



ASSEMBLY INSTRUCTIONS

COMMERCIAL REEL SYSTEMS FGC/CT20' FGC/CT24' FGC/CT30'

PLEASE READ ENTIRE INSTRUCTIONS CAREFULLY BEFORE PROCEEDING

Four Easy Steps:

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

REEL SYSTEM COMPONENTS AND PREPARATION:

Ensure your system has the quantity of cartons shown below, consisting of one end set and one tube set. 2 people make assembly easier.

Tools required for assembly:

- Electric drill
- Safety Glasses
- Tape measure, Pencil & Scissors
- Adjustable Wrench
- 1 Hex Key

Reel System Carton check list:

FGC/CT20 - 1 end carton and 1 tube carton
FGC/CT24 - 1 end carton and 1 tube carton
FGC/CT30 - 1 end carton and 2 tube cartons

End Carton Parts List:

2 'T' Ends 1 Axle c/w Collar
 2 Metal Tube Plugs 1 Handle
 4 Casters (4") & 4 Washers & 4 Nuts

Hardware Kit: (Extra Hardware is included)

15 - 40" Straps
 15 Strap plates 15 Plastic Screws
 42 #12 tek screws 2 Bolts with nuts

STEP 1: SOLAR REEL PLACEMENT:

A. Determine the best location for the Reel(s) on the pool (see Fig. 2). The end of the pool is often the preferred location. On some pools, a mid-point location may be required to prevent dragging the blanket over the deck or avoid diving boards and ladders. Small blanket extensions may be folded in. Wall mounting is possible by removing the casters.

B. **Trim blanket to clear inside edges of pool.** Upon completion of reel assembly and installation, give blanket a final trim so that blanket does not touch sides of pool when rolling up.

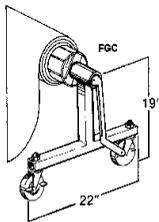


Fig. 1

FGC/CT20 - Maximum cover size - 20' x 90' (Max. Cover Weight 125 #)
FGC/CT24 - Maximum cover size - 24' x 80' (Max. Cover Weight 125 #)
FGC/CT30 - Maximum cover size - 30' x 60' (Max. Cover Weight 125 #)

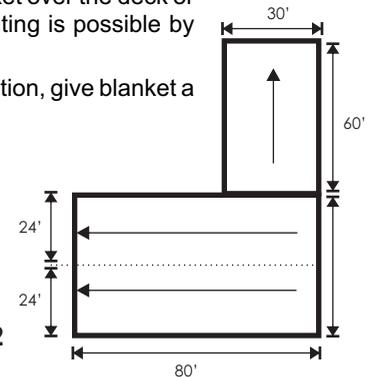


Fig. 2

STEP 2: TUBE ASSEMBLY

A. At the determined location, measure the maximum width of cover and add 12". (Do NOT count pieces which may be folded in). Insert the End Tubes an equal distance into the Center Tube(s) (see Fig. 3). **Always ensure Minimum Insertion of End Tubes inside the Center Tubes(s) (see Fig. 4).** Less than minimum insertion will cause screws to loosen and/or tubes to split.

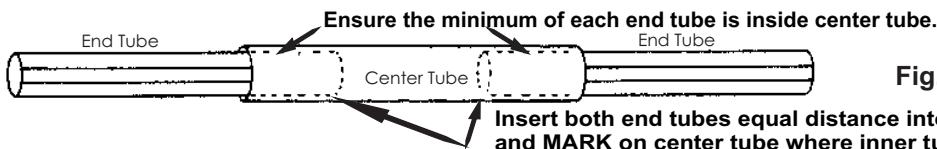


Fig. 3

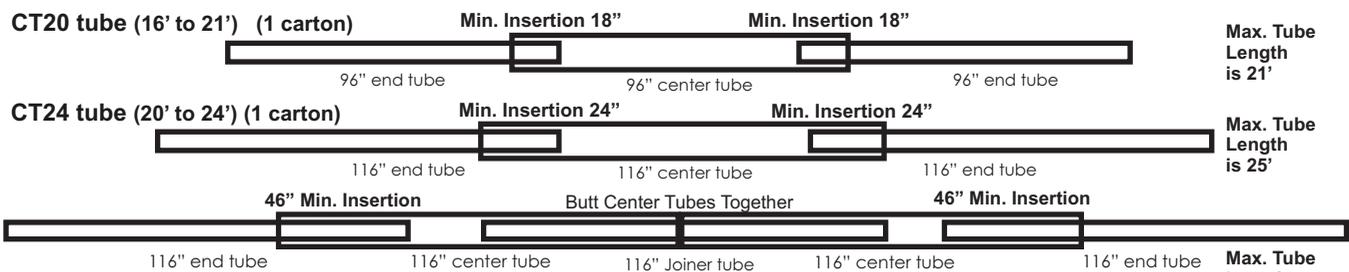


Fig. 4

** CT30 tube (28' to 31') (2 cartons)

** Extra assembly hardware is included in tubeset carton.

STEP 2: TUBE ASSEMBLY CONTINUED

EACH TUBE JOIN REQUIRES A TOTAL OF 12 - stainless steel self-drilling Tek screws installed along a DRILL LINE.

