Since 1911, Gleason Reel Corp. has been in the business of CABLE MANAGEMENT. Our products are designed to convey and protect valuable cables and hoses that power and control moving machines of all types. They improve productivity and safety on the job by moving cables and hoses away from hazardous locations on machinery or the shop floor into a controlled environment. Whether you choose Reels for efficient storage and payout from virtually any angle, Festoon Systems for overhead applications or PowerTrak® for protection on machinery in motion, your cables and/or hoses will last longer and provide better service with a cable management system from Gleason Reel Corp. …The Cable & Hose Management Company!

Bulletin “CR”
Heavy Duty
Spring Driven
Electric Cable Reels
General Industrial

Bulletin “MR”
Extra Heavy Duty
Spring Driven
Electric Cable Reels
Demanding Service

Bulletin “VMR”
Large Retrieving
Motor Driven
Electric Cable Reels
Heavy Duty Industrial

Bulletin “RET”
Long Travel Length
Motor Driven
Electric Cable Reels
Standard Industrial

Bulletin “PSR”
Lifting & Lowering
Motor Driven
Electric Cable Reels
Push-Button Reels

Cable and Hose Reels
for Emergency Vehicles
Specialty Reels

Bulletin “VMR”
Various Types
Spring Driven
Hose Reels
General Industrial

Bulletin “MR”
Slip Rings
Unitized Design
Low & High Amperage
Low & Medium Voltage

Bulletin “FTG”
Non-Metallic
Cable Chain
For Hose & Cable
Lightweight, Economical

Bulletin “FT”
Rugged Steel
Cable Chain
For Hose & Cable
Standard & Mill Duty

Bulletin “FC”
Rugged Steel
C-Rail Mounted
Festoon Systems
General Industrial

Bulletin “FB”
Heavy Duty
I-Rail Mounted
Festoon Systems
Heavy Duty Industrial

In your area contact:

HUBBELL
A Hubbell Company

Gleason Reel Corp.
P.O. Box 26 • 600 South Clark St.
Mayville, Wisconsin 53050-0026
Phone: 920-387-4120
Fax: 920-387-4189

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Bulletin CR-8

HEAVY DUTY Lift, Stretch and Retrieve Reels
Gleason warrants for a period of twelve (12) months after date of shipment, all goods manufactured by it to be free from defects in material and workmanship. If, within such warranty period, any such goods prove to be defective, to the extent any such goods shall be repaired or, at Gleason’s option, replaced f.o.b. Gleason’s factory, without charge. Gleason’s obligations hereunder shall be confined to such repair or replacement and shall be further conditioned upon the return of the allegedly defective goods to Gleason, f.o.b. its factory.

The foregoing warranty shall not apply to goods not manufactured by Gleason, or to goods which shall have been repaired or altered by others than Gleason so as, in Gleason’s judgement, adversely to affect the same, or which shall have been subject to other than normal care, or storage. With respect to goods furnished but not manufactured by Gleason, the warranty obligations of Gleason shall in all respects conform and be limited to the warranty extended to Gleason by the supplier.

The foregoing warranty is in lieu of all other express or implied warranties (except of title) and of all other obligations of Gleason.

### Table 1: Series “S”

<table>
<thead>
<tr>
<th>Eagle Diameter</th>
<th>Extra Cable at Reel (FT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>4.0</td>
</tr>
<tr>
<td>10</td>
<td>5.0</td>
</tr>
<tr>
<td>12</td>
<td>6.0</td>
</tr>
<tr>
<td>14</td>
<td>7.0</td>
</tr>
<tr>
<td>16</td>
<td>8.0</td>
</tr>
<tr>
<td>18</td>
<td>9.0</td>
</tr>
<tr>
<td>20</td>
<td>10.0</td>
</tr>
<tr>
<td>22</td>
<td>11.0</td>
</tr>
<tr>
<td>24</td>
<td>12.0</td>
</tr>
<tr>
<td>26</td>
<td>13.0</td>
</tr>
<tr>
<td>28</td>
<td>14.0</td>
</tr>
</tbody>
</table>

**EXTRA CABLE AT REEL** for Series “S” reels includes one safety wrap around the drum, cable through the shaft and cable connections to the slip ring leads.

When you have selected a real model, the model number will indicate drum diameter and slip ring assembly code.

### Table 2: Series “WB”

**EXTRA CABLE AT REEL** for Series “WB” reels includes one safety wrap around the active cable drum, inactive cable to compensate for rotation of active drum and cable through the shaft.

**EXAMPLE:** Model WB-60-25 with an active travel of 40.0 ft. would need (40 x 0.23) + 5 feet of cable, rounded up. 40 x 0.23 = 9.2; 9.2 + 5 = 14.2; 14.2 rounded up = 15 feet extra Cable required.

### Table 3: Technical Data—Typical Cable Specifications

<table>
<thead>
<tr>
<th>AWG No.</th>
<th>Dia. (In.)</th>
<th>Weight (lb/ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0.156</td>
<td>0.088</td>
</tr>
<tr>
<td>4</td>
<td>0.105</td>
<td>0.061</td>
</tr>
<tr>
<td>6</td>
<td>0.100</td>
<td>0.067</td>
</tr>
<tr>
<td>8</td>
<td>0.092</td>
<td>0.057</td>
</tr>
</tbody>
</table>

Refer to National Electric Code for ampere ratings and other details.

---

**WARRANTY**

Gleason warrants for a period of twelve (12) months after date of shipment, all goods manufactured by it to be free from defects in material and workmanship. If, within such warranty period, any such goods prove to be defective, to the extent any such goods shall be repaired or, at Gleason’s option, replaced f.o.b. Gleason’s factory, without charge. Gleason’s obligations hereunder shall be confined to such repair or replacement and shall be further conditioned upon Gleason’s receiving written notice of any alleged defect within 10 days after its discovery and, at Gleason’s option, the return of the allegedly defective goods to Gleason, f.o.b. its factory.

The foregoing warranty shall not apply to goods not manufactured by Gleason, or to goods which shall have been repaired or altered by others than Gleason so as, in Gleason’s judgement, adversely to affect the same, or which shall have been subject to other than normal care, or storage. With respect to goods furnished but not manufactured by Gleason, the warranty obligations of Gleason shall in all respects conform and be limited to the warranty extended to Gleason by the supplier.

The foregoing warranty is in lieu of all other express or implied warranties (except of title) and of all other obligations of Gleason.
Cable Length
Don’t Cut Yourself Short!

CALCULATIONS FOR ORDERING OR CUTTING

Cable Length = 1 + 2 + 3

1. EXTRA CABLE AT REEL, shown in TABLE 1 or TABLE 2 on the facing page, is REQUIRED for internal connections and one safety wrap. The safety wrap is wound onto the reel.

2. ACTIVE CABLE is the amount of cable you will require to cover the Active Travel distance. THIS CABLE IS WOUND ONTO THE REEL. See “Selecting”.

3. OVERHANG means any extra cable you require beyond Active Travel. THIS CABLE MUST NOT BE WOUND ONTO THE REEL. The reel is not designed to wind or lift the weight of this extra cable.

EXPERIENCES

Lift
A reel is needed for lifting 10C #14 cable. Active Travel is 40.0 ft. Lift Selection Chart shows Model No. S16801-103-9.1.

1. Refer to Table 1 (right). Plotting a 9-inch diameter drum and slip ring assembly 103 specifies that this reel requires five extra feet of cable at the reel.
2. Active Cable is equal to the 40.0 ft. of Active Travel.
3. No overhang is required.

Therefore: Cut 45 FT.

NOTE: If reel and cable will be required to lift (support) and weight of any kind, this must be considered. Consult factory.

Stretch
A reel is needed for stretching 10C #14 cable in one direction. Active Travel is 40.0 ft. Stretch Selection Chart shows Model No. S16801-103-9.1.

1. Refer to Table 1 (right). Plotting a 9-inch diameter drum and slip ring assembly 103 specifies that this reel requires five extra feet of cable at the reel.
2. Because of the 6% sag, Active Cable is greater than the 40.0 ft. of Active Travel.
   - Active Cable = Active Travel x 1.01
   - Active Cable = 40.0 x 1.01
   - Active Cable = 40.4 ft.
3. Overhang of 3.5 ft. is required.

Therefore: Cut 49 FT.

NOTE: Gleason S-Reel springs maintain sag at 6%. For greater sag factors, please consult us.

Retrieve
A reel is needed for retrieving 10C #14 cable. Active Travel is 40.0 ft. and reel is mounted 2.5 ft. above the ground (lift height). Retrieve Selection Chart shows Model No. S16801-103-9.5.

1. Refer to Table 1 (right). Plotting a 9-inch diameter drum and slip ring assembly 103 specifies that this reel requires five extra feet of cable at the reel.
2. Because of the lift height, Active Cable is greater than the 40.0 ft. of Active Travel.
   - Active Travel = 40.0 ft.
   - Lift Height = 2.5 ft.
   - Active Cable = 40.0 + 2.5 = 42.5 ft.
3. Overhang of 3.5 ft. is required.

Therefore: Cut 51 FT.

NOTE: Gleason S-Reel springs in the selection charts figure in a maximum mounting height of 3.0 ft. If the reel is to be mounted higher than 3.0 ft., consult the factory for recommendations.

