HUBBELL

Workplace Solutions

Lock 'n Roll
FESTOON TROLLEYS

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 •

SLIDE/LOCK TOGETHER

To install trolley – Place top section in position on wire rope. Slide sections together until they snap (lock) in place. **NOTE: Sections may be assembled in only one way. Slide "un-blocked" end into "un-blocked" end. Do not force.**

• REMOVE EASILY •

Pry gently. Do not turn screwdriver.

PRY GENTLY, SLIDE APART
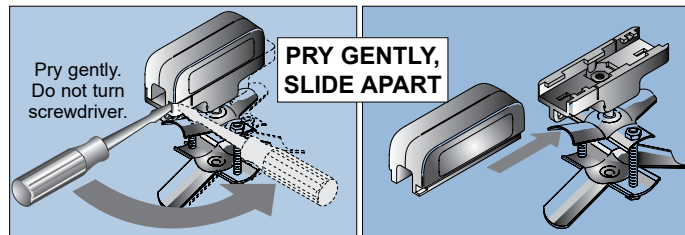
To remove – Insert straight bladed screwdriver into slot beside cable opening (not slit on side of trolley) and pry gently as shown above. Do not turn screwdriver. **Slide Apart.**

• NO FASTENERS REQUIRED •

Fits standard Wire Rope from
3/16"(5mm) ⬤ thru 3/8"(9mm) ⬤

FRT-04
For round cable or hose, 0.31" thru 0.59" (7-15mm) O.D. Fits 0.25" (6mm) I.D. hose, 600v cable #16/2-6, #14/2-4 or #12/2

FRT-05
For round cable or hose, 0.60" thru 0.94" (15-24mm) O.D. 0.38"-0.50" (10-13mm) I.D. hose, 600v cable #16/7-12, #14/5-12, #12/3-8, #10/2-6

FRT-06
For round cable or hose, 0.95"- -1.25" (24-32mm) O.D. Fits 0.75" (19mm) I.D. hose. *Special consideration should be given to large cable/hose applications.*

FFT-08
For flat cable to 2.1" x 0.66" (54 x 17mm) **PVC** jacketed cable #16/4-12, #14/4-12, #12/4-8, #10/4, #8/4, #6/4, and #4/4

WRS-01
SINGLE HOOK TROLLEY
Includes steel Labyrinth tool hook.

Molded nylon trolley is 3.25" (83mm) long. Wheels are molded Delrin thermoplastic. Includes one steel labyrinth hook for tool mounting. Trolley may be installed on existing wire rope through 3/8" (9mm) O.D. without unhooking and restretching rope. Weight: 4 oz (0.1kg).
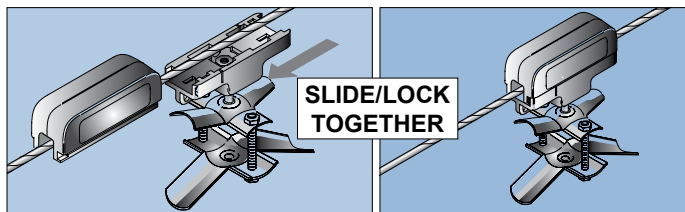
WRS-02
SINGLE HOOK TROLLEY with HOOK CONNECTOR
Wire rope, tool balancer and air hose not included.

Same as #WRS-01 trolley plus longer tool hook and 1/4" air hose connector. Weight: 11 oz (0.15kg).

All Lock 'n Roll Trolleys have a 15 lb. weight capacity.

NYLON TROLLEY
FESTOON KITS - WIRE ROPE

Kits feature *Lock 'n Roll* trolleys and include all necessary wire rope and hardware for complete festoon system. Cable or hose **not included** and must be ordered separately to suit application. Wire rope supplied for 48" loop depth plus extra for fastening at both ends.

Kit Selection Procedure: You must know:

1– CABLE or HOSE: Use appropriate model chart for type (round or flat) cable/hose. If round, choose correct saddle size (FR04, FR05 or FR06)*.

2– *LOOP DEPTH* (LD): 30" loop and 48" loop shown 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 dictated by available clearance beneath wire rope.

3– *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, order by system length so wire rope supplied with kit will not be too short.

NOTE: Cable or hose are NOT INCLUDED. Order, separately, footage shown on model chart plus length needed at each end for hook-up.

