

Installation Instructions for: Super & Deluxe Hoists

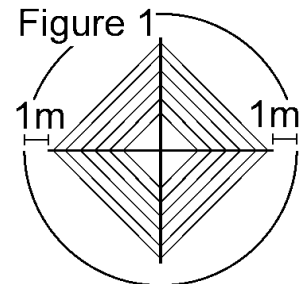
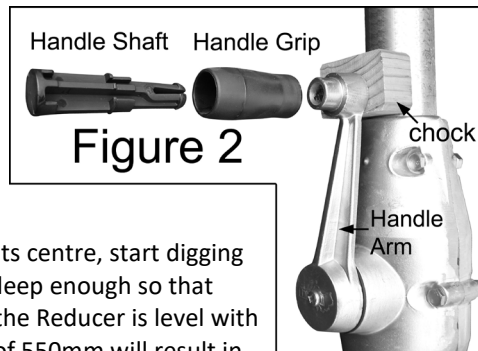
Your Austral Rotary Clothes Hoist is designed to last a long time. It is important to follow these instructions so you will enjoy the benefits of a properly installed hoist. Incorrect installation could damage your hoist and/or void your guarantee. If at any time your Austral Hoist should not function correctly or if spare parts are required, call your state distributor listed on the guarantee page.

Site Selection & Digging (Steps 1 - 3)

Important: Before digging, ensure the area is safe and clear of electrical, gas and plumbing services etc (refer to Dial Before You Dig (Aus), beforeUdig (NZ), any architectural drawings etc).

1 Select a site that gives 1m clearance to the end of each arm of the hoist (2m more than hoist's diameter), see Figure 1.

2 Place Handle Shaft through Handle Grip then tap into hole in Handle Arm whilst supporting behind the Arm with a chock, see Figure 2. Turn the handle anti-clockwise to ensure the hoist is wound down as far as it goes. Also fit Handle Cover to Deluxe models.



3 Ensure it is safe to dig at the selected site. At its centre, start digging a hole 150-200mm in diameter. Dig the hole deep enough so that when the Column is stood upright in the hole the Reducer is level with the user's head height, see Figure 3. A depth of 550mm will result in the Cross being 1700mm high and the outer lines being approximately 1850mm high when the hoist is wound down. After height is set, allow Column to lean over and rest in the hole.

3a Deluxe models only: remove the Column from the hole and insert the Steel Rod through the pre-drilled holes in the bottom of the Column. Place Column back in the hole. Note: instead of a Steel Rod, Super models have a crimped bottom tube to hold firm in concrete.

Equipment Required

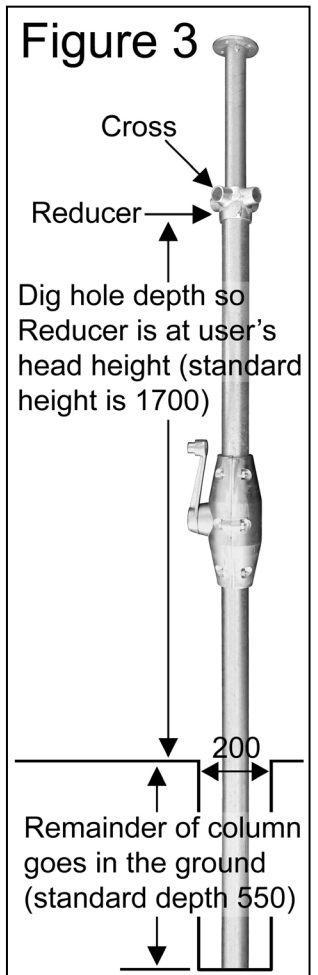
Spirit level, crowbar, shovel, screwdriver, pliers, concrete, drainage gravel, tape measure

Parts Supplied

Qty	Description	Part Number
1	Rotary or Helical Column	R/COL (Super) or H/COL (Deluxe)
4	Arms (1975mm or 2475mm)	RH01A (4m model) or R06A (5m model)
1	Handle Grip, Black Plastic	FRC11
1	Handle Shaft, Black Plastic	FRC12
4	Round End Caps, Black Plastic	R19
1	Wire Roll (50m or 70m)	R14 or R15
4	Tubular Stays (1500mm or 1995mm)	RH03A (4m model) or R08A (5m model)
4	Bolt, 35mm x 6mm	FA18
4	Bolt, 20mm x 6mm	RH04
8	Nylon Lock Nut, 6mm	FRC22
4	Washer, 6mm	R18