Do not pre-drill holes or over-tighten screws. Make small "pilot" hole if necessary.

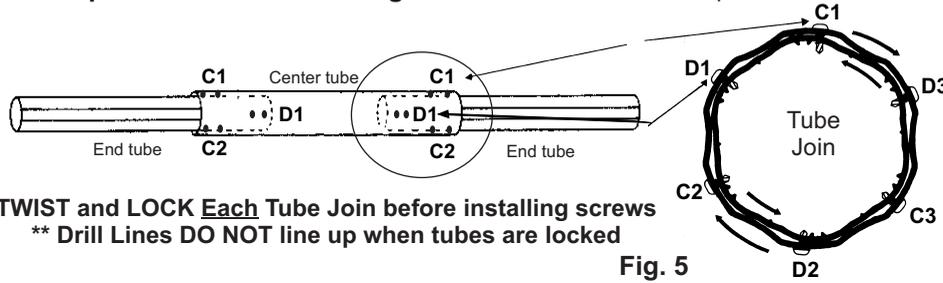
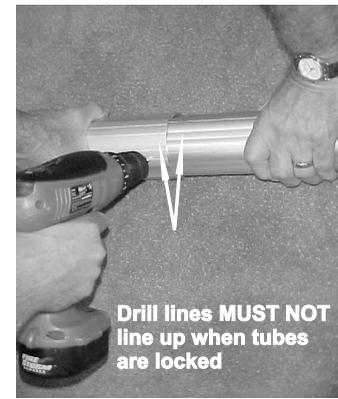


Fig. 5



Drill lines MUST NOT line up when tubes are locked

Fig. 6

TWIST and LOCK Each Tube Join before installing screws

**** Drill Lines DO NOT line up when tubes are locked**

- B. ** Lock tubes together by rotating the Center tube in the opposite direction to End tube. **HOLD TUBES LOCKED WHILE YOU INSTALL 2 SELF-DRILLING SCREWS ON A DRILL LINE, starting 1" (2.5 cm) back from end of center tube at location "C1"** (Fig. 5 & 6).
- C. Place 2 self-drilling screws at location "C2" and 2 more at "C3" - (2 screws at every second DRILL LINE around tubes.) (see Fig. 5).
- D. At "D" locations, install 2 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. 5).
- E. Repeat for all other Tube Joins. Do not forget to Twist and Lock** Tubes before installing the first screws.

STEP 3: ASSEMBLE ENDS

- A. Insert Handle shaft through top of a "T" stand.
- B. Slide Metal Plug on to shaft of Handle and line up the holes in the Plug and the Handle shaft
- C. Push a 1 1/2" bolt through both holes and tighten with nut.
- D. Push Plug into End Tube up to and EVEN with the opening then insert **TWO** #12 self drilling screw approximately 1" back from end of tube and through **EACH** 'lip' of Plug (see Fig. 7). (Drill small pilot holes.)
- E. REPEAT above for Axle End. Adjust Collar position if necessary.
- F. Attach the 4 Locking Casters to the two "T" stands using Washers and Nuts provided.

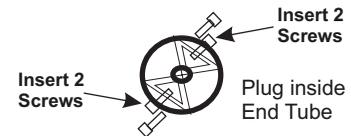


Fig. 7

STEP 4: BLANKET ATTACHMENT

- A. Mark each end tube 6" (15 cm) in from the inside edge of pool. Straps are installed on a DRILL LINE at these marks and the remainder spaced evenly between these marks. (see Fig. 8)
- B. Cut 15 Straps to 40" (1meter) lengths (melt ends to prevent fraying) Maximum distance between straps is 30" (76cm).
- C. Attach a Strap Plate to one end of all straps (see Fig. 9).
- D. Attach Straps to Tube with Metal Screw along a DRILL LINE (see Fig. 10). **Do not pre-drill holes.** Small "pilot" holes are acceptable. **Do not over-tighten screws.**
- E. All Straps should grab cover at the same time. Adjust Straps at Strap Plate if necessary.