REMINDER: Cable Length is NEVER equal to Active Travel or Total Travel.

NOTE: IF GLEASON SUPPLIES THE CABLE, correct cable length, rounded up to the nearest foot, is automatically calculated based on your input.

IF YOU ARE CUTTING YOUR OWN CABLE, please follow our calculation method shown on this page.

Series “S” Spring-Driven Electric Cable Reels
Gleason Series “S” reels are spring driven electric cable reels designed to be mounted on moving machinery. Electric current flows from your power source to the current consumer through the cable you specify. 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. Specific application details can be found in this catalog or prepared by our staff for your most exacting requirements.

OPTIONAL SLIP RING ENCLOSURES for hazardous area (Class I and Class II), are available on request.

OPTIONAL ACCESSORIES include roller guide, hoop guides (shown installed on reel at right), rotary limit switch, spool lock, ratchet lock assembly (for hand-pull applications only) and swivel base.

Series “WB” Cable Reels without Slip Rings
For applications such as communication where any variation in impedance must be avoided, choose Gleason Series “WB” continuous contact reels which have no slip rings. 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. This transmission integrity makes WB Reels ideal for use with fiber optic cable.

WB reels are actually two reeling systems in one, winding active and inactive cable separately. The inactive cable compensates for the rotation of the active drum as active cable is paid out and rewound.

ORDERING
To order Gleason Electric Cable Reels, simply contact the Gleason Reel representative in your area.

GLEASON REEL CORP.
Phone: 920-387-4120
Fax: 920-387-4189

S-Reel
WB-Reel
MACHINE MOUNTABLE

Reels in this catalog are intended for mounting on machinery where automatic (unattended) movement is required. Other Gleason cable reels are available for hand pull applications. Please consult us for recommendations.

FULL RANGE OF ACCESSORIES AVAILABLE...

✓ Three-position Roller Guides
✓ 3400 Pivot Base
✓ Spool Lock
✓ Rotary Limit Switch

See “Dimensional Data” for Details

AVAILABLE FOR ALL STANDARD AND MOST SPECIAL REQUIREMENTS

This catalog provides details on sizes, capacities, specifications and designs. If you need additional information, contact your local factory representative. Full support is available upon request.

SIMPLE, POSITIVE CABLE ENTRANCE...

A positive, watertight connector is provided at the shaft where the cable enters the spool area. Cable feeds easily through the hollow shaft for termination within the slip ring enclosure. Connections are required at one point only.

EASILY REMOVABLE SLIP RING ENCLOSURE...

Removes quickly for inspection or service by virtue of the three toggle clamps. An “O” ring seal provides a watertight, dust tight seal suitable for any type of atmosphere.

OPTIONAL ENCLOSURES, designed for hazardous areas (Class I and Class II), are available upon request.

FAST, EASY BRUSH REPLACEMENT...

Gleason’s brush holder assembly features a unique spring design which permits quick brush removal while ensuring full contact throughout the life of the brush.

FIBER OPTICS

Any fiber optic cable of the same approximate O.D. as SO shielded cable listed can be used with Series “WB” reels. Contact your local factory representative for details.
Gleason WB Reels are continuous contact reels ideal for use in applications where slip ring assemblies are not desired. No slip rings or other sliding contacts are used. Rather, a dual spool and pulley system safely and efficiently pays out and rewinds the cable.

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 Reels are also a smart choice for hazardous locations where electrical parts on the reel would require dust tight or explosion-proof protection.

A roller guide is included as standard equipment. A holding dog for window shade-type action can be furnished when required.

FIBER OPTIC CABLE of same approximate O.D. as SO shielded cable listed can be used with Series “WB” reels. Contact your factory representative for details.

WB Reels are selected using the standard process shown in the front of this catalog. Reel models in selection charts based on travel speed of 150 fpm and 4 conductor shielded cable. Stretch reels based on 6% sag. Retrieve reels based on 3 ft lift to center line of reel.

Necessary reeling tensions suggest the use of high quality cable for good service life.

FOR CABLE SIZES NOT LISTED, CONSULT YOUR FACTORY REPRESENTATIVE.

MAXIMUM CABLE O.D. = 0.625"
FREE-WHEELING HUB FOR SPRING MOTOR... Gleason’s unique free-wheeling spring hub design allows for easy cable installation and spring tension adjustment. In addition, it protects the spring motor in the event that the cable is severed.

SAFE, SIMPLE SPRING TENSION ADJUSTMENT... To adjust spring tension, simply remove the inspection cover and adjust with spanner wrench provided. No need to disconnect cable or disassemble reel. The correct number of spring pretension turns is indicated on each reel nameplate.

DESIGNED WITH SAFETY IN MIND... The Safetychange® spring motor is a power spring sealed in a disposable housing, eliminating the need to handle loose springs. Located outboard on the frame, replacement is safe and easy and does NOT require the reel to be removed from its frame. All Safetychange® spring motors are equipped with an inspection hole to visually check the integrity of the spring while reel is in service.

SAFETYCHANGE® SPRINGS ARE INDUSTRY’S FINEST! Gleason uses high-quality spring steel to manufacture these “self-contained” mainsprings. All springs are lifetime lubricated prior to sealing in disposable Safetychange® housings. When used on multi-spring reels, all springs are connected in parallel so that, in the event that one spring fails, the reel is never without tension. This is a significant safety feature.
S32 DIRECT DRIVE

**Dimensional Data & Optional Accessories**

**DIMENSIONS**

- Slip Ring Side
- Spring Side
- Line Entrance 1.50 Pipe Thread
- Diameter 9.75
- Width 9.75
- Depth 4.25
- Clearance 0.75
- (4) Mounting Holes 0.56 Dia.

**SLIP RING HOUSING DIMENSIONS**

- Second Series of Digits in Model Number
- “A” Dimension in Inches
- “C” Dimension in Inches
- D Diameter in Inches
- “B” Dimension in Inches
- Approximate Net Weight of Reel with Spring Motor(s)

**SPRING MOTOR DIMENSIONS**

- MODEL NUMBER
- (4) Mounting Holes 0.56 Dia.

**OPTIONAL ACCESSORIES**

- Vertical Roller Guide Part No. 04045401
- Hoop Guide Assembly Part No. 029712
- Horizontal Roller Guide Part No. 04045401
- Slip Ring
- Rotary Limit Switch Part No. 040449
- Tension Adjustment Wrench Part No. 040449
- Vertical Drum Roller Guide Part No. 04045401
- Spring Motors

**NOTE:** Above illustration includes some of the optional accessories described below.

**SLIP RING HOUSING DIMENSIONS**

- 22 83 220 123 163 203 243 283 323 363
- 14.38
- 14.38
- 14.38
- 14.38
- 14.38
- 14.38

**SPRING MOTOR DIMENSIONS**

- 32801 32802 32803 32804 321001 321002 321003 321004
- 9.50
- 12.88
- 16.25
- 19.62

**SUPERIOR BEARINGS...**

All bearings are self-aligning, sealed and pre-lubricated for long and dependable life.

**PROTECTED GEARING...**

Gears used for reeling longer lengths of cable are protected from dust and moisture by a sealed housing. External grease fitting permits lubrication of gears during service without opening the enclosure. Various gear ratios are available to match specific reeling requirements.

**SEALED GEAR HOUSING...**

Gear driven models include sealed gear housing.

**HOOP GUIDES...**

Optional feature recommended for two-way payout applications.

**If Hoop Guides are used, optional Roller Guides may be found on page 16.**

**NO SWEAT, NO STRAIN GEAR REMOVAL...**

Gleason’s unique design permits gears to be changed without disassembly of major frame components. Simply remove the spring motor and its removable back plate to fully expose gears for fast, easy changeover.
How to Select Reels

Gleason Electric Cable Reels are assembled from several components with a great variety of combinations possible. In order to select the correct reel from the selection charts on the following pages, follow STEPS 1-3 on this page.

STEP 1 Identify Your Cable

Cable is the WHAT in reel selection. WHAT is the size (AWG) and number of conductors? Reel calculations are based on the cable weight per foot, Active Travel and cable O.D. Fill in “Selection Input Required” on the facing page for each reel you order.

STEP 2 Identify Your Application

Application is the HOW in reel selection. From the applications on the facing page, choose the one that resembles the way you are applying the cable in STEP 1 above. There are specific selection charts on the following pages for each application type. Reel calculations are based on HOW you want to handle the cable. Note: Identify any added weight such as extra cable (overhang) or pushbutton stations – Selection charts do NOT consider any added weight.

STEP 3 Select a Reel Model

Applying your input from STEP 1 and STEP 2, the correct reel model number may be found in one of the Selection Charts on the following pages.

EXAMPLE: A reel must lift 40 feet, one way payout, for a total travel 40.0 feet, one way payout – see Fig. 1 below. Active Travel is, therefore, 40 feet. Follow “40 Feet” column down to “14-AWG, 10 Conductor” row. The intersection is the correct reel model – S16801 - 103 - 9 - 1.

For requirements not fully covered in the Selection Charts such as cable sizes, greater Active Travel or greater weight, contact your factory representative. We will be happy to make specific calculations for you.

