

Woodhead®



Industrial Electrical Selection Guide

Balancers
Electric Reels
Hose Reels
Mobile Electrification

Reels

Hand Wind Reels

Hand wind reels are designed for heavy-duty industrial storage applications. Perfect for storing extension cords, or continuous power service.



HW100 HAND WIND REEL

- Heavy Duty design for storage of extension cords, power cables, ropes or hoses
- Center cavity access to the end of conductor

HW300 HAND WIND REEL

- Equipped with slip ring, power cable and plug
- Payout cable has receptacle
- Ideal for continuous service

Maximum capacity - all models

3 cond. #16 AWG SO (.430" dia.) 200 ft.

3 cond. #14 AWG SO (.560" dia.) 125 ft.

3 cond. #12 AWG SO (.640" dia.) 100 ft.

Usable spool volume 500 cubic inch.

| 3 cond. size | type SO length ft. | cable m | amperage cord off reel | HW100 | HW300 |
|--------------|--------------------|---------|------------------------|-------|-------|
| #16 AWG | 50 | 15.24 | 10 | HW122 | HW322 |
| #16 AWG | 100 | 30.48 | 10 | HW124 | HW324 |
| #14 AWG | 50 | 15.24 | 15 | HW132 | HW332 |
| #14 AWG | 100 | 30.48 | 15 | HW134 | HW334 |
| #12 AWG | 50 | 15.24 | 15 | HW142 | HW342 |
| #12 AWG | 100 | 30.48 | 15 | HW144 | HW344 |

Cord Reels

Industrial strength reel has all the convenience, endurance and reliability you need at an easy-to-buy price.

RI50 CORD REEL

- Fewer moving parts for long working life
- Removable hub covers for easy maintenance
- Easy tension adjustment
- Ratchet lock w/engage and disengage capability
- Corrosion resistant steel housing
- Rigid or swinging mounts available
- UL listed
- Hand lamp and auto switch options available
- Indoor use only

RI50 reels come standard with rigid mount and no hand lamps. To select swinging mount add suffix (S) to part number. To add hand lamp option add the suffix for the type of hand lamp required. Add the suffix (AS) for the auto switch option.

Example: RI51S-FE-AS



| part no. | conductors | travel | amps/volts | swing mount | hand lamp | auto switch | receptacles |
|----------|--------------|--------------|-------------|-------------|------------|-------------|-------------|
| RI51 | 3c / #16 AWG | 15.2m / 50ft | 8a / 120v | add - S | FE, M, 13G | add - AS | R, D, T, Q |
| RI52 | 4c / #16 AWG | 15.2m / 45ft | 5.5a / 120v | add - S | - | - | - |
| RI53 | 3c / #14 AWG | 13.7m / 45ft | 11a / 120v | add - S | FE, M | add - AS | R, D, Q |
| RI54 | 4c / #14 AWG | 9.1m / 30ft | 7.5a / 120v | add - S | - | - | - |
| RI55 | 3c / #12 AWG | 10.7m / 35ft | 15a / 120v | add - S | - | add - AS | R, D, Q |

Fluorescent Hand Lamp Accessories

The RI50 only comes with the 13G style handlamp.

TYPE 13G

TYPE M

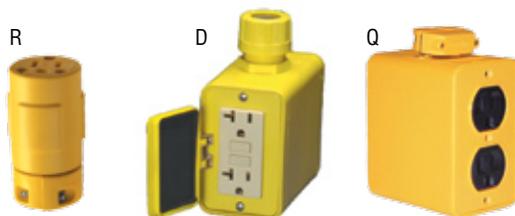
TYPE FE



- Type 13G - 13w handlamp with switch in handle unless combined with AS auto switch option.
- Type M - NEMA 5-15R outlet, replaceable lamp switch with reflector for 100w bulb.
- Type FE - Insulated guard without reflector, use with remote or optional auto switch.

Outlet Options

- Receptacle - One NEMA 5-15R outlet (suffix R)
- Dual Outlet - Two 15A GFCI outlets, snap door cover (suffix D)
- Quad Outlet - Four NEMA 5-15R outlets (suffix Q)



Reels

Cable Reels

Cable reels are designed for top performance, long service life and easy maintenance. Ideal for hoists, electric tools and moving equipment.

POW-R-MITE CABLE REELS

- Factory assembled with Type S0 or W cable
- Reels constructed with spring tension to lift or stretch cable with 10% sag
- Containerized main-spring for safe and easy handling
- Modular collector ring
- 30 amp collector ring on 200, 300, and 400 models
- 35 or 75 amp collector ring on 5000M models
- Adjustable cable guide with anti cable “lock-out” feature
- UL listed – 200, 300 and 400 models
- CSA Certified available



POW-R-MITE Selector For easy selection, choose amperage, cable size, number of conductors and cable length from shaded area below.

