



LOW PROFILE (FG3) SOLAR COVER REEL SYSTEM ASSEMBLY INSTRUCTIONS

PLEASE READ ENTIRE INSTRUCTIONS CAREFULLY BEFORE PROCEEDING

Four Easy Steps:

If you need additional assistance, contact us at info@feherguard.com or call 905-876-4766 Monday to Friday 8:30 a.m. to 5:00 p.m. Eastern Time.

The Low Profile is designed for **rectangular pools with square corners (6" (15 cm) radius or less)**.

This system is to be used with **IG20P - Plugged Tubeset ONLY**.

The end of the pool is the ONLY location for the Low Profile model.

Do not install on pools with raised coping that reduces the clearance from deck to diving board to less than 10" (25.4 cm).

Before starting assembly, **trim cover to clear inside edges of your pool. Recommend 12 mil cover with round bubbles.**

REEL SYSTEMS COMPONENTS AND PREPARATION:

Getting started:

Ensure that your system has two cartons consisting of one end carton and one tube set carton.

Tools required for assembly:

- Portable drill
- Tape measure
- Pencil and Scissors
- Adjustable Wrench

Plugged End Tube	Tube Carton Parts List (IG20P):
	1 Center Tube
	2 End Tubes
	2 Metal Threaded End Tube Plugs

End Carton Parts List (FG-3):

2 Pillow Block Ends	1 Handle
Hardware Kit:	
10 Strap Plates	Rubber Pad
10 Plastic Screws	25 Screws
10 - 26" Straps	2 Nuts
1 - 5" Eye Bolt	1 - 5" Bolt

STEP 1: SOLAR REEL PLACEMENT:

A. The end of the pool is the **ONLY** location for the Low Profile (see Fig. 1).

B. Measure the width of the pool. Maximum width 20' (6.1 m).

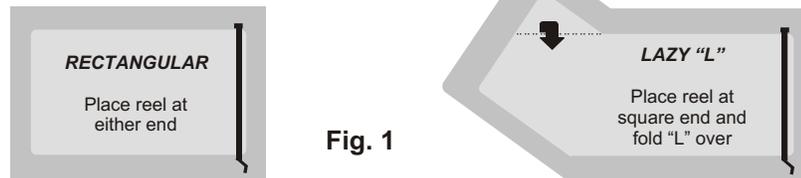


Fig. 1

STEP 2: TUBE ASSEMBLY **Note: THIS STEP REQUIRES A TOTAL OF 12 SELF-DRILLING SCREWS Do not pre-drill holes. Do not over-tighten screws.**

A. Ensure a minimum 12" (30 cm) of each end tube is inside center tube. Less than 12" insert causes screws to loosen and/or tubes to split.

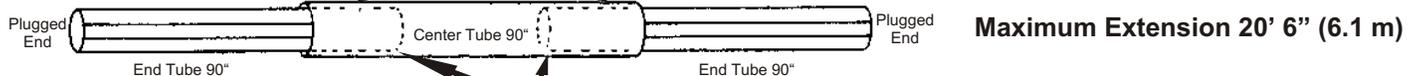


Fig. 2

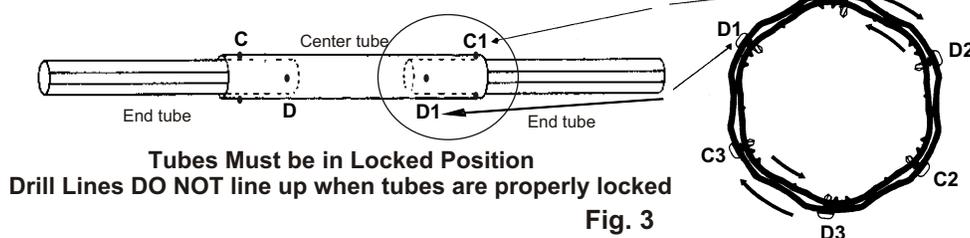
Insert both end tubes equal distance into center tube and mark on center tube where inner tubes end

B. Lock tubes together by rotating the center tube in the opposite direction to end tube. **HOLD TUBES LOCKED WHILE YOU INSTALL FIRST SELF-DRILLING SCREW ON A DRILL LINE, 1" (2.5 cm) back from end of center tube at location "C1" (Fig. 3 & 4).**

C. Place 2 more self-drilling screws at Location "C2" and "C3" - 1 screw at every second drill line around tubes (see Fig. 3).

D. At "D" Locations, install 3 screws around the center tube at every second drill line, 1" (2.5 cm) back from where you marked the end of the inner tube (see Fig. 3).

