

Entertainment

Product Guide

Providing Entertainment
Solutions for

Audio, Video & Lighting Needs

Cable Management Systems

Stage & Set **Electrification**



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Stage and Screen Set Design Products

From performing arts and concerts to studio and television, Gleason Reel has the right products for the right application. These events typically include a variety of learning and entertainment activities, performances, plays and general assemblies, or large-scale seminars, theatre productions and award ceremonies. These spaces must accommodate the latest audio, visual, and lighting technology while providing maximum reliability to ensure that the show goes on.

At Gleason Reel, we offer products tailored to the Entertainment Industry requirements for reliability, durability and safety.

Our products are proudly assembled in Mayville, Wisconsin USA



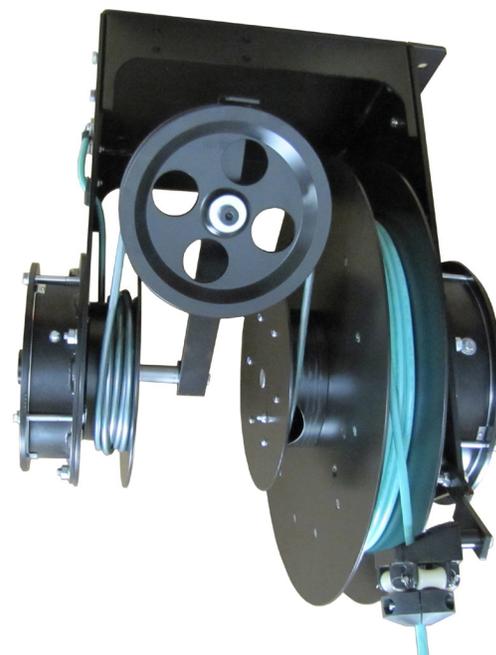
Cable Reels

Series 'WB' Cable Reels

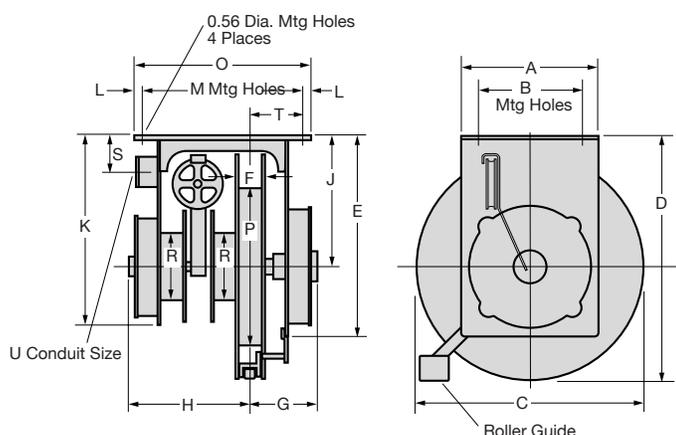
Without Slip Rings

Gleason Series 'WB' (without brushes) Cable Reels are continuous contact reels designed for applications where any impedance must be avoided. Because WB-Reels use one continuous length of cable, there is no break from current source to consumer and that means complete preservation of transmission integrity.

The absence of electrical contact points on WB Reels make them an outstanding choice for applications involving portable or movable communication or instrumentation equipment. Such equipment could be adversely affected by the varying resistance of sliding electrical contacts or undue twisting of cords or cables resulting in varying impedance.



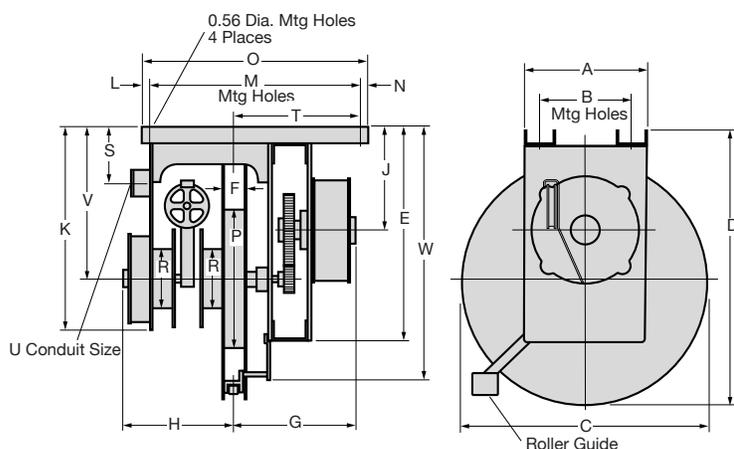
WB-60 and WB-75 Series



| | MODEL | |
|---|----------|----------|
| | WB-60-25 | WB-75-25 |
| A | 12.00 | 12.00 |
| B | 9.00 | 9.00 |
| C | 20.00 | 27.00 |
| D | 21.69 | 28.69 |
| E | 17.69 | 20.75 |
| F | 2.00 | 2.00 |
| G | 5.88 | 6.81 |
| H | 10.50 | 10.75 |
| J | 11.69 | 15.19 |
| K | 16.69 | 19.69 |

| | MODEL | |
|---|----------|----------|
| | WB-60-25 | WB-75-25 |
| L | 0.75 | 0.75 |
| M | 13.88 | 13.88 |
| N | 0.75 | 0.75 |
| O | 15.37 | 15.37 |
| P | 14.00 | 22.00 |
| R | 6.00 | 6.00 |
| S | 3.25 | 6.69 |
| T | 4.75 | 4.63 |
| U | 0.50 | 0.50 |