| rated amps | cable AWG size | no. cond. | length m / ft | | | | | | | | | |
|------------|----------------|-----------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | 6.1 / 20 | 7.6 / 25 | 9.1 / 30 | 10.7 / 35 | 11.6 / 38 | 12.2 / 40 | 13.7 / 45 | 15.2 / 50 | 18.3 / 60 | 21.3 / 70 |
| 9 | 16 | 3 | 232B* | | 224B* | | | 231B* | | 228B* | | 5137BL* |
| 7 | 16 | 4 | 242B | | 234B | | | 244B | | 238B | | 5147BL |
| 7 | 16 | 6 | | | | | | | 206B | | | 5167BL |
| 6 | 16 | 8 | | | | | 208B | | | 485B | | 5187BL |
| 5 | 16 | 10 | | | 403B | | | | | 5105BL | | 5207BL |
| 5 | 16 | 12 | | | 413B | | | | | 5115BL | | 5217BL |
| 13 | 14 | 3 | 332C** | 253C** | 233C** | | | 334C** | | 358C** | | 5137CL** |
| 11 | 14 | 4 | 342C | 363C | 343C | | | 344C | 367C | 345C | | 5147CL |
| 11 | 14 | 6 | | | | 306C | | | | 5165CL | | 5267CL |
| 8 | 14 | 8 | 308C | | 483C | | | | | | 5286CL | |
| 7 | 14 | 10 | 402C | | | | | | | 5205C | | |
| 6 | 14 | 12 | 5112CL | | | | | 5214CL | | | | |
| 18 | 12 | 3 | 332D | 383D | 333D | 385D | | 434D | | 435D | | 5137DL |
| 14 | 12 | 4 | 342D | | 394D | | | 444D | | 445D | 5146DL | |
| 14 | 12 | 6 | | | 463D | | | | | | 5266DL | |
| 12 | 12 | 8 | 482D | | | | | | | 5285DL | | |
| 22 | 10 | 3 | 242E | | 433E | | | 434E | | 5135EL | | 5237EL |
| 16 | 10 | 4 | 452E | | 443E | | | 5144EL | | 5245EL | | 5247EL |
| 14 | 10 | 6 | 462E | | | | | | | 5365EL | | |
| 14 | 10 | 8 | | | 5283EL | | | | | | | |
| 40 | 8 | 2 | | | 5123FL | | | | | 5225FL | | |
| 35 | 8 | 3 | | | 5133FL | | | | | 5235FL | | |
| 32 | 8 | 4 | 5142FL | | | | | 5344FL | | | | |
| 55 | 6 | 2 | | | 5223GL | | | | | 5325GL | | |
| 45 | 6 | 3 | | | 5333G: | | | | | | | |
| 44 | 6 | 4 | 5342GL | | | | | | | | | |

* See page 2 for end of cable options **Q, R, D, M, FE, 13G

Reels

Static Discharge Grounding Reels

Eliminates static build-up. Spring-operated automatic retrieve reels.

2050 STATIC DISCHARGE REELS

- Spring operated automatic retrieve reel
- Stranded steel aircraft cable is 3/32"
- Light, constant spring tension on the cable
- 100 ampere ground clamp
- Rubber cable stop



| part no. | cable length m - ft. | net weight kg - lbs. | resistance ohms |
|----------|-------------------------|-------------------------|--------------------|
| 2050 | 15.24 - 50 | 5.44 - 12 | 2 |

Hand-Wind Reels

Designed for general and industrial use. Ideal for production areas, maintenance and service areas, wash down equipment and service vehicles. Reels do not include hose.

CL CH

- Heavy steel construction
- Corrosion resistant epoxy powder-coat finish
- Spring tension brake
- Brass swivel
- Simple mounting for floor, wall or work bench
- Nitrile seals

Note: Hose not included



Low Pressure (300PSI)

| part no. | inlet hose fitting (NPT) | hose inner diameter | hose outer diameter | capacity m - ft. |
|----------|-----------------------------|------------------------|------------------------|---------------------|
| CL102 | 1/4" | 1/4" | 5/8" | 30.4 - 100 |
| CL103 | 3/8" | 3/8" | 3/4" | 15.2 - 50 |
| CL203 | 3/8" | 3/8" | 3/4" | 30.4 - 100 |

High Pressure (3,000PSI)

| part no. | inlet hose fitting (NPT) | hose inner diameter | hose outer diameter | capacity m - ft. |
|----------|-----------------------------|------------------------|------------------------|---------------------|
| CH102 | 1/4" | 1/4" | 5/8" | 30.4 - 100 |
| CH202 | 1/4" | 1/4" | 5/8" | 60.8 - 200 |
| CH103 | 3/8" | 3/8" | 3/4" | 15.2 - 50 |
| CH203 | 3/8" | 3/8" | 3/4" | 30.4 - 100 |
| CH303 | 3/8" | 3/8" | 3/4" | 106.4 - 350 |
| CH304 | 1/2" | 1/2" | 7/8" | 82.0 - 270 |

Spring Driven Reels

Aero-Motive® Series Premium Industrial Grade

These premium reels are designed to withstand the toughest industrial challenges. Ideal for production lines, material handling equipment, service areas, maintenance applications and service vehicles.

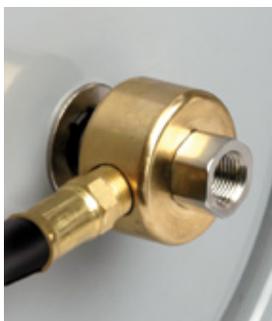
PA

PB

- Steel construction for long life in industrial applications
- Containerized main spring for safe, easy maintenance
- Adjustable guide arm - eight positions
- Six-roller guide to protect hose
- Brass and stainless steel fluid path
- Durable epoxy powder-coat finish
- Ratchet lock and easy tension adjustment
- Hose stop included with all models
- Nitrile seals
- Anti-lockout ratchet design



Six-roller design minimizes hose wear.



Brass and stainless steel design for long life.

PA, PB Hose Specs

| | |
|--------------------------|--|
| Low pressure (to 300PSI) | Type PVC tube Black PVC cover Max Temp: 158°F (70°C) |
|--------------------------|--|

Low Pressure (300PSI)

| part no. | inlet hose fitting (NPT) | hose inner diameter | length m - ft. | pressure PSI |
|----------|--------------------------|---------------------|----------------|--------------|
| PAL230 | 1/4" | 1/4" | 9.1 - 30 | 300 |
| PAL200 | 1/4" | without hose | | 300 |
| PAL330 | 3/8" | 3/8" | 9.1 - 30 | 300 |
| PAL300 | 3/8" | without hose | | 300 |
| PBL350 | 3/8" | 3/8" | 15.24 - 50 | 300 |
| PBL300 | 3/8" | without hose | | 300 |
| PBL435 | 1/2" | 1/2" | 10.6 - 35 | 300 |
| PBL400 | 1/2" | without hose | | 300 |
| PBL450 | 1/2" | 1/2" | 15.24 - 50 | 300 |

Other hose types available consult factory.

