

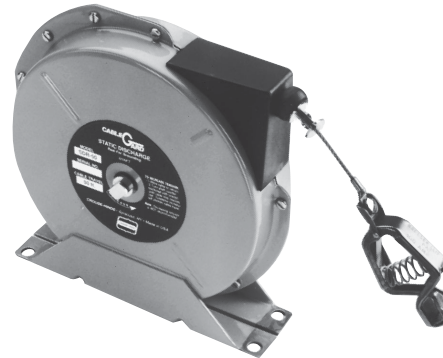
# 7P Cable-Gard™ Static Discharge Reels

## Applications:

Static discharge reels are used for grounding portable machines and equipment in hazardous areas, such as fuel transfer trucks, grain elevators, dockside loading facilities and barges. When properly clamped to ground the static discharge reel safely dissipates static electrical build-up and reduces the chance of sparking and the potential for explosion.

## Features:

- Automatic rewinding
- Rugged steel construction
- Compact enclosed design
- Positive ratchet lock
- Lock on/lock off switch
- Steel cable installed
- 100 amp universal jaw-type grounding clamp
- Safety orange polyester baked-on finish



SDR-50

## Standard Materials:

- Housing – steel construction

## Standard Finishes:

- Housing – orange polyester; baked on finish

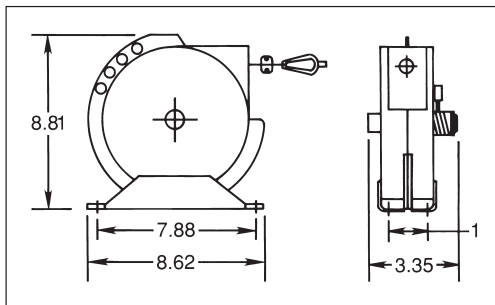
## Ordering Information:

| Cable Length (Feet) | Description                     | Weight Complete |       | Cat. #  |
|---------------------|---------------------------------|-----------------|-------|---------|
|                     |                                 | lbs.            | (Kg)  |         |
| 50                  | Single 7 × 30 steel*            | 12              | (5.4) | SDR 50  |
| 50                  | 35' plus 2 × 15' for Y (steel*) | 13              | (5.9) | SDR 50Y |
| 50                  | Nylon covered cable*            | 12              | (5.4) | SDR 50N |

\*Static discharge reels are supplied complete with 3/32" steel aircraft cable. DC resistance is approximately one ohm per 50 ft. of steel cable.

## Dimensions

### In Inches:



7P

## Applications:

Cable-Gard cable reels are designed for the constant, predictable pull of a machine and are designed for reliable operation in many applications. Typical uses include travelling cars, mobile hoists and various objects being lifted under power such as lifting magnets on cranes.

## Features:

- Unitized slip ring assembly transfers current from stationary to rotary. Brushes are an integral part of the slip ring assembly.
- Safe to change spring motor that is sized per application, clock type spring with window shade type action. Sealed in disposable housing, spring is never exposed to unravel and possibly harm.
- Watertight cable entrance terminates cord to reel spool with positive grip, watertight seal.
- Large junction box with 3/4" NPT conduit entrance may be positioned in choice of four directions.
- Multi-position roller guide is adjustable to 4 different positions. Allows easy adaptation of reel to positioning requirements of the application and controlled uniform retraction of cable onto spool. Roller guides are optional; consult factory.
- Baked-on powder epoxy finish provides tightly bonded, homogenous shield to abrasion and corrosion.
- Ratchet lock is provided for window shade type action. May be easily disengaged in field for constant tension applications.

## Certifications and Compliances:

- ANSI/UL 355
- CSA C22.2
- NEMA 3, 3R

## Standard Materials:

- Frame, spool – steel

## Standard Finishes:

- Baked on powder epoxy – orange

## Options:

- Description** **Suffix**
- Ball stop – keeps cable from rewinding out of reach in hand-pull applications.

| Cable Range O.D. Min./Max. | Suffix |
|----------------------------|--------|
| .38 – .50                  | C1     |
| .50 – .75                  | C2     |
| .75 – 1.00                 | C3     |

Ball stop may be ordered separately; use suffix number as catalog number.

- Pivot base – Pivot base allows 340° rotation of reel. Required for applications demanding reel self-alignment to direction of the cable run.

To order separately:

| Series | Pivot Base Cat. # |
|--------|-------------------|
| W14    | PB14              |
| W16    | PB16              |
| W19    | PB19              |

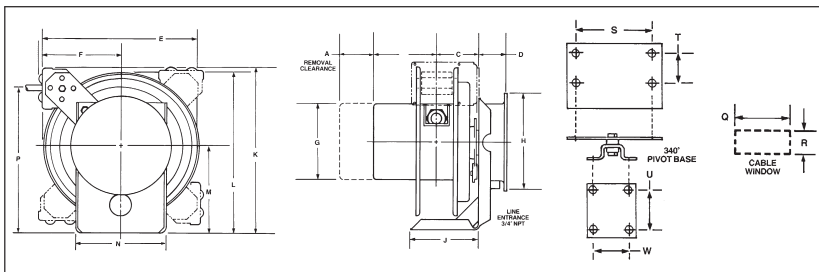
- Reel supplied less cable..... NS



## Electrical Ranges:

- 600 VAC (cable reel)
- Cord: #16 – #10, Type "SO", #8, Type "W", or Type "G" (see listings).

