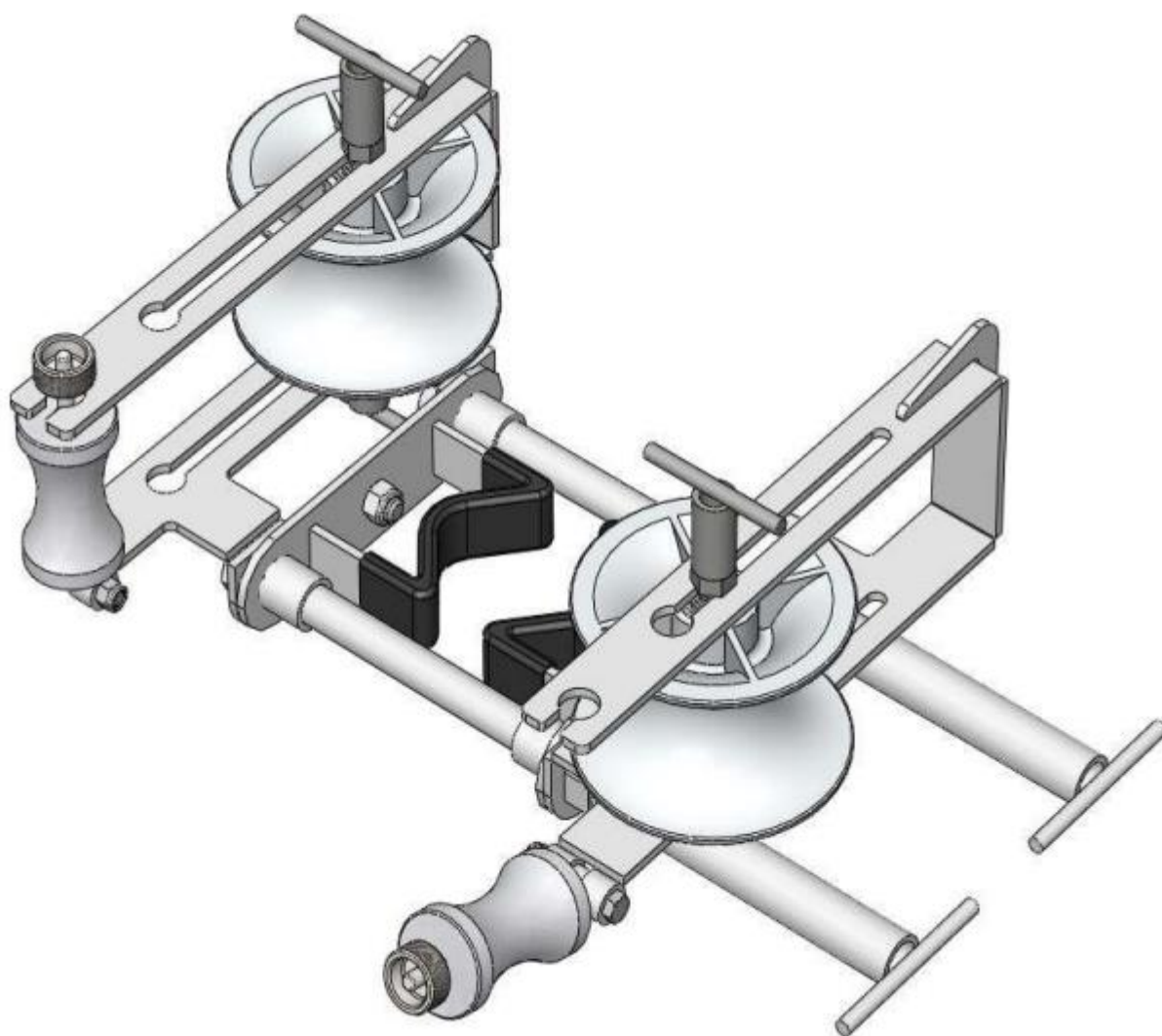


**User Instructions:** Post Insulator Mounted roller - horizontal

CLY 680 420



**READ THESE INSTRUCTIONS  
CAREFULLY BEFORE OPERATING**

### User Instructions: Post Insulator Mounted roller - horizontal

#### Description

This roller is designed to be used when stringing and restringing conductor on “trident” style conductor configurations. This roller is used for the outer phase conductors only – angled 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 employer’s 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 position 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 (e.g. Galvanising)