Specialty Reels

WB Series

Designed for general and industrial Oxygen/Acetylene welding. Ideal for production lines, material handling equipment, service areas, maintenance applications and service vehicles.

WB Series

- Steel construction for long life in industrial applications
- Containerized main spring for safe, easy maintenance
- Adjustable guide arm for wall, ceiling, or truck mount
- Four roller guide to protect hoses
- UL Listed (without hose) for oxygen/acetylene, map gas, propane, and natural gas
- Forged brass fluid path with fluorocarbon seals
- Durable epoxy powder-coat finish
- Ratchet lock and easy tension adjustment
- Lead-in hose and hose stop included with all models



Hose Features

- Rubber core, rubber cover
- 200 PSI working pressure
- -25°C (-13°F) to 70°C (158°F)
- Rated for oxygen/acetylene only
- Consult factory for other optional hose types

| part no. | inlet hose fitting (NPT) | hose inner diameter | length m - ft. | pressure PSI |
|----------|--------------------------|---------------------|----------------|--------------|
| WB230 | 1/4" | 1/4" | 9.1 - 30 | 200 |
| WB250 | 1/4" | 1/4" | 15.2 - 50 | 200 |
| WB265 | 1/4" | 1/4" | 19.8 - 65 | 200 |
| WB200 | without hoses | without hoses | - | 200 |

Tool Positioner

Positioners, Retractors & Balancers

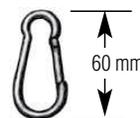
0.5 - 4.5 kg

1.0 - 10.0 lb

- Holds an object in desired position within travel range without use of a ratchet or locking device
- Easy downward tool mobility
- Simple upward repositioning of load, requiring only a force equal to the weight of the suspended object
- Minimizes operator fatigue in repetitive-motion applications with light loads
- Easy tension adjustment by placing screwdriver or coin into slot of shaft
- For light duty use



Accessory Tool Clip (only)
Model # 01146P0015



| part no. | weight range (kg) | travel (m) | weight range (lb) | travel (ft.) |
|----------|-------------------|------------|-------------------|--------------|
| GM31 | 0.5 - 4.5 | 1.4 | 1.0 - 10.0 | 4.7 |

Woodhead®

BALANCERS

HOSE REELS

Retractors

RB Retractors

0.5 - 1.8 kg 1.0 - 4.0 lb



RF Retractors

1.8 - 3.6 kg 4.0 - 8.0 lb



F Retractors

0.4 - 10.0 kg 1.0 - 22.0 lb



RB and RF Retractors

- Heavy-duty, long-life spring for lasting performance
- Easy tension adjustment - no tools required
- RB retractor has a 360° swivel hanger for a full range of motion
- RF retractor features a 360° forged steel swivel hanger
- Quick installation
- Durable nylon cord for long life and reduced maintenance (RB)
- Convenient snap-type tool clip for easy tool handling
- RF comes with nylon coated stranded steel cable
- Alignment of hanger and tool hook for smooth, efficient use

| part no. | weight range (kg) | travel (m) | weight range (lb) | travel (ft.) |
|----------|-------------------|------------|-------------------|--------------|
| RB2 | 0.5 - 0.9 | 1.6 | 1.0 - 2.0 | 5.2 |
| RB4 | 0.9 - 1.8 | 1.6 | 2.0 - 4.0 | 5.2 |
| RB210 | 0.5 - 0.9 | 3.04 | 1.0 - 2.0 | 10 |

| part no. | weight range (kg) | travel (m) | weight range (lb) | travel (ft.) |
|----------|-------------------|------------|-------------------|--------------|
| RF6 | 1.8 - 2.7 | 2.0 | 4.0 - 6.0 | 6.6 |
| RF8 | 2.7 - 3.6 | 2.0 | 6.0 - 8.0 | 6.6 |

F Retractors

- Easy tension adjustment with no special tools required
- Heavy-duty steel construction for long life
- Long-lasting main spring designed to minimize spring flexing and fatigue
- Tool can be set at desired position with adjustable cable stop
- Durable 2.5 mm diameter stranded steel aircraft cable

| part no. | weight range (kg) | travel (m) | weight range (lb) | travel (ft.) |
|----------|-------------------|------------|-------------------|--------------|
| 5F | 0.4 - 2.3 | 2.4 | 1.0 - 5.0 | 8 |
| 10F | 1.8 - 4.5 | 2.4 | 4.0 - 10.0 | 8 |
| 15F | 3.6 - 6.8 | 2.4 | 8.0 - 15.0 | 8 |
| 22F | 7.3 - 10.0 | 2.4 | 16.0 - 22.0 | 8 |

