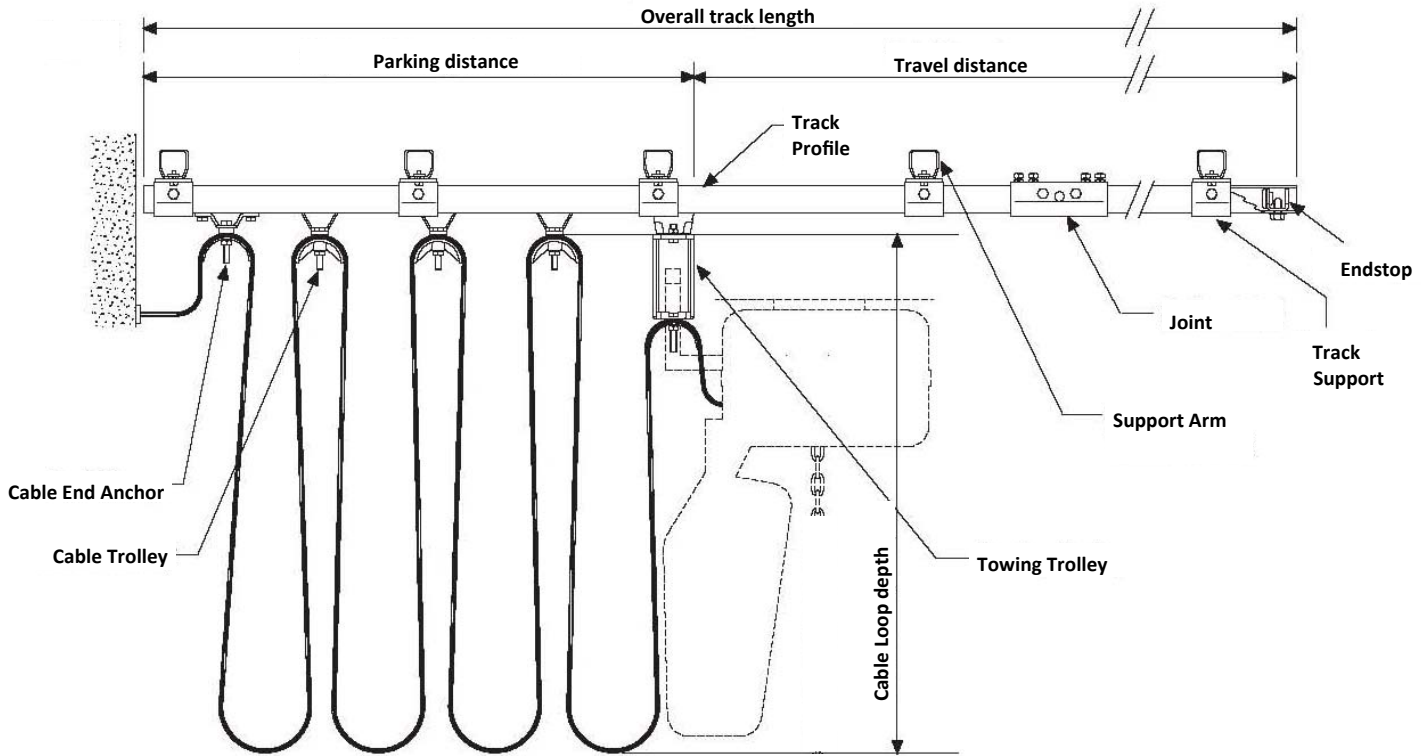
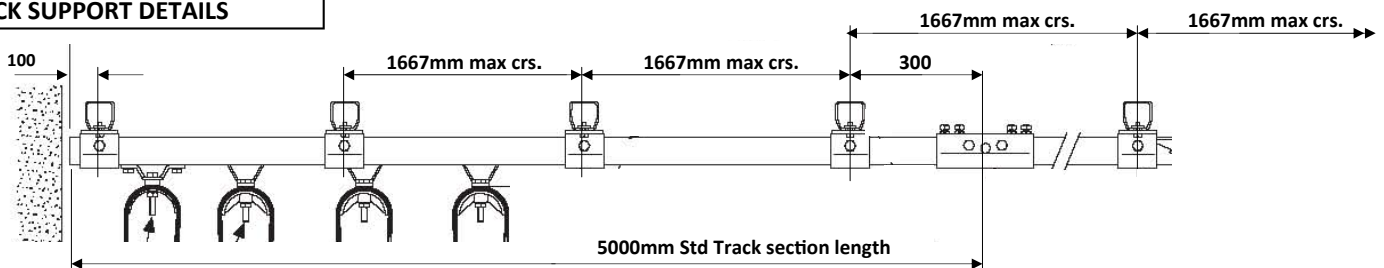