Definition of terms

- **Active Travel** = The Distance in ONE DIRECTION from reel centerline to full extension of cable; the travel allowed by one full cable extension. See Figures 1 & 2 below.
- **Total Travel** = The TOTAL DISTANCE reel is to service. See Figures 1 & 2 below.
- **Payout** = The ACTION of cable winding off of the reel, in one or two directions. See Figures 1 & 2 below.
- **Cable Length** = The total AMOUNT of cable REQUIRED for connections, unwind/wind, sag (if any) and “extra” lengths you require. See “Cable Length – Don’t Cut Yourself Short” at the back of this catalog.

REMEMBER: Cable Length is NEVER equal to Active Travel or Total Travel!

For requirements not fully covered in the Selection Charts such as cable sizes, greater Active Travel or greater weight, contact your factory representative. We will be happy to make specific calculations for you.

**Definition of terms**

- **Active Travel** = The **Distance in ONE DIRECTION** from reel centerline to full extension of cable; the **travel allowed by one full cable extension**. See Figures 1 & 2 below.
- **Total Travel** = The **TOTAL DISTANCE** reel is to service. See Figures 1 & 2 below.
- **Payout** = The **ACTION** of cable winding off of the reel, in one or two directions. See Figures 1 & 2 below.
- **Cable Length** = The total **AMOUNT** of cable **REQUIRED** for connections, unwind/wind, SAG (if any) and “extra” lengths you require. See “Cable Length – Don’t Cut Yourself Short” at the back of this catalog.

REMEMBER: Cable Length is NEVER equal to Active Travel or Total Travel!
## Reference Documents

**Dimensional Data & Optional Accessories**

<table>
<thead>
<tr>
<th>SLIP RING HOUSING DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A</strong> Dimension-Inches</td>
</tr>
<tr>
<td>16.00</td>
</tr>
<tr>
<td>18.50</td>
</tr>
<tr>
<td>21.00</td>
</tr>
<tr>
<td>23.50</td>
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<tr>
<td>26.00</td>
</tr>
<tr>
<td>28.50</td>
</tr>
<tr>
<td>31.00</td>
</tr>
<tr>
<td>33.50</td>
</tr>
</tbody>
</table>

**SPRING MOTOR DIMENSIONS**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>282821</th>
<th>282822</th>
<th>282823</th>
<th>282824</th>
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<tbody>
<tr>
<td>B&quot; Dimension-inches</td>
<td>8.62</td>
<td>11.25</td>
<td>13.88</td>
<td>16.50</td>
</tr>
<tr>
<td>Approx. Net Weight-lbs.*</td>
<td>165</td>
<td>215</td>
<td>265</td>
<td></td>
</tr>
</tbody>
</table>

* Approximate Net Weight if Steel Motor Housing is Designated

### Common Applications

**HORIZONTAL STRETCH**
- Requires the greatest amount of tension on any application to maintain a minimum sag.
- In this catalog, all reel capacities for horizontal stretch applications are based on a sag of 6%.

**VERTICAL LIFT**
- Refers to any application where the cable is simply hoisted vertically with only the weight of the cable involved.
- Special consideration must be given to any weight added to the end of the cable such as a push button station or overhang (i.e. extra cable).

**RETRIEVE**
- A HORIZONTAL RETRIEVE application is identified when the reel is mounted on the moving equipment and winds and pays-out cable into tray or other support.
- A VERTICAL RETRIEVE application is much the same as a vertical lift except; in this case, the reel is located below rather than above the machine.

### Selection INPUT Required

**TYPE OF APPLICATION**
- LIFT
- STRETCH
- RETRIEVE
- DRAG

**Active Travel**
- Size (AWG) __________ ft.
- No. Cond. __________

**INCLUDE THE FOLLOWING INFORMATION IF IT IS DIFFERENT than the cable data at the back of this catalog for the cable size listed above:**
- O.D. __________
- Weight (lbs/ft) __________

### Model Number Explanation

**SLIP RING AMPACITY CODE**

<table>
<thead>
<tr>
<th>GLEASON CODE</th>
<th>MAX AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>55</td>
</tr>
<tr>
<td>7</td>
<td>75</td>
</tr>
<tr>
<td>12</td>
<td>125</td>
</tr>
<tr>
<td>20</td>
<td>200</td>
</tr>
</tbody>
</table>

For reversing rotation (available for all models), add the letter "R" following Spring Motor Code.

Model No. WB-100-100-60 has two main spring motors.

### Optional Accessories

**VERTICAL ROLLER GUIDE**
- Hoop Guide Assembly (Part No. 012093)
- Slip Ring Assembly (Part No. 012095)
- Dog and Ratchet Assy (Part No. 012096)
- Spring Motors (Part No. 012097)
- Vertical Limit Switch (Part No. 012099)
- Tension Adjustment (Part No. 012092)
- Vertical Down Roller Guide (Part No. 012098)

**HORIZONTAL STRETCH**
- Cable payout, as pictured above, denotes reverse rotation.
- If Hoop Guides are used, optional Roller Guides may be found on page 16.

**DRAG**
- In DRAG applications, the reel is stationary. As the machine moves, cable is pulled off of the reel and "dragged" over the surface. Dragging produces wear on the cable and is NOT a recommended application.
Lift/Drag Reels

**SELECTION CHART**

NOTE: Capacities based on speed of 150 ft./min. and acceleration of .50 ft./sec². Capacities based on cable of average weight and diameter. Refer to page 31.

(See "How to Select Reels" for explanation of Active Travel.)

**NOTE:** Capacities based on speed of 150 ft./min. and acceleration of .50 ft./sec². Capacities based on cable of average weight and diameter. Refer to page 31.

### Vertical Roller Guide

**Part No. 012091**

**Spring Side**

- Adjustment
- Dog and Ratchet
- Spool Lock
- Hoop Guide Assembly

### Slip Ring Housing Dimensions

- **A** Dimension in Inches
- **C** Dimension in Inches
- **D** Diameter in Inches
- Approximate Net Weight of Reel with Spring Motor(s)

<table>
<thead>
<tr>
<th>Model Number</th>
<th><strong>A</strong></th>
<th><strong>C</strong></th>
<th><strong>D</strong></th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>S24801</td>
<td>23</td>
<td>43</td>
<td>123</td>
<td>16.88</td>
</tr>
<tr>
<td>S24802</td>
<td>17</td>
<td>27</td>
<td>37</td>
<td>14.38</td>
</tr>
<tr>
<td>S24803</td>
<td>20</td>
<td>30</td>
<td>47</td>
<td>13.50</td>
</tr>
<tr>
<td>S24804</td>
<td>23</td>
<td>36</td>
<td>54</td>
<td>12.62</td>
</tr>
</tbody>
</table>

### Spring Motor Dimensions

- Spring Side
- Vertical Down
- Horizontal Roller

<table>
<thead>
<tr>
<th>Motor No.</th>
<th><strong>A</strong></th>
<th><strong>C</strong></th>
<th><strong>D</strong></th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>221-1002</td>
<td>190</td>
<td>245</td>
<td>300</td>
<td>4 lbs.</td>
</tr>
<tr>
<td>221-1003</td>
<td>250</td>
<td>300</td>
<td>355</td>
<td>6 lbs.</td>
</tr>
<tr>
<td>221-1004</td>
<td>200</td>
<td>250</td>
<td>300</td>
<td>8 lbs.</td>
</tr>
</tbody>
</table>

### Optional Accessories

- Vertical Roller Guide
- If Hoop Guides are used, optional Roller Guides may be found on page 16.
- Spool Lock
- Dog and Ratchet

---

*Image of page with tables and diagrams.*
### Lift/Drag Reels Continened

**DIMENSIONS**
- **Spring Side**
- **Line Entrance 1.25 Pipe Thread**
- **Spooling Diameter**
- **Mounting Holes**

**SLIP RING HOUSING DIMENSIONS**
- **Model Number**: 80, 90, 100, 110, 120
- **B** Dimension in Inches
- **D** Diameter in Inches

**OPTIONAL ACCESSORIES**
- **Vertical Roller Guide**
- **Hoop Guide Assembly**
- **Dog and Ratchet Assy.**
- **Rotary Limit Switch**
- **Tension Adjustment Wrench**

### FEET OF ACTIVE TRAVEL

<table>
<thead>
<tr>
<th>80</th>
<th>90</th>
<th>100</th>
<th>110</th>
<th>120*</th>
</tr>
</thead>
<tbody>
<tr>
<td>8W</td>
<td>6W</td>
<td>5W</td>
<td>3W</td>
<td>2W</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WIRE SIZE (AWG)**
- **80**: 20, 16, 14, 12, 10, 8, 6, 4, 2
- **90**: 20, 16, 14, 12, 10, 8, 6, 4, 2
- **100**: 20, 16, 14, 12, 10, 8, 6, 4, 2
- **110**: 20, 16, 14, 12, 10, 8, 6, 4, 2
- **120**: 20, 16, 14, 12, 10, 8, 6, 4, 2

**Note**: If Hoop Guides are used, optional Roller Guides may be found on page 16.

**TOWEL MATERIALS**
- **Partial Towel**: 38% Poly, 38% Cotton, 24% Rayon
- **Complete Towel**: 62% Poly, 38% Cotton

**TOWEL USE**
- **Direct Drive**: 22" x 30"<br>**Lift/Drag Reel**: 20" x 26"<br>**Lift/Drag Reel**: 18" x 24"

**CONDITIONS**
- **Direct Drive**: 2W, 3G, 4W, 5G, 6W, 7G, 8W
- **Lift/Drag Reel**: 2W, 3W, 4W, 5W, 6W, 7W, 8W

**COMPLETE DIMENSIONAL DATA**
- Available on the following pages.
- Refer to the first three digits of the model number.

**TRAVEL GREGAR THAN 120 FEET**
- Possible for those wire sizes with a ✔ next to them.
- Consult factory for additional real models.
Stretch Reels

SELECTED CHART

NOTE: Capacities based on 6% sag, speed of 150 ft./min. and acceleration of .75 ft./sec.². Capacities based on table of average weight and diameter. Refer to page 31.