WB-100 Series



| | MODEL | |
|---|-----------|---------------|
| | WB-100-60 | WB-100-100-60 |
| A | 12.00 | 12.00 |
| B | 9.00 | 9.00 |
| C | 24.00 | 28.00 |
| D | 27.19 | 31.19 |
| E | 18.19 | 20.19 |
| F | 2.00 | 2.00 |
| G | 11.75 | 16.00 |
| H | 10.50 | 10.75 |
| J | 10.19 | 12.19 |
| K | 21.56 | 23.56 |
| L | 0.75 | 0.75 |

| | MODEL | |
|---|-----------|---------------|
| | WB-100-60 | WB-100-100-60 |
| M | 20.75 | 20.75 |
| N | 1.50 | 1.50 |
| O | 23.00 | 23.00 |
| P | 14.00 | 16.00 |
| R | 6.00 | 6.00 |
| S | 4.19 | 6.00 |
| T | 11.44 | 11.44 |
| U | 0.75 | 0.75 |
| V | 15.19 | 17.19 |
| W | 21.69 | 23.69 |

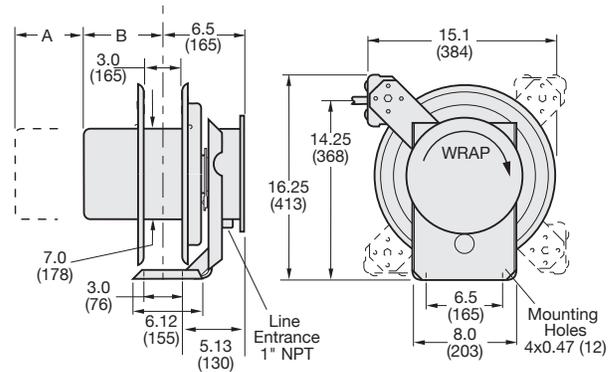
Series 'CM' Cable-Master Reels

Gleason Cable-Master Reels are ruggedly built and their design has been refined over many years of field use. These reels have either fully automatic or ratchet controlled spring rewind. Standard features include: rolled cable guide, ratchet lock and 600 volt slip ring. Available for 3 to 12 conductors, 20' to 70' travel. Data cable available.



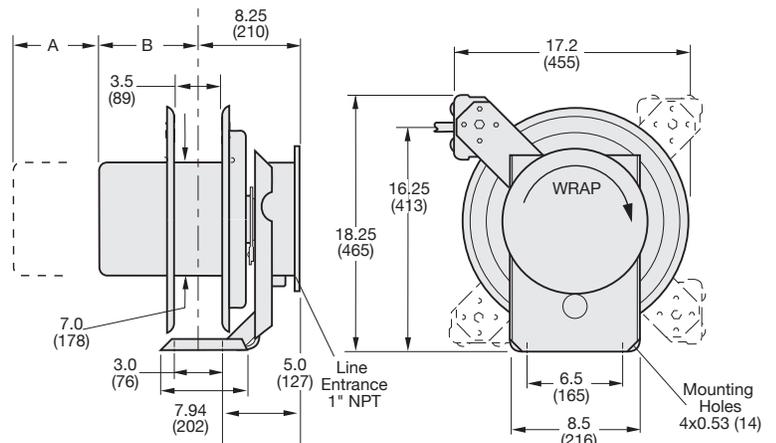
| Dimensions A & B Slip Ring Enclosure - C14 Reels | | | |
|---|-------------------|------------|------------|
| Wire Size Code* | Slip Ring Poles** | A | B |
| A, B, C, D | 1-4 | 4.50 (114) | 5.69 (145) |
| A, B, C, D | 5-8 | 6.00 (152) | 7.19 (183) |
| A, B, C, D | 9-12 | 7.50 (191) | 8.69 (221) |
| E, F | 1-4 | 6.00 (152) | 7.19 (183) |

| Reel Weight Less Cable | |
|---------------------------|-----------------|
| Reel Model | Weight lbs (kg) |
| C14-A | 40 (19) |
| C14-B | 42 (19) |
| C14-C | 47 (21) |
| Ex. C14-A03-C 1103 | |



| Dimensions A & B Slip Ring Enclosure - C16 Reels | | | |
|---|-------------------|------------|------------|
| Wire Size Code* | Slip Ring Poles** | A | B |
| A, B, C, D | 1-4 | 4.50 (114) | 5.94 (151) |
| A, B, C, D | 5-8 | 6.00 (152) | 7.44 (189) |
| A, B, C, D | 9-12 | 7.50 (191) | 8.94 (227) |
| E, F | 1-4 | 6.00 (152) | 7.44 (189) |

| Reel Weight Less Cable | |
|---------------------------|-----------------|
| Reel Model | Weight lbs (kg) |
| C16-D | 78 (35) |
| C16-E | 59 (27) |
| C16-G | 65 (29) |
| C16-H | 66 (31) |
| C16-J | 75 (34) |
| C16-K | 75 (34) |
| Ex. C16-A03-J 1105 | |