Balancers

BF Balancers

1.4 - 10.9 kg 3.0 - 24.0 lb

- Heavy-duty, long-life spring for lasting performance
- Automatic lock prevents load from falling if spring loses tension
- Snap-type tool clip for simplified attachment and removal
- Forged steel 360° swivel hanger
- High-impact composite housing for extra durability
- Ratchet lock (on BFL models) holds cable at desired position
- Shackle design instead of hook and spring clip provides extra-secure mounting
- 3 mm diameter stranded galvanized steel cable



| part no. | weight range (kg) | travel (m) | weight range (lb) | travel (ft.) |
|----------|-------------------|------------|-------------------|--------------|
| BF6 | 1.4 - 2.7 | 2.0 | 3.0 - 6.0 | 6.6 |
| BF9 | 2.7 - 4.1 | 2.0 | 6.0 - 9.0 | 6.6 |
| BF13 | 4.1 - 5.9 | 2.0 | 9.0 - 13.0 | 6.6 |
| BF18 | 5.9 - 8.2 | 2.0 | 13.0 - 18.0 | 6.6 |
| BF24 | 8.2 - 10.9 | 2.0 | 18.0 - 24.0 | 6.6 |

EB Balancers

8.2 - 27.3 kg 18.0 - 60.0 lb

- Cast aluminum construction
- Containerized main spring for safe, easy spring handling
- Automatic drum lock secures load even if tension drops suddenly
- Manual drum lock for easy tool replacement
- Full range of motion with 360° swivel hanger
- Easy external adjustment with no special tools
- Swaged steel cable assembly
- Easy cable replacement without disassembly
- Ratchet lock version (EB/R) holds cable at desired position
- 3 mm diameter stranded galvanized steel cable



| part no. | weight range (kg) | travel (m) | weight range (lb) | travel (ft.) |
|----------|-------------------|------------|-------------------|--------------|
| EB25000 | 8.2 - 11.4 | 2 | 18.0 - 25.0 | 6.6 |
| EB35000 | 11.4 - 15.9 | 2 | 25.0 - 35.0 | 6.6 |
| EB45000 | 15.9 - 20.5 | 2 | 35.0 - 45.0 | 6.6 |
| EB48S00 | 15.9 - 21.8 | 1.5 | 35.0 - 48.0 | 4.9 |
| EB60S00 | 20.5 - 27.3 | 1.5 | 45.0 - 60.0 | 4.9 |

EA Balancers

2.3 - 28.0 kg 5.0 - 62.0 lb

- Tapered drum minimizes tension build-up
- Wear-Guard® coated drum protects cable
- Automatic drum lock secures load even if tension drops
- Manual drum lock for easy tool replacement
- Containerized main spring for safe, easy spring handling
- Declutching hub prevents spring damage
- Ratchet lock version (EL) holds cable at desired height
- Safety support chain included
- 3 mm diameter stranded galvanized steel cable



| part no. | weight range (kg) | travel (m) | weight range (lb) | travel (ft.) |
|----------|-------------------|------------|-------------------|--------------|
| 10EA | 2.3 - 5.0 | 1.8 | 5.0 - 11.0 | 6.0 |
| 20EA | 5.0 - 9.0 | 1.8 | 11.0 - 20.0 | 6.0 |
| 30EA | 9.0 - 14.0 | 1.8 | 20.0 - 31.0 | 6.0 |
| 40EA | 13.0 - 18.0 | 1.8 | 19.0 - 40.0 | 6.0 |
| 50EA | 18.0 - 23.0 | 1.8 | 40.0 - 51.0 | 6.0 |
| 60EA | 23.0 - 28.0 | 1.8 | 51.0 - 62.0 | 6.0 |

Balancers

JA Balancers

6.0 - 45.0 kg 13.0 - 100.0 lb



KA Balancers

38.0 - 110.0 kg 84.0 - 243.0 lb



LA Balancers

79.0 - 168.0 kg 174.0 - 370.0 lb



JA, KA and LA Balancers

- Quick, easy tool changes with manual drum lock
- Automatic drum lock secures load even if tension drops
- Easy external adjustment with no special tools
- Full range of motion with 360° swivel hanger
- Four roller guide to protect cable
- Wear-Guard® coated drum protects cable and prevents premature failure
- Containerized main spring for safe, easy spring handling
- Declutching hub prevents spring damage, even if spring is reverse wound
- Shackle design provides extra-secure mounting
- Constructed from high tensile-strength cast aluminum
- 5 mm diameter stranded galvanized steel cable
- Secondary support chain included

| part no. | weight range (kg) | travel (m) | weight range (lb) | travel (ft.) |
|----------|-------------------|------------|-------------------|--------------|
| 20JA | 6.0 - 11.0 | 2.1 | 13.0 - 25.0 | 7.0 |
| 30JA | 11.0 - 16.0 | 2.1 | 24.0 - 35.0 | 7.0 |
| 40JA | 13.0 - 20.0 | 2.1 | 29.0 - 45.0 | 7.0 |
| 50JA | 18.0 - 25.0 | 2.1 | 40.0 - 55.0 | 7.0 |
| 70JA | 24.0 - 32.0 | 2.1 | 53.0 - 70.0 | 7.0 |
| 80JA | 31.0 - 39.0 | 2.1 | 68.0 - 86.0 | 7.0 |
| 90JA | 36.0 - 41.0 | 2.1 | 79.0 - 90.0 | 7.0 |
| 100JA | 40.0 - 45.0 | 2.1 | 88.0 - 100.0 | 7.0 |

| part no. | weight range (kg) | travel (m) | weight range (lb) | travel (ft.) |
|----------|-------------------|------------|-------------------|--------------|
| 110KA | 38.0 - 52.0 | 2.1 | 84.0 - 115.0 | 7.0 |
| 120KA | 52.0 - 57.0 | 2.1 | 115.0 - 126.0 | 7.0 |
| 134KA | 56.0 - 66.0 | 2.1 | 124.0 - 146.0 | 7.0 |
| 156KA | 65.0 - 75.0 | 2.1 | 143.0 - 165.0 | 7.0 |
| 170KA | 72.0 - 79.0 | 2.1 | 159.0 - 175.0 | 7.0 |
| 192KA | 79.0 - 91.0 | 2.1 | 174.0 - 200.0 | 7.0 |
| 220KA | 91.0 - 100.0 | 1.8 | 200.0 - 221.0 | 6.0 |
| 240KA | 100.0 - 110.0 | 1.8 | 221.0 - 243.0 | 6.0 |

