CLYDESDALE
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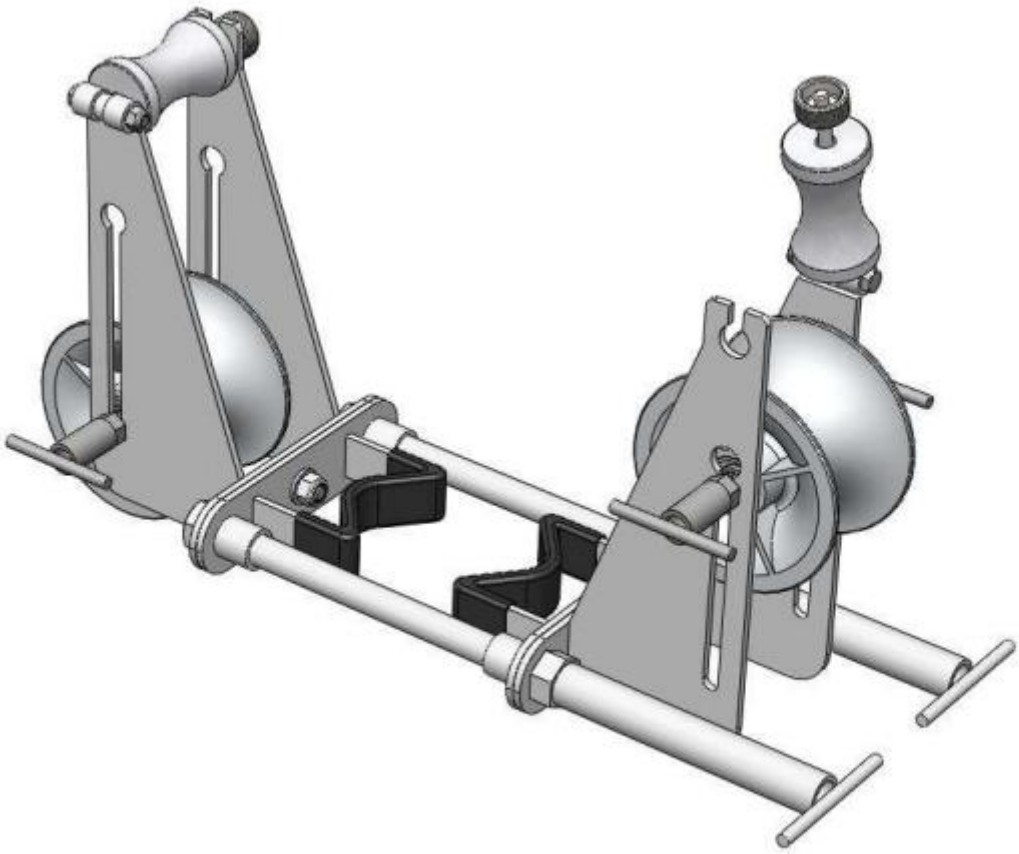
**User Instructions:** Post Insulator Mounted roller - vertical

# CLY 680 400



## READ THESE INSTRUCTIONS CAREFULLY BEFORE OPERATING

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**Description**

This roller is designed to be used when stringing and restringing conductor on “trident” style conductor configurations. This roller is used for the centre phase conductor only – vertical insulator. This roller is designed to be clamped directly to the post insulator ends and to allow free running of the conductor over the rollers while stringing.

**Usage**

It is up to the individual using these rollers to decide on the exact installation arrangement that suits the set-up being worked on. This roller assembly must be used in accordance with the employers standard working procedures and health and safety policy including all risk assessments for working at height. Care must be taken to ensure the maximum loading stated in the specification below is not exceeded at any point as this could lead to failure of roller assembly.

The key features of the design that can be used on installation are:

**1**. Adjustable height rollers. This can be used to customise the loading on each roller to suit a particular arrangement. The roller height can be adjusted by:
a. Undoing the “T” handle on each side of the roller approximately 1 turn only (to prevent dropping the “T” handle).
b. Pushing the roller to the desired position. These are designed to be a stiff sliding fit to aid retightening of “T” handles without roller moving.
c. Retightening “T” handles. The shafts through the centre of the rollers have a flat on them to stop them turning in the main height-adjustment slot in use and when tightening. This means it is not necessary to hold the “T” handles on both ends of the shaft when tightening.

**2.** Split clamp design. The clamp is adjustable to suit insulator diameters from approx 77 to 127 mm. During installation or removal of roller assembly the main clamping “T” handles can be fully removed and the roller split in half if required. The threaded clamping bolts are pinned in place so that they will not fall out in use.

**3.** Conductor arrestor rollers. These are purely to stop the conductor lifting out of the roller assembly unintentionally in use. They are not design to be load bearing.

**4.** Rubberised foot. This is to allow the use of the roller assembly on insulators with a construction or surface coating that may get damaged during installation (eg. Galvanising).