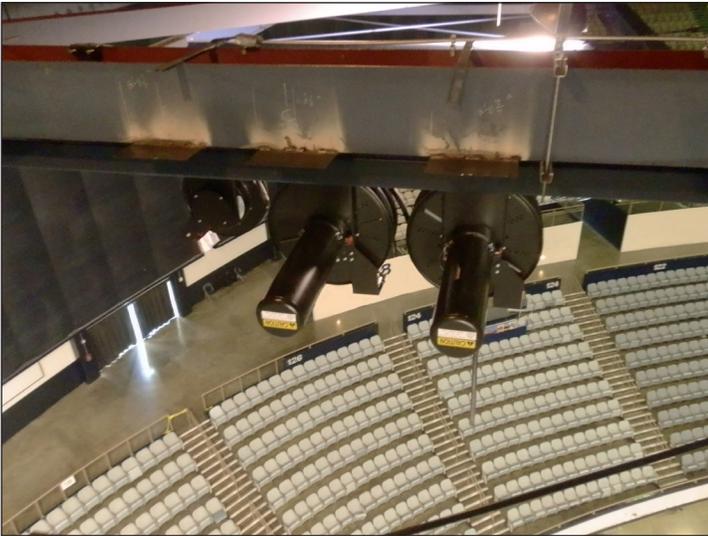
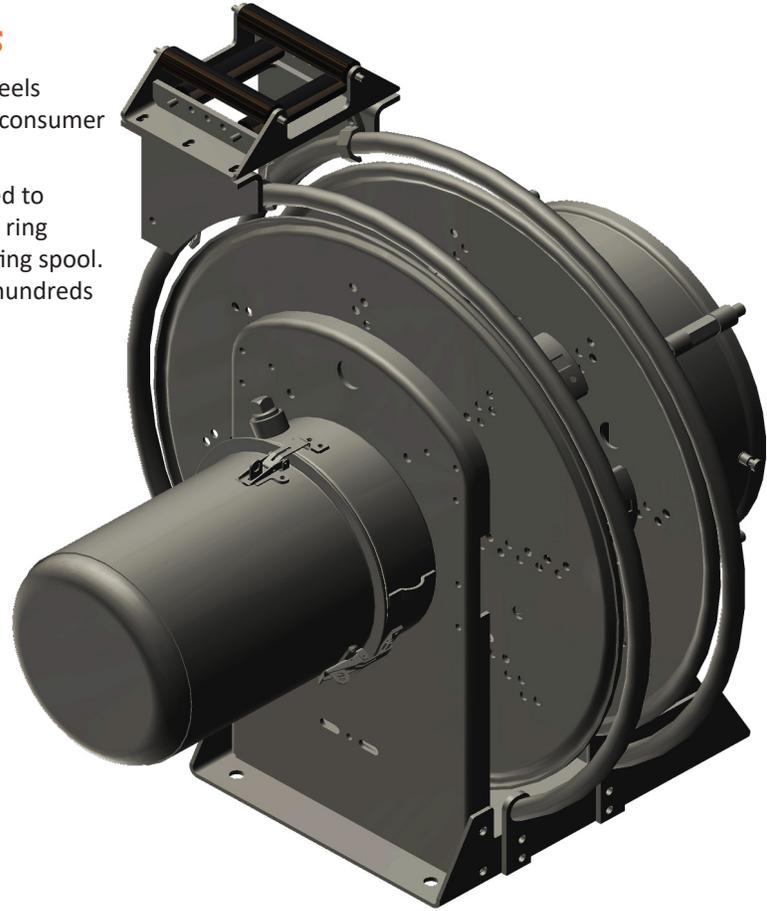


Cable Reels

Series 'S' Spring-Driven Cable Reels

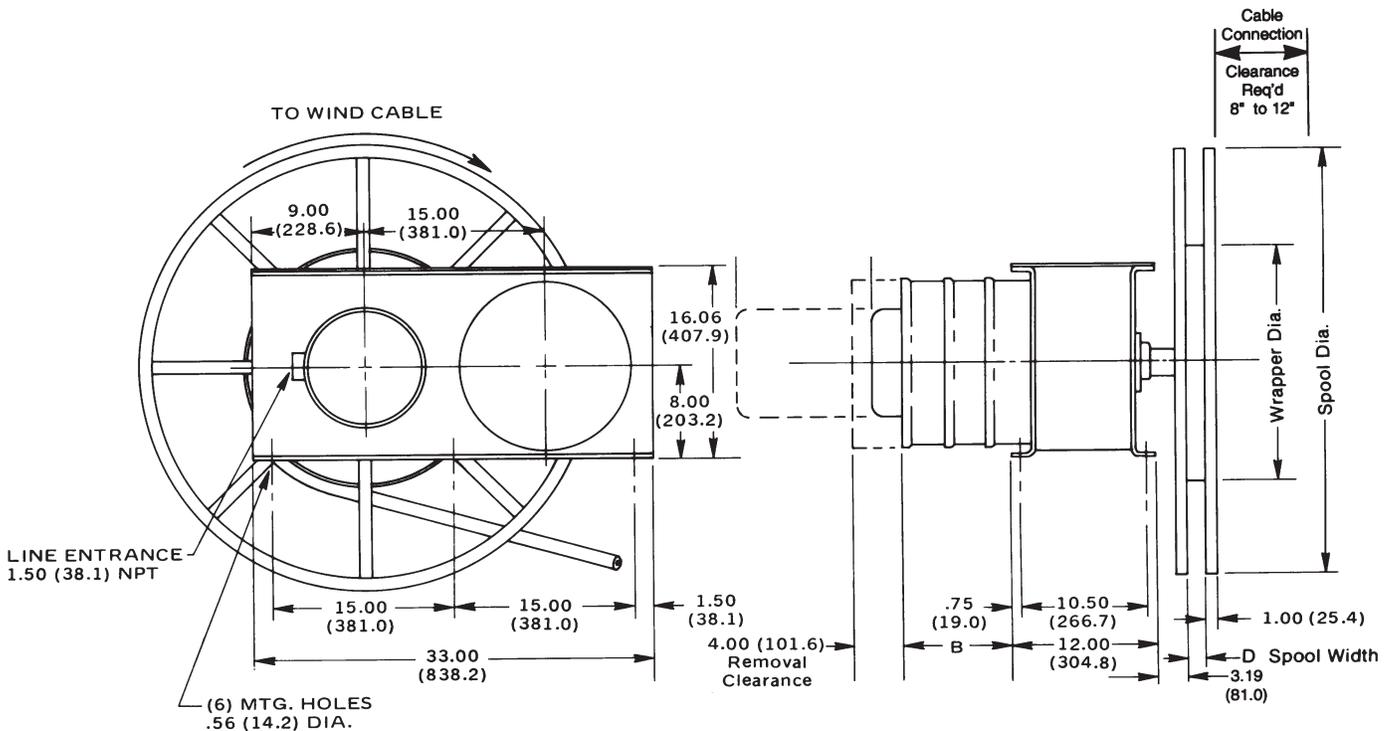
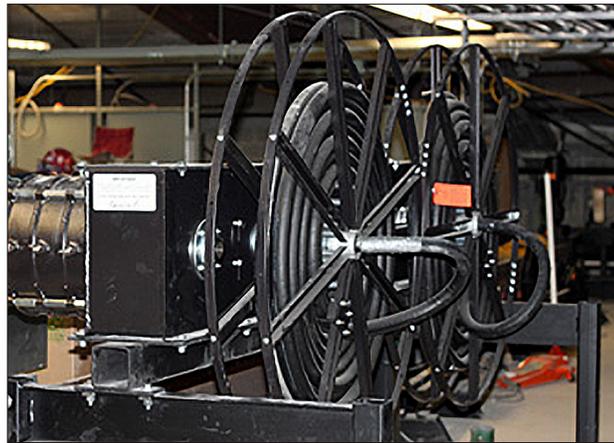
Ideal for use in the theatre industry, S' Spring-Driven Electric Cable Reels allows electric current to flow from the power source to the current consumer through the cable specified.