| part no. | weight range (kg) | travel (m) | weight range (lb) | travel (ft.) |
|----------|-------------------|------------|-------------------|--------------|
| 210LA | 79.0 - 95.0 | 2.1 | 174.0 - 210.0 | 7.0 |
| 230LA | 95.0 - 107.0 | 2.1 | 209.0 - 236.0 | 7.0 |
| 250LA | 106.0 - 113.0 | 2.1 | 234.0 - 250.0 | 7.0 |
| 260LA | 113.0 - 120.0 | 2.1 | 249.0 - 265.0 | 7.0 |
| 280LA | 120.0 - 127.0 | 2.1 | 265.0 - 280.0 | 7.0 |
| 290LA | 127.0 - 132.0 | 2.1 | 280.0 - 291.0 | 7.0 |
| 300LA | 131.0 - 136.0 | 2.1 | 289.0 - 300.0 | 7.0 |
| 330LAS | 136.0 - 150.0 | 1.5 | 300.0 - 331.0 | 5.0 |
| 350LAS | 150.0 - 159.0 | 1.5 | 330.0 - 350.0 | 5.0 |
| 370LAS | 163.0 - 168.0 | 1.5 | 350.0 - 370.0 | 5.0 |

Accessories

Torque Reels 1515T

Torque reels are reeling devices primarily designed for suspending push-button pendant stations weighing up to 15 lbs. A lock mechanism permits the operator to stop a load at a desired height, while a slight pull on the cable releases the lock.

2.3 - 6.8 kg 5.0 - 15.0 lb

- Easy load height adjustment; a slight pull on the cable releases the lock
- Features an off switch to disengage locking mechanism when constant tension is required
- Easy external tension adjustment
- Adjustable cable stop, snap hook, multi-directional guide, forged clevis top mount, and 15 feet of cable
- Rigid mount included on model 1515TR
- 3/32" diameter stranded galvanized steel cable



1515T Hanging Torque Reel

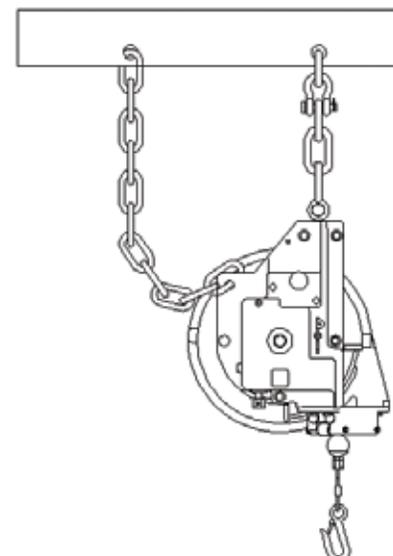


1515TR Rigid Mount Torque Reel

| part no. | weight (kg) | travel (m) | tension buildup (kg) | weight (lb) | travel (ft.) | tension buildup (lb) |
|----------|-------------|------------|----------------------|-------------|--------------|----------------------|
| 0515T | 2.3 | 1.58 | 3.20 | 5.0 | 15.0 | 7.0 |
| 1015T | 4.5 | 1.58 | 5.50 | 10.0 | 15.0 | 12.0 |
| 1515T | 6.8 | 4.58 | 8.64 | 15.0 | 15.0 | 19.0 |
| 1515TR | 6.8 | 4.58 | 8.64 | 15.0 | 15.0 | 15.0 |

Secondary Support Chains & Cable

- Provides additional safety by preventing balancer from accidentally falling due to failure of the support structure
- Chain or cable attaches to the balancer and to a support other than the balancer support
- The length of the chain or cable should be kept to an absolute minimum and may need to be adjusted.



Support Chain

| part no. | length (mm) | length (in) | description |
|----------|-------------|-------------|-------------------------|
| SSPLC | 483 | 19 | for EA, EB, JA, KA & LA |
| SSPEC | 508 | 20 | for F, & 1515T |

Support Wire Cable

| part no. | length (mm) | length (in) | description |
|----------|-------------|-------------|-------------|
| SSPBR | 508 | 20 | for RF & BF |
| SSPRR | 388 | 15.25 | for RB |

Mobile Electrification

What is Mobile Electrification?

Delivering power to the right place at the right time is only part of what goes into Woodhead's Mobile Electrification Power Systems. Performance with precision, especially under the most extreme conditions is critical in terms of your mobile electrification needs. Years of development and experience have allowed Woodhead to provide the most innovative, cost-effective and performance-ready Mobile Electrification Systems to the market.

Woodhead delivers a wide range of mobile electrification solutions for your needs with its product offerings including cable reels, festoon systems, slip rings, and conductor bar systems. Woodhead's Conductor Bar System – Pow-R-Feed® – leads the industry in mobile electrification solutions with a multitude of features.

5100 Wire Rope Festoon

Series 5100 wire rope supported systems are designed for simple applications with limited travel distance and speed requirements.

The systems are to be used with a maximum cable diameter of 0.91" for round cable or hose and .30" thickness for flat cable. Working travel up to 68 ft. and weight capacity of 9 lbs. per carrier.

System includes: two end clamps, two eyebolts, five clamps, one ball stop, intermediate carriers and nylon covered rope.

