

## SC120 Lifting Crane Fitting Instructions Installation Instructions

**Do not exceed a maximum working load of 30kg/66lbs**



Fig 1.

### SC120 Kit Contents:

- [ ] 1 x SC120 lifting Crane
- [ ] 2 x 3" Clamp Pairs
- [ ] 2 x 3" Clamp Fixing

### Packs:

- [ ] 4 x M6 x 20 Bolts
- [ ] 4 x Nylock M6 Nuts
- [ ] 8 x Nylon Washers
- [ ] 8 x Nut Covers

Packed and checked...

- [ ] 2 x Ferrule Plates
- [ ] 1 x R Clip
- [ ] 1 x 4:1 Lifting Tackle Rig
- [ ] 8 x Rivets - 4.8 x 16

### Also Required:

- 5mm [3/16"] Drill
- Rivet Gun
- 2 x 10mm Spanners

Fig 2.

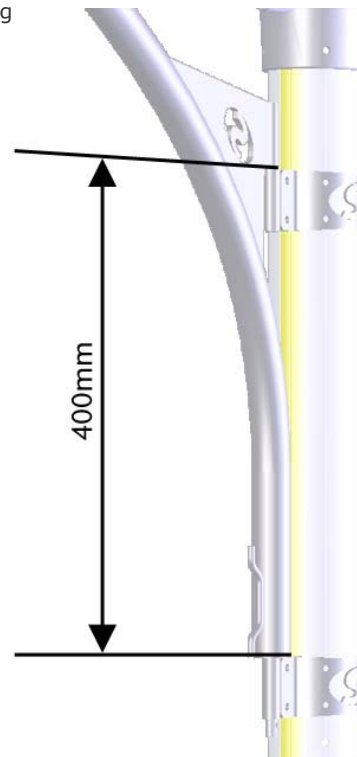
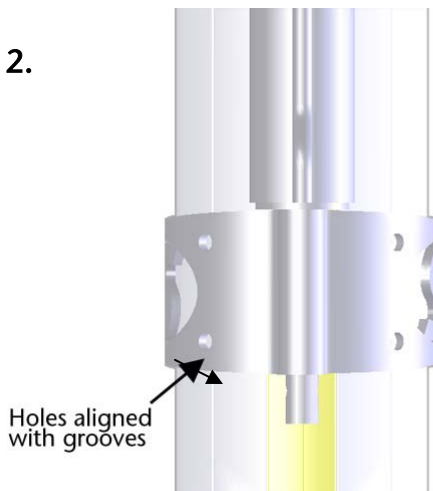


Fig 3.

## Installation Procedure – Clamp and Ferrule Set-up

1. To ensure safe operation of the SC120 system, rivet the 3" clamps provided to the modular pole as follows.
2. Assemble 3" Clamps around the Modular Pole and fit a Ferrule Plate to each Clamp set by positioning it between the 3"Clamp flats. Using M6 Bolts, Nylock M6 Nuts and Nylon Washers from Fixing Pack, loosely tighten the clamp assembly into positions similar to that shown in Fig. 1 above.
3. The modular pole has four vertical grooves running along its length. Each 3" clamp assembly has a pair of holes either side of the Ferrule plate. Align these holes with a pair of vertical grooves to position as desired. Aligning the 3" Clamps and Ferrules in this way ensures the Crane will hang rotate correctly.\*
4. Set the top edge of the Upper Ferrule and Clamp Assembly at the desired height. Tighten into place.
5. Set the top edge of the Lower Ferrule and Clamp Assembly at exactly 400mm from the top edge of the Upper Ferrule and Clamp Assembly. Tighten into place ensuring the clamp is still aligned on the vertical grooves. See Fig 3.
6. Mark a drill centre through each of the 4 holes in each 3"Clamp.
7. Remove each 3"Clamp and Ferrule assembly and using the 5mm [3/16"] drill, drill through the pole at each mark made in 5.
8. Fix each 3" Clamp to the pole as previously set up, ensuring alignment of the holes created in 6. and fully tighten.
9. Using the rivets provided fix the clamps **permanently** to the pole.

\* If retro fitting the SC120 to a modular pole system older than spring 2005 version, you will not have the vertical grooves on your pole. Fit the clamps in the same way, 400mm apart as described in 4. Take care to align the Ferrules directly above one another accurately.

## Crane Set-up

1. To fit the Crane to the Pole simply insert the pins on the Crane into the Ferrules. The crane should swing freely.
2. To secure the Crane in place, insert the R-Clip through the hole in the bottom of the pin showing through under the lower Ferrule. Release this pin to remove the Crane for stowage.