Gleason Series "S" reels are spring driven electric cable reels designed to be mounted on moving machinery. S- Reels utilize self-contained slip ring assemblies which transfer current to the cable mounted on the rotating spool. Models for longer travels are fitted with gear assemblies to provide hundreds of application possibilities.



Series 'SHO' Monospiral Reels

Monospiral cable reels are designed to stack cable in a single, multiple-layer vertical configuration. SHO Series Reels are designed to provide a low cost solution for long electrical cable travel. In the SHO series reels, winding torque is provided by one or more parallel design spring motors. Gleason SHO Reels have retrieve capacities of 350 feet of electric cable at a velocity of 150 ft./min and acceleration of 1.0 ft./sec.



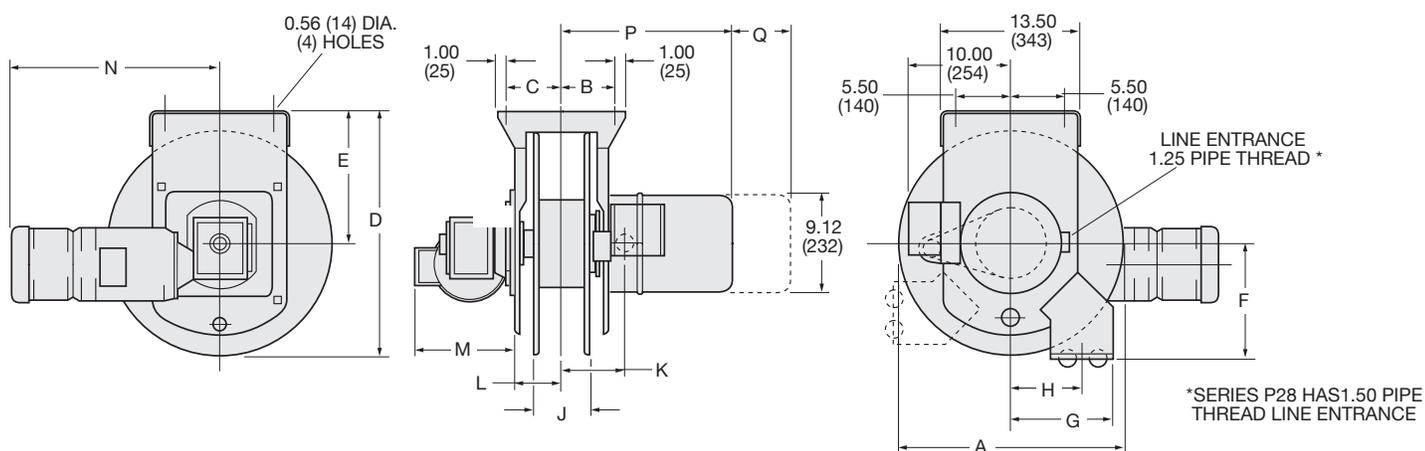
Motor Reels

Motor Driven Reels

The entertainment industry is a fast paced environment with equipment in indoor and outdoor environments. Gleason Motor-Driven Reels are weatherproof and dust-tight to withstand some of the harsher environmental applications. Users can wind and store up to 120 ft. of cable with the average retrieval speed of 30 to 135 fpm (40.5 mpm) with a reversible 1800 RPM, 230-460 VAC drive motor. The motor driven reel automatically raises and lowers push-button stations for floor controlled cranes and hoists. The welded steel frame adds durability while the electro-magnetic brake holds cable in place when motor is de-energized for added safety. Limit Switches control maximum up and down stops. This versatile reel has cable capacities ranging from 2-36 conductor cables, No. 16 through No. 10 AWG wire size.

