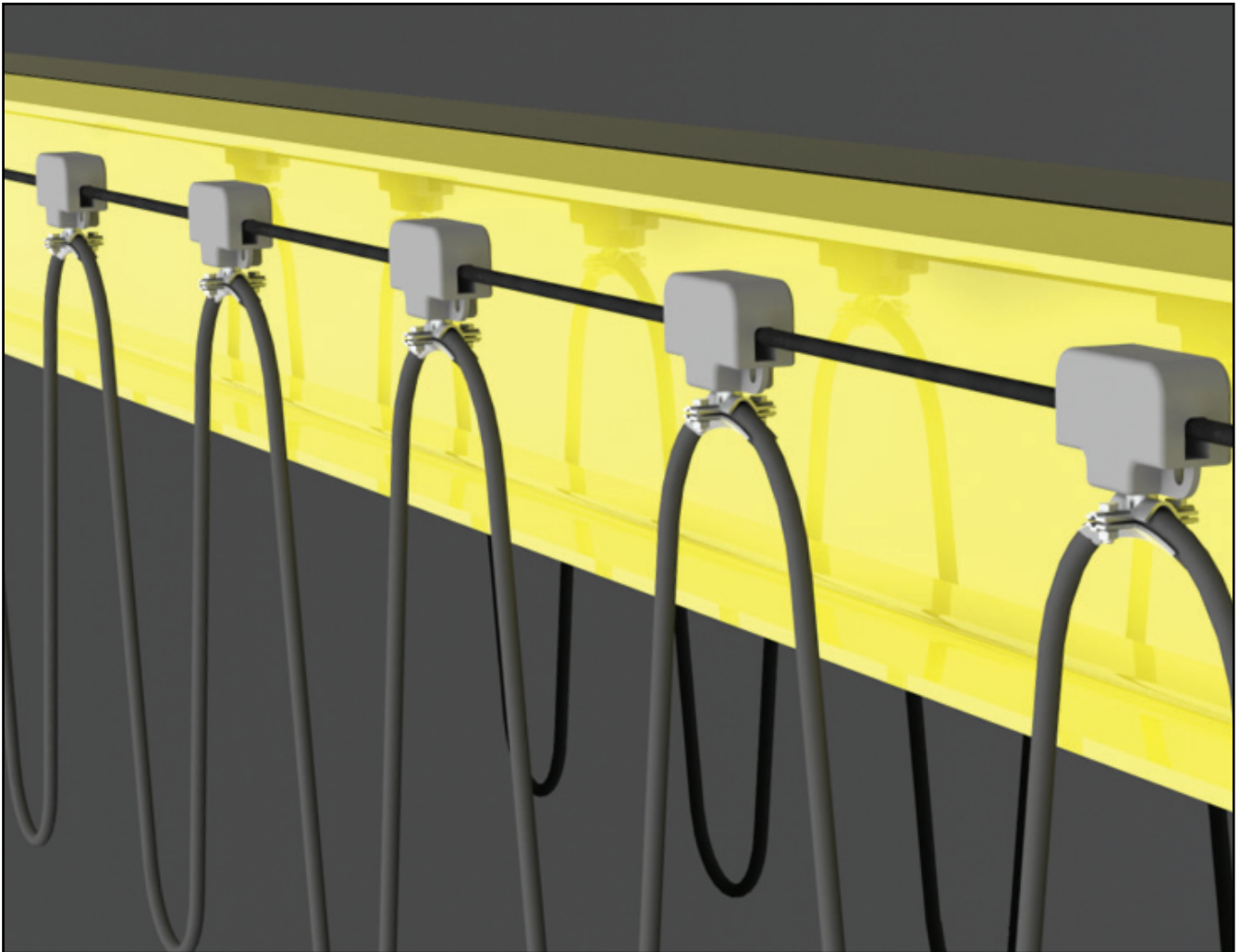




**POWERFEED
SYSTEMS**

GENERAL INFORMATION BROCHURE



LOCK 'N' ROLL WIRE FESTOON SYSTEM



Metreel

Cossall Industrial Estate, Coronation Road, Ilkeston, Derbyshire DE7 5UA



+44 (0)115 932 7010



+44 (0)115 930 6263



sales@metreel.co.uk



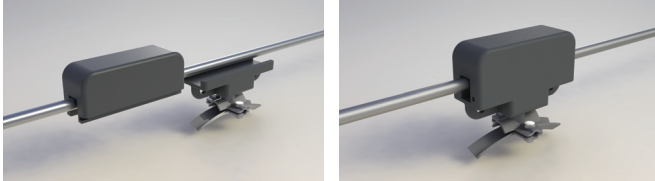
www.metreel.co.uk

INTRODUCTION...

Parts Slide together, lock automatically and the trolley is ready to roll. No fasteners to drop or lose. Removal or replacement is just as easy. Pre-engineered kits take the mystery out of festooning. Each kit includes everything you need. Just add cable or hose. Also available with tool hanger.

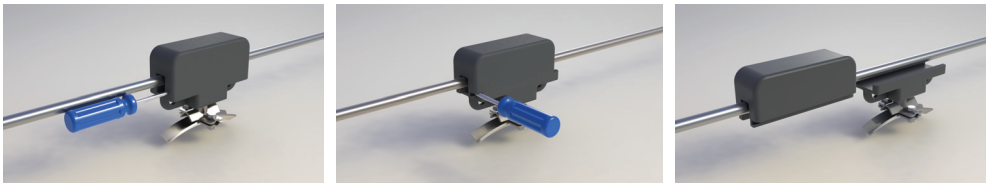
INSTALL QUICKLY

To install trolley - Place top section in position on the wire rope. Slide sections together until they lock in to place. Trolleys suit standard wire 5-9mm.



REMOVE EASILY

Insert straight bladed screwdriver into the slot beside cable opening and gently pry open.



PARTS & KITS...

TROLLEY TYPES



Part No.	FRT-04
For Supporting	Roundform Cable/Hose
OD of Cable/Hose	7-15mm



Part No.	FRT-05
For Supporting	Roundform Cable/Hose