## Dimensions In Inches:



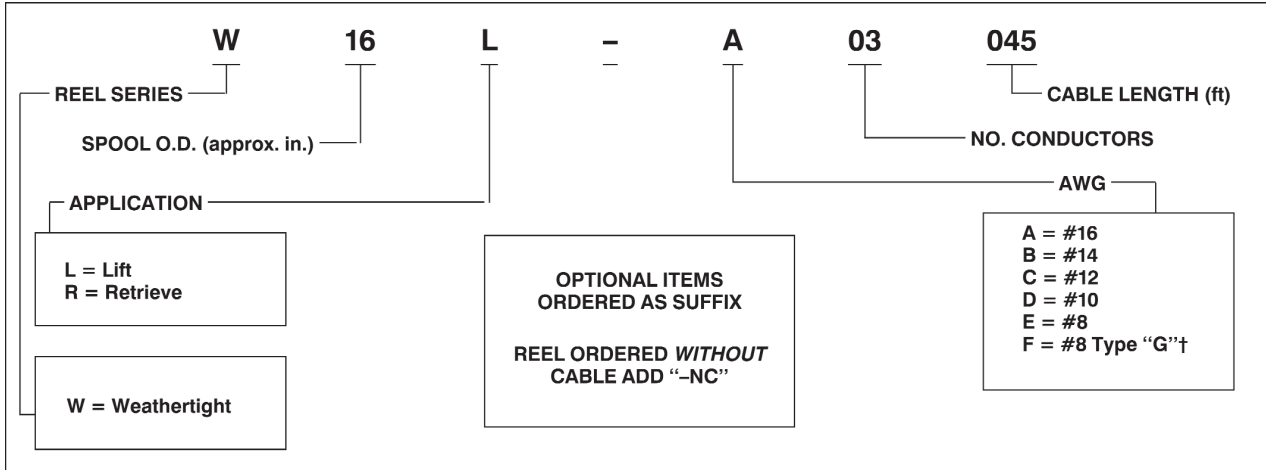
### Frame

| Size | C    | D    | E     | F     | G     | H    | J    | K     | L     | M     | N     | P     | Q    | R    |
|------|------|------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|------|------|
| W14  | 3.75 | 2.75 | 13.75 | 8.25  | 7.00  | 9.25 | 6.12 | 16.25 | 15.00 | 8.12  | 8.00  | 14.25 | 2.50 | 1.25 |
| W16  | 5.50 | 2.75 | 15.75 | 9.31  | 7.00  | 9.25 | 7.94 | 18.25 | 17.00 | 9.12  | 8.50  | 16.25 | 3.00 | 1.25 |
| W19  | 5.75 | 2.75 | 19.00 | 10.00 | 10.50 | 9.25 | 7.00 | 20.50 | 20.25 | 10.75 | 11.00 | 18.50 | 3.50 | 1.25 |

## Slip Ring Housing Dimensions:

| Poles/Amps    | W14  |      | W16  |      | W19  |      | A    | B    |
|---------------|------|------|------|------|------|------|------|------|
|               | A    | B    | A    | B    | A    | B    |      |      |
| 1-4; 30 Amps  | 4.50 | 5.69 | 4.50 | 5.94 | 4.50 | 5.94 | 3.25 | 5.44 |
| 5-8; 30 Amps  | 6.00 | 7.19 | 6.00 | 7.44 | 6.00 | 7.44 | 4.50 | 6.69 |
| 9-12; 30 Amps | 7.50 | 8.69 | 7.50 | 8.94 | 7.50 | 8.94 | 6.00 | 8.19 |
| 1-4; 55 Amps  | 6.00 | 7.19 | 6.00 | 7.44 | 6.00 | 7.44 | 4.50 | 6.69 |

Catalog Numbering System:



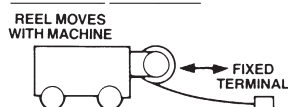
† Type “G” cable is supplied with a ground conductor.

Reel Selection Process:

Determine:

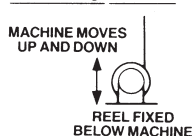
- 1. Cable Size and No. of Conductors**  
Be sure to choose cable that will adequately handle the current load (include ground when stating number of conductors). If the desired cable is not listed, consult factory.
- 2. Cable Length**  
Reels in this brochure will handle up to 150 feet of cable. Decide how far your equipment will travel from the reel and choose the appropriate column. The amount of cable needed to install the cable on the reel has been included. However, you must add:  
1) the amount of cable needed for Hook-Up to your equipment, and  
2) Cable Sag Allowance if “Stretch” applications (see footnote\*). Round up to the nearest footage on the selection chart.  
Cable Length Needed = Equipment Travel Distance Plus Hook-Up Plus Sag Allowance. (Sag allowance needed for “stretch” applications only.)
- 3. Type Of Cable**  
This is important as stranding and construction vary. Cable-Gard reels are provided with cable as listed in the electrical ranges listed on previous page.
- 4. Application**

Retrieving, Horizontal



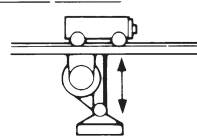
A horizontal retrieve application is identified when the reel is mounted on the moving equipment. The reel pays out and picks up the cable from a tray or other support.

