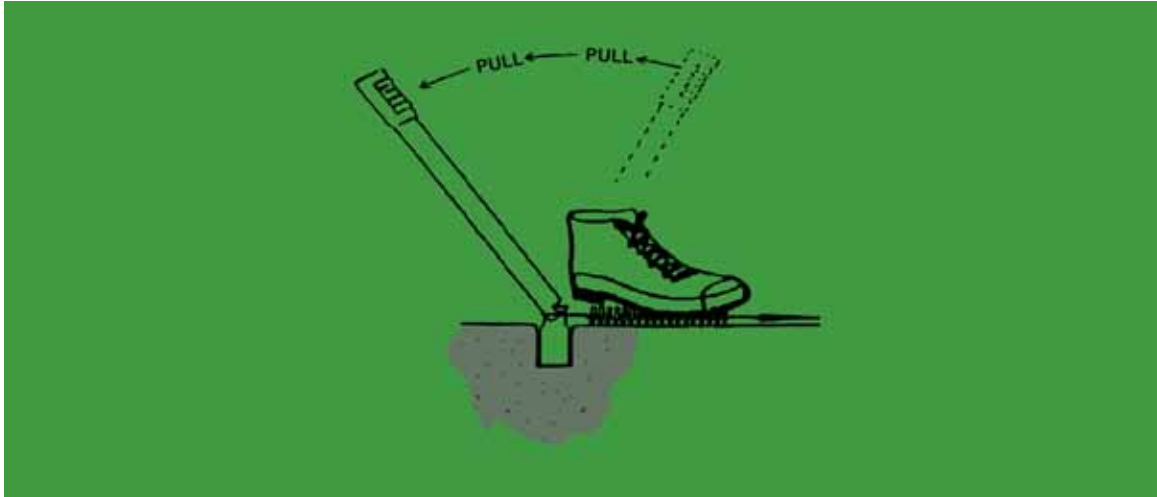
Step 1

Position Brass Anchor Insert in the up position by twisting with the help of an Allen Wrench. Slide the Installation Rod through the round loop end of the spring and position over the end of the anchor head. The elongated tip of the rod should be towards the back of the anchor (furthest from the pool). The rod should now be angled towards the pool.



Step 2

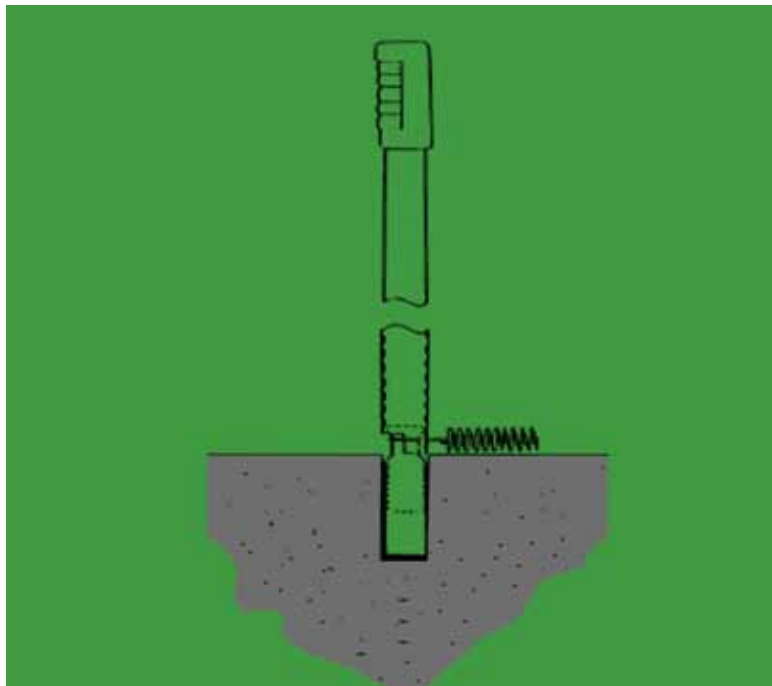
Pull the rod handle away from the pool. The spring will slide down the rod to the elongated tip. This can be facilitated by pushing down on the spring with your foot. The Installation Rod may also be lightly sprayed with silicone lubricant to ease sliding. The spring will slide off the rod and onto the anchor head.