(See "How to Select Reels" for explanation of Active Travel.)

NOTE: All Spring Motors are 1/2 HP. Capacities based on cable of average weight and diameter. Refer to page 22.

NOTE: All Spring Motors are 1/2 HP. Capacities based on cable of average weight and diameter. Refer to page 22.
##Retrieve Reels

###SELECTION CHART

*NOTE: Capacities based on 3 ft. lift to center line of reel, speed of 150 f.l.m., and acceleration of 1.0 ft/sec². Capacities based on cable of average weight and diameter. Refer to page 31.*

###FEET OF ACTIVE TRAVEL

<table>
<thead>
<tr>
<th>Wire Size (AWG)</th>
<th>No. of Cond.</th>
<th>30</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
<th>80</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>S8-351-31-2</td>
<td>S8-351-23-2</td>
<td>S8-351-23-1</td>
<td>S8-351-23-2</td>
<td>S8-351-23-2</td>
<td>S8-351-23-2</td>
<td>S8-351-23-2</td>
</tr>
<tr>
<td></td>
<td>S8-351-31-2</td>
<td>S8-351-23-2</td>
<td>S8-351-23-1</td>
<td>S8-351-23-2</td>
<td>S8-351-23-2</td>
<td>S8-351-23-2</td>
<td>S8-351-23-2</td>
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<tr>
<td></td>
<td>S8-351-31-2</td>
<td>S8-351-23-2</td>
<td>S8-351-23-1</td>
<td>S8-351-23-2</td>
<td>S8-351-23-2</td>
<td>S8-351-23-2</td>
<td>S8-351-23-2</td>
</tr>
<tr>
<td>6</td>
<td>S6-351-31-2</td>
<td>S6-351-23-2</td>
<td>S6-351-23-1</td>
<td>S6-351-23-2</td>
<td>S6-351-23-2</td>
<td>S6-351-23-2</td>
<td>S6-351-23-2</td>
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<tr>
<td></td>
<td>S6-351-31-2</td>
<td>S6-351-23-2</td>
<td>S6-351-23-1</td>
<td>S6-351-23-2</td>
<td>S6-351-23-2</td>
<td>S6-351-23-2</td>
<td>S6-351-23-2</td>
</tr>
<tr>
<td></td>
<td>S6-351-31-2</td>
<td>S6-351-23-2</td>
<td>S6-351-23-1</td>
<td>S6-351-23-2</td>
<td>S6-351-23-2</td>
<td>S6-351-23-2</td>
<td>S6-351-23-2</td>
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<td>4</td>
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<td>S4-351-23-2</td>
<td>S4-351-23-1</td>
<td>S4-351-23-2</td>
<td>S4-351-23-2</td>
<td>S4-351-23-2</td>
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<td>S4-351-31-2</td>
<td>S4-351-23-2</td>
<td>S4-351-23-1</td>
<td>S4-351-23-2</td>
<td>S4-351-23-2</td>
<td>S4-351-23-2</td>
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<tr>
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<td>S4-351-31-2</td>
<td>S4-351-23-2</td>
<td>S4-351-23-1</td>
<td>S4-351-23-2</td>
<td>S4-351-23-2</td>
<td>S4-351-23-2</td>
<td>S4-351-23-2</td>
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<tr>
<td>2</td>
<td>S2-351-31-2</td>
<td>S2-351-23-2</td>
<td>S2-351-23-1</td>
<td>S2-351-23-2</td>
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<td>S2-351-23-2</td>
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<td>S2-351-23-2</td>
<td>S2-351-23-2</td>
<td>S2-351-23-2</td>
</tr>
</tbody>
</table>

###DIMENSIONS

- **Slip Ring Side Line Entrance**: 1.25 Pipe Thread
- **Cable payout, as pictured above, denotes reverse rotation.**

###SLIP RING HOUSING DIMENSIONS

- **A** Dimension-Inches: 15.00, 17.50, 20.00, 22.50, 25.00, 27.50
- **C** Dimension-Inches: 8.50, 11.00, 13.50, 16.00, 19.00, 21.00

###MODEL NUMBER

- **SPRING MOTOR DIMENSIONS**

###OPTIONAL ACCESSORIES

**Vertical Roller Guide**

Part No. 012082

**Hose Guide Assembly**

Part No. 012035

**Spray Lock**

Part No. 012091

**Dog and Ratchet Assy.**

Part No. 012090

**Horizontal Roller Guide**

Part No. 012082

**Slip Ring Assembly**

**Rotary Limit Switch**

Part No. 012092

**Tenaxen Adjustment Wrench**

**Vertical Down Roller Guide**

Part No. 012094

**360° Swivel Base**

Part No. 012077

**NOTE:** (See "How to Select Reels" for explanation of Active Travel.)

**OPTIONAL ACCESSORIES**

- **Pipe Thread**

**Dimensional Data & Optional Accessories**
SPOOLO KELLEMS® CABLE GRIP

CABLE STOPS

S14351 S14601 S14751

PART NUMBER TYPE
027614 207615

PART NUMBER FITS O.D.s MIN – MAX
027614 027615

PART NUMBER TYPE
027614 027615

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Type</th>
<th>Fits O.D.s</th>
<th>Min – Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>027614</td>
<td>B</td>
<td>0.41 – 0.52</td>
<td>0.75 – 1.25</td>
</tr>
<tr>
<td>027615</td>
<td>A</td>
<td>0.50 – 0.74</td>
<td>0.75 – 1.25</td>
</tr>
<tr>
<td>027616</td>
<td>A</td>
<td>0.75 – 0.99</td>
<td>1.00 – 1.24</td>
</tr>
<tr>
<td>027617</td>
<td>B</td>
<td>1.25 – 1.49</td>
<td></td>
</tr>
</tbody>
</table>

3.50’ O.D.

340° PIVOT BASE

Type A

300° O.D.

DIMENSIONS

SLIP RING HOUSING DIMENSIONS

Second Series of Digits in Model Number

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>33</td>
<td>27</td>
</tr>
</tbody>
</table>

“D” Diameter in Inches

| 6.60 | 6.60 | 7.12 |

SPOOLO all models...P/N 012091

DOG & RATCHET S14–S28...P/N 012090 S32 only...P/N 039887

LIMIT SWITCH S14–S28...P/N 012092 S32 only....P/N 040449

340° Series Guide

Part No. 012079

300 lbs.

90 lbs.

95 lbs.

Horizontal Roller Guide Part No. 012078

Dog and Ratchet Assy Part No. 012080

Rotary Limit Switch Part No. 012092

Tension Adjustment Wrench

Vertical Down Roller Guide Part No. 012084

340° Series Guide

Part No. 012056

PART NUMBER TYPE

075329 37534 B 2.44 – 2.62

075330 37534 A 2.30 – 2.50

075331 37534 A 0.62 – 0.75

075332 37534 A 0.75 – 1.05

075333 37534 A 1.06 – 1.30

075334 37534 B 0.75 – 1.05

075335 37534 B 1.06 – 1.36

075336 37534 B 1.36 – 1.65

340° Series Guide

Part No. 012079

300 lbs.

90 lbs.

95 lbs.