OD of Cable/Hose	15-24mm



Part No.	FFT-08
For Supporting	Flatform Cable
OD of Cable/Hose	7-15mm

FESTOON KITS...

Kits feature **Lock 'n' Roll** trolleys and include all necessary wire rope and hardware for a complete festoon system. Cable or Hose not included and must be ordered separately to suit the application. Wire Rope is supplied for 1.25m loop depth plus extra for fastening at both ends.

KIT SELECTION PROCEDURE:

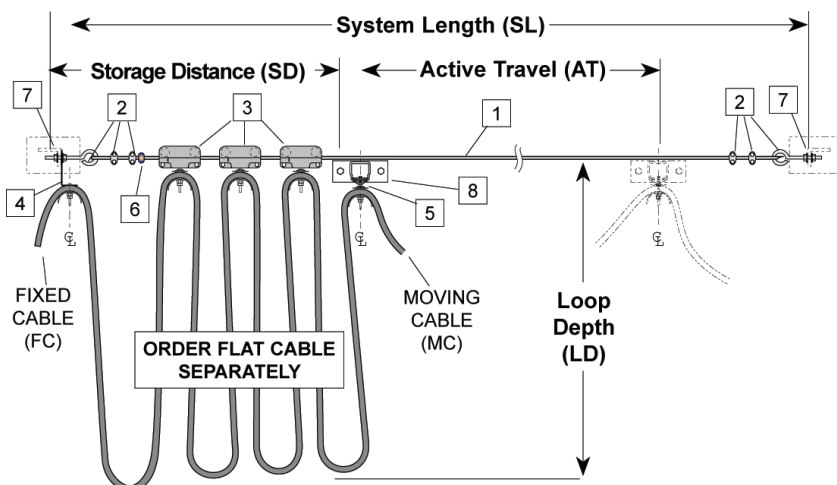
- **Cable or Hose** - Use appropriate model chart for relevant trolley type if round, choose correct saddle size.
- **Loop Depth (LD)** - 1.0m loops and 1.25m loops shown in table for planning purposes. Final loop depth should be between these two examples. With a given number of trolleys, longer loop depth = longer travel, however loop depth is often indicated by available clearance beneath wire rope.
- **Active Travel (AT)** - Select kit which best fulfills requirements, if your system length must be longer than system length specified for active travel length you require please order by system length so the wire rope supplied in the kit is long enough.