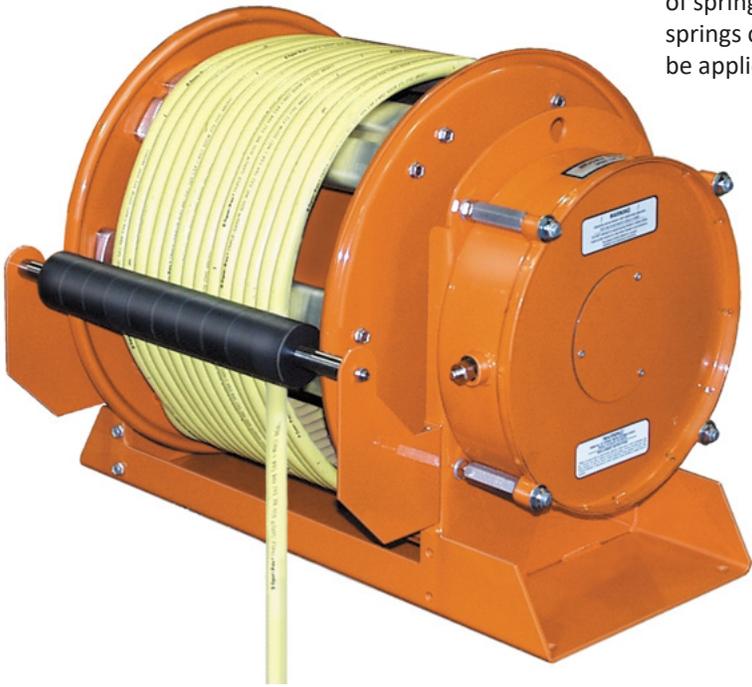


| MODEL | A | B | C | D | E | F | G | H | J | K | L |
|-------|-------------|------------|------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|
| P14 | 14.00 (356) | 4.75 (121) | 4.75 (121) | 16.50 (419) | 9.00 (229) | 7.75 (197) | 9.50 (241) | 6.50 (165) | 4.25 (108) | 5.25 (133) | 4.12 (105) |
| P15 | 16.00 (406) | 5.25 (133) | 5.25 (133) | 18.50 (470) | 10.00 (254) | 11.25 (286) | 9.50 (241) | 6.50 (165) | 5.25 (133) | 5.75 (146) | 4.62 (118) |
| P18 | 18.00 (457) | 5.25 (133) | 5.25 (133) | 20.00 (508) | 11.00 (279) | 11.25 (286) | 9.50 (241) | 6.50 (165) | 5.25 (133) | 5.75 (146) | 4.62 (118) |
| P21 | 21.00 (533) | 5.25 (133) | 5.25 (133) | 23.00 (584) | 12.50 (318) | 11.25 (286) | 9.50 (241) | 6.50 (165) | 5.25 (133) | 5.75 (146) | 4.62 (118) |
| P24 | 24.00 (610) | 5.25 (133) | 8.75 (222) | 26.00 (660) | 14.00 (356) | 12.75 (324) | 10.12 (257) | 7.12 (181) | 5.25 (133) | 5.75 (146) | 4.62 (118) |
| P28 | 28.00 (711) | 6.25 (159) | 9.75 (248) | 30.00 (762) | 16.00 (406) | 15.50 (394) | 11.25 (286) | 8.25 (210) | 7.25 (184) | 6.75 (172) | 5.62 (143) |

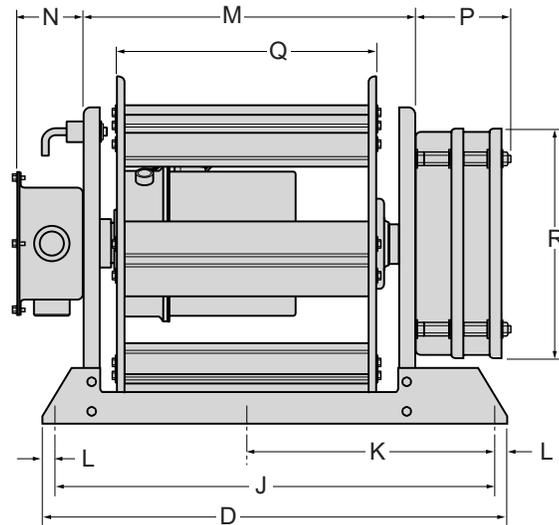
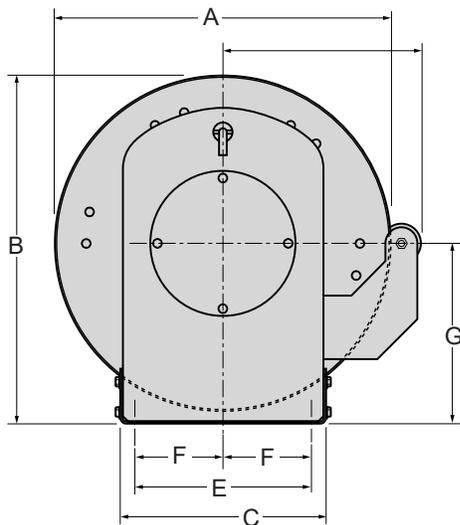