Retrieving, Vertical



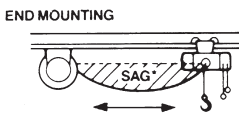
This application requires the reel to wind and unwind the cable but not lift or support the cable. A typical example is where the reel is mounted to the ground and the cable is attached to an elevating machine. In some cases the cable is anchored above and the reel rides up and down on an elevating machine.

Lifting, Vertical



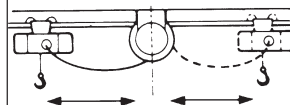
Any application where cable is simply hoisted vertically with the reel lifting only the weight of the cable. Special considerations must be given to any weight added to the end of the cable such as a push-button station. Listed spring tension is not designed to accommodate added weight. Consult the manufacturer for a specific recommendation.

Stretching\*, Horizontal



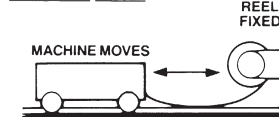
In addition to being capable of lifting cables vertically, all reels listed will stretch cables horizontally as shown. When stretching horizontally (unsupported, except at the reel and the moving current consumer) the sag or droop of the cable may be important. Spring tension on these reels is designed to provide for 8 - 10% sag at the midpoint of travel when fully extended. Stronger tension could be a problem for light, free moving loads which tend to be pulled toward the reel. The cable weight alone can pull a light load.

CENTER MOUNTING (Remove Cable Guide)



CENTER MOUNTING (cable guide is removed) can save over the cost of end mounting. For example, a machine traveling 50 ft. can be serviced by a center-mounted reel equipped with 25 ft. of cable. A comparable end-mounted reel would require the full 50 ft. of cable.

Dragging Cable



Drag applications refer to a reel mounted in a fixed (non-moving) position and the cable terminated on a moving machine. As the machine moves, the cable is pulled off of the reel and “dragged” over the surface. This is **NOT** a recommended application because of abuse to the cable resulting in shortened life.

\*Sag allowance must be considered when figuring cable length for STRETCH applications. Add 1 ft. of cable for each 50 ft. of working cable calculated for your application. (Working cable excludes hook-up length.)

## Reels for Lifting/Stretching:

### EXAMPLES:

A hoist is to travel 52 feet along an I-beam – this is a Stretch application. Required cable is 4 Conductor/No. 14. Hook-up is 2 feet.

The following EXAMPLES appear in bold type in the selection charts.

1. If the reel must be END MOUNTED, the required cable length would be 52 feet, plus 2 feet for the hook-up plus 2 feet for sag consideration\*. Round up to 60 feet per the available footage in the chart below. The correct model to choose would be **W16L-B04060**.

2. If the reel may be CENTER MOUNTED, only half as much cable is required – it will be used in both directions. Half of the required length would be 26 feet, plus 2 feet for the hook-up plus 1 foot for sag consideration for a total of 29 feet. Round up to 30 feet and choose model **W14L-B04030**. A savings will be realized because less cable was used and, thus, a smaller reel was required.

### Selection Chart:

| Wire Size | No. of Cond. | 20 Feet     | 30 Feet            | 40 Feet     | 50 Feet     | 60 Feet            | 70 Feet     |
|-----------|--------------|-------------|--------------------|-------------|-------------|--------------------|-------------|
| 16        | 3            | W14L A03020 | W14L A03030        | W14L A03040 | W16L A03050 | W16L A03060        | W19L A03070 |
|           | 4            | W14L A04020 | W14L A04030        | W14L A04040 | W16L A04050 | W16L A04060        | W19L A04070 |
|           | 6            | W14L A06020 | W14L A06030        | W14L A06040 | W14L A06050 | W16L A06060        | W19L A06070 |
|           | 8            | W16L A08020 | W16L A08030        | W16L A08040 | W16L A08050 | W16L A08060        | W19L A08070 |
|           | 10           | W16L A10020 | W16L A10030        | W16L A10040 | W16L A10050 | W19L A10060        | W19L A10070 |
|           | 12           | W16L A12020 | W16L A12030        | W16L A12040 | W16L A12050 | W19L A12060        | W19L A12070 |
| 14        | 3            | W14L B03020 | W14L B03030        | W14L B03040 | W14L B03050 | W16L B03060        | W16L B03070 |
|           | 4            | W14L B04020 | <b>W14L B04030</b> | W14L B04040 | W14L B04050 | <b>W16L B04060</b> | W16L B04070 |
|           | 6            | W14L B06020 | W14L B06030        | W16L B06040 | W16L B06050 | W16L B06060        | W19L B06070 |
|           | 8            | W14L B08020 | W16L B08030        | W16L B08040 | W16L B08050 | W19L B08060        | W19L B08070 |
|           | 10           | W14L B10020 | W16L B10030        | W19L B10040 |             |                    |             |
|           | 12           | W16L B12020 | W16L B12030        | W19L B12040 |             |                    |             |
| 12        | 3            | W14L C03020 | W14L C03030        | W14L C03040 | W14L C03050 | W16L C03060        | W19L C03070 |
|           | 4            | W14L C04020 | W14L C04030        | W14L C04040 | W16L C04050 | W16L C04060        | W19L C04070 |
|           | 6            | W14L C06020 | W16L C06030        | W16L C06040 | W19L C06050 | W19L C06060        |             |
|           | 8            | W14L C08020 | W16L C08030        | W19L C08040 |             |                    |             |
| 10        | 3            | W14L D03020 | W14L D03030        | W14L D03040 | W16L D03050 | W16L D03060        | W19L D03070 |
|           | 4            | W14L D04020 | W14L D04030        | W16L D04040 | W16L D04050 | W19L D04060        | W19L D04070 |
|           | 6            | W16L D06020 |                    |             |             |                    |             |
| 8         | 2            | W14L E02020 | W16L E02030        | W16L E02040 | W19L E02050 |                    |             |
|           | 3            | W16L E03020 | W16L E03030        | W19L E03040 |             |                    |             |
|           | 3†           | W14L F03020 | W16L F03030        | W19L F03040 |             |                    |             |
|           | 4            | W16L E04020 | W16L E04030        | W19L E04040 |             |                    |             |