E. Repeat for other end tube.



**Tubes Must be in Locked Position
Drill Lines DO NOT line up when tubes are properly locked**

Fig. 3

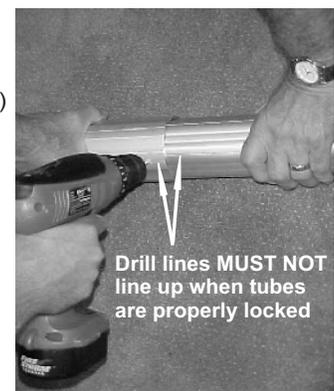


Fig. 4

STEP 2 B ATTACH METAL PLUGS TO END TUBES

Insert a Metal Plug into one End Tube, flush with Tube Edge
 Threaded Center of Plug faces out
 Drill a small "pilot hole" on a Tube Drill Line 2" back from Tube Edge
 through the Tube and into Metal Plug (See Fig. 5)

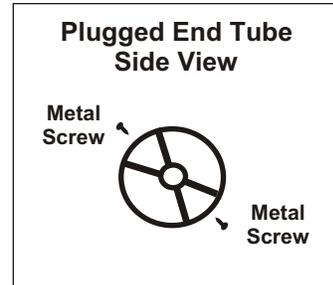
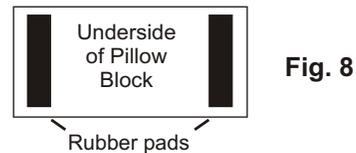
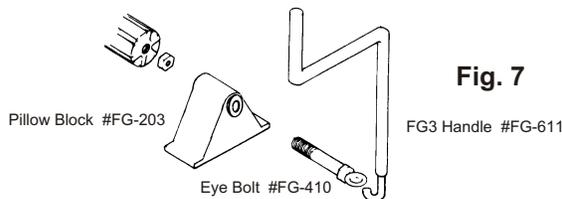
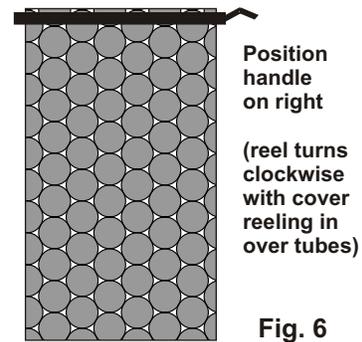


Fig. 5

STEP 3: ASSEMBLE ENDS

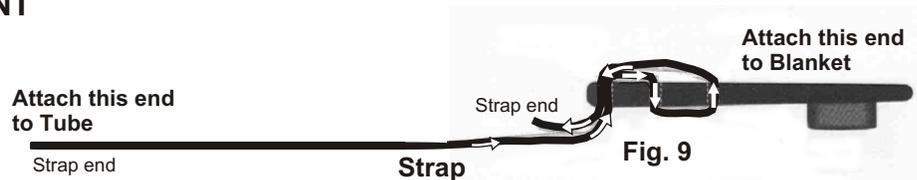
- Insert eye bolt through outside of pillow block and wind nut up to bearings. (NOTE: The FeherGuard name is imprinted on the outside of the pillow block.)
DO NOT TIGHTEN NUT AGAINST BEARINGS.
- The reel is designed to turn **CLOCKWISE** with the cover coming **over the top**. The handle end will be placed on the **right** end of the reel when facing away from the main length of the pool (see Fig. 6).
- Wind the eye bolt fully into the tube end plug at the handle end. Using a wrench, tighten the nut **against the tube plug** (see Fig. 7).
- Repeat assembly for other end using the 5" (12.5 cm) bolt.
- Cut rubber pads in half and apply to underside edges of each pillow block (see Fig. 8).



STEP 4: STRAP ATTACHMENT

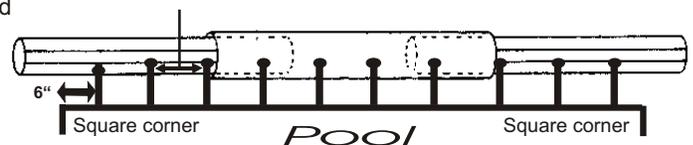
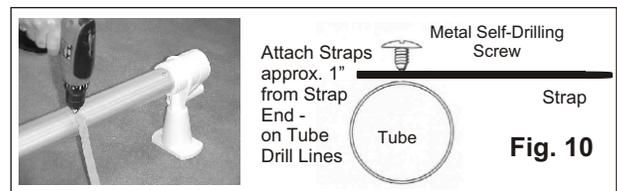
Attach a Strap Plate to one end of all Straps provided (see Fig. 9).

Adjust strap length at the Strap Plate if necessary.



STRAP ATTACHMENT - TO TUBE

- Mark each End Tube 6" (15 cm) in from the inside edge of pool. The first 2 Straps will be attached at these outside marks on a Drill Line (see Fig. 10). The remainder of the Straps will be spaced evenly - on Drill Lines - between the outside 2 Straps.
- Mark all Strap locations before installing. Use all Straps provided. Attach Straps to Tubes at the marks with a Metal Screw directly through the strap material approximately 1" from the end of the strap (see Fig. 10).
DO NOT pre-drill holes or over-tighten Screw.