Deluxe Hoists only:

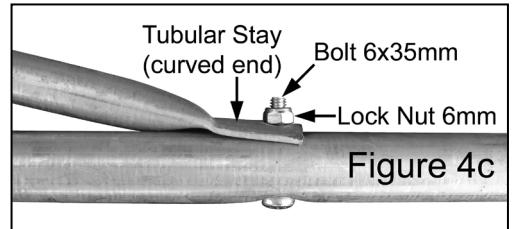
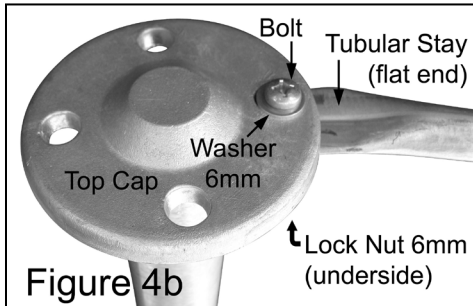
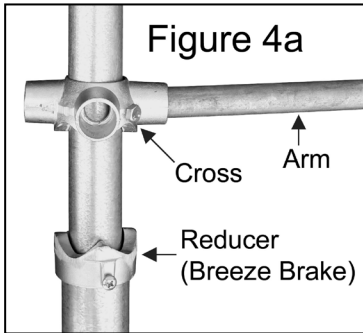
1	Handle Cover, Black Plastic	HE03
1	Steel Rod, 150mm x 8mm	FA24



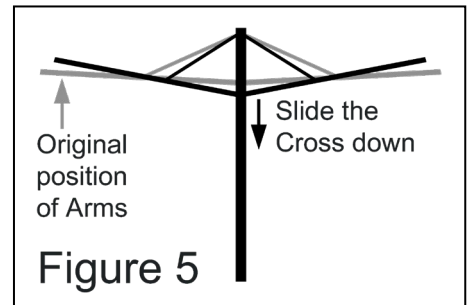
Head Section Assembly (Steps 4 - 5)

Tip: If you would prefer to concrete the Column in before assembling the Head Section then skip to “Concreting (Steps 11-12)”. After allowing the concrete to cure for 48 hours continue with Step 4 onwards.

4 Note: Only finger-tighten bolts at first. Tighten firmly after all Arms & Stays are attached. Put an Arm into the Cross and allow to rest, see Figure 4a. Put a 20mm x 6mm Bolt through a 6mm Washer and fit through the top of the Top Cap. Secure the flat end of a Tubular Stay to the under side of the Top Cap with a 6mm Nylon Lock Nut, see Figure 4b. Locate the pair of punched holes in the Arm that are perpendicular to all the other punched holes. Using these holes, fix the curved end of the Tubular Stay to the Arm with a 35mm x 6mm Bolt and a 6mm Nut, see Figure 4c (the bolt faces up so it won't scratch people's heads). Repeat on other Arms. Tighten all nuts & bolts.



5 Wire holes on the Arms need to be horizontal and may need adjusting. To do this, insert a screwdriver through a pair of wiring holes and use it as a lever to rotate the Arm until horizontal. Repeat on other Arms.