Horizontal Roller Guide Part No. 012078

Dog and Ratchet Assy Part No. 012080

Rotary Limit Switch Part No. 012092

Tension Adjustment Wrench

Vertical Down Roller Guide Part No. 012084

340° Series Guide

Part No. 012056

PART NUMBER TYPE

075329 37534 B 2.44 – 2.62

075330 37534 A 2.30 – 2.50

075331 37534 A 0.62 – 0.75

075332 37534 A 0.75 – 1.05

075333 37534 A 1.06 – 1.30

075334 37534 B 0.75 – 1.05

075335 37534 B 1.06 – 1.36

075336 37534 B 1.36 – 1.65

340° Series Guide

Part No. 012056

PART NUMBER TYPE

075329 37534 B 2.44 – 2.62

075330 37534 A 2.30 – 2.50

075331 37534 A 0.62 – 0.75

075332 37534 A 0.75 – 1.05

075333 37534 A 1.06 – 1.30

075334 37534 B 0.75 – 1.05

075335 37534 B 1.06 – 1.36

075336 37534 B 1.36 – 1.65

PART NUMBER TYPE

075329 37534 B 2.44 – 2.62

075330 37534 A 2.30 – 2.50

075331 37534 A 0.62 – 0.75

075332 37534 A 0.75 – 1.05

075333 37534 A 1.06 – 1.30

075334 37534 B 0.75 – 1.05

075335 37534 B 1.06 – 1.36

075336 37534 B 1.36 – 1.65

Fits O.D.s MIN – MAX

SPOOLO all models...P/N 012091

DOG & RATCHET S14–S28...P/N 012090 S32 only...P/N 039887

LIMIT SWITCH S14–S28...P/N 012092 S32 only....P/N 040449

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Type</th>
<th>Fits O.D.s</th>
<th>Min – Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>075329</td>
<td>B</td>
<td>2.44 – 2.62</td>
<td></td>
</tr>
<tr>
<td>075330</td>
<td>A</td>
<td>2.30 – 2.50</td>
<td></td>
</tr>
<tr>
<td>075331</td>
<td>A</td>
<td>0.62 – 0.75</td>
<td></td>
</tr>
<tr>
<td>075332</td>
<td>A</td>
<td>0.75 – 1.05</td>
<td></td>
</tr>
<tr>
<td>075333</td>
<td>A</td>
<td>1.06 – 1.30</td>
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</tr>
<tr>
<td>075334</td>
<td>B</td>
<td>0.75 – 1.05</td>
<td></td>
</tr>
<tr>
<td>075335</td>
<td>B</td>
<td>1.06 – 1.36</td>
<td></td>
</tr>
<tr>
<td>075336</td>
<td>B</td>
<td>1.36 – 1.65</td>
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**Optional Accessories**

**ROLLER CABLE GUIDES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Number</th>
<th>Window Opening (inches)</th>
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<tbody>
<tr>
<td>Frame Mounted Horizontal/Vertical Up*–Nylon Rollers**</td>
<td>S14, S16, S21</td>
<td>2.18 x 2.38</td>
</tr>
<tr>
<td>Frame Mounted Horizontal/Vertical Up*–Steel Rollers**</td>
<td>S21, S24</td>
<td>3.18 x 2.25</td>
</tr>
<tr>
<td>Frame Mounted Vertical Down*–Nylon Rollers***</td>
<td>S14, S16, S21</td>
<td>5.00 x 2.25</td>
</tr>
</tbody>
</table>

---

**340° PIVOT BASE**

**KELLEMS® CABLE GRIP**

**CABLE STOPS**

<table>
<thead>
<tr>
<th>Type</th>
<th>Fits O.D.s Min – Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3.00” O.D.</td>
</tr>
</tbody>
</table>

---

**SPOOL LOCK** all models...P/N 012091

**DOG & RATCHET** S14–S28....P/N 012090  
S32 only....P/N 039887

**LIMIT SWITCH** S14–S28....P/N 012092  
S32 only....P/N 040449

---

**S14 DIRECT DRIVE**

**DIMENSIONS**

**SLIP RING HOUSING DIMENSIONS**

<table>
<thead>
<tr>
<th>A” Dimension in Inches</th>
<th>B” Dimension in Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.50</td>
<td>17.00</td>
</tr>
</tbody>
</table>

**SPRING MOTOR DIMENSIONS**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>“B” Diameter in Inches</th>
<th>“D” Diameter in Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>S14351</td>
<td>6.60</td>
<td>7.12</td>
</tr>
<tr>
<td>S14601</td>
<td>10.56</td>
<td>10.56</td>
</tr>
<tr>
<td>S14751</td>
<td>85 lbs.</td>
<td>90 lbs.</td>
</tr>
</tbody>
</table>

**OPTIONAL ACCESSORIES**

---

**Line Entrance 1.25**

**Screw Type**

**85 lbs.**

**90 lbs.**

**95 lbs.**
Cable payout, as pictured above, denotes standard rotation.

### SLIP RING HOUSING DIMENSIONS

<table>
<thead>
<tr>
<th>Second Series of Digits in Model Number</th>
<th>23</th>
<th>33</th>
<th>43</th>
<th>63</th>
<th>83</th>
<th>27</th>
<th>37</th>
<th>47</th>
<th>130</th>
<th>123</th>
<th>143</th>
<th>163</th>
<th>203</th>
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</thead>
<tbody>
<tr>
<td>&quot;A&quot; Dimensions in Inches</td>
<td>15.00</td>
<td>17.50</td>
<td>20.00</td>
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<td>27.50</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&quot;C&quot; Dimensions in Inches</td>
<td>8.50</td>
<td>11.00</td>
<td>13.50</td>
<td>16.00</td>
<td>21.00</td>
<td></td>
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</tr>
</tbody>
</table>

### SPRING MOTOR DIMENSIONS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>S16351</th>
<th>S16601</th>
<th>S16621</th>
<th>S16622</th>
<th>S16751</th>
<th>S16801</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;B&quot; Dimensions in Inches</td>
<td>7.10</td>
<td>7.10</td>
<td>7.62</td>
<td>10.25</td>
<td>7.62</td>
<td>7.62</td>
</tr>
<tr>
<td>Approx. Net Weight of Reel with Spring Motor(s)</td>
<td>95 lbs.</td>
<td>100 lbs.</td>
<td>120 lbs.</td>
<td>170 lbs.</td>
<td>105 lbs.</td>
<td>135 lbs.</td>
</tr>
</tbody>
</table>

### OPTIONAL ACCESSORIES

- **Vertical Roller Guide** (Part No. 012082)
- **Horizontal Roller Guide** (Part No. 012082)
- **Dog and Ratchet Assy.** (Part No. 012090)
- **Spool Lock** (Part No. 012091)
- **Slip Ring Assembly**
- **Rotary Limit Switch** (Part No. 012092)
- **Dog and Ratchet Assy.** (Part No. 012077)
- **Tension Adjustment Wrench**
- **horizontal roller guide**
- **Spool Lock**
- **Vertical Down Roller Guide** (Part No. 012084)
- **Spring Motors**
- **340° Swivel Base** (Part No. 012077)
- **(4) Mounting Holes 0.56 Dia.**
- **Vertical Roller Guide**
- **Dog and Ratchet Assy.**
- **Tension Adjustment Wrench**
- **340° Swivel Base**
- **(4) Mounting Holes 0.56 Dia.**
### Retrieve Reels

**SELECTION CHART**  
Note: Capacities based on 3 ft. lift to center line of reel, speed of 150 ft./min. and acceleration of 1.0 ft/sec². Capacities based on cable of average weight and diameter. Refer to page 34.

#### FEET OF ACTIVE TRAVEL

<table>
<thead>
<tr>
<th>Wire Size (AWG)</th>
<th>No. of Cond.</th>
<th>30</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
<th>80</th>
</tr>
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<tr>
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<td>1</td>
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<td>518-361-143-10-3</td>
<td>518-361-143-10-3</td>
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</tbody>
</table>

#### SLIP RING HOUSING DIMENSIONS

- **A** Dimension-inches
- **B** Dimension-inches
- **C** Diameter in inches

#### OPTIONAL ACCESSORIES

- Vertical Roller Guide
- Dog and Ratchet Assembly
- Spool Lock
- Slip Ring Assembly
- Rotary Limit Switch

**NOTE:** Dimensions are approximate and subject to change. Refer to page 34 for detailed specifications.

---

**S18 DIRECT DRIVE**

**DIMENSIONS**

- **SLIP RING HOUSING DIMENSIONS**
  - **A** Dimension-inches
  - **B** Dimension-inches
  - **C** Diameter in inches
- **MODEL NUMBER**
- **SPRING MOTOR DIMENSIONS**

**OPTIONAL ACCESSORIES**

- Vertical Roller Guide
- Dog and Ratchet Assembly
- Slip Ring Assembly
- Rotary Limit Switch

---

**NOTE:** All dimensions are approximate and subject to change. Refer to page 34 for detailed specifications.
Dimensional Data & Optional Accessories

**Dimensions**

- **SLIP RING HOUSING DIMENSIONS**
  - Second Series of Digits in Model Number
  - A" Dimension-Inches: 15.00, 17.50, 20.00, 22.50, 25.00, 27.50, 30.50
  - C" Dimension-Inches: 8.50, 11.00, 13.50, 16.00, 21.00, 29.00

- **SPRING MOTOR DIMENSIONS CONT'**
  - B' Dimension in Inches: 7.62, 10.25
  - Approximate Net Weight of Reel with Spring Motor(s): 140, 190, 125, 175, 155, 210, 166

**Optional Accessories**

- Vertical Roller Guide
- Hoop Guide Assembly
- Spring Motor Assembly
- Slip Ring Assembly
- Rotary Limit Switch
- Tension Adjustment Wrench
- Vertical Down Roller Guide
- Tension Adjustments
- Dog and Ratchet Assy.
- Speed Lock
- Part No. 012091
- Part No. 012092
- Part No. 012092
- Part No. 012086
- Part No. 012097
- Part No. 012094
- Part No. 012094

**Stretch Reels Continued**

**Complete Dimensional Data** is available on the following pages. Refer to the first three digits of the model number.

*Travels Greater Than 120 Feet Are Possible for those wire sizes with a ✔ next to them. Consult factory for additional real models.*
### Stretch Reels

#### SELECTION CHART

**NOTE:** Capacities based on 6% sag, speed of 150 ft./min. and acceleration of .75 ft./sec². Capacities based on cable of average weight and diameter. Refer to page 31.