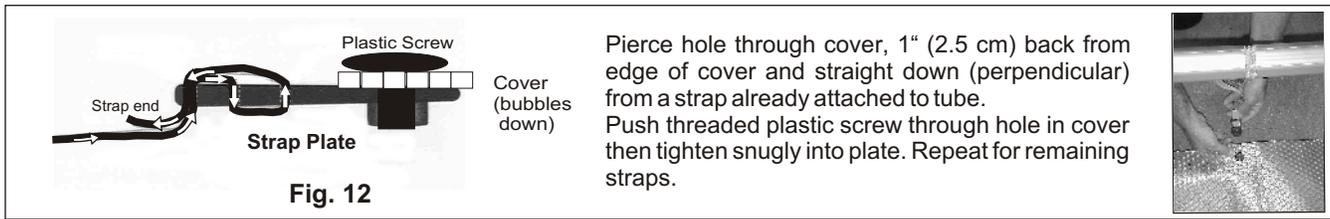


First strap plate is placed 6" in from inside edge of pool.

Fig. 11

STRAP ATTACHMENT - TO COVER

C. Fig.12 - Reel Systems Placed at Pool End Only (Rectangular Pools)



D. When you start to roll up the cover, all straps must grab the cover at the same time. Adjust the strap lengths if necessary.

Safe Use of Your Solar Reel:

Solar Reel systems are designed solely to remove solar covers and are not made to support people or any other weight.

Solar covers must be completely removed before entry into the pool. Under no circumstances, should one swim in a pool partially covered with the solar cover.

Care and Storage:

Check screws periodically and tighten, if necessary. The solar reel may be stored outside for the winter. It is not recommended to disassemble it for storage inside.

In order to protect the warranty on your solar cover, it is essential to use a protective cover when the it is rolled up on the reel. In the summer use a White Sheet with UV inhibitors and in Winter, a Winter Jacket.

If not provided, they can be purchased from your pool retailer or by completing the enclosed order form.



* Other FeherGuard Accessories available through Pool Retailer:

Part Code	Description
FG - FASKIT	TUBE & BLANKET FASTENING KIT (10 sets tube & blanket fasteners & 10-26" s traps/pkg.) ***
FG - PFS	TUBE AND BLANKET FASTENERS (10 s ets / pkg.) ***
FG - RS26	REEL STRAPPING (10 Straps 26" / pkg.) ***
FG - RS50	REEL STRAPPING (1 Roll 50' /pkg.) ***
FG - MPR	MD-GRIP PULL ROPE (helps pull Blanket onto pool 35' rope, 2 clips, 2 plates, 2 fasteners / pkg.) ***
FG - BS2x6	BLANKET STRAPS (2 x 54" / pkg.) (sec ures rolled-up Solar Blanket on Reel) ***
FG - WPS	WHITE PROTECTIVE SHEET SUMMER - (24' x3 1/2')- w ith UV inhibitors ***



Five Year Warranty:

FeherGuard warrants for a period of five years from the date of delivery to the original consumer purchaser, that the Low Profile Solar Cover Reel System shall be free from defects in workmanship or material, under normal use and in accordance with FeherGuard's written installation and use instructions. FeherGuard at its option shall supply free of charge any part found to be defective in workmanship or material.

Any implied warranties are limited in duration to the five-year period from the date of delivery to the original consumer purchaser. **Excluded from this warranty are all consumables (bearings, straps, strap plates, screws). Tarnishing or discoloration of mill aluminum tubes can occur. This is not a warranty issue as tarnishing does not affect tube performance.**

This warranty is void if there is evidence of purchaser abuse, improper installation or normal wear.

FeherGuard will not be liable for incidental or consequential damages resulting from any defects in workmanship or material. Some States/Provinces/Countries do not allow the exclusion or limitation of incidental or consequential damages, so the foregoing limitations or exclusions may not apply.

This warranty gives the claimant specific legal rights. The provisions of this warranty are in addition to and not a modification of or a subtraction from the statutory warranties and other rights and remedies contained in applicable local legislation.

To validate warranty, return this registration form within 30 days of purchase. You may also register your warranty ONLINE on our Website homepage - www.feherguard.com.

Warranty claims should be processed through your Dealer and include your proof of purchase.

FeherGuard Products Ltd. 3153 Steeles Avenue West #5
Milton, Ontario CANADA
L9T 2V4

Specifications subject to change without notice.

08/14

Thank you for buying the Low Profile Solar Cover Reel System. We know it will make solar cover handling easy for you.



FeherGuard "Five Year" Warranty Registration

Please Print

PURCHASER: _____

ADDRESS: _____ CITY: _____

STATE/PROVINCE/COUNTRY: _____ ZIP/POSTAL CODE: _____

MODEL #

STORE LOCATION

PURCHASE DATE