\*Sag allowance must be considered when figuring cable length for Stretch applications. Add 1 foot of cable for each 50 feet of working cable calculated for your application. (Working cable excludes hook-up length.)  
 †Type "G" cable.



# 7P Retrieve Reels

## Reels for Retrieving:

### EXAMPLES:

A moving car is to travel 55 feet. Required cable is 4 Conductor/No. 10. Extra cables needed to hook up to the car is 2 feet. The following EXAMPLES appear in bold type in the selection charts.

1. If the reel must be END MOUNTED, the required cable length would be 55 feet, plus 2 feet for the hook-up. Round up to 60 feet per the available footage in the chart below. The correct model to choose would be **W19R-D04060**.

2. If the reel may be CENTER MOUNTED, only half as much cable is required – it will be used in both directions. Half of the required length would be 27.5 feet, plus 2 feet for the hook-up for a total of 29.5 feet. Round up to 30 feet and choose model **W14R-D04030**. A savings will be realized because less cable was used and, thus, a smaller reel was required.

## Selection Chart:

| Wire Size | No. of Cond. | 20 Feet     | 30 Feet            | 40 Feet     | 50 Feet     | 60 Feet            | 70 Feet     |
|-----------|--------------|-------------|--------------------|-------------|-------------|--------------------|-------------|
| 16        | 3            | W14R A03020 | W14R A03030        | W14R A03040 | W16R A03050 | W16R A03060        | W19R A03070 |
|           | 4            | W14R A04020 | W14R A04030        | W14R A04040 | W16R A04050 | W16R A04060        | W19R A04070 |
|           | 6            | W14R A06020 | W14R A06030        | W14R A06040 | W14R A06050 | W16R A06060        | W19R A06070 |
|           | 8            | W14R A08020 | W14R A08030        | W16R A08040 | W16R A08050 | W16R A08060        | W19R A08070 |
|           | 10           | W14R A10020 | W14R A10030        | W16R A10040 | W16R A10050 | W19R A10060        | W19R A10070 |
|           | 12           | W14R A12020 | W14R A12030        | W16R A12040 | W16R A12050 | W19R A12060        | W19R A12070 |
| 14        | 3            | W14R B03020 | W14R B03030        | W14R B03040 | W14R B03050 | W16R B03060        | W19R B03070 |
|           | 4            | W14R B04020 | W14R B04030        | W14R B04040 | W14R B04050 | W16R B04060        | W19R B04070 |
|           | 6            | W14R B06020 | W14R B06030        | W16R B06040 | W16R B06050 | W16R B06060        | W19R B06070 |
|           | 8            | W14R B08020 | W16R B08030        | W16R B08040 | W19R B08050 | W19R B08060        | W19R B08070 |
|           | 10           | W14R B10020 | W16R B10030        | W19R B10040 |             |                    |             |
|           | 12           | W16R B12020 | W16R B12030        | W19R B12040 |             |                    |             |
| 12        | 3            | W14R C03020 | W14R C03030        | W14R C03040 | W14R C03050 | W16R C03060        | W16R C03070 |
|           | 4            | W14R C04020 | W14R C04030        | W14R C04040 | W16R C04050 | W16R C04060        | W19R C04070 |
|           | 6            | W14R C06020 | W16R C06030        | W16R C06040 | W19R C06050 | W19R C06060        | W19R 06070  |
|           | 8            | W14R C08020 | W16R C08030        | W19R C08040 |             |                    |             |
|           | 10           |             |                    |             |             |                    |             |
|           | 12           |             |                    |             |             |                    |             |
| 10        | 3            | W14R D03020 | W14R D03030        | W14R D03040 | W16R D03050 | W16R D03060        | W16R D03070 |
|           | 4            | W14R D04020 | <b>W14R D04030</b> | W16R D04040 | W16R D04050 | <b>W19R D04060</b> | W19R D04070 |
|           | 6            | W14R D06020 | W19R D06030        | W19R D06040 |             |                    |             |
|           | 8            | W19R D08020 | W19R D08030        |             |             |                    |             |
| 8         | 2            | W14R E02020 | W16R E02030        | W16R E02040 | W19R E02050 | W20AR E02060       |             |
|           | 3            | W14R E03020 | W16R E03030        | W19R E03040 |             |                    |             |
|           | 3†           | W14R F03020 | W16R F03030        | W19R F03040 |             |                    |             |
|           | 4            | W16R E04020 | W16R E04030        | W19R E04040 |             |                    |             |

†Type "G" cable.