## C-RAIL FESTOON TRACK - CABLE & HOSE CARRYING SYSTEMS

### FESTOON TRACK ASSEMBLY



### TRACK SUPPORT DETAILS



### SYSTEM CALCULATIONS

#### Cable Length

For correct installation the cable should never be pulled tight, we therefore recommend a 20% surplus be added to the overall track length, the calculation for cable length is shown below :-

**Total cable length = (overall track length x 1.2) + required tail lengths.**

#### Example

Overall track length = 15m

Tail at Hoist end = 0.50m

Tail at Feed end = 3m

**Total cable length = (15 x 1.2) + 0.5 + 3 = 21.5m**

#### Number of Trolleys

The number of trolleys required in the system is determined by the cable loop depth, so using the information above we can calculate the number of trolleys Required as follows :

**No. of trolleys = [(overall track length x 1.2) / (2 x Loop depth)] - 1**

#### Example

Overall track length = 15m

Loop depth = 0.75m

**No. of Trolleys = [(15 x 1.2) / (2 x 0.75)] - 1 = 11**

In addition you require 1 x Tow Trolley & 1 X End Anchor

#### System (Track size) selection

System 2331 - max cable stack = 58mm x 20mm, max trolley load = 20kg

System 2500 - max cable stack = 115mm x 50mm, max trolley load = 40kg

#### Trolley selection

The correct trolleys should be selected by referring to the maximum cable stack, and maximum cable weight information shown on the trolley information on the following pages, maximum recommended cable stacks are calculated to ensure that trolley bodies will come together before the loops of cable clash or foul each other.

#### Parking Distance

The parking distance is the section of track taken up by the trolleys when collected together at the end of the system, this is a simple calculation determined by the number and type of trolleys.

#### Example

Overall track length = 15m

Loop depth = 0.75m

Trolley type 2401-5 (80mm body length)

Tow trolley 2401-6 (80mm body length)

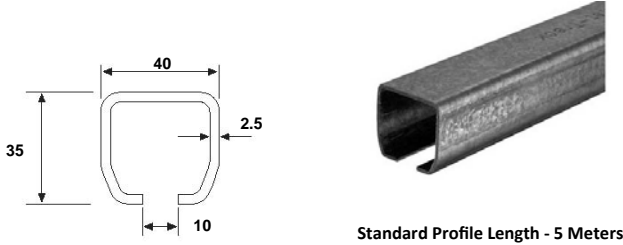
Cable end anchor 2331-2 (80mm body length)

No. of trolleys = 11

**Parking distance = 80 + (11 x 80) + 80 = 1040mm**

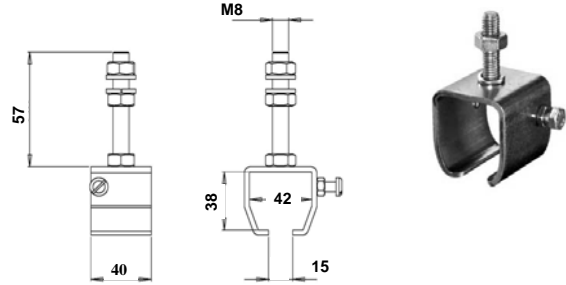
**TRACK PROFILE**

Part No.	Part Code	Standard Length	Weight kg/m	Finish
0500700000	2500-1	5 Meters	2.22	Galvanised Steel



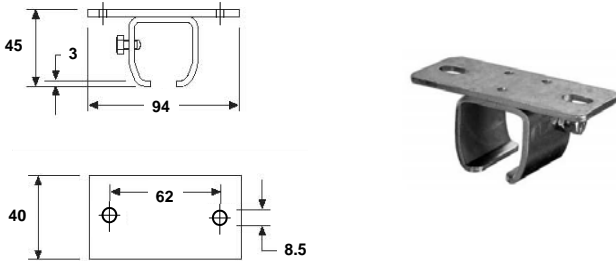
**SINGLE STUD SUPPORT**

Part No.	Part Code	Finish	For use with
0500700110	2500-4-R	Zinc Plated Steel	Galv. Steel track
0500700111	2500-4-R-PLY	Zinc Plated Steel + Red Polyester / Epoxy finish	Galvanised or Stainless Steel track