Note: cable or hose are not included, please consult our sales office for a cable / hose quotation.

PLATFORM CABLE KITS

Active Travel (AT)		Kit No.	System Length (SL)		Storage Distance (SD)	Min Cable Req.	
Loop Depth (m)		Max Cable Size (17x51mm)	Loop Depth (m)		Minimum <small>could be greater with stiff cable or short loops</small>	Loop Depth (m)	
1	1.25		1	1.25		1	1.25
304	508	FF08-02	355	584	533	381	609
406	685	FF08-03	482	762	635	508	812
508	838	FF08-04	584	939	711	609	990
609	1016	FF08-05	685	1117	812	736	1193
711	1193	FF08-06	812	1295	889	863	1397
812	1371	FF08-07	914	1473	990	990	1600
914	1524	FF08-08	1016	1651	1066	1092	1778

- 1) **Minimum Cable Required** length listed in chart is enough for active travel only, measured space to centre line, see diagram below. **Add cable or hose to each end as required for hook up to your system.**
- 2) **Active travel, system length, and minimum cable values** on the chart are for **1m and 1.25m loop depths** and are provided as planning guides only. Kits include necessary components for festoon system with 1.25m loop depth at system length shown. Loop depth may be varied to suit application.



KIT COMPONENTS:

- 1 Wire rope, length to suit SL
- 2 Hardware as required
- 3 Intermediate trolleys, by model end clamp (1)
- 5 Tow Clamp/Clip
- 6 Bumper Stop (2)
- 7 Tension Bracket, Tow arm bracket (optional)

NUMBER EXPLANATION

F	08	-	03
Type (Flat Cable)	Saddle Size 17mm(H)x50mm(w)		Number of Trolleys (Three)

DEFINITIONS:

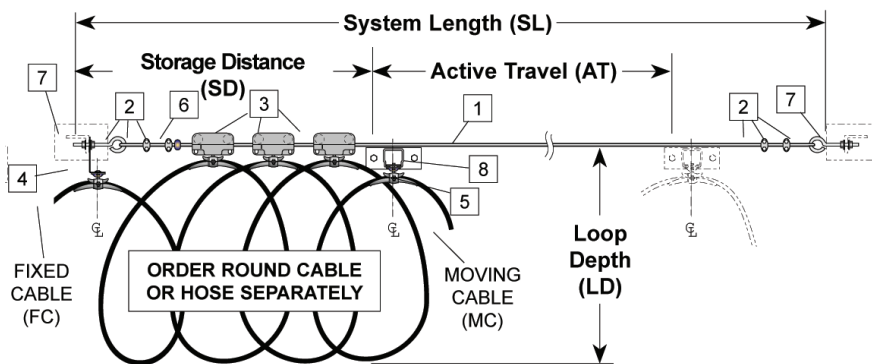
- AT = Active Travel:** Distance moving equipment must travel to do job
- SL = System Length:** Anchor Point to anchor point of wire rope
- SD = Storage Distance:** Wire rope hardware and trolleys butted together
- LD = Loop Depth:** Maximum height of loop formed by cable or hose

FESTOON KITS...