REMOVING SPRING FROM ANCHOR

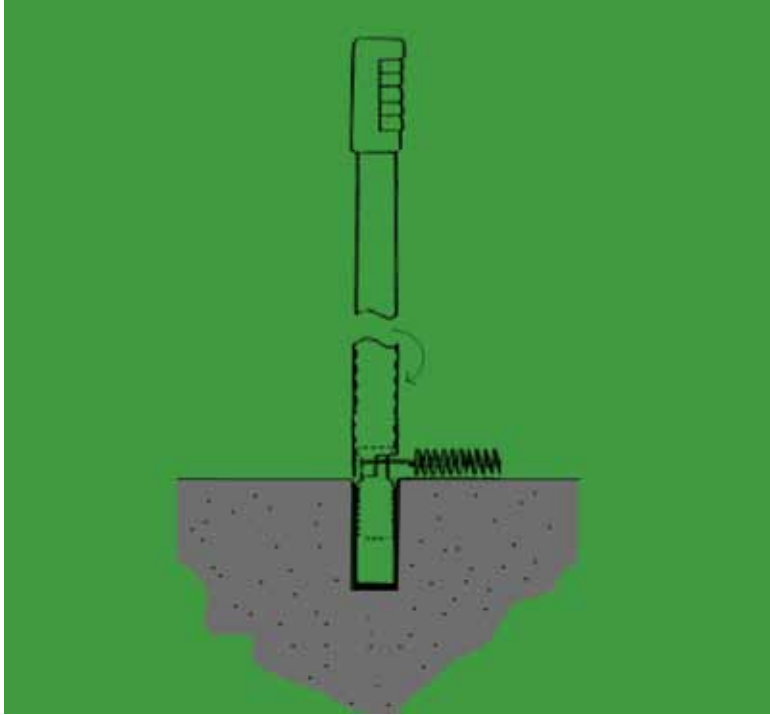
Step 1

Insert Installation Rod over anchor head so that elongated tip of rod fits into space inside round looped end of spring and brass anchor insert (the pool side of the anchor).



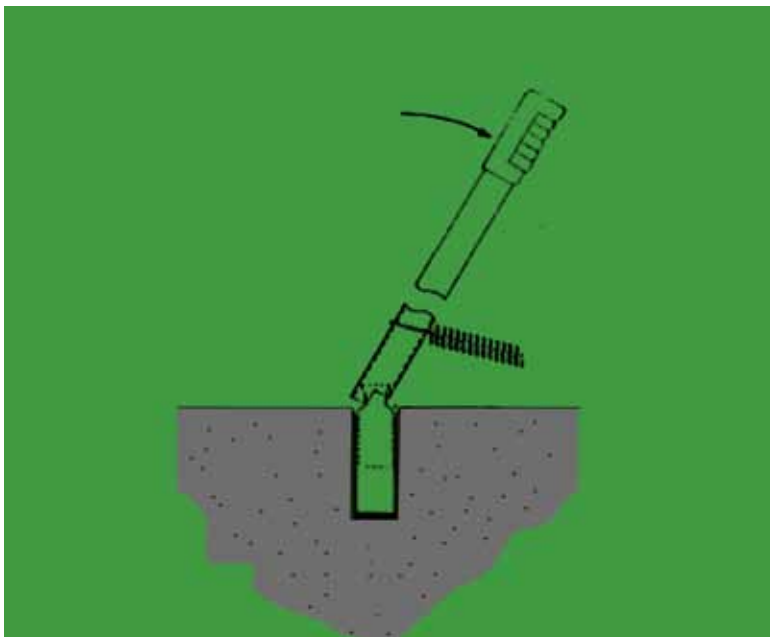
Step 2

Rotate the Installation Rod a half turn so that the elongated tip slides between the anchor and the end of the spring furthest away from the pool.



Step 3

Tilt the Installation Rod towards the pool. The spring will slide up the rod, releasing the spring from the anchor head. As the tension has been removed, the spring at the opposite end of this strap can now easily be removed from the brass anchor insert by hand.



Note:

As the tension has been removed, the spring at the opposite end of this strap can now easily be removed from the brass anchor insert by hand.

GENERAL INFORMATION ABOUT MOST COMMONLY USED MATERIALS BY SUZY INTERNATIONAL FOR MANUFACTURING INSTALLATION ROD

(Customer ordering large quantities can choose any one material type from below or specify any specific material requirements at the time of ordering)

Material Types: 200 Series Stainless Steel
Type 202

Material Group: Stainless Steel Pipe

Stainless Steel Pipe Description:

Our Installation Rods are manufactured from stainless steel type 202. 200 series stainless steels are not new – In fact they have been around for many years. To date they have traditionally not proved very popular outside the USA. However, since they have a much lower Nickel content than 300 Series Austenitic, the very high Nickel price over recent years has led to significantly more interest.