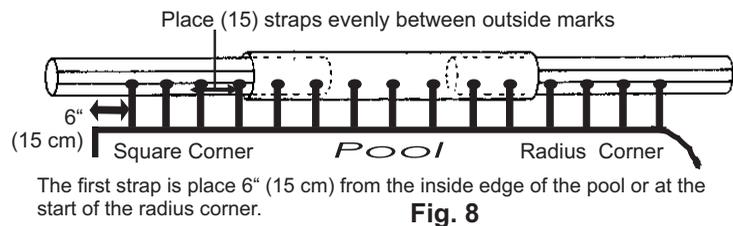


Fig. 8

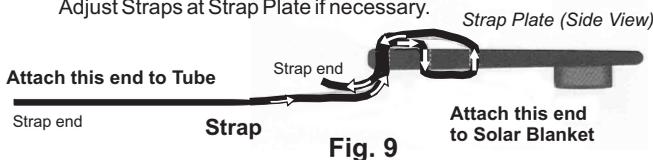
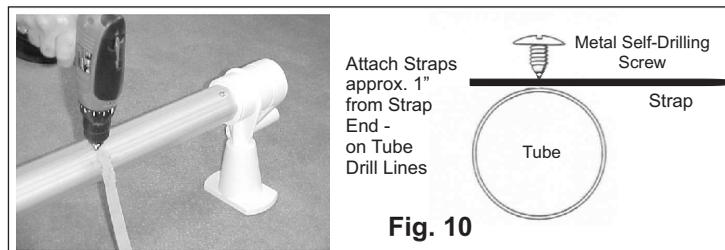
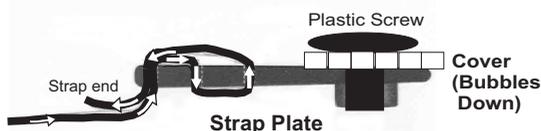


Fig. 9



Attach Straps approx. 1" from Strap End - on Tube Drill Lines

Fig. 10



Attach cover end of strap to Strap Plate (see Fig. 9) then pierce hole through cover Bubbles Down), directly below strap on tube and 1" (2.5 cm) back from edge of cover. Push plastic screw through hole in cover and tighten snugly into Strap Plate.

Fig. 11



Safe Use of Your Solar Reel:

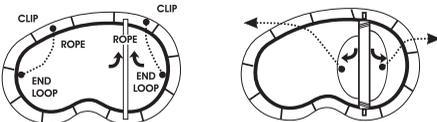
- Solar Reel systems are designed solely to remove solar blankets and are not designed to support people or any other weight. Solar Blankets must be completely removed from the pool before entry into the pool.
- Under no circumstances, should one swim in a pool partially covered with the solar blanket.

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.

FeherGuard Accessories available through Pool Retailer:

- FG-FASKIT** Tube & Blanket Fastening Kit (10 sets tube & blanket fasteners & 10 - 26" straps / package)
- FG-PFS** Tube & Blanket Fasteners (10 sets / package)
- FG-RS50** Reel Strapping (1 Roll 50' Strapping / package)
- FG-MPR** Mid-Grip Pull Rope (helps pull Solar Blanket onto Pool - 35' Rope, 2 clips, 2 plates, 2 fasteners / package)
- FG-BPS** Protective Sheet with UV Inhibitors (Helps protect Solar Blanket on the reel 24' x 3 1/2' / package)
- FG-BS2X6** Blanket Straps (secures rolled up Solar Blanket on Reel - 2 x 54" straps with buckles / package)



MID-GRIP PULL ROPE (FG-MPR) (Available from your Dealer)

Clips to side for easier access when cover is rolled.

Makes pulling cover onto the pool easier.

For ease of pulling cover on pool, we suggest using the Mid-Grip Pull Rope accessory. This easily attaches to the cover as shown at the left.



VACUUM HOSE REEL (FG-VHG)

Available through your local Pool Retailer

- Holds up to 50' of 1 1/2" Vacuum Hose
- Durable polyethylene construction
- Also for Pool Backwash Hose, Electrical Cord (100') or Garden Hose (100')



FG-VHG



Three Year Warranty:

FeherGuard warrants for a period of three years from the date of delivery to the original consumer purchaser, that the Commercial 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 three-year period from the date of delivery to the original consumer purchaser. **Excluded from this warranty are all consumables (bearings, straps, strap plates, screws).**

This warranty is void if there is evidence of improper installation, purchaser abuse 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 at www.feherguard.com.

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

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Specifications subject to change without notice

Thank you for buying the FeherGuard Commercial Solar Blanket Reel System. We know it will make solar blanket handling easy for you.

"Three Year" Warranty Registration		Please Print
PURCHASER: _____		
ADDRESS: _____		CITY: _____
STATE/PROVINCE: _____		ZIP CODE/POSTAL: _____
Commercial Reel ____ Feet		
MODEL _____		PURCHASE DATE _____