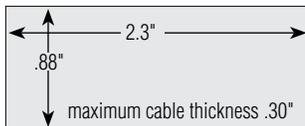
5100

WIRE ROPE FESTOON

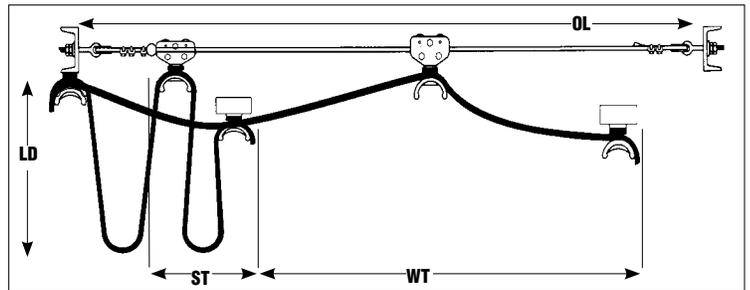
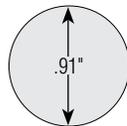
- Concave nylon wheels
- Nylon body
- Neoprene clamp pad
- 3/16" diameter wire rope, nylon coated to 1/4"
- Round and flat cable available
- Order complete system with one model number



5110 window size



5120 maximum diameter



5110 Flat Cable System - Maximum Cable Thickness .30"

| model | WT ft. | OL ft. | LD in. | max. cable wt. lbs. / ft. | ST ft. | number of carriers | CR ft.* |
|-------------|--------|--------|--------|---------------------------|--------|--------------------|---------|
| 5110-02-025 | 16 | 36 | 18.7 | 1.44 | 1.05 | 2 | 20 |
| | 21 | 48 | 23.7 | 1.09 | 1.05 | 2 | 26 |
| 5110-04-045 | 27 | 36 | 30.5 | 1.44 | 1.75 | 4 | 33 |
| | 36 | 48 | 39.4 | 1.09 | 1.75 | 4 | 43 |
| 5110-06-060 | 38 | 36 | 42.2 | 1.44 | 2.45 | 6 | 46 |
| | 51 | 48 | 55.1 | 1.09 | 2.45 | 6 | 60 |
| 5110-08-075 | 50 | 36 | 54.8 | 1.44 | 3.15 | 8 | 60 |
| | 66 | 48 | 70.8 | 1.09 | 3.15 | 8 | 77 |

5120 Round Cable System - Maximum Cable Outside Diameter .91"

| model | WT ft. | OL ft. | LD in. | max. cable wt. lbs. / ft. | ST ft. | number of carriers | CR ft.* |
|-------------|--------|--------|--------|---------------------------|--------|--------------------|---------|
| 5120-02-025 | 15 | 36 | 17.5 | 1.38 | 0.84 | 2 | 19 |
| | 20 | 48 | 22.5 | 1.05 | 0.84 | 2 | 24 |
| 5120-04-040 | 26 | 36 | 29.1 | 1.38 | 1.40 | 4 | 32 |
| | 35 | 48 | 38.1 | 1.05 | 1.40 | 4 | 41 |
| 5120-06-055 | 37 | 36 | 40.7 | 1.38 | 1.97 | 6 | 44 |
| | 50 | 48 | 53.7 | 1.05 | 1.97 | 6 | 59 |
| 5120-08-075 | 48 | 36 | 52.2 | 1.38 | 2.53 | 8 | 57 |
| | 65 | 48 | 69.2 | 1.05 | 2.53 | 8 | 76 |

* Cable Required

Mobile Electrification

4400 Box Track Festoon

The series 4400 box track supported systems are designed for use on large hoists, overhead cranes, conveyors and transfer equipment.

The systems are to be used with a travel speed up to 260 F.M.P. and a weight capacity of 88 lbs. per carrier.

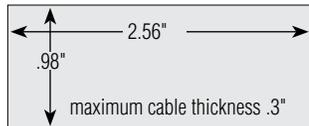
System includes: track, hanger brackets, joint brackets, carriers, end stops and end clamps. Round systems also include appropriate saddle kits.



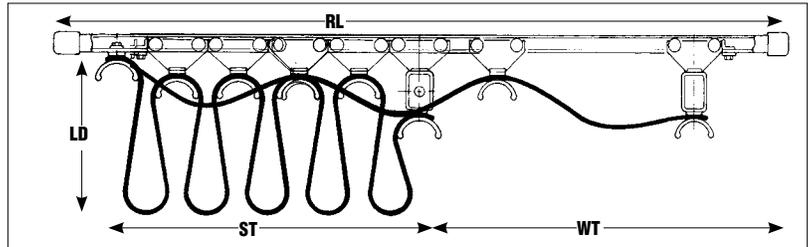
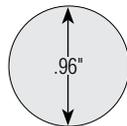
4400 BOX TRACK FESTOON

- Self aligning joint clamps with positive locks
- Ball bearing contoured steel wheels
- Galvanized steel body
- Neoprene clamp pad on 4410 models
- Galvanized steel saddle on 4421 models

4410 window size



4421 maximum diameter



4421 Round Cable System - Cable Diameter .60" to .96"

| model | WT ft. | LD in. | number of cars | ST ft. | CR* ft. | RL ft. |
|-------------|--------|--------|----------------|--------|---------|--------|
| 4421-36-003 | 14 | 36 | 3 | 1.0 | 24 | 17 |
| 4421-36-006 | 28 | 36 | 6 | 2.0 | 42 | 32 |
| 4421-36-009 | 42 | 36 | 9 | 2.9 | 61 | 47 |
| 4421-36-015 | 70 | 36 | 15 | 4.9 | 99 | 77 |
| 4421-48-004 | 25 | 48 | 4 | 1.3 | 38 | 28 |
| 4421-48-006 | 36 | 48 | 6 | 2.0 | 52 | 40 |
| 4421-48-009 | 55 | 48 | 9 | 2.9 | 77 | 60 |