Features:

- Lower Nickel than 300 series – with it being replaced by Manganese
- Thus lower cost than 300 series
- Similar fabrication performance to 300 series, including deep-drawing
- Corrosion resistance similar to 430 (i.e. not nearly as good as 300 series but since our Installation Rods are electroplated and remains in minimal contact with water and other corrosive chemicals, lower corrosion resistance of this material does not affect product performance)
- Non-Magnetic

Performance comparison:

- Formability: Similar to 304, better than 430
- Strength: Stronger than 304 and 430
- Corrosion Resistance at 20°C: Similar to 304 and better than 430 but susceptible to stress corrosion cracking

Chemical Composition											
Designation	Chemical composition % by mass max unless stated										
EN	C	Si	Mn	P	S	N	Cr	Mo	Ni	Others	
202	1.4373	0.15	1.00	7.5/10.5	0.045	0.015	0.05/0.25	17.0/19.0	-	4.0/6.0	-

Other impurities do not preclude the possible presence of other unnamed elements. However, analysis shall be regularly made only for the alloying elements listed in the table. The major element that is not analyzed shall be determined by difference between the sum of those elements analyzed and 100 percent. By agreement between the manufacturer and the purchaser, the limits may be established for elements not specified and analysis done.

Typical Mechanical Properties							
Steel name	Steel number	Product		Proof strength		Tensile strength R_m N/mm ²	Elongation %
		Form	Max thickness mm	$R_{t0.2}$ N/mm ²	$R_{t1.0}$ N/mm ²		
202	1.4373	C	8	340	370	680/880	45
		H	13.5	320	360	680/880	45
		P	75	320	360	600/800	35

Typical Physical Properties	
Property	Value
Density	7.80 Kg/m ³
Thermal Expansion	17 x10 ⁻⁶ /K
Modulus of Elasticity	200 GPa
Thermal Conductivity	15 W/m.K

Disclaimer

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Custom Spring Design:

Drawbar Compression Spring design considerations are numerous. Spring Engineers can assist you in your design efforts if you just provide a few basic spring design parameters. An effective compression spring design has four operating requirements to satisfy. Energy, Space, Environment and Service. Mix these operating specifications well, run them through a quality spring design program and you’ll have the best spring possible for your application.

To request for exact dimensions or technical information for this product, please contact:

techinfo@suzyinternational.com

Suzy International provides following additional services to their customers as a routine:

- Suzy International is a manufacturer and hence apart from our standard products, we can also customized and provide product according to our customer's specification and design.
- We provide customized labeling on product as well as on packaging and we have different packing options with standard size wooden pallet for handling and storage efficiency.
- We have a team of highly qualified engineers and technical staff that provides technical support to our customers in developing new product or designs.
- We have a dedicated team that gives you prompt response regarding any issue arising while the product is in the manufacturing process, or in transit or even after delivery.
- We have varied shipping options in order to cater to the customer's specific transportation needs – from our factory to customer's desired destination.

Suzy International assures complete peace of mind for their customers, by handling virtually all the parameters and aspects – right from customer placing an order to receipt of finished goods at customer's end.

OUR PRODUCTS

BRASS ANCHORS

Standard Concrete Brass Anchor
Single Knurling Concrete Brass Anchor
Double Knurling Concrete Brass Anchor
Single Twist Pop-up Concrete Brass Anchor
Wood Deck Brass Anchor

DRAWBAR COMPRESSION SPRINGS

Heavy Duty Large Spring
Heavy Duty Small Spring
Medium Duty Large Spring
Medium Duty Small Spring
Heavy Duty Double Coil Spring
Medium Duty Double Coil Spring

ALUMINIUM GARDEN SPIKE/STAKES

Aluminium Garden Spike

Standard Aluminium Pipe Anchor Assembly

Tapered End Aluminium Pipe Anchor Assembly

Crimped Head Aluminium Pipe Anchor Assembly

MISCELLANEOUS PRODUCTS

S.S. Buckle

Aluminium Cup

D-Ring

Square Ring

Brass Anchor Collar

Small Spring Cover

Large Spring Cover

Double Coil Spring Cover

Large Wall Anchor Bolt

Small Wall Anchor Bolt

Thunder Bolt

Allen Wrench

Temping Tool Standard

Temping Tool Aluminium

Installation Rod

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Jamnagar – 361005.
Gujarat - India

Manufacturing Facility

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Near Monginis Bakery,
Village: Metoda,
Rajkot-360035.
Gujarat - India