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# INSTALLATION INSTRUCTIONS FOR C-TRACK MOTIV-8 CABLE FESTOON SYSTEM

APPLICABLE FOR THE FOLLOWING CABLE FESTOON SYSTEMS:

- STANDARD DUTY                   ⇒ 15kg carrying capacity
- MEDIUM DUTY                   ⇒ 25kg carrying capacity
- HEAVY DUTY                     ⇒ 50kg carrying capacity

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NOTE :For additional information or assistance please contact;

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## 1. RECOMMENDED TOOLS

### 1.1 TOOLS RECOMMENDED FOR INSTALLATION OF C-TRACK CABLE FESTOON SYSTEM.

- Tape measure
- Power drill with 8mm and 10mm drillbits.
- Spanners to suit M8 nut and bolt (standard & medium duty) or M10 nut and bolt (heavy duty).

## 2. HANDLING INSTRUCTIONS

### 2.1 UNLOADING AND HANDLING OF C-TRACK CABLE FESTOON COMPONENTS

- 2.1.1 Prior to installation, check quantities of parts supplied against the delivery docket and/or drawings, and check that no damage has occurred in transit.
- 2.1.2 Please read this installation manual in its entirety prior to commencing installation.

## 3. INSTALLATION INSTRUCTIONS

### 3.1 SUPPORT BRACKETS

- 3.1.1 Support Brackets come in 250mm, 500mm, 750mm and 1000mm lengths (Part No. 99247/length) and are mounted perpendicular to the channel runway. On one end there is either:
- ◆ two holes spaced 60mm apart to accept the M8 mounting stud on the standard/medium duty track supports (Part No. 99225 - 16mm long M8 bolts, or Part No. 99226 - 40mm long M8 bolts), OR
  - ◆ a single hole to accept the M8 mounting stud on the standard/medium duty track supports (Part No. 99227) or the M10 mounting stud on the heavy duty track supports (Part No. 99304).

The other end accommodates the girders clip.

- 3.1.2 Mount the support brackets at spacings according to the table that follows. Also note that the distance specified may need to be varied in some areas to ensure that the position of the support brackets does not coincide with the track couplers.

## RECOMMENDED BRACKET SPACING

|  |     |     |      |      |      |      |      |
|--|-----|-----|------|------|------|------|------|
| Cable Trolley Load as a % of the System's Catalogued Carrying Capacity | 100 | 75  | 50   | 30   | 25   | 10   | 5    |
| Recommended Bracket Spacing (mm)                                       | 800 | 900 | 1000 | 1500 | 1750 | 2000 | 2500 |

### 3.2 TRACK SUPPORTS (HANGERS) & TRACK COUPLERS

- 3.2.1 Slip the appropriate number of track supports (Part No. as mentioned in 3.1.1) onto each length of channel.
- 3.2.2 Loosely bolt the sections of channel to the support bracket via the track supports (hangers), joining the ends of each channel length with the track coupler (Part No. 9921: standard/medium duty, Part No. 99301: heavy duty) as you progress.
- 3.2.3 The track supports (hangers) are fixed to the support brackets via nuts on the M8/M10 stud at the top of the hanger (bolt variation as discussed in section 3.1.1).
- 3.2.4 When installing the couplers, care should be taken to ensure that the locking screws located on the back of the couplers are properly tightened.
- 3.2.5 Once all couplers are properly tightened, the track supports (hangers) should be locked down.

### 3.3 TROLLEYS, END STOPS AND END CLAMP

- 3.3.1 When the channel is securely located, an end stop is fitted to the end of the track opposite to the storage or cable feed end. The towing trolley and the cable trolleys should then be installed. Install these from the storage end of the runway. An end stop should then be installed at this end, and an end clamp installed and secured.
- 3.3.2 On pendant control lines and/or systems where the active travel is near the end of the channel, it is advisable to install a second end stop.

### 3.4 CABLES

- 3.4.1 The cables can now be installed over the saddles of the cable trolleys and the end clamp. Tighten these securely, noting the specified cable top depth and allowance for hookup.

Note: as an alternative method, cable may be clamped in the saddles prior to installing the trolleys in the channel.