FLAT CABLE KITS

ACTIVE TRAVEL "AT"		KIT NO. (PRICE)	SYSTEM LENGTH "SL"		STORAGE DISTANCE "SD"	[1]MINIMUM CABLE REQUIRED	
LOOP DEPTH For planning purposes.[2] 30"	48"	Maximum cable size: 0.65" x 2.0" (17 x 51mm)	*LOOP DEPTH* For planning purposes.[2] 30"	48"	MINIMUM. May be greater with stiff cable or short loop.	*LOOP DEPTH* For planning purposes.[2] 30"	48"
12'	20'	FF08–02	14'	23'	21"	15'	24'
16'	27'	FF08–03	19'	30'	25"	20'	32'
20'	33'	FF08–04	23'	37'	28"	24'	39'
24'	40'	FF08–05	27'	44'	32"	29'	47'
28'	47'	FF08–06	32'	51'	35"	34'	55'
32'	54'	FF08–07	36'	58'	39"	39'	63'
36'	60'	FF08–08	40'	65'	42"	42'	70'

ROUND CABLE & HOSE KITS

| ACTIVE TRAVEL "AT"		KIT NO. (PRICE)	SYSTEM LENGTH "SL"		STORAGE DISTANCE "SD"	[1]MINIMUM CABLE REQUIRED	
LOOP DEPTH For planning purposes.[2] 30"	48"	Maximum cable size: 0.65" x 2.0" (17 x 51mm)	*LOOP DEPTH* For planning purposes.[2] 30"	48"	MINIMUM. May be greater with stiff cable or short loop.	*LOOP DEPTH* For planning purposes.[2] 30"	48"
10'	18'	FR04*–02	13'	21'	21"	16'	25'
14'	24'	FR04*–03	17'	27'	25"	22'	34'
17'	30'	FR04*–04	21'	34'	28"	24'	42'
21'	37'	FR04*–05	25'	40'	32"	27'	50'
25'	43'	FR04*–06	28'	47'	35"	32'	58'
28'	49'	FR04*–07	32'	53'	39"	43'	67'
32'	55'	FR04*–08	36'	60'	42"	48'	75'

(1) MINIMUM CABLE REQUIRED length listed in chart is enough for *ACTIVE TRAVEL* only, measured centerline to centerline; see diagrams below. **ADD cable or hose to <u>each end</u> as required for hook-up to your system.**
(2) ACTIVE TRAVEL, SYSTEM LENGTH and MINIMUM CABLE values on charts are for **30" or 48" loop depths** and are provided as planning guide only. Kits include necessary components for festoon system with 48" loop depth at system length shown. Loop depth may be varied to suit application.
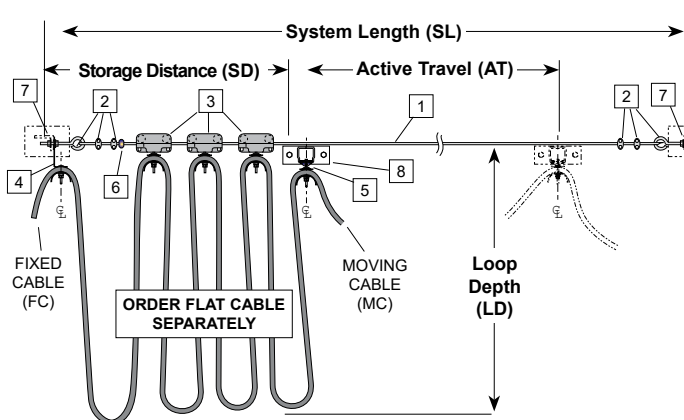
KIT NUMBER EXPLANATION

Example:	FF	08	–	03
	Type (Flat cable)	Saddle size (0.65"h x 2.0"w)	–	Number Trolleys (Three)
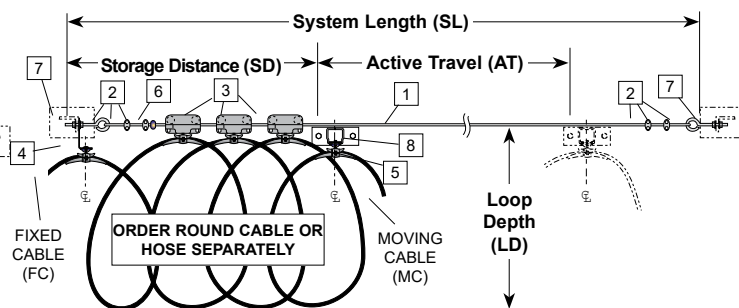
KIT NUMBER EXPLANATION

Example:	FR	04*	–	03
	Type (Round cable/hose)	Saddle size (0.30" –0.59" dia.)	–	Number Trolleys (Three)

* Saddle sizes: Models shown on chart above are for 0.3"–0/59" dia. cable only. For larger diameters, use "05" or "06" at end of number, as shown here.