(See "How to Select Reels" for explanation of Active Travel.)

<table>
<thead>
<tr>
<th>WHL Size (AWG)</th>
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<th>30</th>
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<td>14-31-751-34-4</td>
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</table>

#### Dimensions

**SLIP RING HOUSING DIMENSIONS**

Second Series of Digits in Model Number

- **A** Dimension in Inches
- **B** Dimension in Inches
- **D** Diameter in Inches

**Approximate Net Weight of Reel with Spring Motor(s)**

<table>
<thead>
<tr>
<th>22</th>
<th>23</th>
<th>24</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.12</td>
<td>10.00</td>
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**MODEL NUMBER**

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<tr>
<th>S21801</th>
<th>S21802</th>
<th>S21803</th>
<th>S21804</th>
<th>S211001</th>
<th>S211002</th>
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<tbody>
<tr>
<td>SPRING MOTOR DIMENSIONS</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>B</strong> Dimension in Inches</td>
<td>12.62</td>
<td>15.25</td>
<td>17.88</td>
<td>20.50</td>
<td>13.50</td>
</tr>
<tr>
<td>Approximate Net Weight</td>
<td>180 lbs.</td>
<td>235 lbs.</td>
<td>290 lbs.</td>
<td>345 lbs.</td>
<td>190 lbs.</td>
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</tbody>
</table>

**OPTIONAL ACCESSORIES**

- **Vertical Roller Guide:** Part No. 012082
- **Hoop Guide Assembly:** Part No. 012095
- **Spool Lock Assy:** Part No. 012091
- **Dog and Ratchet Assy:** Part No. 012090
- **Horizontal Roller Guide:** Part No. 012082
- **Slip Ring Assembly:** Part No. 012082
- **Adjustment Wrench:** Part No. 012082
- **Vertical Down Roller Guide:** Part No. 012084
- **Spring Motors:** Part No. 012082
- **Rotary Limit Switch:** Part No. 012095
- **3/4" Slip Ring Base:** Part No. 012077

**NOTE:** All parts and dimensions are designed for Mounting Hole & Diameter. Refer to page 31.
Lift/Drage Reels

**SELECTION CHART**

NOTE: Capacities based on speed of 150 ft/min. and acceleration of 50 ft/sec². Capacities based on cable of average weight and diameter. Refer to page 31.

(See “How to Select Reels” for explanation of Active Travel.)

<table>
<thead>
<tr>
<th>Wire Size (AWG)</th>
<th>No. of Cond.</th>
<th>30</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
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<tbody>
<tr>
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<td>6</td>
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<td>8</td>
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**FEET OF ACTIVE TRAVEL**

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<th>40</th>
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<th>70</th>
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<td>S18-351-22-17</td>
<td>S24-351-22-20</td>
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<td>S18-351-22-25</td>
<td>S24-351-22-28</td>
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<td></td>
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</tbody>
</table>

**NOTE:** Capacities based on speed of 150 ft/min. and acceleration of 50 ft/sec². Capacities based on cable of average weight and diameter. Refer to page 31.
**SLIP RING HOUSING DIMENSIONS**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>S28621</th>
<th>S28622</th>
<th>S28623</th>
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<tbody>
<tr>
<td>&quot;B&quot; Dimension-inches</td>
<td>8.62</td>
<td>11.25</td>
<td>13.88</td>
</tr>
<tr>
<td>&quot;D&quot; Diameter-inches</td>
<td>14.38</td>
<td>14.38</td>
<td>14.38</td>
</tr>
<tr>
<td>Approx. Net Weight-lbs.*</td>
<td>165</td>
<td>215</td>
<td>265</td>
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</tbody>
</table>

*Approximate Net Weight of Reel with Spring Motor(s) Designated.

**SPRING MOTOR DIMENSIONS CONT**

**Dimensions Data & Optional Accessories**

**Model Number Explanation**

**TYPE OF APPLICATION**

- Lift
- Stretch
- Retrieve
- Drag

If none of the above apply to how the reel will be used, or if extra weight is added at the end of the cable (overhang, push-button station, etc.), please consult your factory representative.

**Common Applications**

**HORIZONTAL STRETCH**

Stretching cable horizontally requires the greatest amount of tension on any application to maintain a minimum sag. In this catalog, all reel capacities for horizontal stretch applications are based on a sag of 6%.

**VERTICAL LIFT**

Vertical Lift refers to any application where the cable is simply hoisted vertically with only the weight of the cable involved. Special consideration must be given to any weight added to the end of the cable such as a push button station or overhang (i.e. extra cable).

**RETRIEVE**

A horizontal retrieve application is identified when the reel is mounted on the moving equipment and winds pays-out cable into tray or other support. A vertical retrieve application is much the same as a vertical lift except, in this case, the reel is located below rather than above the machine. In drag applications, the reel is stationary. As the machine moves, cable is pulled off of the reel and "dragged" over the surface. Dragging produces wear on the cable and is NOT a recommended application.
How to Select Reels

Gleason Electric Cable Reels are assembled from several components with a great variety of combinations possible. In order to select the CORRECT reel from the selection charts on the following pages, follow STEPS 1-3 on this page.

**STEP 1 Identify Your Cable**
Cable is the WHAT in reel selection. WHAT is the size (AWG) and number of conductors? Reel calculations are based on the cable weight per foot, Active Travel and cable O.D. Fill in “Selection Input Required” on the facing page for each reel you order.

**STEP 2 Identify Your Application**
Application is the HOW in reel selection. From the applications on the facing page, choose the one that resembles the way you are applying the cable in STEP 1 above. There are specific selection charts on the following pages for each application type. Reel calculations are based on HOW you want to handle the cable. Note: Identify any added weight such as extra cable (overhang) or pushbutton stations – Selection charts do NOT consider any added weight.

**STEP 3 Select a Reel Model**
Applying your input from STEP 1 and STEP 2, the correct reel model number may be found in one of the Selection Charts on the following pages. Select a Reel Model

#### Definition of terms
- **Active Travel** = The DISTANCE in ONE DIRECTION from reel centerline to full extension of cable; the TRAVEL allowed by one full cable extension. See Figures 1 & 2 below.
- **Total Travel** = The TOTAL DISTANCE reel is to service. See Figures 1 & 2 below.
- **Payout** = The ACTION of cable winding off of the reel, in one or two directions. See Figures 1 & 2 below.
- **Cable Length** = The total AMOUNT of cable REQUIRED for connections, unwind/wind, SAG (if any) and “extra” lengths you require. See “Cable Length—Don’t Cut Yourself Short” at the back of this catalog.

REMEMBER: Cable Length is NEVER equal to Active Travel or Total Travel!

For requirements not fully covered in the Selection Charts such as cable sizes, greater Active Travel or greater weight, contact your factory representative. We will be happy to make specific calculations for you.

### Example: A reel must LIFT (TURN TO LIFT CHART) #14 AWG, 10 conductor cable [FIND “14-AWG, 10 CONDUCTOR” ROW] for a Total Travel 40.0 feet, ONE WAY PAYOUT [FIND “40 FEET” COLUMN DOWN TO “14-AWG, 10 CONDUCTOR” ROW. THE INTERSECTION IS THE CORRECT REEL MODEL – see Fig. 1 below. Active Travel is, therefore, 40 feet allowed by one full cable extension. See Figures 1 & 2 below.

#### Cable Length—Don’t Cut Yourself Short

Cable payout, as pictured above, denotes ONE DIRECTION.

Cable is the DISTANCE from reel centerline to full extension of cable; the TOTAL TRAVEL = ACTIVE TRAVEL x 2.

### Dimensions

#### DIMENSIONS

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<th>Item</th>
<th>Description</th>
<th>Model Number</th>
<th>Dimensions</th>
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<td>Slip Ring Housing</td>
<td>S28801</td>
<td>28.00</td>
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<td>S28802</td>
<td>Slip Ring Housing</td>
<td>S28802</td>
<td>100</td>
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<tr>
<td>S28803</td>
<td>Slip Ring Housing</td>
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<td>10</td>
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<td>S28804</td>
<td>Slip Ring Housing</td>
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<td>S281001</td>
<td>Vertical Roller Guide</td>
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<td>S281002</td>
<td>Vertical Roller Guide</td>
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<td>30</td>
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<td>S281003</td>
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<td>Vertical Roller Guide</td>
<td>S281004</td>
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**NOTE:** Above illustration includes some of the optional accessories described below.

**OPTIONAL ACCESSORIES**

- Vertical Roller Guide
- Spool Lock Assy.
- Dog and Ratchet Assy.
- Spring Motors

If Hoop Guides are used, optional Roller Guides may be found on page 16.