Level-Wind Low-Profile Reels

When limited or tight spaces are areas of concerns, the Level Wind Low-Profile Reels offers the right solution. These fit in smaller spaces than standard profile reels while handling the same sizes and lengths. The level wind roller eliminates cable “pile-up” on the spool while the parallel spring design provides greater application flexibility. Winding tension is tailored to each need by increasing or decreasing number of springs and by easy spring adjustments. The externally mounted springs can be easily adjusted or replaced. Motor and drive can also be applied instead of springs.



| A | B | C | D | E | F | G | H | J | K | L | M | N | P | Q | R |
|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-----|-------|------|------|-------|-------|
| 21.00 | 21.75 | 12.86 | 29.00 | 11.00 | 5.50 | 11.25 | 12.38 | 27.50 | 15.53 | .75 | 20.72 | 4.00 | 5.98 | 16.00 | 14.34 |



TYPICAL DIMENSIONS - Reel to handle 60' of #10/4 conductor cable, hook/rotate application.

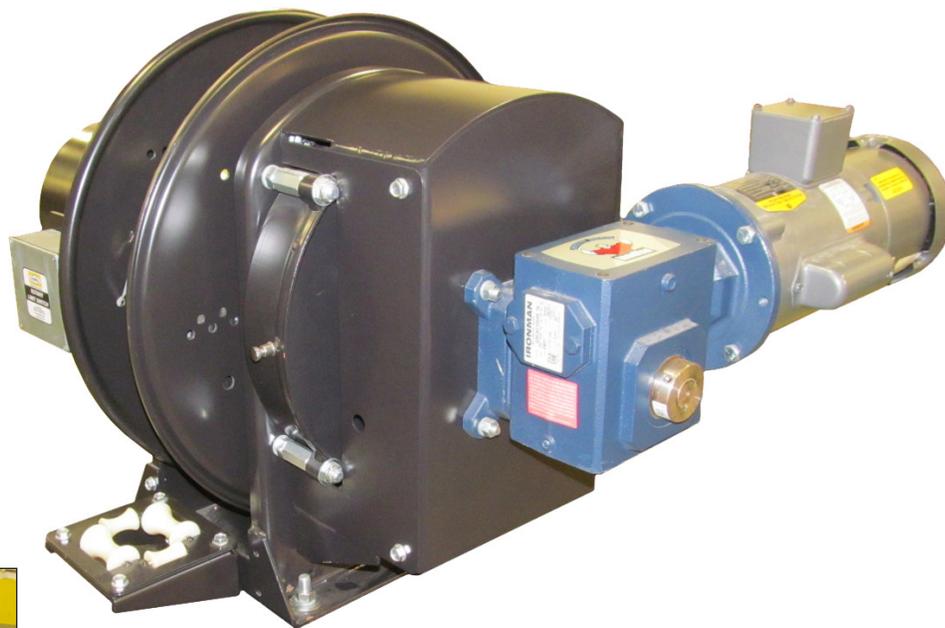
Entertainment Industry Products

Combination Reels

Series 'CR' Combination Reels

Gleason Series 'CR' Reels are designed for use when the desire to disconnect the flexible cable from the Batten or other moving source and re-connect to another Batten or moving source without the use of VFD Motor Control or additional Control from the automated rigging system.

These Reels are equipped to provide spring operation during normal operation; and motorized override for payout, retrieval or batten change operation. Based on the popular 'S' Reel frame, this reel is capable of handling, Power, Control, DMX, Ethernet or other requirements at the fraction of the cost of VFD Motor and Control.



Hubbell Limit Switches add more control of maximum up and down stops.

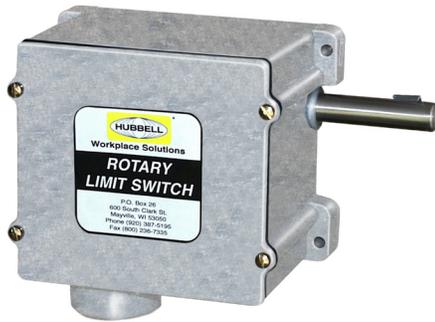
Series 54 and 55 Rotary Limit Switches

Rotary Limit Switches limit the travel of electrically operated doors, conveyors, hoists and similar devices. Equipment having rotating mechanisms, or linear motion which can be translated into rotational motion, can be controlled by these versatile switches. The limit switch controls how much cord is reeled out. This is useful with suspended scenery.

The Gleason Limit Switches are available in a right hand or left hand or dual shaft models. The rugged die cast enclosures are NEMA 4X making them ideal for outdoor weather conditions. With Gleason Limit Switches, safety to people and equipment is always a priority.