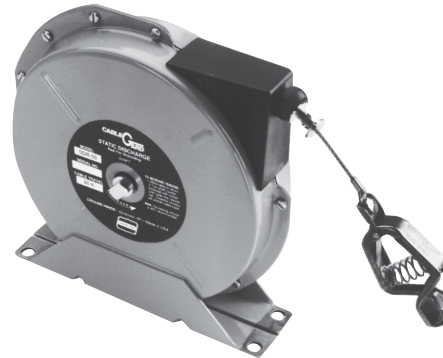
# 7P Cable-Gard™ Static Discharge Reels

## Applications:

Static discharge reels are used for grounding portable machines and equipment in hazardous areas, such as fuel transfer trucks, grain elevators, dockside loading facilities and barges. When properly clamped to ground the static discharge reel safely dissipates static electrical build-up and reduces the chance of sparking and the potential for explosion.

## Features:

- Automatic rewinding
- Rugged steel construction
- Compact enclosed design
- Positive ratchet lock
- Lock on/lock off switch
- Steel cable installed
- 100 amp universal jaw-type grounding clamp
- Safety orange polyester baked-on finish



SDR-50

## Standard Materials:

- Housing – steel construction

## Standard Finishes:

- Housing – orange polyester; baked on finish

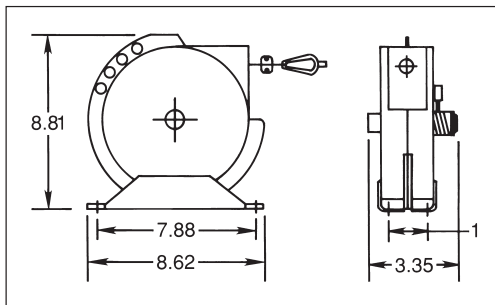
## Ordering Information:

| Cable Length (Feet) | Description                     | Weight Complete |       | Cat. #  |
|---------------------|---------------------------------|-----------------|-------|---------|
|                     |                                 | lbs.            | (Kg)  |         |
| 50                  | Single 7 × 30 steel*            | 12              | (5.4) | SDR 50  |
| 50                  | 35' plus 2 × 15' for Y (steel*) | 13              | (5.9) | SDR 50Y |
| 50                  | Nylon covered cable*            | 12              | (5.4) | SDR 50N |

\*Static discharge reels are supplied complete with 3/32" steel aircraft cable. DC resistance is approximately one ohm per 50 ft. of steel cable.

## Dimensions

### In Inches:



7P

## Applications:

Cable-Gard cable reels are designed for the constant, predictable pull of a machine and are designed for reliable operation in many applications. Typical uses include travelling cars, mobile hoists and various objects being lifted under power such as lifting magnets on cranes.

## Features:

- Unitized slip ring assembly transfers current from stationary to rotary. Brushes are an integral part of the slip ring assembly.
- Safe to change spring motor that is sized per application, clock type spring with window shade type action. Sealed in disposable housing, spring is never exposed to unravel and possibly harm.
- Watertight cable entrance terminates cord to reel spool with positive grip, watertight seal.
- Large junction box with 3/4" NPT conduit entrance may be positioned in choice of four directions.
- Multi-position roller guide is adjustable to 4 different positions. Allows easy adaptation of reel to positioning requirements of the application and controlled uniform retraction of cable onto spool. Roller guides are optional; consult factory.
- Baked-on powder epoxy finish provides tightly bonded, homogenous shield to abrasion and corrosion.
- Ratchet lock is provided for window shade type action. May be easily disengaged in field for constant tension applications.

## Certifications and Compliances:

- ANSI/UL 355
- CSA C22.2
- NEMA 3, 3R

## Standard Materials:

- Frame, spool – steel

## Standard Finishes:

- Baked on powder epoxy – orange

## Options:

- Description** **Suffix**
- Ball stop – keeps cable from rewinding out of reach in hand-pull applications.

**Cable Range O.D. Min./Max.** **Suffix**

|                 |           |
|-----------------|-----------|
| .38 – .50.....  | <b>C1</b> |
| .50 – .75.....  | <b>C2</b> |
| .75 – 1.00..... | <b>C3</b> |

Ball stop may be ordered separately; use suffix number as catalog number.

- Pivot base – Pivot base allows 340° rotation of reel. Required for applications demanding reel self-alignment to direction of the cable run..... **S**

To order separately:

| Series | Pivot Base Cat. # |
|--------|-------------------|
| W14    | <b>PB14</b>       |
| W16    | <b>PB16</b>       |
| W19    | <b>PB19</b>       |

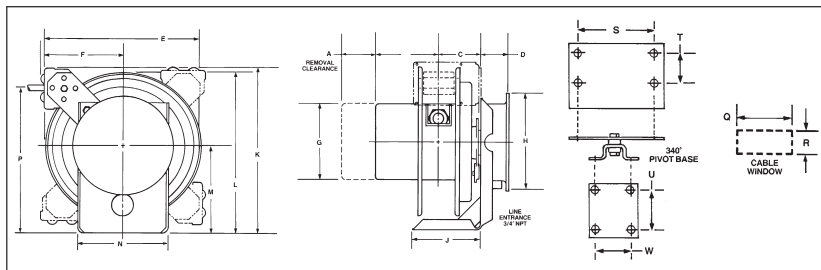
- Reel supplied less cable..... **NS**



## Electrical Ranges:

- 600 VAC (cable reel)
- Cord: #16 – #10, Type "SO", #8, Type "W", or Type "G" (see listings).