4410 Flat Cable System - Maximum Cable Thickness .45"

| model | WT ft. | LD in. | number of cars | ST ft. | CR* ft. | RL ft. |
|-------------|--------|--------|----------------|--------|---------|--------|
| 4410-36-003 | 16 | 36 | 3 | 0.8 | 23 | 19 |
| 4410-36-006 | 32 | 36 | 6 | 1.6 | 42 | 36 |
| 4410-36-009 | 46 | 36 | 9 | 2.4 | 58 | 50 |
| 4410-36-015 | 79 | 36 | 15 | 3.9 | 96 | 85 |
| 4410-48-004 | 27 | 48 | 4 | 1.1 | 36 | 30 |
| 4410-48-006 | 42 | 48 | 6 | 1.6 | 53 | 46 |
| 4410-48-009 | 64 | 48 | 9 | 2.4 | 78 | 68 |

* Cable Required

Mobile Electrification

4200 Box Track Festoon

The series 4200 Value Plus box track supported systems are designed for use on small cranes, monorail hoists and transfer equipment.

This system offers a travel speed up to 175 F.P.M. and a weight capacity of 26 lbs. per carrier.

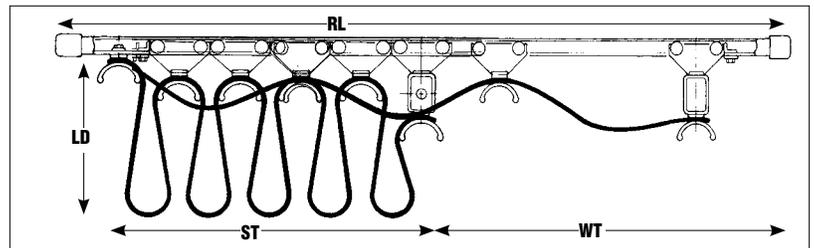
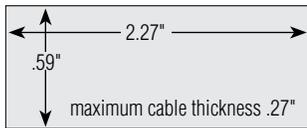
System includes: track, hanger brackets, joint brackets, carriers, end stops, end caps and end clamps

4 2 0 0 BOX TRACK FESTOON

- Self aligning joint clamps with positive locks
- Nylon body, saddle and wheels for durability and light weight
- Neoprene clamp pads compensate for uneven cable stacking up to 1/8"



4245 window size



Due to the custom applications of this system tech support is standing by to offer assistance.

4245 Flat Cable System - Maximum Cable Thickness .27"

| model | WT ft. | LD in. | number of cars | ST ft. | CR* ft. | RL ft. |
|-------------|--------|--------|----------------|--------|---------|--------|
| 4245-36-003 | 15 | 36 | 3 | 0.8 | 22 | 18 |
| 4245-36-006 | 30 | 36 | 6 | 1.6 | 40 | 34 |
| 4245-36-009 | 45 | 36 | 9 | 2.4 | 57 | 49 |
| 4245-36-015 | 74 | 36 | 15 | 3.9 | 91 | 80 |
| 4245-48-004 | 25 | 48 | 4 | 1.1 | 34 | 28 |
| 4245-48-006 | 36 | 48 | 6 | 1.6 | 46 | 40 |
| 4245-48-009 | 56 | 48 | 9 | 2.4 | 69 | 60 |

* Cable Required. (5 ft. included for hook up; add more if needed.)

I-Beam Festoon

Series 6000 I-beam systems are used when cable/hose weight and travel speed exceed the capacity of box track systems.

I-beam systems may also be selected due to environmental conditions or simply because a suitable I-beam is already in place. These systems are purchased as individual components to be mounted on the customer's beam.

A line of low-cost I-beam festoon components are also available that provide more flexible options for smaller cable packages.



Mobile Electrification

Pow-R-Feed® Conductor Bar System

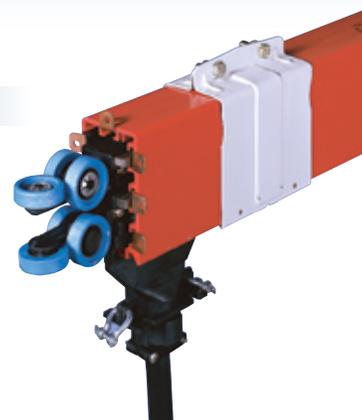
Pow-R-Feed provides a solution to applications where other methods of electrification are limited by space, speed, or hostile environments. The rigid PVC housing and neoprene sealing strips keep out contaminants; the compact cross section fits in areas with limited clearance. Rapid, easy setup provides for cost-efficient installation. The continuous contact surface reduces arcing, brush wear, corrosion and thermal expansion problems.

APPLICATIONS

- Plant automation and continuous testing applications where multiple signals are required and where it is important to maintain uninterrupted operations
- High speed automated storage and retrieval systems for both power and data signals: Transfer guides allow collector trolleys to move with mobile equipment in all three axes
- Overhead cranes where continuous duty is important and both maintenance and downtime must be minimized
- Coal handling, pulp and paper mills and textile mills: Sealed and continuously connected housings ensure high performance even in these difficult environmental Conditions.