### OPTIONAL ACCESSORIES

- Vertical Roller Guide
- Spool Lock Assy.
- Dog and Ratchet Assy.
- Spring Motors

#### OPTIONAL ACCESSORIES

- Vertical Down Roller Guide
- Spring Motors

#### Optional Accessories

- Vertical Roller Guide
- Spool Lock Assy.
- Dog and Ratchet Assy.
- Spring Motors

If Hoop Guides are used, optional Roller Guides may be found on page 16.
### Direct Drive

#### Dimensional Data & Optional Accessories

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>A Dimension</th>
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<td>012091</td>
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<td>039887</td>
<td>Dog and Ratchet Assy.</td>
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<td>Rotary Limit Switch</td>
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<td>040457</td>
<td>Vertical Drum Roller Guide</td>
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<td>Vertical Roller Guide</td>
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<td></td>
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<td>039712</td>
<td>Hoop Guide Assembly</td>
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<tr>
<td>04045401</td>
<td>Horizontal Roller Guide</td>
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</tr>
<tr>
<td>035887</td>
<td>Spring Motors</td>
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**SLIP RING HOUSING DIMENSIONS**

<table>
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<tr>
<th>Second Digit</th>
<th>Third Digit</th>
<th>Fourth Digit</th>
<th>Fifth Digit</th>
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<tbody>
<tr>
<td>33</td>
<td>23</td>
<td>123</td>
<td>243</td>
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<tr>
<td>47</td>
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<td>272</td>
<td>243</td>
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**SPRING MOTOR DIMENSIONS**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>S32801</th>
<th>S32802</th>
<th>S32803</th>
<th>S32804</th>
<th>S321001</th>
<th>S321002</th>
<th>S321003</th>
<th>S321004</th>
</tr>
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<tbody>
<tr>
<td>Weight</td>
<td>200 lbs.</td>
<td>260 lbs.</td>
<td>320 lbs.</td>
<td>380 lbs.</td>
<td>210 lbs.</td>
<td>275 lbs.</td>
<td>340 lbs.</td>
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</tbody>
</table>

---

**OPTIONAL ACCESSORIES**

If Hoop Guides are used, optional Roller Guides may be found on page 16.

**PROTECTED GEARING...** Gears used for reeling longer lengths of cable are protected from dust and moisture by a sealed housing. External grease fitting permits lubrication of gears during service without opening the enclosure. Various gear ratios are available to match specific reeling requirements.

**SUPERIOR BEARINGS...** All bearings are self-aligning, sealed and pre-lubricated for long and dependable life.

**HOOP GUIDES...** Optional feature recommended for two-way payout applications.

**SEALED GEAR HOUSING...** Gear driven models include sealed gear housing.
FREE-WHEELING HUB FOR SPRING MOTOR…
Gleason’s unique free-wheeling spring hub design allows for easy cable installation and spring tension adjustment. In addition, it protects the spring motor in the event that the cable is severed.

SAFE, SIMPLE SPRING TENSION ADJUSTMENT...
To adjust spring tension, simply remove the inspection cover and adjust with spanner wrench provided. No need to disconnect cable or disassemble reel. The correct number of spring pretension turns is indicated on each reel nameplate.

DESIGNED WITH SAFETY IN MIND...
The Safetychange® spring motor is a power spring sealed in a disposable housing, eliminating the need to handle loose springs. Located outboard on the frame, replacement is safe and easy and does NOT require the reel to be removed from its frame. All Safetychange® spring motors are equipped with an inspection hole to visually check the integrity of the spring while reel is in service.

S32 GEARED DRIVE
Dimensional Data & Optional Accessories

SLIP RING HOUSING DIMENSIONS

<table>
<thead>
<tr>
<th>Second Series of Digits in Model Number</th>
<th>D</th>
<th>E</th>
<th>F</th>
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*NOTE: Above illustration includes some of the optional accessories described below.

SPRING MOTOR DIMENSIONS

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>D Diameter in Inches</th>
<th>E Diameter in Inches</th>
<th>F Diameter in Inches</th>
<th>G Diameter in Inches</th>
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</thead>
<tbody>
<tr>
<td>S32802</td>
<td>14.38</td>
<td>17.88</td>
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<td>25.88</td>
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</tbody>
</table>

Approximate Net Weight of Reel width Spring Motor

- 225 lbs.
- 285 lbs.
- 350 lbs.
- 407 lbs.
- 240 lbs.
- 300 lbs.
- 370 lbs.
- 435 lbs.

OPTIONAL ACCESSORIES

- Vertical Roller Guide
  Part No. 04045401

- Hoop Guide Assembly
  Part No. 039712

- Spool Lock Assy.
  Part No. 023093

- Horizontal Roller Guide
  Part No. 04045401

- Slip Ring Assembly
  Part No. 040449

- Dog and Ratchet Assy.
  Part No. 029837

- 340° Swivel Base
  Part No. 012077

Gleason uses high-quality spring steel to manufacture these “self-contained” main springs. All springs are lifetime lubricated prior to sealing in disposable Safetychange® housings. When used on multi-spring reels, all springs are connected in parallel so that, in the event that one spring fails, the reel is never without tension. This is a significant safety feature.
CONTINUOUS CONTACT
WB REELS

Gleason WB Reels are continuous contact reels ideal for use in applications where slip ring assemblies are not desired. No slip rings or other sliding contacts are used. Rather, a dual spool and pulley system safely and efficiently pays out and rewind the cable.

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 Reels are also a smart choice for hazardous locations where electrical parts on the reel would require dust tight or explosion-proof protection.

A roller guide is included as standard equipment. A holding dog for window shade-type action can be furnished when required.

FIBER OPTIC CABLE of same approximate O.D. as SO shielded cable listed can be used with Series “WB” reels. Contact your factory representative for details.

WB REEL SELECTION CHARTS

Lift Reels

<table>
<thead>
<tr>
<th>WIRE SIZE (AWG)</th>
<th>FEET OF ACTIVE TRAVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>WB-60-25</td>
</tr>
<tr>
<td>16</td>
<td>WB-60-25 WB-60-25</td>
</tr>
<tr>
<td>14</td>
<td>WB-60-25 WB-60-25 WB-75-25</td>
</tr>
</tbody>
</table>

Stretch Reels (6% sag)

<table>
<thead>
<tr>
<th>WIRE SIZE (AWG)</th>
<th>FEET OF ACTIVE TRAVEL</th>
</tr>
</thead>
<tbody>
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<td>18</td>
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<tr>
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</tr>
<tr>
<td>14</td>
<td>WB-60-25 WB-60-25 WB-75-25</td>
</tr>
</tbody>
</table>

Retrieve Reels (3 ft mounting height)

<table>
<thead>
<tr>
<th>WIRE SIZE (AWG)</th>
<th>FEET OF ACTIVE TRAVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
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<tr>
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<tr>
<td>14</td>
<td>WB-60-25 WB-60-25 WB-75-25</td>
</tr>
</tbody>
</table>

SIMPLE, POSITIVE SPOOL LOCK...
Available as an accessory to facilitate cable changing. Permits cable change while reel is in under full tension. When released, reel will rewind entire length of new cable.

RUGGED FRAME BUILT TO LAST...
All-welded steel frame is fabricated from permanent welding fixtures to assure perfect alignment. A time honored Gleason design places major operating components outboard of the frame for ready serviceability. Entire unit is painted with baked polyester for a long-lasting, durable finish.

QUICK, ONE PIECE REMOVAL...
The entire slip ring assembly can be replaced as a unit, if necessary. No need to handle small parts. To remove, simply disconnect wiring and loosen two set screws on the shaft-locking collar.

EVEN WINDING IN MULTIPLE LAYERS...
Edges of steel flanges on cable spool are die-formed to eliminate cable pileup in corners. Segmenting of inner drum permits adjustability to suit various cable diameters – a slight change in cable size may be accommodated by the same reel with only minor field adjustment.
MACHINE MOUNTABLE

Reels in this catalog are intended for mounting on machinery where automatic (unattended) movement is required. Other Gleason cable reels are available for hand pull applications. Please consult us for recommendations.

FULL RANGE OF ACCESSORIES AVAILABLE...

✔ Three-position Roller Guides
✔ 3400 Pivot Base
✔ Spool Lock
✔ Rotary Limit Switch

See “Dimensional Data” for Details

AVAILABLE FOR ALL STANDARD AND MOST SPECIAL REQUIREMENTS

This catalog provides details on sizes, capacities, specifications and designs. If you need additional information, contact your local factory representative. Full support is available upon request.

SIMPLE, POSITIVE CABLE ENTRANCE... A positive, watertight connector is provided at the shaft where the cable enters the spool area. Cable feeds easily through the hollow shaft for termination within the slip ring enclosure. Connections are required at one point only.

EASILY REMOVABLE SLIP RING ENCLOSURE... Removes quickly for inspection or service by virtue of the three toggle clamps. An “O” ring seal provides a watertight, dust-tight seal suitable for any type of atmosphere.

OPTIONAL ENCLOSURES, designed for hazardous areas (Class I and Class II), are available upon request.

FAST, EASY BRUSH REPLACEMENT... Gleason’s brush holder assembly features a unique spring design which permits quick brush removal while ensuring full contact throughout the life of the brush.

FIBER OPTICS

Any fiber optic cable of the same approximate O.D. as SO shielded cable listed can be used with Series “WB” reels. Contact your local factory representative for details.

Dimensional Data

Any fiber optic cable of the same approximate O.D. as SO shielded cable listed can be used with Series “WB” reels. Contact your local factory representative for details.
Cable Length

Don’t Cut Yourself Short!