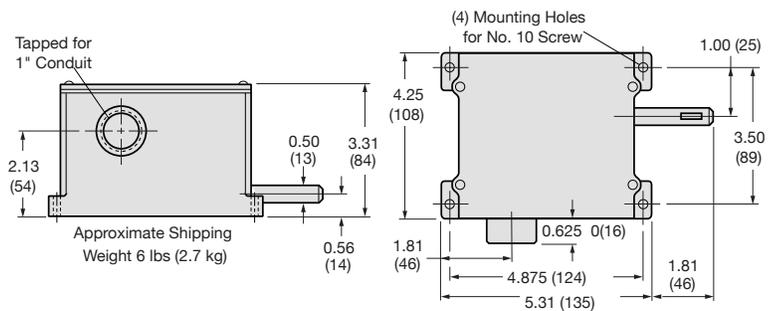
Series 54



Ordering Information

| Series 54 Standard Cams | NEMA 1 & 12 | NEMA 4 |
|-------------------------------------|-------------|-----------|
| 18:1, 2 Blocks, 2 NO 2 NC Circuits | 54BB23FE* | 54BB23EE* |
| 18:1, 3 Blocks, 3 NO 3 NC Circuits | 54BB33FE* | 54BB33EE* |
| 36:1, 2 Blocks, 2 NO 2 NC Circuits | 54BB43FB* | 54BB43EB* |
| 36:1, 3 Blocks, 3 NO 3 NC Circuits | 54BB43FB* | 54BB43EB* |
| 72:1, 2 Blocks, 3 NO 3 NC Circuits | 54BB43FC* | 54BB43EC* |
| 72:1, 3 Blocks, 2 NO 2 NC Circuits | 54BB43FC* | 54BB43EC* |
| 108:1, 2 Blocks, 2 NO 2 NC Circuits | 54BB43FD* | 54BB43ED* |
| 108:1, 3 Blocks, 3 NO 3 NC Circuits | 54BB43FD* | 54BB43ED* |

*Catalog numbers are for RIGHT HAND SHAFT. For left hand shaft add "L" to catalog number.



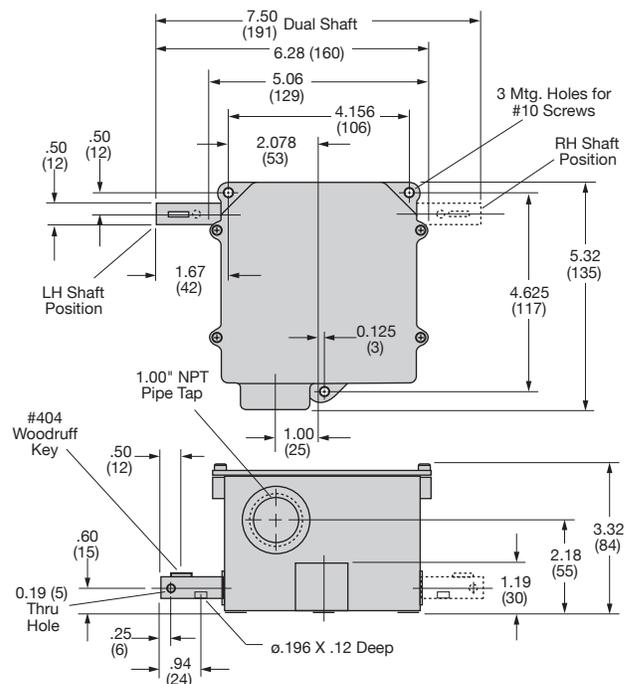
Series 55



Ordering Information

| Series 54 Standard Cams | NEMA 1 & 12 | NEMA 4 |
|-------------------------------------|-------------|-----------|
| 18:1, 2 Blocks, 2 NO 2 NC Circuits | 54BB23FE* | 54BB23EE* |
| 18:1, 3 Blocks, 3 NO 3 NC Circuits | 54BB33FE* | 54BB33EE* |
| 36:1, 2 Blocks, 2 NO 2 NC Circuits | 54BB43FB* | 54BB43EB* |
| 36:1, 3 Blocks, 3 NO 3 NC Circuits | 54BB43FB* | 54BB43EB* |
| 72:1, 2 Blocks, 3 NO 3 NC Circuits | 54BB43FC* | 54BB43EC* |
| 72:1, 3 Blocks, 2 NO 2 NC Circuits | 54BB43FC* | 54BB43EC* |
| 108:1, 2 Blocks, 2 NO 2 NC Circuits | 54BB43FD* | 54BB43ED* |
| 108:1, 3 Blocks, 3 NO 3 NC Circuits | 54BB43FD* | 54BB43ED* |

*Catalog numbers are for RIGHT HAND SHAFT. For left hand shaft add "L" to catalog number.



Hubbell Locking® Devices

Since 1929, when Harvey Hubbell obtained the first patents on Twist-Lock® devices and introduced them to the market, they have been the standard for the Entertainment Industry. Today, Hubbell Insulgrip® Twist-Lock Devices continue to set the standard against which all quality industrial wiring devices are measured. With a single piece dust shield, tough nylon housing, visible identification and a roomy wiring chamber, these devices offer the most powerful cord grip in the industry.

Hubbell's innovative Twist-Lock® Tester is an exclusive patented design that easily tests the circuit condition of receptacles and connectors without the need for traditional measurement techniques.

Insul-Lock devoces are ideal for use with LED lighting and other applications including multiple screen video walls. The rear of the connector is black to blend in when used in visible areas.