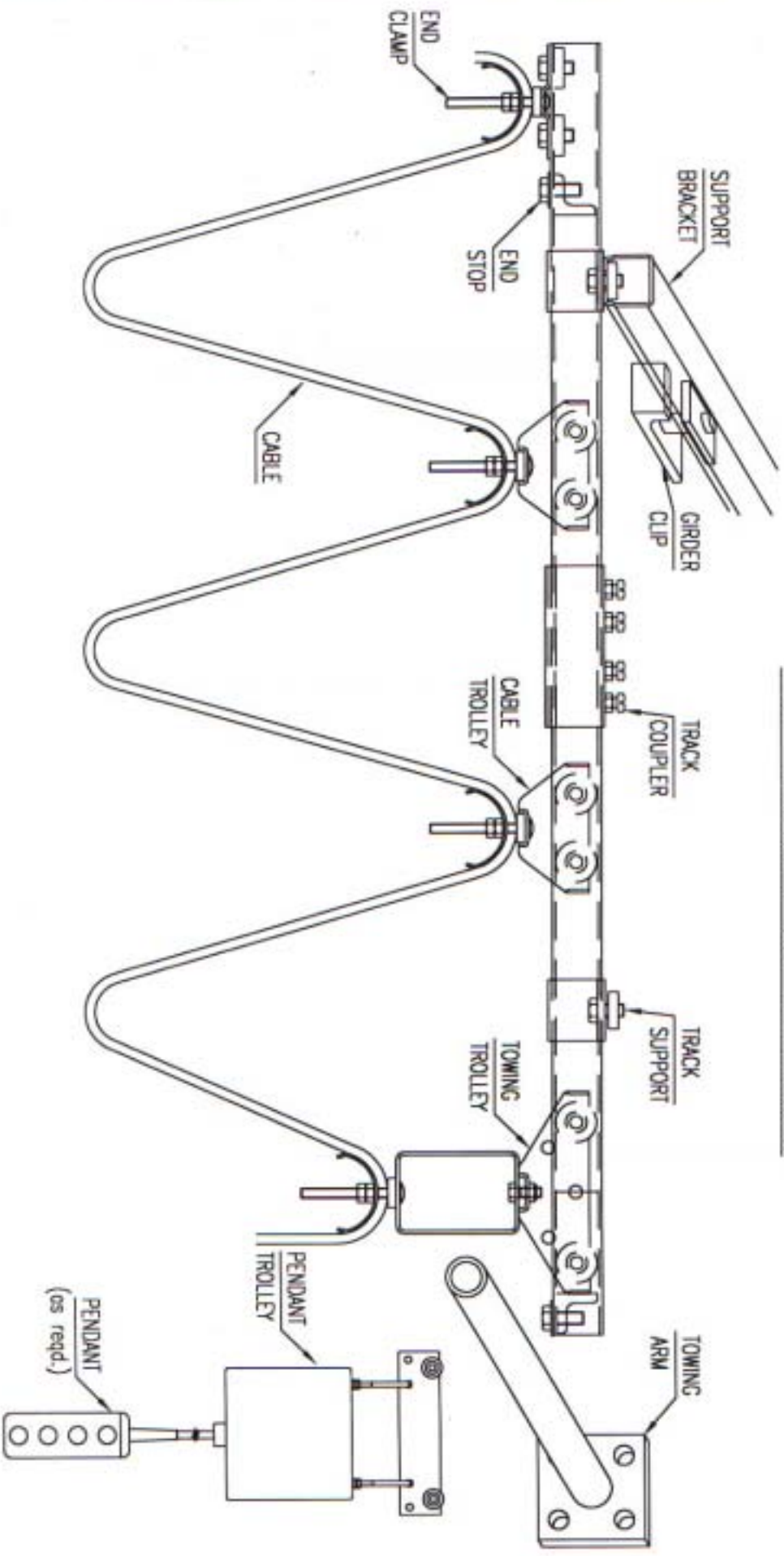
### 3.5 TOWING ARM

- 3.5.1 In order to tow the flexible cable system, a towing arm needs to be fitted to the hoist/crane track which in turn is engaged to the towing trolley. An aperture is provided on the towing trolley which allows for any variation or movement between the mono rail/crane track and the flexible cable system.

3.6 POWER CONNECTION

- 3.6.1 Prior to application of power, the trolleys should be cycled manually, if possible, to check for proper bop depth, freedom of travel and stretchout.
- 3.6.2 The cable connections can now be made to the powered unit and the source.
- 3.6.3 Apply power and cycle system slowly for checkout.

# "C" TRACK & FITTINGS




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|            |       |                                |          |
|------------|-------|--------------------------------|----------|
| SUBJECT    |       | TYPICAL C-TRACK SYSTEM DRAWING |          |
| CLIENT     |       |                                |          |
| DRAWN      | MJ    | DATE                           | 31:08:00 |
| TOLERANCES | ±0.25 | DEC.                           | ± 1"     |
| SCALE      |       | N.T.S.                         |          |
| SYS-CT01   |       |                                |          |