CALCULATIONS FOR ORDERING OR CUTTING

Cable Length = 1 + 2 + 3

EXTRA CABLE AT REEL, shown in TABLE 1 or TABLE 2 on the facing page, is REQUIRED for internal connections and one safety wrap. The safety wrap is wound onto the reel. ACTIVE CABLE is the amount of cable you will require to cover the Active Travel distance. THIS CABLE IS WOUND ONTO THE REEL. See “Selecting”. OVERHANG means any extra cable you require beyond Active Travel. THIS CABLE MUST NOT BE WOUND ONTO THE REEL. The reel is not designed to wind or lift the weight of this extra cable.

EXAMPLES

Lift
A reel is needed for lifting 10C #14 cable. Active Travel is 40.0 ft. Lift Selection Chart shows Model No. S16801-103 2-1.
1. Lift = 2.1 Active Travel = 40.0 ft. 
2. Lift = 2.2 Lift Height = 2.5 ft.
3. Lift = 2.3 = 0.0 ft.

Therefore: Lift = 45.0 ft.

NOTE: If reel and cable will be lifted, supporting weight of any kind, this must be considered. Consult factory.

Stretch
A reel is needed for stretching 10C #14 cable in one direction. Active Travel is 40.0 ft. Stretch Selection Chart shows Model No. S16801-103 3-1.
1. Stretch = 3.1 Active Travel = 40.0 ft.
2. Stretch = 3.2 Stretch = 3.5 ft.
3. Stretch = 3.3 = 0.0 ft.

Therefore: Stretch = 48.9 ft.

NOTE: Gleason S-Reel springs maintain sag at 6%. For greater sag factors, please consult us.

Retrieve
A reel is needed for retrieving 10C #14 cable. Active Travel is 40.0 ft. and reel is mounted 2.5 ft. above the ground (lift height). Retrieve Selection Chart shows Model No. S16801-103 5-1.
1. Retrieve = 5.1 Active Travel = 40.0 ft.
2. Retrieve = 5.2 Lift Height = 2.5 ft.
3. Retrieve = 5.3 Active Cable = 40.0 ft.

Therefore: Retrieve = 51.0 ft.

NOTE: Gleason S-Reels in the selection charts figure in a maximum mounting height of 3.0 ft. If the reel is to be mounted higher than 3.0 ft., consult the factory for recommendations.

REMINDER: Cable Length is NEVER equal to Active Travel or Total Travel.

NOTE: IF GLEASON SUPPLIES THE CABLE, correct cable length, rounded up to the nearest foot, is automatically calculated based on your input.

IF YOU ARE CUTTING YOUR OWN CABLE, please follow our calculation method shown on this page.

Reels in this catalog are calculated to handle factors and ONLY. If you have any OVERHANG (factor 3), we will be happy to make specific reel model calculations for you.

ORDERING

To order Gleason Electric Cable Reels, simply contact the Gleason Reel representative in your area.

GLEASON REEL CORP.
Phone: 920-387-4120
Fax: 920-387-4189

Gleason® Reel

Spring-Driven ELECTRIC CABLE REELS

In This Catalog...

Series “S” Spring-Driven Electric Cable Reels
Gleason Series “S” reels are spring driven electric cable reels designed to be mounted on moving machinery. Electric current flows from your power source to the current consumer through the cable you specify. 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. Specific application details can be found in this catalog or prepared by our staff for your most exacting requirements.

OPTIONAL SLIP RING ENCLOSURES for hazardous area (Class I and Class II), are available on request.

OPTIONAL ACCESSORIES include roller guide, hoop guides (shown installed on reel at right), rotary limit switch, spool lock, ratchet lock assembly (for hand-pull applications only) and swivel base.

Series “WB” Cable Reels without Slip Rings
For applications such as communication where any variation in impedance must be avoided, choose Gleason Series “WB” continuous contact reels which have no slip rings. 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. This transmission integrity makes WB Reels ideal for use with fiber optic cable.

WB reels are actually two reeling systems in one, winding active and inactive cable separately. The inactive cable compensates for the rotation of the active drum as active cable is payed out and rewound.
ON THE COVER: Typical Gleason Series “S” reel mounted on an overhead crane for heavy duty, high cycle, vertical lift service.

TABLE 1 Series “S”

“EXTRA CABLE AT REEL” for Series “S” reels includes one safety wrap around the drum, cable through the shaft and cable connections to the slip ring leads. The foregoing warranty shall not apply to goods not manufactured by Gleason, or to goods which shall have been repaired or altered by others than Gleason so as, in Gleason’s judgement, adversely affect the same, or which shall have been subject to other than normal care, or storage.

When you have selected a real model, the model number will indicate drum diameter and slip ring assembly code.

Using the lift example from the facing page:

Reel Model No.: S16801 - 103 - 9 - 1

TABLE 2 Series “WB”

EXTRA CABLE AT REEL” for Series “WB” reels includes one safety wrap around the active cable drum, inactive cable to compensate for rotation of active drum and cable through the shaft. EXAMPLE: Model WB-200, 10 AWG, 2470 ft. reel includes (40 x 0.23) + 5 feet of cable, rounded up, 0.23 x 2470 + 5; 5.55 ft. will need (40 x 0.23) + 5 feet of cable, rounded up, 0.23 x 2470 + 5 = 15 feet EXTRA cable required.

WARRANTY

Gleason warrants for a period of twelve (12) months after date of shipment, all goods manufactured by it to be free from defects in material and workmanship. If, within such warranty period, any such goods are proved, to Gleason’s satisfaction, to be defective, such goods shall be repaired or, at Gleason’s option, replaced f.o.b. Gleason’s factory, without charge. Gleason’s obligations hereunder shall be confined to such repair or replacement and shall be further conditioned upon Gleason’s receiving written notice of any alleged defect within 10 days after its discovery and, at Gleason’s option, the return of the allegedly defective goods to Gleason, f.o.b. its factory.

The foregoing warranty shall not apply to goods not manufactured by Gleason, or to goods which shall have been repaired or altered by others than Gleason so as, in Gleason’s judgement, adversely affect the same, or which shall have been subject to other than normal care, or storage. With respect to goods furnished but not manufactured by Gleason, the warranty obligations of Gleason shall in all respects conform and be limited to the warranty extended to Gleason by the supplier.

The foregoing warranty is in lieu of all other express or implied warranties (except as to title) and of all other obligations of Gleason.
Since 1911, Gleason Reel Corp. has been in the business of CABLE MANAGEMENT. Our products are designed to convey and protect valuable cables and hoses that power and control moving machines of all types. They improve productivity and safety on the job by moving cables and hoses away from hazardous locations on machinery or the shop floor into a controlled environment. Whether you choose Reels for efficient storage and payout from virtually any angle, Festoon Systems for overhead applications or PowerTrak® for protection on machinery in motion, your cables and/or hoses will last longer and provide better service with a cable management system from Gleason Reel Corp… ...The Cable & Hose Management Company!

Bulletin “CR”
Heavy Duty
Spring Driven
Electric Cable Reels
General Industrial

Bulletin “MR”
Extra Heavy Duty
Spring Driven
Electric Cable Reels
Demanding Service

Bulletin “VMR”
Large Retrieving
Motor Driven
Electric Cable Reels
Heavy Duty Industrial

Bulletin “RET”
Long Travel Length
Motor Driven
Electric Cable Reels
Standard Industrial

Bulletin “PSR”
Lifting & Lowering
Motor Driven
Electric Cable Reels
Push-Button Reels

Cable and Hose Reels
for Emergency Vehicles
Specialty Reels

Bulletin “VHR”
Various Types
Spring Driven
Hose Reels
General Industrial

Bulletin “HR”
Slip Rings
Unitized Design
Low & High Amperage
Low & Medium Voltage

Bulletin “FTG”
Non-Metallic
Cable Chain
For Hose & Cable
Lightweight, Economical

Bulletin “F1”
Rugged Steel
Cable Chain
For Hose & Cable
Standard & Mill Duty

Bulletin “FC”
C-Rail Mounted
Festoon Systems
General Industrial

Bulletin “FB”
Heavy Duty
I-Rail Mounted
Festoon Systems
Heavy Duty Port Types

Bulletin “HRM”
Various Types
Spring Driven
Hose Reels
General Industrial

Bulletin “MR”
Extra Heavy Duty
Spring Driven
Electric Cable Reels
Demanding Service

Bulletin “VMR”
Large Retrieving
Motor Driven
Electric Cable Reels
Heavy Duty Industrial

Bulletin “RET”
Long Travel Length
Motor Driven
Electric Cable Reels
Standard Industrial

 Bulletin “PTG”
Non-Metallic
Cable Chain
For Hose & Cable
Lightweight, Economical

Bulletin “PT”
Rugged Steel
Cable Chain
For Hose & Cable
Standard & Mill Duty

Bulletin “FC”
Rugged Steel
C-Rail Mounted
Festoon Systems
General Industrial

Bulletin “FB”
Heavy Duty
I-Rail Mounted
Festoon Systems
Heavy Duty Port Types

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Unitized Design
Low & High Amperage
Low & Medium Voltage

In your area contact:

HEAVY DUTY Lift, Stretch and Retrieve Reels

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Bulletin CR-8