### User Instructions: Post Insulator Mounted roller - horizontal

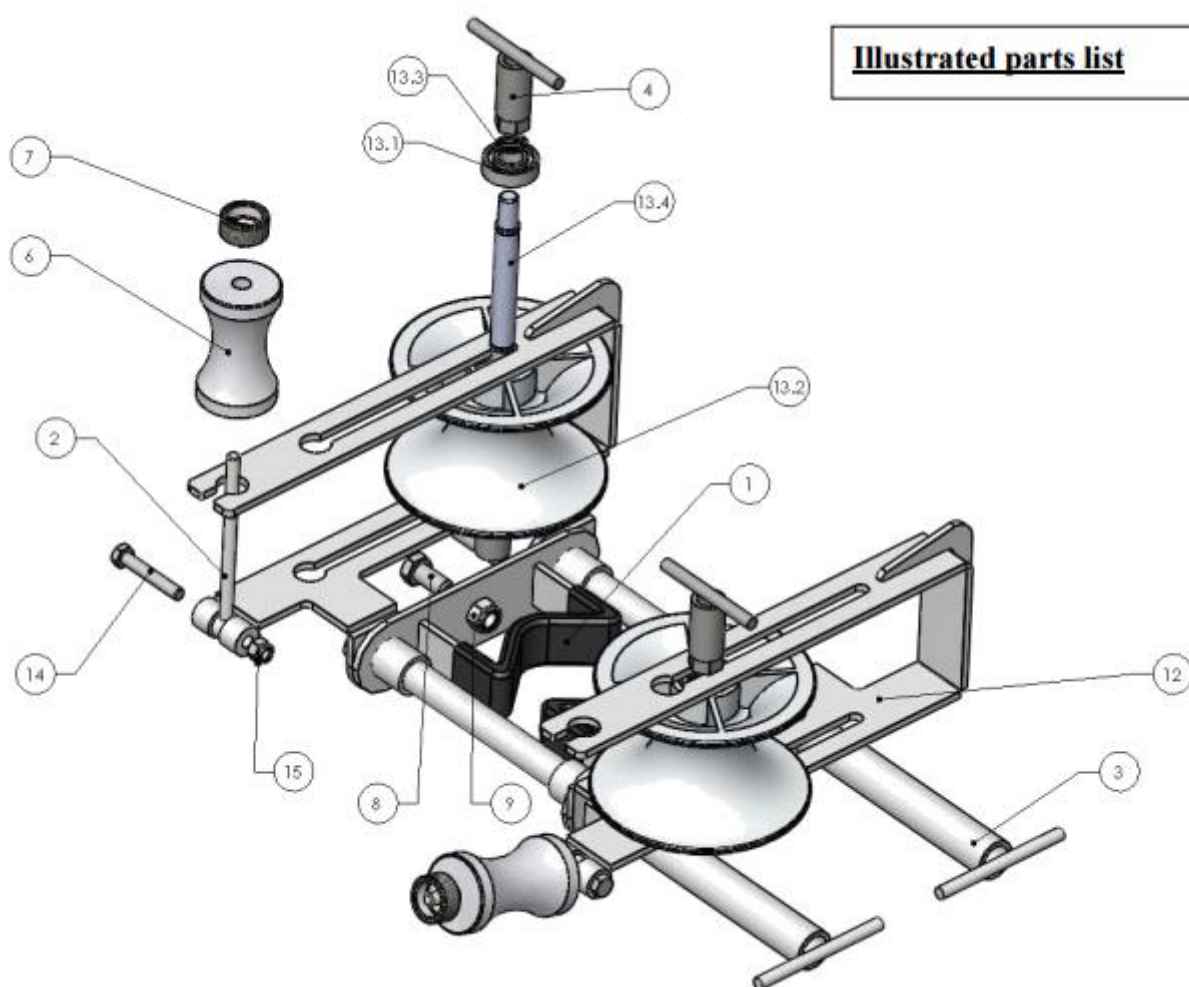
#### Specification

##### Construction:

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

Weight of assembly: 11kg

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



#### Illustrated parts list

**CLYDESDALE****Powering the Future****User Instructions: Post Insulator Mounted roller - horizontal**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	ZZ 680 0041	INSULATOR CLAMP	2
2	ZZ 680 0043	CONDUCTOR ARRESTOR ROLLER SHAFT	2
3	ZZ 680 0044	M20 T-BOLT	2
4	ZZ 680 0045	M12 T-BOLT	4
5	ZZ 100 20300	BOLT M20 X 280MM PLATED	2
6	ZZ 680 0033	TOP ROLLER	2
7	ZZ 680 0016	KNURLED KNOB	2
8	ZZ 100 1040	M12 X 25 HEX BOLT	2
9	ZZ 120 12	M12 NYLOC NUT	2
11	ZZ 680 0047 REV 2	SLIDE BRACKET 2	1
12	ZZ 680 0046 REV 2	SLIDE BRACKET 1	1
13	ZZ 680 0000A	ROLLER ASSY C/W SHOULDERED SHAFT	2
13.1	ZZ 140 006	BEARING 6202 2RS	2
13.2	ZZ 680 0001	ALUMINIUM ROLLER	1
13.3	ZZ 105 15E	CIRCLIP FOR 15MM SHAFT	2
13.4	ZZ 680 0002A	MODIFIED ROLLER SPINDLE	1
14	ZZ 100 0850	M8 X 50 BOLT	2
15	ZZ 120 08	M8 NYLOCK NUT	2