FR**04** = 0.30" to 0.59" (7–15mm) OD cable/hose.
FR**05** = 0.60" to 0.94" (15–24mm) OD cable/hose.
FR**06** = 0.95" to 1.25" (24–32mm) OD cable/hose.
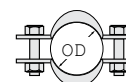
Definitions

AT = Active Travel: Distance moving end 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 Components

1 Wire Rope, length to suit SL
2 Hardware as required
3 Intermediate trolleys, by model
4 End Clamp (1)
5 Tow Clamp/Clip (1)
6 Bumper Stop (2)
7 Tension Bracket, optional.
8 Tow arm bracket, optional.

STEEL TROLLEY
FESTOON KITS - WIRE ROPE

The quickest way to select a Tag Line festoon system is to use kits. For single cables or hoses, select the number of trolleys (middle two digits) for your travel - all the necessary parts come in the box. Add exact cable/hose for your job and it's finished. Steel Trolleys fit wire rope up to 1/4" diameter max.

SELECTING A KIT:

STEP 1 Determine Active Travel (AT) required and choose the appropriate kit from either the Flat Cable (WF) or Round Cable/hose (WR) table.

STEP 2 Loop depth is assumed at 36" for all kits. Adjust to suit. Longer loop depth provides greater Active Travel, shorter loop depth provides less Active Travel. NOTE: Wire rope in kits is sufficient for System Length (SL) shown plus amount needed for securing at each end. If longer loop depth is to be used, order longer kit.

STEP 3 Cable/hose NOT INCLUDED. Order separately length shown on table plus amount needed at each end for hook up to your system.
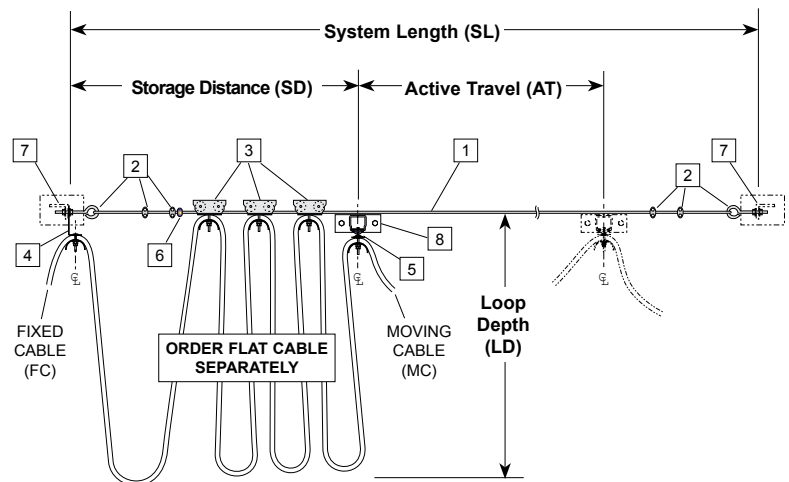
FLAT CABLE KITS

KIT NUMBER	ACTIVE TRAVEL "AT"	CABLE/ HOSE MIN.*	STORAGE LENGTH "SD"	SYSTEM LENGTH "SL"
WF-03-36	20'	24'	25"	23' 0"
WF-04-36	24'	29'	28"	27' 3"
WF-05-36	29'	35'	32"	32' 9"
WF-06-36	34'	41'	35"	38' 0"
WF-07-36	39'	47'	39"	43' 4"
WF-08-36	44'	52'	42"	48' 7"
WF-09-36	49'	58'	45"	53' 10"
WF-10-36	54'	60'	51"	59' 4"