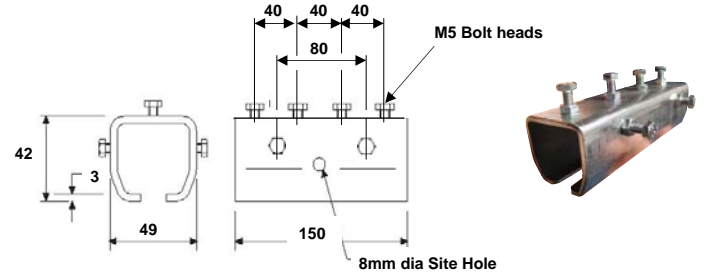
**CEILING SUPPORT**

Part No.	Part Code	Finish	For use with
0500700100	2500-4	Zinc Plated Steel	Galv. Steel track
0500700101	2500-4-PLY	Zinc Plated Steel + Red Polyester / Epoxy finish	Galvanised or Stainless Steel track



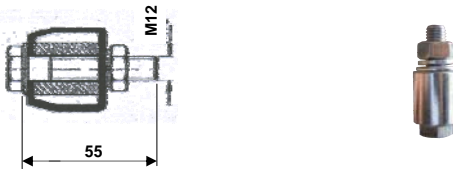
**TRACK JOINT**

Part No.	Part Code	Finish	For use with
0500700200	2500-3	Zinc Plated Steel	Galv. Steel track
0500700201	2500-3-PLY	Zinc Plated Steel + Red	Galvanised or Stainless



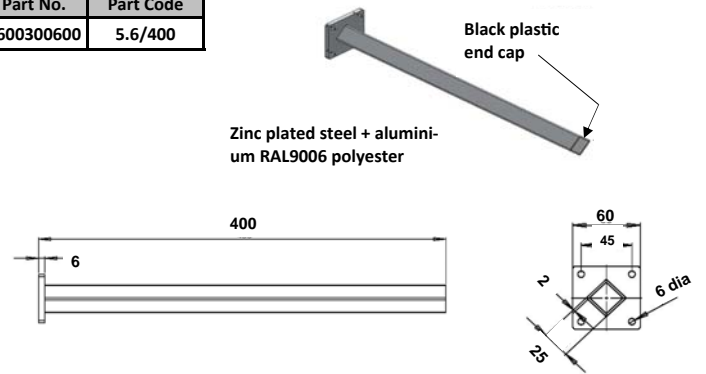
**ENDSTOP**

Part No.	Part Code	Finish	For use with
0500700400	2502-2	Zinc Plated Steel	Galv. Steel track
0500700401	2502-2-PLY	Zinc Plated Steel + Red Polyester / Epoxy finish	Galvanised or Stainless Steel track



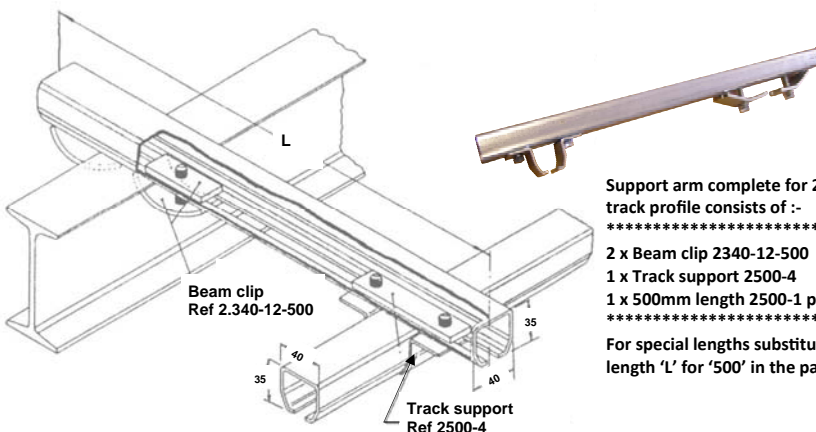
**TOWING ARM**

Part No.	Part Code
0600300600	5.6/400



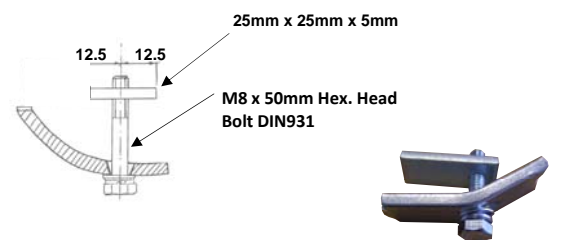
**SUPPORT ARM**

Part No.	Part Code	Finish	For use with
0500700910	CM-3-500	Zinc Plated Steel	Galv/Stainless Steel track