ROUNDFORM CABLE & HOSE KITS

Active Travel (AT)		Kit No.	System Length (SL)		Storage Distance (SD)	Min. Cable Required	
Loop Depth (m)			Loop Depth (m)			Loop Depth (m)	
1	1.25	*refer to note below on saddle sizes	1	1.25	Minimum could be greater with stiff cable or short loops	1	1.25
254	457		FR04*-02	330		533	533
355	609	FR04*-03	431	685	635	558	863
431	762	FR04*-04	533	863	711	685	1066
533	939	FR04*-05	635	1016	812	812	1270
635	1092	FR04*-06	711	1193	889	965	1473
711	1244	FR04*-07	812	1346	990	1092	1701
812	1397	FR04*-08	914	1524	1066	1219	1905

- 1) **Minimum Cable Required** length listed in chart is enough for active travel only, measured centreline to centre line, see diagram below. **Add cable or hose to each end as required for hook up to your system.**
- 2) **Active travel, system length, and minimum cable values** on the chart are for **1m and 1.25m loop depths** and are provided as planning guides only. Kits include necessary components for festoon system with 1.25m loop depth at system length shown. Loop depth may be varied to suit application.



KIT COMPONENTS:

- 1 Wire rope, length to suit SL
- 2 Hardware as required
- 3 Intermediate trolleys, by model end clamp (1)
- 5 Tow Clamp/Clip
- 6 Bumper Stop (2)
- 7 Tension Bracket, Tow arm bracket (optional)

DEFINITIONS:

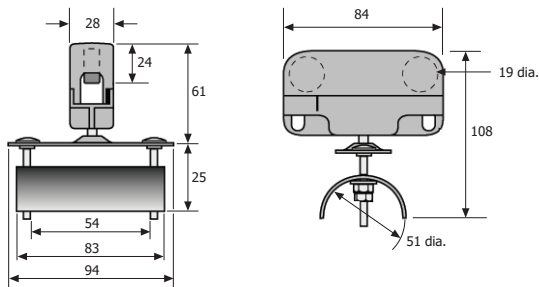
- AT = Active Travel:** Distance moving equipment must travel to do job
- SL = System Length:** Anchor Point to anchor point of wire rope
- SD = Storage Distance:** Wire rope hardware and trolleys butted together
- LD = Loop Depth:** Maximum height of loop formed by cable or hose

KIT NUMBER EXPLANATION

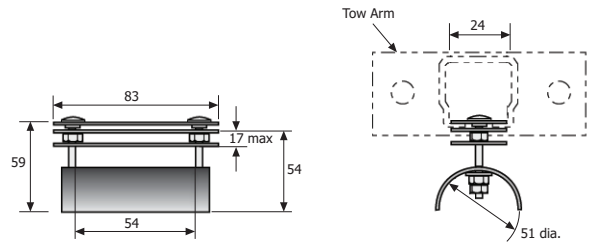
FR	04*	-	03
Type (Round Cable/hose)	Saddle Size (7.5mm-15mm dia.)		Number of Trolleys (Three)

***Saddle Sizes:** Models shown on chart above are for 7.5-15mm dia cable only. For larger diameters, use '05' or '06' for the saddle size.

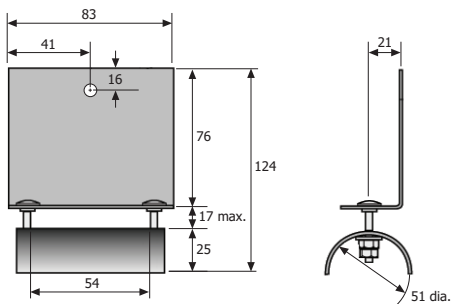
COMPONENTS... (All dimensions shown in mm)



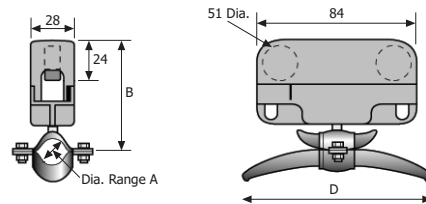
Part No.	FFT-08
Description	Flatform Cable Trolley
Material	Fibreglass reinforced molded nylon with zinc plated steel cable clamp