SYSTEM FEATURES

- Universal housing for up to seven conductors
- Straight bar as well as horizontal, vertical and curve applications
- Continuous copper conductor strips – no joints!
- Current capacities 50 to 160 amps
- Travel speeds exceed 1,000 feet per minute
- Flexible sealing strips to protect against dust, humidity and corrosion
- Easily expanded or modified
- Ideal system for both control current and data/signal transmission
- Fast, easy installation
- Unlimited system length
- Indoor/outdoor applications
- No thermal expansion problems
- Compact design
- No exposed live electrical parts
- CSA certified
- Multiple conductors can be combined for increased ampacity

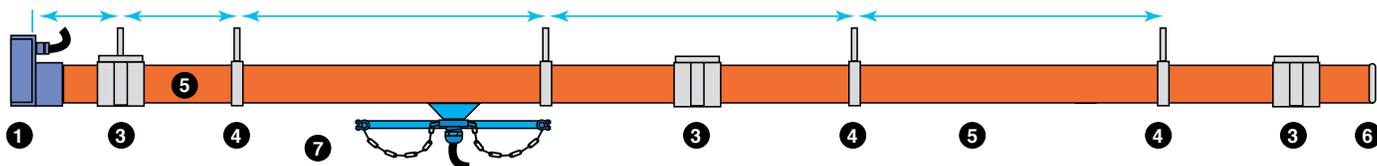


Typical System Configurations

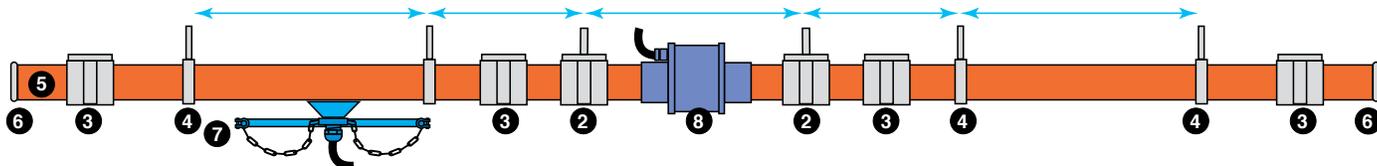
COMPONENTS

- | | |
|---------------------|--------------------------|
| 1 End Feed Box | 5 Housing |
| 2 Fixed-Point Clamp | 6 End Cap |
| 3 Joint Clamp | 7 Trolley w/Tow Arm |
| 4 Sliding Hanger | 8 Line Feed / Splice Box |

END FEED SYSTEM



LINE FEED SYSTEM



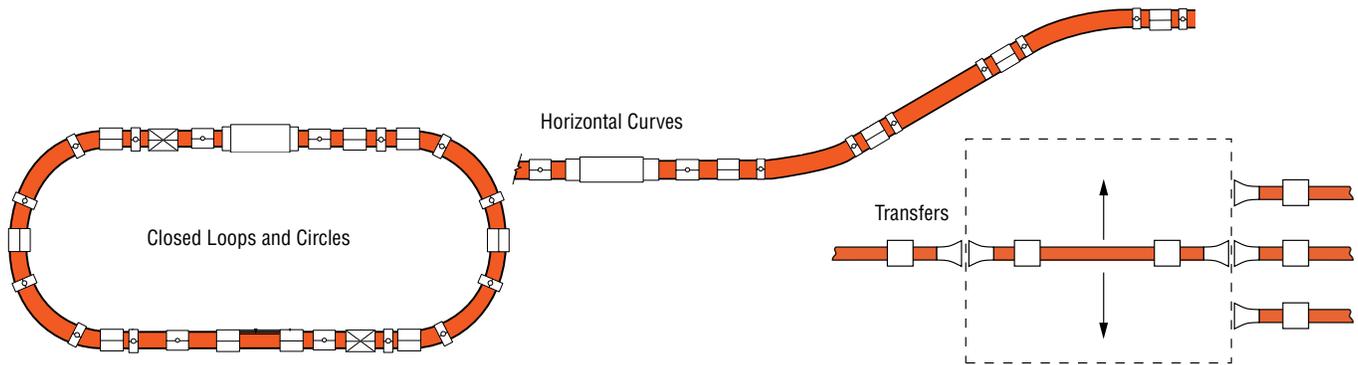
Mobile Electrification

Standard Collector Trolleys

Trolleys are available for 3, 4, 5, 6 and 7 conductors.
 Trolley may be connected in parallel to draw higher amperages.
 Consult Technical Support for parallel trolley connectors:
 1-800-225-7724.

TROLLEY FEATURES

- Carbon/bronze alloy contact brush with rounded corners, stainless steel compression springs and double shunts
- 2 meter pigtail prewired to each trolley
- Available glass filled nylon wheels allow for high speeds
- Wear resistant trolley body
- Dovetail wheel set connection for quick mounting
- Double middle brush for optimum trolley stability
- Detachable trolley neck for quick cable and strain relief replacement



When ordering a system, all components and hardware including continuous copper conductor strips, universal housing for up to seven conductors and support and joint hardware must be custom configured and properly specified for each application and environment. **Trolleys, tow arms, transition boxes and flexible sealing strips must be ordered separately.**

For assistance in configuring a system, contact our Technical Support at 1-800-225-7724. Please have the following info available:

- | | |
|---|---|
| <input type="checkbox"/> The number of conductors required | <input type="checkbox"/> Ambient conditions (temperature, dust, humidity, chemical, etc.) |
| <input type="checkbox"/> The housing length of the system. Each housing section is 4 meters long. > 1 meter = 3.28 feet | <input type="checkbox"/> Transfers or curved sections |
| <input type="checkbox"/> Type of equipment to be fed by Pow-R-Feed® | <input type="checkbox"/> Any special position or path concerns |
| <input type="checkbox"/> Track configuration: straight, curved (give details) | <input type="checkbox"/> Duty cycle (traverse & electrical) |
| <input type="checkbox"/> Total travel distance | <input type="checkbox"/> Electrical data (volts, amps, AC/DC) |
| <input type="checkbox"/> Maximum travel speed | <input type="checkbox"/> Power supply (wire size or conduit size) and location relative to system |



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