**BEAM CLIP**

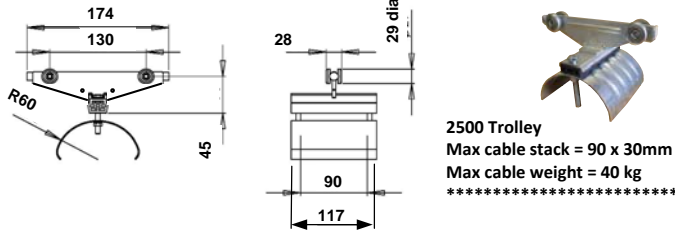
Part No.	Part Code	Finish	For use with
0500700800	2340-12-500	Zinc Plated Steel	Galv. Steel track
0500700810	2340-12-500-PLY	Zinc Plated Steel + Red Polyester / Epoxy finish	Galvanised or Stainless Steel track



For use with support arms from 2500-1 track profile (see part No. CM-3)

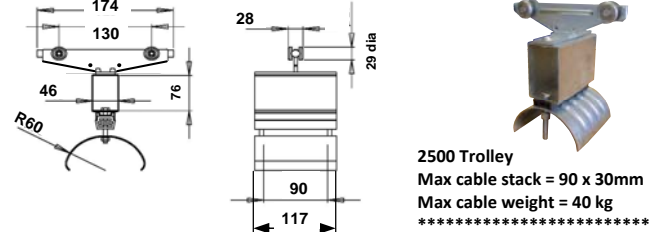
### CABLE TROLLEY

Part No.	Part Code	Body	Wheels &	Cable Clip	For use with
0500700500	2500-5	Zinc Plated Steel	Zinc Plated Steel	Galvanised Steel	Galvanised Steel track
0500700501	2500-5-PLY	Zinc Plated Steel + Red Polyester / Epoxy finish	Stainless Steel	Zinc Plated Steel + Red Polyester / Epoxy finish	Stainless Steel track



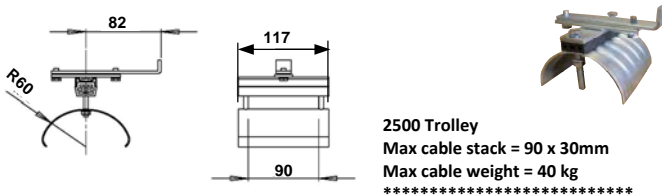
### TOW TROLLEY

Part No.	Part Code	Body	Wheels & Axles	Cable Clip	For use with
0500700600	2500-6	Zinc Plated Steel	Zinc Plated Steel	Galvanised Steel	Galvanised Steel track
0500700601	2500-6-PLY	Zinc Plated Steel + Red Polyester / Epoxy finish	Stainless Steel	Zinc Plated Steel + Red Polyester / Epoxy finish	Stainless Steel track



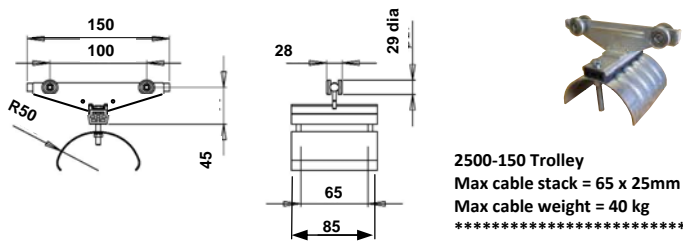
### CABLE END ANCHOR

Part No.	Part Code	Body	Cable Clip	For use with
0500700700	2500-2	Zinc Plated Steel	Galvanised Steel	Galvanised Steel
0500700701	2500-2-PLY	Zinc Plated Steel + Red Polyester / Epoxy finish	Zinc Plated Steel + Red Polyester / Epoxy finish	Galv. or Stainless Steel track