Part No.	W25-FT-02
Description	Flatform Cable Tow Clamp
Material	Steel with zinc plating

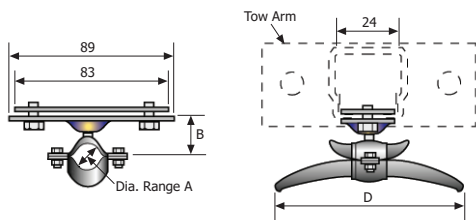


Part No.	W25-FE-02
Description	Flatform Cable End Clamp
Material	Steel with zinc plating



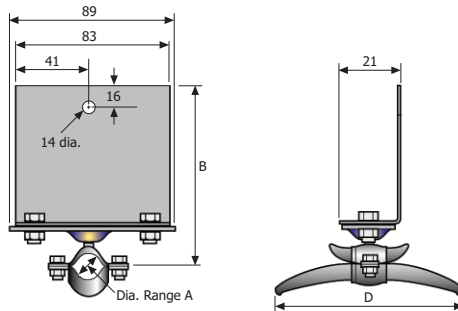
Description	Roundform Cable Trolley
Material	Fibreglass reinforced moulded nylon with zinc plated steel cable clamp

Part No.	Cable O/D A (mm)	B (mm)	D (mm)
FRT-04	7-15	61	70
FRT-05	15-24	66	98
FRT-06	24-32	74	127



Description	Roundform Cable Tow Clamp
Material	Steel with zinc plating

Part No.	Cable O/D A (mm)	B (mm)	D (mm)
W25-RT-11	7-15	32	70
W25-RT-12	15-24	37	98
W25-RT-13	24-32	43	127



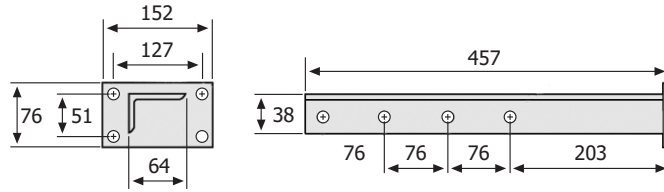
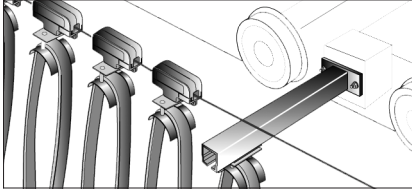
Description	Roundform Cable End Clamp
Material	Steel with zinc plating

Part No.	Cable O/D A (mm)	B (mm)	D (mm)
W25-RE-11	7-15	103	70
W25-RE-12	15-24	108	98
W25-RE-13	24-32	114	127



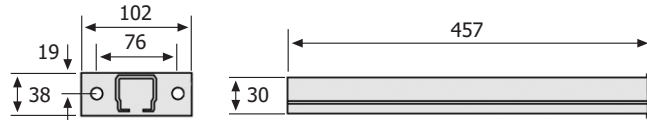
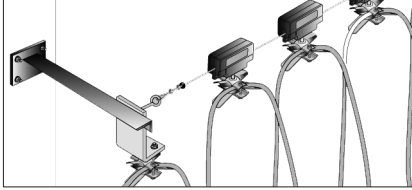
OPTIONAL COMPONENTS... (All dimensions shown in mm)

TENSION BRACKET (W25-BR-01)



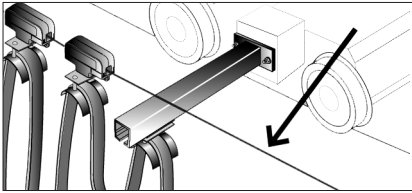
Anchor ends of wire rope and fixed end of festoon

TOW ARM (W25-TA-01)