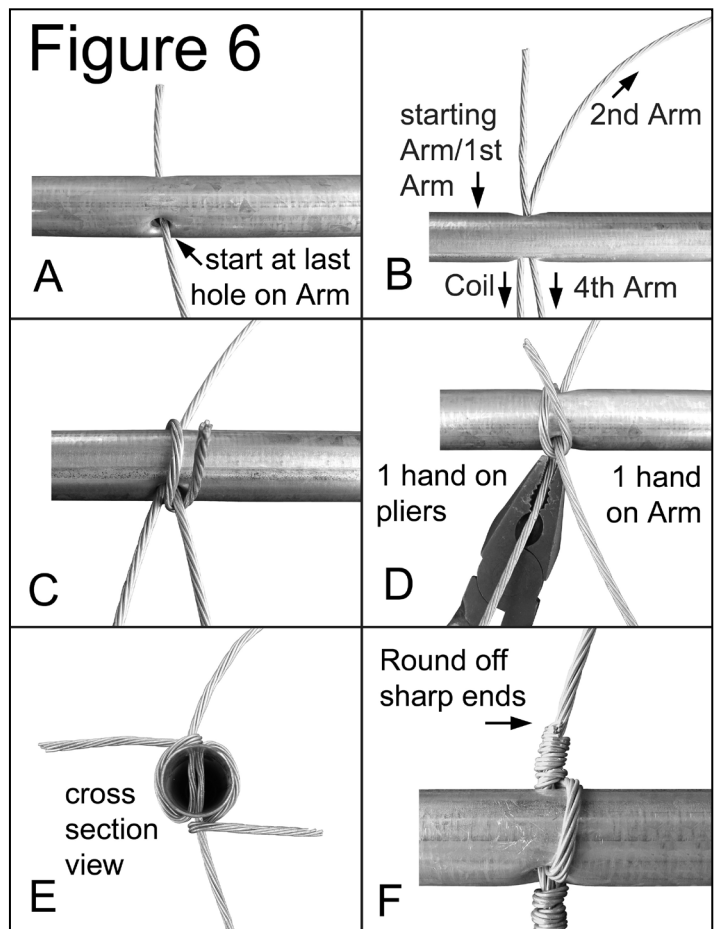


Wiring (Steps 6 - 10)

Tip: to reduce wire tangling, do not unwind the wire coil under the clothes hoist. Instead, place the coil 5m or more from the clothes hoist and secure it before pulling wire off. If possible, get another person to help by holding the wire roll.

6 From the fully wound down position, wind the hoist up a little, see Figure 4a. Wind up 150mm for 4m diameter hoists & 100mm for 5m hoists. Loosen the Bolt in the Cross. With the Arms still in the Cross, slide the Cross down to meet the Reducer/Breeze Brake, see Figure 5. Later the Cross will be slid back into place, which further tensions the wires.

7 Tip: be careful not to pull the Arms sideways to far during tensioning as this can damage the Cross. Thread the wire through the outer most hole on each Arm, see Figure 6a. When you get back to the start, thread it through the first hole again, see Figure 6b. Bend the tail end over the Arm and bend it back around itself, see Figure 6c. Walk around the line and straighten any kinks in the wire by hand. Cut the section of wire running between the coil and the Arm, allow a loose end of about 200mm (Note: each line will have a separate piece of wire). Using a pair of pliers or vice grips, pull the loose end *taut whilst pushing against the Arm with your other hand, see Figure 6d. When *tight, bend the loose end under the Arm and bend it back around itself, see Figure 6e. Twist each of the loose ends around itself for 3 or 4 turns and then cut the wire so that the ends are pointing to the ground (ends pointing up will catch on washing). Use pliers to shape the loose ends back into itself and round off any sharp edges, see Figure 6f.



*Tensioning should be progressively tighter as you move from the outer most line to the inner most line. The 3 outer lines should be tightened by simply pulling the wire firmly whilst pushing against the Arm. The remaining lines should be tightened similarly but with the addition of twisting the pliers and levering them against the Arm to gain extra tension. Do not make the outer lines too tight as they are the most effected when the Cross is moved back to its original location.

- 8 Check the distance between each Arm is approximately 90 degrees by standing at the end of each Arm & looking/sighting along the Arm toward the end of the opposite Arm. Tap the Arms sideways to correct their alignment where necessary.
- 9 Starting on the same Arm (1st Arm), repeat step 7 and 8 for the remaining lines. However, thread and tension each wire in the opposite direction to the previous; clockwise, counter clockwise, clockwise etc. This prevents the Arms from being pulled too far to one side.
- 10 After all lines have been wired and tied off, the Cross can be moved back into place (doing so will add tension to the lines). While pulling down on the Top Cap, wind the Column all the way back down. Ensure that the Arms and Cross line-up with the holes in the Top Cap then re-tighten the bolt in the Cross. Fit the 4 Round End Caps.

Concreting (Steps 11 – 12)

- 11 Mix concrete in the ratio of 4 gravel, 2 sand and 1 cement or use premixed concrete bags. To hold the Column erect, the concrete must be mixed fairly dry but should just be wet enough that it sticks to itself, it should not crumble.
- 12 With the Column resting in the hole, add 50-100mm of drainage gravel around the base of the Column. Then pour concrete into the hole until it reaches 20mm from finished ground level (last 20mm will be soil). Stand the Column up straight and use a spirit level to ensure it is plumb. Pack/tamp the concrete using a crowbar or similar and repeatedly plunge it into the concrete to ram it tight (this removes air pockets). If the concrete level drops after packing, top it back up so it stays 20mm below ground level. Alternate between checking the Column is plumb and packing the concrete. Repeat until the Column is plumb, and the concrete is packed tightly (ie when further packing has no effect on the concrete level). The drier mix of packed concrete should hold the Column in place. Fill the last 20mm of the hole with soil and gently pat down. Check Column is plumb once more for final position.

