Firefighting Reels

reelcraft.com
Reelcraft's engineered products group has the capabilities to custom build to your specifications. Our special engineered products are developed for demanding applications in areas such as marine, military, aviation, hydroseeding, sewer and well cleaning, offshore oil rigs, robotic cable and much more. We offer flexibility, competitive pricing and a lasting commitment to excellence. For more than 20 years, Reelcraft's engineered products group has produced custom products to meet individualized requirements.

Custom Built Reels

Reelcraft’s Capabilities

- **Few size and weight constraints**
  We build to meet any extreme size and weight constraints.

- **Special finishes/paint options**
  Options include CARC paint, marine grade epoxy, liquid enamel coat paint and powder coat paint in any color.

- **Various drive types**
  Manual crank, motorized, spring drive, hand-over-hand and more.

- **Wide range of pressures**
  A wide variety of pressure ranges available from 50 to 6000 PSI and beyond.

- **Unique options**
  Hose Boss rewind assist, tensioning bars, multiple fluid paths, level rewinds and much more.

- **No minimum quantities**
  Order from 1 to as many as you need.

**Firefighting Hose Reels**
Custom engineered and built Series 2400 electric motor rewind hose reel.

**Hose Reels Pivot Brackets**
Bracket is attached to the side of the reel frame. The reel pivots on the bracket with positive stops at 0°, 45° and 90° locations.
## Reelcraft’s Engineered Product Solutions

### Full Flow Design
The goose neck is contoured to match the drum diameter, which allows smooth hose wrapping and unimpeded flow.

### Long Service Life
Swivel incorporates a permanently lubricated ball bearing.

### Adjustable Hose Tension
The brake can be adjusted to suit the application requirements.

### Trouble-Free Rewinding
Chain and sprocket drive ensures smooth and consistent operation.

### Long Service Life
The spool axial is supported by independent self-aligning bearing.

### Free Rotation While Pressurized
The swing joint and spindle allows reel to freely rotate while fluid is pressurized.

### Precise Rigid Construction
Proprietary unitized tie rods are zinc plated offering greater strength and resistance to vibration and corrosion.

### Ultimate Corrosion Resistance
Individually powder coated components insure maximum coverage and resistance to corrosion. Stainless steel fasteners are standard.

### Drive Options Series

<table>
<thead>
<tr>
<th>Drive Options</th>
<th>Series</th>
<th>Head Dia.</th>
<th>Thread Size</th>
<th>Inlet/Outlet Thread</th>
<th>Thread Style</th>
<th>Fluid Path Material</th>
<th>Pressure</th>
<th>Inlet Style</th>
<th>Fluid Path Location/Direction</th>
<th>Color Code</th>
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<tbody>
<tr>
<td>E</td>
<td>1200</td>
<td>19</td>
<td>50</td>
<td>FM</td>
<td>NPT</td>
<td>A Aluminum</td>
<td>LP</td>
<td>1</td>
<td>Straight</td>
<td>R Red</td>
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<tr>
<td>NJ</td>
<td>2400</td>
<td>21</td>
<td>75</td>
<td>1/2 Male/Out</td>
<td>BP</td>
<td>B Ductile Iron</td>
<td>1K</td>
<td>2</td>
<td>Left Hand Top Wind</td>
<td>B Black</td>
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<td>EP</td>
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<td>23</td>
<td>75</td>
<td>3/4 Male/Out</td>
<td>BSPP</td>
<td>D Stainless</td>
<td>3K</td>
<td>5</td>
<td>Left Hand Bottom Wind</td>
<td>W White</td>
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<tr>
<td>EA</td>
<td>3700</td>
<td>25</td>
<td>12</td>
<td>FF Female/Out</td>
<td>BSPP</td>
<td>Stainless</td>
<td>5K</td>
<td>7</td>
<td>Right Hand Top Wind</td>
<td>G Grey</td>
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<tr>
<td>EX</td>
<td>5900</td>
<td>28</td>
<td>15</td>
<td>1 1/4 Female/Out</td>
<td>BP</td>
<td>Stainless</td>
<td>6K</td>
<td>9</td>
<td>Right Hand Bottom Wind</td>
<td>S Silver</td>
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<td>HD</td>
<td>Hydraulic</td>
<td>31</td>
<td>20</td>
<td>2 Male/Out</td>
<td>BP</td>
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<td>8K</td>
<td>12</td>
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<tr>
<td>AF</td>
<td>1 1/2 HP Air</td>
<td>36</td>
<td>25</td>
<td>2 1/4 Male/Out</td>
<td>BSPP</td>
<td>Stainless</td>
<td>10K</td>
<td>14</td>
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<tr>
<td>AR</td>
<td>4 HP Air</td>
<td>39</td>
<td>30</td>
<td>3 Grooved fitting</td>
<td>BSPP</td>
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<td>15K</td>
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<td>BC</td>
<td>Hand Crank</td>
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<td>4 Grooved fitting</td>
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### Material Options/ Drive Size

<table>
<thead>
<tr>
<th>Material Options/ Drive Size</th>
<th>1/2 Pitch Chain</th>
<th>3/8 Pitch Chain</th>
<th>Gear Driven</th>
<th>Alum. Frame/Spool</th>
<th>304 S.S. Frame/Spool</th>
<th>316 S.S. Frame/Spool</th>
<th>Sewer Cleaning Reel</th>
<th>Twin Hose</th>
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<tr>
<td>1200</td>
<td>#5</td>
<td>#6</td>
<td>#7</td>
<td>#5</td>
<td>#5</td>
<td>#5</td>
<td>#15</td>
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</tbody>
</table>

### Part No. Example: EP3900-23-28-15FFNPALP21-R00
EP(12VDC Electric Explosion Proof Motor) 3900(Series 3900 Hose Reel)
-23(23" Head Dia.) -28(28" Drum Length)
-15(1-1/2" Thread Size) FF(Female In/Out Thread Type)
NP(NPT Thread Style) A(Aluminum Fluid Path)
LP(0-600 PSI) 1(Left Hand Top Wind Fluid Path Location/Direction)
R(Red)

**NOTE:** Not all options available in every combination. Actual assigned part numbers will vary. Please contact manufacturer for price and availability.