## Dimensions In Inches:



### Frame

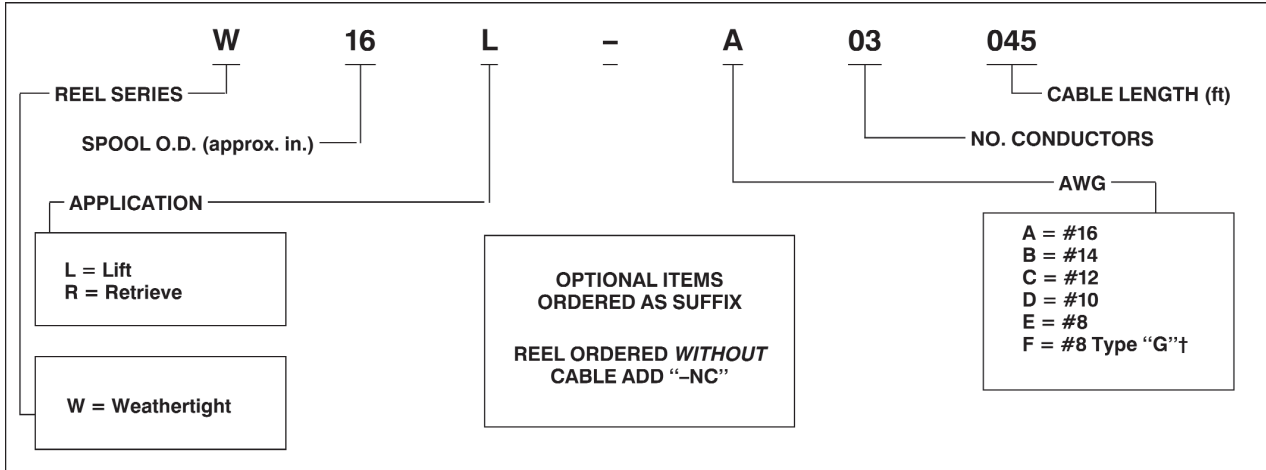
| Size       | C    | D    | E     | F     | G     | H    | J    | K     | L     | M     | N     | P     | Q    | R    |
|------------|------|------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|------|------|
| <b>W14</b> | 3.75 | 2.75 | 13.75 | 8.25  | 7.00  | 9.25 | 6.12 | 16.25 | 15.00 | 8.12  | 8.00  | 14.25 | 2.50 | 1.25 |
| <b>W16</b> | 5.50 | 2.75 | 15.75 | 9.31  | 7.00  | 9.25 | 7.94 | 18.25 | 17.00 | 9.12  | 8.50  | 16.25 | 3.00 | 1.25 |
| <b>W19</b> | 5.75 | 2.75 | 19.00 | 10.00 | 10.50 | 9.25 | 7.00 | 20.50 | 20.25 | 10.75 | 11.00 | 18.50 | 3.50 | 1.25 |

## Slip Ring Housing Dimensions:

| Poles/Amps    | W14  |      | W16  |      | W19  |      | A    | B    |
|---------------|------|------|------|------|------|------|------|------|
|               | A    | B    | A    | B    | A    | B    |      |      |
| 1-4; 30 Amps  | 4.50 | 5.69 | 4.50 | 5.94 | 4.50 | 5.94 | 3.25 | 5.44 |
| 5-8; 30 Amps  | 6.00 | 7.19 | 6.00 | 7.44 | 6.00 | 7.44 | 4.50 | 6.69 |
| 9-12; 30 Amps | 7.50 | 8.69 | 7.50 | 8.94 | 7.50 | 8.94 | 6.00 | 8.19 |
| 1-4; 55 Amps  | 6.00 | 7.19 | 6.00 | 7.44 | 6.00 | 7.44 | 4.50 | 6.69 |



Catalog Numbering System:



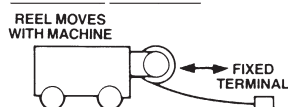
† Type “G” cable is supplied with a ground conductor.

Reel Selection Process:

Determine:

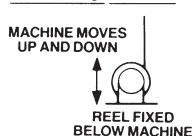
- 1. Cable Size and No. of Conductors**  
Be sure to choose cable that will adequately handle the current load (include ground when stating number of conductors). If the desired cable is not listed, consult factory.
- 2. Cable Length**  
Reels in this brochure will handle up to 150 feet of cable. Decide how far your equipment will travel from the reel and choose the appropriate column. The amount of cable needed to install the cable on the reel has been included. However, you must add:  
1) the amount of cable needed for Hook-Up to your equipment, and  
2) Cable Sag Allowance if “Stretch” applications (see footnote\*). Round up to the nearest footage on the selection chart.  
Cable Length Needed = Equipment Travel Distance Plus Hook-Up Plus Sag Allowance. (Sag allowance needed for “stretch” applications only.)
- 3. Type Of Cable**  
This is important as stranding and construction vary. Cable-Gard reels are provided with cable as listed in the electrical ranges listed on previous page.
- 4. Application**

Retrieving, Horizontal



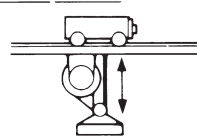
A horizontal retrieve application is identified when the reel is mounted on the moving equipment. The reel pays out and picks up the cable from a tray or other support.