KIT NUMBER EXPLANATION

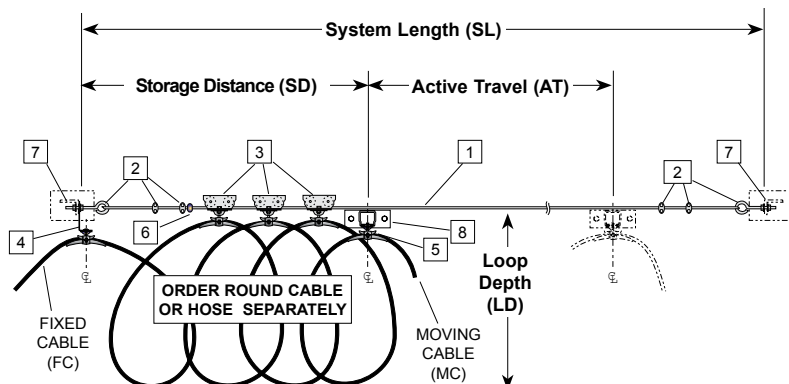| Example:	WF	03	–	36
	Type (Flat cable)	Number Trolleys (Three)	–	Loop Depth (36")

* Minimum length of cable/ hose listed in charts above is enough for travel only. Add length needed at each end for hook-up to your system.

ROUND** CABLE & HOSE KITS

KIT NUMBER	ACTIVE TRAVEL "AT"	CABLE/ HOSE MIN.*	STORAGE LENGTH "SD"	SYSTEM LENGTH "SL"
WR-03-36	17'	26'	25"	20' 0"
WR-04-36	22'	32'	28"	25' 5"
WR-05-36	26'	38'	32"	29' 9"
WR-06-36	31'	45'	35"	35' 0"
WR-07-36	35'	51'	39"	39' 4"
WR-08-36	39'	60'	42"	43' 7"

KIT NUMBER EXPLANATION

Example:	WR	03	–	36
	Type (Round cable)	Number Trolleys (Three)	–	Loop Depth (36")

* Minimum length of cable/ hose listed in charts above is enough for travel only. Add length needed at each end for hook-up to your system.

** WR trolleys have saddles to handle cable or hose up to 0.94" O.D. (3/8" I.D. hose).

Definitions

AT = Active Travel: Distance moving end 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 Components

1. Wire Rope, length to suit SL
2. Hardware as required
3. Intermediate trolleys, by model
4. End Clamp (1)
5. Tow Clamp/Clip (1)
6. Bumper Stop (2)
7. Tension Bracket, optional.
8. Tow arm bracket, optional.

HUBBELL ®
Workplace Solutions

ADD TO FESTOON KITS OR BUILD FROM SCRATCH
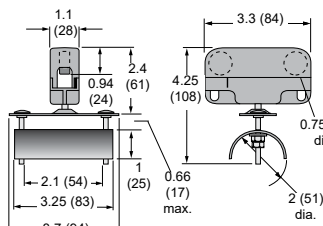## STEEL OR *Lock 'n Roll* TROLLEYS

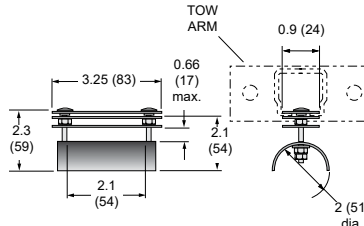# COMPONENTS - Wire Rope Festoon

FLAT CABLE FESTOON COMPONENTS
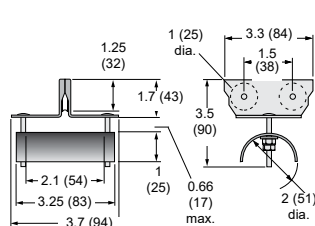
STEEL TROLLEY
W25–FC–32
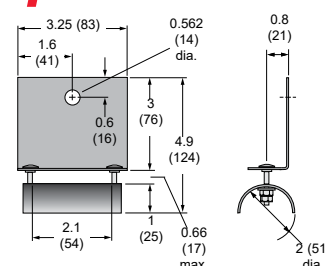Description: Zinc plated steel with dual nylon wheels. Zinc plated steel cable clamp.

Lock 'n Roll TROLLEY
FFT-08
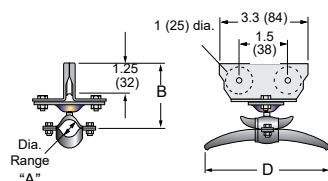Description: Fiberglass reinforced molded nylon with zinc plated steel cable clamp.

TOW CLAMP
W25–FT–02
Description: Steel with zinc plating.

END CLAMP
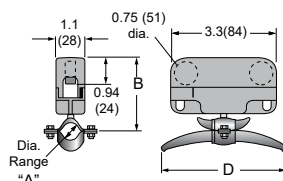### W25–FE–02
Description: Steel with zinc plating.