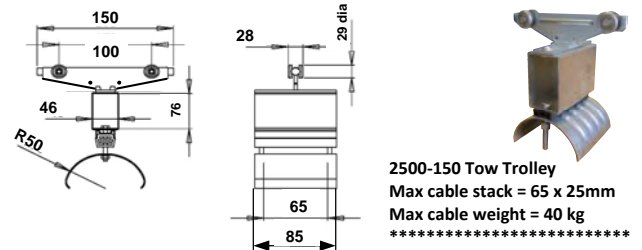
### CABLE TROLLEY

Part No.	Part Code	Body	Wheels & Axles	Cable Clip	For use with
0500700510	2500-150-5	Zinc Plated Steel	Zinc Plated	Galvanised Steel	Galvanised
0500700511	2500-150-5-PLY	Zinc Plated Steel + Red Polyester / Epoxy finish	Stainless Steel	Zinc Plated Steel + Red Polyester / Epoxy finish	Stainless Steel track



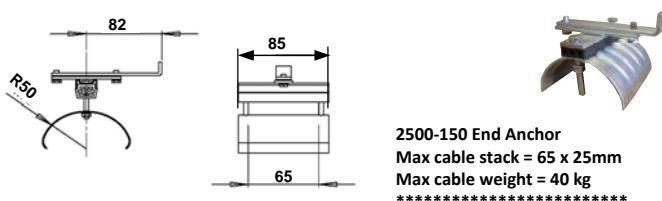
### TOW TROLLEY

Part No.	Part Code	Body	Wheels & Axles	Cable Clip	For use with
0500700610	2500-150-6	Zinc Plated Steel	Zinc Plated Steel	Galvanised Steel	Galvanised Steel track
0500700611	2500-150-6-PLY	Zinc Plated Steel + Red Polyester / Epoxy finish	Stainless Steel	Zinc Plated Steel + Red Polyester / Epoxy finish	Stainless Steel track



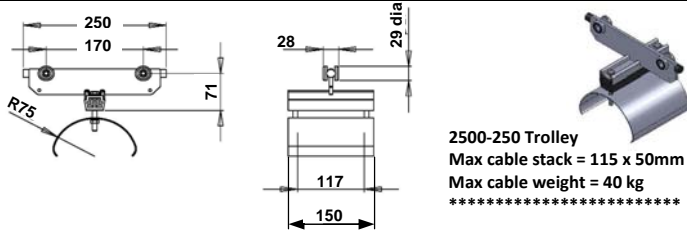
### CABLE END ANCHOR

Part No.	Part Code	Body	Cable Clip	For use with
0500700710	2500-150-2	Zinc Plated Steel	Galvanised Steel	Galvanised Steel track
0500700711	2500-150-2-PLY	Zinc Plated Steel + Red Polyester / Epoxy finish	Zinc Plated Steel + Red Polyester / Epoxy finish	Galv. or Stainless Steel track



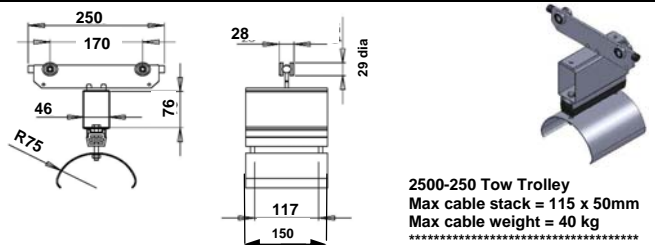
### CABLE TROLLEY

Part No.	Part Code	Body	Wheels & Axles	Cable Clip	For use with
0500700520	2500-250-5	Zinc Plated Steel	Zinc Plated Steel	Galvanised Steel	Galvanised Steel track
0500700521	2500-5-250-PLY	Zinc Plated Steel + Red Polyester / Epoxy finish	Stainless Steel	Zinc Plated Steel + Red Polyester / Epoxy finish	Stainless Steel track



### TOW TROLLEY

Part No.	Part Code	Body	Wheels & Axles	Cable Clip	For use with
0500700620	2500-250-5	Zinc Plated Steel	Zinc Plated Steel	Galvanised Steel	Galvanised Steel track
0500700621	2500-5-250-PLY	Zinc Plated Steel + Red Polyester / Epoxy finish	Stainless Steel	Zinc Plated Steel + Red Polyester / Epoxy finish	Stainless Steel track



### CABLE END ANCHOR

Part No.	Part Code	Body	Cable Clip	For use with
0500700720	2500-250-2	Zinc Plated Steel	Galvanised Steel	Galvanised Steel track
0500700721	2500-250-2-PLY	Zinc Plated Steel + Red Polyester / Epoxy finish	Zinc Plated Steel + Red Polyester / Epoxy finish	Galv. or Stainless Steel track