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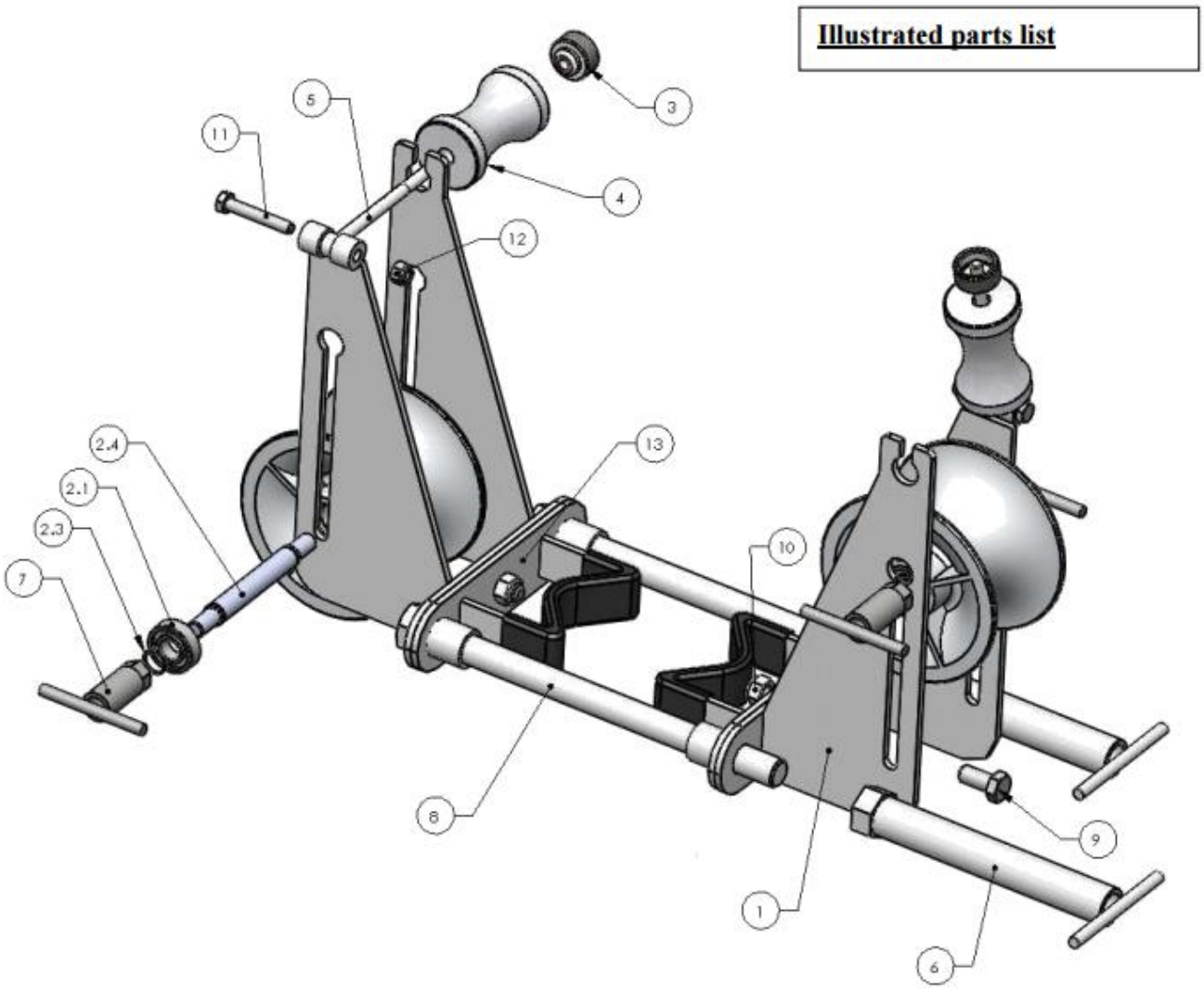
**Specification**

Construction:
- Plain carbon steel sheet, zinc plated.
- Aluminium rollers.
- PVC coated clamps.
- Ball bearing roller support.
- High tensile steel clamping bolts.

Weight of assembly: 12.5kg

Maximum loading in use: 250kg per single roller, 500kg overall for roller assembly.



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| ITEM NO. | PART NUMBER | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | ZZ 680 0042 | DOUBLE FIN BRACKET | 2 |
| 2 | ZZ 680 0000A | ROLLER ASSY C/W SHOULDERED SHAFT | 2 |
| 2.1 | ZZ 140 006 | BEARING 6202 2RS | 2 PER |
| 2.2 | ZZ 680 0001 | ALUMINIUM ROLLER | 1PER |
| 2.3 | ZZ 105 15E | CIRCLIP FOR 15MM SHAFT | 2 PER |
| 2.4 | ZZ 680 0002A | MODIFIED ROLLER SPINDLE | 1PER |
| 3 | ZZ 680 0016 | KNURLED KNOB | 2 |
| 4 | ZZ 680 0033 | TOP ROLLER | 2 |
| 5 | ZZ 680 0043 | CONDUCTOR ARRESTOR ROLLER SHAFT | 2 |
| 6 | ZZ 680 0044 | M20 T-BOLT | 2 |
| 7 | ZZ 680 0045 | M12 T-BOLT | 4 |
| 8 | ZZ 100 20300 | BOLT M20 X 280MM PLATED | 2 |
| 9 | ZZ 100 1040 | M12 X 25 HEX BOLT | 2 |
| 10 | ZZ 120 12 | M12 NYLOC NUT | 2 |
| 11 | ZZ 100 0850 | M8 X 50 BOLT | 2 |
| 12 | ZZ 120 08 | M8 NYLOCK NUT | 2 |
| 13 | ZZ 680 0041 | INSULATOR CLAMP | 2 |