ROUND CABLE & HOSE FESTOON COMPONENTS

STEEL TROLLEY

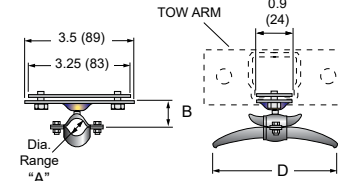| MODEL NUMBER	*CABLE O.D. "A" in. (mm)	"B" in. (mm)	"D" in. (mm)
W25-RC-11	0.31–0.59 (7–15)	2.75 (70)	2.75 (70)
W25-RC-12	0.60–0.94 (15–24)	2.94 (75)	3.86 (98)
W25-RC-13	0.95–1.25 (24–32)	3.2 (81)	5.0 (127)

Description: Zinc plated steel with dual nylon wheels. Zinc plated steel cable clamp.

Lock 'n Roll TROLLEY

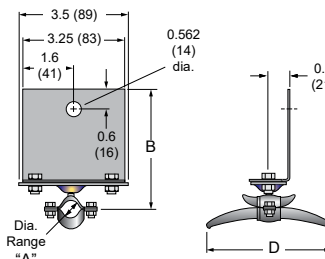| MODEL NUMBER	*CABLE O.D. "A" in. (mm)	"B" in. (mm)	"D" in. (mm)
FRT-04	0.31–0.59 (7–15)	2.4 (61)	2.75 (70)
FRT-05	0.60–0.94 (15–24)	2.6 (66)	3.86 (98)
FRT-06	0.95–1.25 (24–32)	2.9 (74)	5.0 (127)

Description: Fiberglass reinforced molded nylon with zinc plated steel cable clamp.

TOW CLAMP

MODEL NUMBER	*CABLE O.D. "A" in. (mm)	"B" in. (mm)	"D" in. (mm)
W25-RT-11	0.31–0.59 (7–15)	1.25 (32)	2.75 (70)
W25-RT-12	0.60–0.94 (15–24)	1.44 (37)	3.86 (98)
W25-RT-13	0.95–1.25 (24–32)	1.7 (4.3)	5.0 (127)

Description: Steel with zinc plating.

END CLAMP

| MODEL NUMBER	*CABLE O.D. "A" in. (mm)	"B" in. (mm)	"D" in. (mm)
W25-RE-11	0.31–0.59 (7–15)	4.06 (103)	2.75 (70)
W25-RE-12	0.60–0.94 (15–24)	4.25 (108)	3.86 (98)
W25-RE-13	0.95–1.25 (24–32)	4.5 (114)	5.0 (127)

Description: Steel with zinc plating.

* For type of hose or cable included in each O.D. range, refer to previous pages or "CABLE & HOSE DATA".

OPTIONAL Components

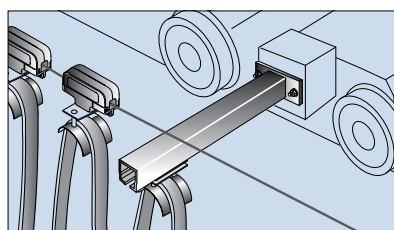Flat Cable, Round Cable, Hose, Connectors: see "CABLE & HOSE DATA".

Tension Bracket W25–BR–01
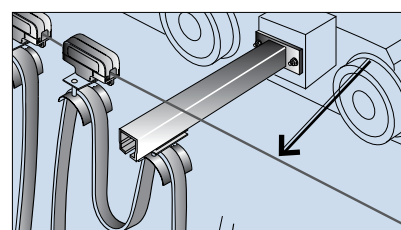*Anchor ends of wire rope and fixed end of festoon.*
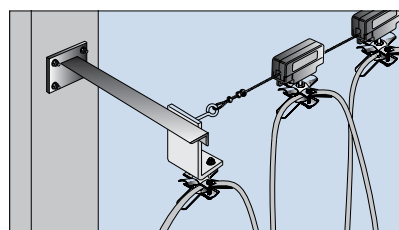
Tow Arm W25–TA–01
Use on moving end of festoon with Tow Clamp (above).

Wire Rope W25–WR–01
.25" OD Nylon-coated Wire Rope; wt. .086 lbs/ft.

Hardware Kit W25–HW–01
Includes: (2) 1" ID x 6" lg x .500" body eye bolts w/ hex nuts, (2) galv. steel thimbles, (4) galv. steel clips, (2) bumper stops (neoprene rubber); wt. 2.5 lbs.