Use on moving end of festoon with Tow Clamp

WIRE ROPE (W25-WR-01) Nylon-coated wire rope 6mm



Hardware Kit (W25-HW-01)

Includes 2x body eye bolts with hex nuts, 2x galv steel thimbles, 4x galv steel clips, 1x bumper stop (neoprene rubber)



POWERFEED SYSTEMS

- Festoon Systems
- Standard & Custom Reeling Drums
- Cable & Hose Drag Chains
- Conductor Systems
- Collector Columns
- Flexible Cables
- Plugs & Sockets
- Pendant Control Stations
- Radio Remote Pendants
- Worm Gear Limit Switches
- Foot Switches

SAFETY SYSTEMS

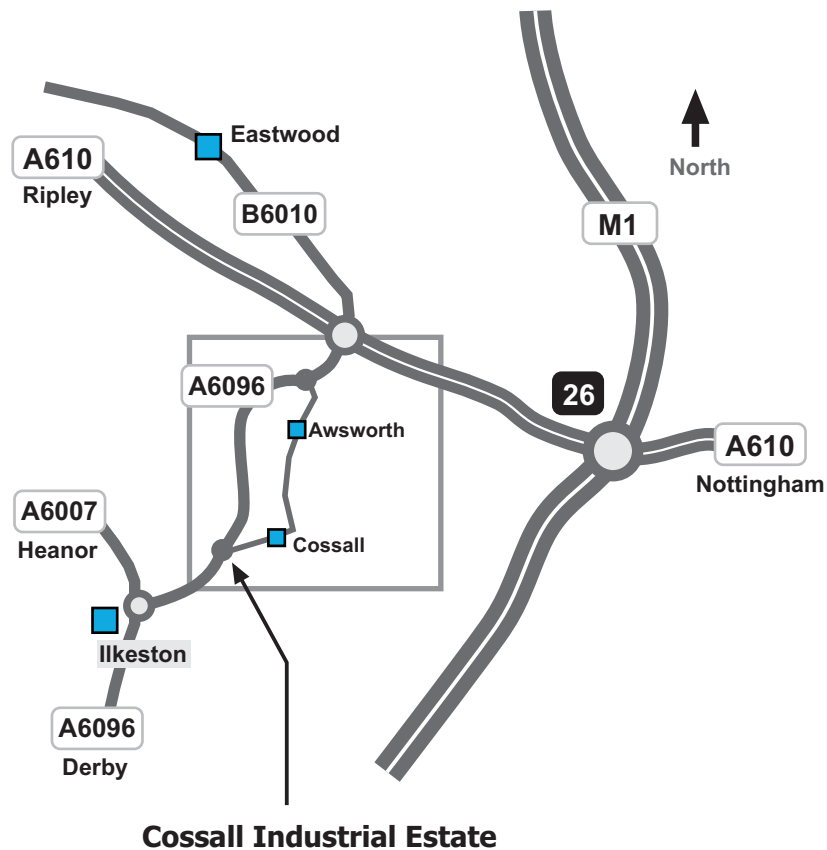
- Vertical Fall Arrest Ladder Systems
- Safetrack Horizontal Track Systems
- Horizontal Wire Systems

MECHANICAL HANDLING

- **MET-TRACK®** Light Cranes
- **MET-TRACK®** Monorails & Conveyors
- **MET-TRACK®** Sliding Door Gear
- **MET-TRACK®** Custom Track Systems
- **Alu-Lift®** Portable Aluminium Gantry
- Tool Balancers

OFFSHORE DIVISION

- Cable & Hose Drag Chains
- Cable & Hose Festoon Systems
- Cable & Hose Booms
- Cable & Hose Reeling Drums



Metreel

P187-0813

Cossall Industrial Estate, Coronation Road, Ilkeston, Derbyshire DE7 5UA



+44 (0)115 932 7010



+44 (0)115 930 6263



sales@metreel.co.uk



www.metreel.co.uk