Twist-Lock Plugs and Connectors



| NEMA Rating Color Coded by | | NEMA Code # | Poles/ Wires | AC HP Rating | Plug | | Connector Body | | |
|-------------------------------|-----------------|----------------|-----------------|-----------------|-------------|------------|----------------|------------|-----------|
| Amps | Voltage | | | | Black/White | All Black | Black/White | All Black | |
| 15 | 125V | L5-15 | 2P/ 3W | 0.5 | HBL4720C | HBL4720CBK | HBL4729C | HBL4729CBK | |
| | 250V | L6-15 | | 1.5 | HBL4570C | | HBL4579C | | |
| 20 | 125V | L5-20 | | 1 | HBL2311 | HBL2311BK | HBL2313 | HBL2313BK | |
| | 250V | L6-20 | | 2 | HBL2321 | HBL2321BK | HBL2323 | HBL2313BK | |
| | 480V AC | L8-20 | | 3 | HBL2341 | | HBL2343 | | |
| 30 | 125V | L5-30 | | 2 | HBL2611 | HBL2611BK | HBL2613 | HBL2613BK | |
| | 250V | L6-30 | | 2 | HBL2621 | HBL2621BK | HBL2623 | HBL2623BK | |
| | 480V AC | L8-30 | | 5 | HBL2641 | | HBL2643 | | |
| 20 | 125/250V | L14-20 | | 3P/ 4W | 2 (1) | HBL2411 | HBL2411BK | HBL2413 | HBL2413BK |
| | 3Ø 250V AC | L15-20 | | | 3 | HBL2421 | | HBL2423 | |
| | 3Ø 480V AC | L16-20 | | | 5 | HBL2431 | | HBL2433 | |
| 30 | 125/250V | L14-30 | | | 2 | HBL2711 | HBL2711BK | HBL2713 | HBL2713BK |
| | 3Ø 250V AC | L15-30 | 3 | | HBL2721 | | HBL2723 | | |
| | 3Ø 480V AC | L16-30 | 10 | | HBL2731 | | HBL2733 | | |
| 20 | 3ØY 120/208V AC | L21-20 | 4P/ 5W | | 2 | HBL2511 | HBL2511BK | HBL2513 | HBL2513BK |
| | 3ØY 277/480V AC | L22-20 | | | 5 | HBL2521 | | HBL2523 | |
| 30 | 3ØY 120/208V AC | L21-30 | | | 3 | HBL2811 | HBL2811BK | HBL2813 | HBL2813BK |
| | 3ØY 277/480V AC | L22-30 | | | 10 | HBL2821 | | HBL2823 | |

Miniature 25 Amp Power Connections



Inline Connectors

| Amps | Style | Color | Catalog Number |
|--------|-----------|-------|----------------|
| 25 Amp | Power In | Blue | HBLCPIBL |
| 25 Amp | Power Out | Gray | HBLCPGY |



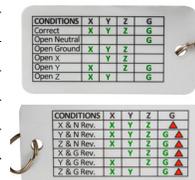
Panel Mounts

| Amps | Style | Color | Catalog Number |
|--------|-------------------|-------|----------------|
| 25 Amp | Power In | Blue | HBLPMIBL |
| 25 Amp | Power in Divided | Blue | HBLPMIDBL |
| 25 Amp | Power Out | Gray | HBLPMOGY |
| 25 Amp | Power Out Divided | Gray | HBLPMODGY |

Twist-Lock® Circuit Testers



| Description | Rating | 20 Amp | 30 Amp |
|----------------|--|------------|------------|
| 3-Phase Tester | 3Ø 120/208V AC Min. Voltage: 90V AC | HBL3PT2511 | HBL3PT2811 |
| Circuit Tester | 125V | HBLT2311 | HBLT2611 |
| | 250V | HBLT2321 | HBLT2621 |
| | 277V | HBLT2331 | |
| | 125/250V | HBLT2411 | HBLT2711 |
| | 347V | HBLT3721 | |



Flat Cable Cord Clamp Devices





Entertainment Industry Products Cable Carriers

PowerTrak® Cable Carriers

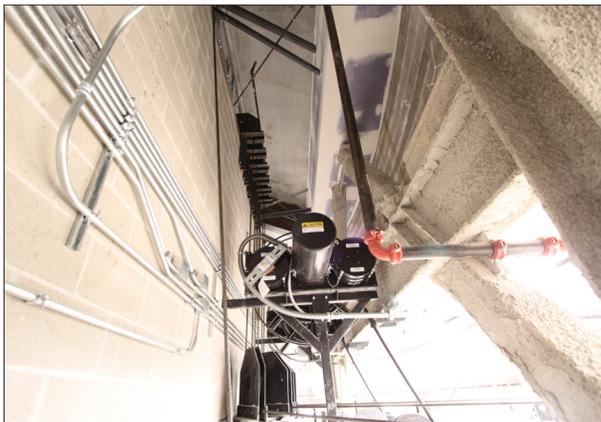
Protect your cable and hoses with our GRP Non-metallic Cable Carriers. Tough molded nylon links easily snap together to form exact length required. Sizes for cable or hoses to 1.676 inch diameter; cable hose bundle to 4.05 inches wide. Available in standard, flip-top and fully enclosed styles. Group cables and hoses with an optional snap-in separator.

Other styles and sizes of Cable Carriers are available. Visit our web site for more information.



Ordering Information

| Max. Height Largest O.D. Hose/Cable in. (mm) | Max. Width Hose/Cable Bundle in. (mm) | Basic Kit 3 Ft. Travel (With brackets) |
|--|---------------------------------------|--|
| 0.286 (7) | 0.531 (13) | P10-1-1.4-3.0 |
| 0.286 (7) | 0.900 (23) | P10-2-1.4-3.0 |
| 0.382 (9) | 0.900 (23) | P10-2-1.9-3.0 |
| 0.410 (10) | 1.350 (34) | P13-1-2.0-3.0 |
| 0.740 (19) | 1.350 (34) | P13-1-3.7-3.0 |
| 0.410 (10) | 2.052 (52) | P13-2-2.0-3.0 |



Gleason® -- OVER 100 YEARS OF EXPERIENCE!



Gleason Reel Corp.

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www.hubbell.com/gleasonreel/en



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