*****DO NOT USE OR TOUCH FOR 48 HOURS*****

Maintenance & Tips to Ensure Long Life of Your Hoist

- Do not swing on the clothes hoist!
- Wind the hoist fully down to engage the Breeze Brake (Fig 4a). This stops the hoist from spinning while you hang washing.
- Only use the Breeze Brake (Fig 4a) while hanging washing. Leaving it engaged while drying or not in use may cause unnecessary wear.
- Occasionally check all nuts and bolts for tightness.
- After many years, the gearbox gears may become dryer and benefit from lubrication. Signs of this include the winder becoming harder to turn. A nylon safe grease in an aerosol can with a straw nozzle is recommended. Loosen the gearbox bolts just enough to fit the straw nozzle, spray the gears inside, wind the hoist up/down, spray a different section, repeat, re-tighten the gearbox bolts when finished.
- After many years, if the winder becomes stiff and there is a lot of ant activity around the gearbox, the ants may be nesting in the gearbox and placing dirt between the gears. Apply grease as per the step above. If left for a long time the gearbox may need to be cleaned thoroughly first.

January 2022

MANUFACTURER'S WARRANTY

Austral Clothes Hoists Pty Ltd ("Austral") provides the following warranty in relation to its Clothes Lines products ("Product").

WARRANTY

Subject to the exclusions below, Austral warrants:

- **for 12 months from date of purchase:** the repair or replacement, in its discretion, of any Product that fails to operate correctly due to faulty workmanship or defective materials. The "materials" includes the plastic components and cord.
- **for 20 years from date of purchase:** the repair or replacement, in its discretion, of any part of the tubular frame that is broken or distorted as a direct result of rust. The "tubular frame" comprises the circular, square or rectangular hollow steel frame on powder coated or galvanised Product.

The benefits of this warranty are in addition to the non-excludable rights and remedies imposed by Australian State and Federal legislation.

WARRANTY CLAIMS

To make a warranty claim, please contact your place of purchase or your local Distributor with details of the alleged defect and your original receipt as proof of purchase. Where it is deemed necessary, Austral will arrange for the inspection of your Product.

You must bear the cost of making the Warranty claim. Austral will bear the cost of repairing or replacing defective Product (including freight or postage of replacement Product).

WARRANTY EXCLUSIONS

Austral's Products are suitable for air drying purposes.

The Warranty does not cover:

- Defects caused through abuse or misuse.
- Incorrect adjustments or unauthorised repairs.
- Defects caused by incorrect installation.
- Product damage or deterioration due to abnormal environmental conditions including extreme coastal, storm damage, fire, wind, humidity, pressure, stress and similar.
- Powder coat deterioration caused by exposure to sea air where the Product is installed in coastal areas.
- Defects caused through normal wear and tear.
- Defects caused through the installation or use of a clothesline cover or sunshade.

SPARE PARTS

Austral maintains stock of spare parts for a reasonable period of time. Spare parts may not be available for the entire duration of this Warranty.

Austral reserves the right to repair or replace defective Product with parts and components of similar quality, grade and composition where an identical part or component is not available.

Goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired.

LIMITATIONS

Austral makes no express warranties or representations other than as set out in this warranty. The repair or replacement of the Product or part of the Product is the absolute limit of Austral's liability under this express warranty.

DISTRIBUTORS

State:	Phone:	Address:
VIC & TAS	03 9799 8122	32-34 Hydrive Close, Dandenong South, VIC, 3175
NSW & ACT	02 9958 1533	PO Box 380, Cammeray, NSW, 2062
SA & NT	08 8337 4445	20 Sunbeam Road, Glynde, SA, 5070
WA	08 9455 1985	Unit 3, 12-14 Panama Street, Canning Vale, WA, 6155
QLD	07 5596 2520	8 / 24 Palings Court, Nerang, QLD, 4211

Contact your local Retailer or Distributor for Spare Parts, Accessories and Warranty claims.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.