Retrieving, Vertical



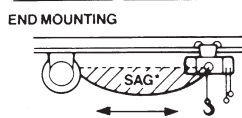
This application requires the reel to wind and unwind the cable but not lift or support the cable. A typical example is where the reel is mounted to the ground and the cable is attached to an elevating machine. In some cases the cable is anchored above and the reel rides up and down on an elevating machine.

Lifting, Vertical

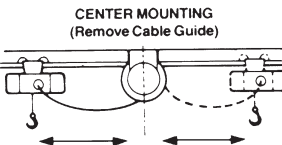


Any application where cable is simply hoisted vertically with the reel lifting only the weight of the cable. Special considerations must be given to any weight added to the end of the cable such as a push-button station. Listed spring tension is not designed to accommodate added weight. Consult the manufacturer for a specific recommendation.

Stretching\*, Horizontal

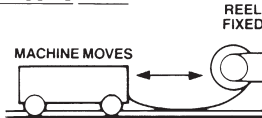


In addition to being capable of lifting cables vertically, all reels listed will stretch cables horizontally as shown. When stretching horizontally (unsupported, except at the reel and the moving current consumer) the sag or droop of the cable may be important. Spring tension on these reels is designed to provide for 8 - 10% sag at the midpoint of travel when fully extended. Stronger tension could be a problem for light, free moving loads which tend to be pulled toward the reel. The cable weight alone can pull a light load.



CENTER MOUNTING (cable guide is removed) can save over the cost of end mounting. For example, a machine traveling 50 ft. can be serviced by a center-mounted reel equipped with 25 ft. of cable. A comparable end-mounted reel would require the full 50 ft. of cable.

Dragging Cable



Drag applications refer to a reel mounted in a fixed (non-moving) position and the cable terminated on a moving machine. As the machine moves, the cable is pulled off of the reel and “dragged” over the surface. This is **NOT** a recommended application because of abuse to the cable resulting in shortened life.

\*Sag allowance must be considered when figuring cable length for STRETCH applications. Add 1 ft. of cable for each 50 ft. of working cable calculated for your application. (Working cable excludes hook-up length.)



## Reels for Lifting/Stretching:

### EXAMPLES:

A hoist is to travel 52 feet along an I-beam – this is a Stretch application. Required cable is 4 Conductor/No. 14. Hook-up is 2 feet.

The following EXAMPLES appear in bold type in the selection charts.

1. If the reel must be END MOUNTED, the required cable length would be 52 feet, plus 2 feet for the hook-up plus 2 feet for sag consideration\*. Round up to 60 feet per the available footage in the chart below. The correct model to choose would be **W16L-B04060**.

2. If the reel may be CENTER MOUNTED, only half as much cable is required – it will be used in both directions. Half of the required length would be 26 feet, plus 2 feet for the hook-up plus 1 foot for sag consideration for a total of 29 feet. Round up to 30 feet and choose model **W14L-B04030**. A savings will be realized because less cable was used and, thus, a smaller reel was required.

### Selection Chart:

| Wire Size | No. of Cond. | 20 Feet     | 30 Feet            | 40 Feet     | 50 Feet     | 60 Feet            | 70 Feet     |
|-----------|--------------|-------------|--------------------|-------------|-------------|--------------------|-------------|
| 16        | 3            | W14L A03020 | W14L A03030        | W14L A03040 | W16L A03050 | W16L A03060        | W19L A03070 |
|           | 4            | W14L A04020 | W14L A04030        | W14L A04040 | W16L A04050 | W16L A04060        | W19L A04070 |
|           | 6            | W14L A06020 | W14L A06030        | W14L A06040 | W14L A06050 | W16L A06060        | W19L A06070 |
|           | 8            | W16L A08020 | W16L A08030        | W16L A08040 | W16L A08050 | W16L A08060        | W19L A08070 |
|           | 10           | W16L A10020 | W16L A10030        | W16L A10040 | W16L A10050 | W19L A10060        | W19L A10070 |
|           | 12           | W16L A12020 | W16L A12030        | W16L A12040 | W16L A12050 | W19L A12060        | W19L A12070 |
| 14        | 3            | W14L B03020 | W14L B03030        | W14L B03040 | W14L B03050 | W16L B03060        | W16L B03070 |
|           | 4            | W14L B04020 | <b>W14L B04030</b> | W14L B04040 | W14L B04050 | <b>W16L B04060</b> | W16L B04070 |
|           | 6            | W14L B06020 | W14L B06030        | W16L B06040 | W16L B06050 | W16L B06060        | W19L B06070 |
|           | 8            | W14L B08020 | W16L B08030        | W16L B08040 | W16L B08050 | W19L B08060        | W19L B08070 |
|           | 10           | W14L B10020 | W16L B10030        | W19L B10040 |             |                    |             |
|           | 12           | W16L B12020 | W16L B12030        | W19L B12040 |             |                    |             |
| 12        | 3            | W14L C03020 | W14L C03030        | W14L C03040 | W14L C03050 | W16L C03060        | W19L C03070 |
|           | 4            | W14L C04020 | W14L C04030        | W14L C04040 | W16L C04050 | W16L C04060        | W19L C04070 |
|           | 6            | W14L C06020 | W16L C06030        | W16L C06040 | W19L C06050 | W19L C06060        |             |
|           | 8            | W14L C08020 | W16L C08030        | W19L C08040 |             |                    |             |
| 10        | 3            | W14L D03020 | W14L D03030        | W14L D03040 | W16L D03050 | W16L D03060        | W19L D03070 |
|           | 4            | W14L D04020 | W14L D04030        | W16L D04040 | W16L D04050 | W19L D04060        | W19L D04070 |
|           | 6            | W16L D06020 |                    |             |             |                    |             |
| 8         | 2            | W14L E02020 | W16L E02030        | W16L E02040 | W19L E02050 |                    |             |
|           | 3            | W16L E03020 | W16L E03030        | W19L E03040 |             |                    |             |
|           | 3†           | W14L F03020 | W16L F03030        | W19L F03040 |             |                    |             |
|           | 4            | W16L E04020 | W16L E04030        | W19L E04040 |             |                    |             |

\*Sag allowance must be considered when figuring cable length for Stretch applications. Add 1 foot of cable for each 50 feet of working cable calculated for your application. (Working cable excludes hook-up length.)  
 †Type "G" cable.



# 7P Retrieve Reels

## Reels for Retrieving:

### EXAMPLES:

A moving car is to travel 55 feet. Required cable is 4 Conductor/No. 10. Extra cables needed to hook up to the car is 2 feet. The following EXAMPLES appear in bold type in the selection charts.

1. If the reel must be END MOUNTED, the required cable length would be 55 feet, plus 2 feet for the hook-up. Round up to 60 feet per the available footage in the chart below. The correct model to choose would be **W19R-D04060**.

2. If the reel may be CENTER MOUNTED, only half as much cable is required – it will be used in both directions. Half of the required length would be 27.5 feet, plus 2 feet for the hook-up for a total of 29.5 feet. Round up to 30 feet and choose model **W14R-D04030**. A savings will be realized because less cable was used and, thus, a smaller reel was required.

## Selection Chart:

| Wire Size | No. of Cond. | 20 Feet     | 30 Feet            | 40 Feet     | 50 Feet     | 60 Feet            | 70 Feet     |
|-----------|--------------|-------------|--------------------|-------------|-------------|--------------------|-------------|
| 16        | 3            | W14R A03020 | W14R A03030        | W14R A03040 | W16R A03050 | W16R A03060        | W19R A03070 |
|           | 4            | W14R A04020 | W14R A04030        | W14R A04040 | W16R A04050 | W16R A04060        | W19R A04070 |
|           | 6            | W14R A06020 | W14R A06030        | W14R A06040 | W14R A06050 | W16R A06060        | W19R A06070 |
|           | 8            | W14R A08020 | W14R A08030        | W16R A08040 | W16R A08050 | W16R A08060        | W19R A08070 |
|           | 10           | W14R A10020 | W14R A10030        | W16R A10040 | W16R A10050 | W19R A10060        | W19R A10070 |
|           | 12           | W14R A12020 | W14R A12030        | W16R A12040 | W16R A12050 | W19R A12060        | W19R A12070 |
| 14        | 3            | W14R B03020 | W14R B03030        | W14R B03040 | W14R B03050 | W16R B03060        | W19R B03070 |
|           | 4            | W14R B04020 | W14R B04030        | W14R B04040 | W14R B04050 | W16R B04060        | W19R B04070 |
|           | 6            | W14R B06020 | W14R B06030        | W16R B06040 | W16R B06050 | W16R B06060        | W19R B06070 |
|           | 8            | W14R B08020 | W16R B08030        | W16R B08040 | W19R B08050 | W19R B08060        | W19R B08070 |
|           | 10           | W14R B10020 | W16R B10030        | W19R B10040 |             |                    |             |
|           | 12           | W16R B12020 | W16R B12030        | W19R B12040 |             |                    |             |
| 12        | 3            | W14R C03020 | W14R C03030        | W14R C03040 | W14R C03050 | W16R C03060        | W16R C03070 |
|           | 4            | W14R C04020 | W14R C04030        | W14R C04040 | W16R C04050 | W16R C04060        | W19R C04070 |
|           | 6            | W14R C06020 | W16R C06030        | W16R C06040 | W19R C06050 | W19R C06060        | W19R 06070  |
|           | 8            | W14R C08020 | W16R C08030        | W19R C08040 |             |                    |             |
|           | 10           |             |                    |             |             |                    |             |
|           | 12           |             |                    |             |             |                    |             |
| 10        | 3            | W14R D03020 | W14R D03030        | W14R D03040 | W16R D03050 | W16R D03060        | W16R D03070 |
|           | 4            | W14R D04020 | <b>W14R D04030</b> | W16R D04040 | W16R D04050 | <b>W19R D04060</b> | W19R D04070 |
|           | 6            | W14R D06020 | W19R D06030        | W19R D06040 |             |                    |             |
|           | 8            | W19R D08020 | W19R D08030        |             |             |                    |             |
| 8         | 2            | W14R E02020 | W16R E02030        | W16R E02040 | W19R E02050 | W20AR E02060       |             |
|           | 3            | W14R E03020 | W16R E03030        | W19R E03040 |             |                    |             |
|           | 3†           | W14R F03020 | W16R F03030        | W19R F03040 |             |                    |             |
|           | 4            | W16R E04020 | W16R E04030        | W19R E04040 |             |                    |             |

†Type "G" cable.