**Customer Service:** 1.855.634.9109  
All Other Calls: 1.800.444.3134
Heavy Duty Hand Crank and Motor Driven Reels

Series 30000 - Air/Water/Oil - 1/4", 1/2", 3/4", 1" I.D.

Reelcraft's Series 30000 reels are designed for rugged, heavy duty applications requiring long lengths of hose and large storage capacity. All-bolted unitized construction with no welds to fatigue, full flow swivel and heavy gauge steel frame, spool and drum ensure longest service life. Series 30000's vibration-proof, self-locking fasteners are ideal for industrial or field use such as turf care or pest control.

Made in USA

## Hose I.D.

<table>
<thead>
<tr>
<th>Hose O.D.</th>
<th>1/2&quot; (12.7 mm)</th>
<th>3/4&quot; (19.1 mm)</th>
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</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>.550&quot; (140 mm)</td>
<td>1.188&quot; (300 mm)</td>
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<tr>
<td>12&quot;</td>
<td>.550&quot; (140 mm)</td>
<td>1.188&quot; (300 mm)</td>
</tr>
<tr>
<td>18&quot;</td>
<td>.550&quot; (140 mm)</td>
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</tr>
<tr>
<td>22&quot;</td>
<td>.550&quot; (140 mm)</td>
<td>1.188&quot; (300 mm)</td>
</tr>
</tbody>
</table>

**Four 1/2" (12.7 mm) diameter mounting holes.**

### Hose O.D.

- **.850" (22 mm)**
- **1.188" (30 mm)**

### Weight

- **.350" (9 mm)**
- **1.188" (30 mm)**

### Hose Capacity

- **200 lbf (890 N)**
- **500 lbf (2245 N)**

### Pressure

- **150 psi (1 MPa)**
- **300 psi (2 MPa)**

### Hose Lengths

<table>
<thead>
<tr>
<th>Model</th>
<th>I.D.</th>
<th>O.D.</th>
<th>Capacity</th>
<th>Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA32106 L</td>
<td>1/2&quot;</td>
<td>.850&quot;</td>
<td>300 lbf</td>
<td>150 psi</td>
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<tr>
<td>CA32112 L</td>
<td>1/2&quot;</td>
<td>.850&quot;</td>
<td>500 lbf</td>
<td>300 psi</td>
</tr>
<tr>
<td>CA32112 M</td>
<td>1/2&quot;</td>
<td>1.188&quot;</td>
<td>300 lbf</td>
<td>150 psi</td>
</tr>
<tr>
<td>CA33112 M</td>
<td>1/2&quot;</td>
<td>1.188&quot;</td>
<td>500 lbf</td>
<td>300 psi</td>
</tr>
</tbody>
</table>

### Notes:

- Weights listed are for crank driven. Add for power driven, electric - all explosion proof 45 lb (20.41 kg), 12 V DC 1/3 HP 30 lb (13.61 kg); Air 6 AM 1/2 HP 16.33 kg. Capacity chart is reference only. For all metric thread connections over 1/2" add the suffix number 70 to indicate BSPT threads - example CA33118 M70.

- All Series 30000 reels are supplied without hose. Assemblies quoted upon request.
- CAUTION: To prevent drum damage, fully extend and pressurize hose and rewind on the reel.
- NOTE: Many more reel models available in addition to chart. Visit reelcraft.com for details on models not listed.

### Hose Installation:

The Series 30000 gooseneck is easily removed from the reel for hose attachment. Simply remove the four fasteners attaching gooseneck to reel, connect hose to the gooseneck and re-connect to the reel. NOTE: Do not discard the O-ring; insure that the O-ring is properly fitted into the grooves when replacing the gooseneck.

- Adjustable spool rotation drag that eliminates hose backlash
- Nickel-plated swivel with four O-ring options: AFLAS (standard), Buna, Viton® or EPR* seals *Standard swivel
- All bolted construction, no welds
- Permanently lubricated dual main bearings
- Full flow shaft
- Motor mounting at either end of reel
- Optional lock pin to prevent spool rotation when the reel is not in use, part #S600874

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**Long Hose Lengths | Series 30000**

**Customer Service:** 1.855.634.9109
**All Other Calls:** 1.800.444.3134

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23x23 4
246x30 1.855.634.9109
246x18 1.800.444.3134

Heavy Duty Large Frame Reels
Nordic Series 1200

1” fluid path for 1/2” through 1” I.D. hose

Rewind: Direct crank rewind or chain and sprocket drive powered by A.C. or D.C. electric motor, compressed air motor or hydraulic motor. Crank is not supplied on power rewind models. A pin lock assembly is optional on manual rewind reels. A 3/6” pitch chain is standard.

Inlet: 1/2” up to 1” female/male NPT 90° swivel joint. Straight swivel joint may be specified at extra cost.

Gooseneck: 1/2”, 3/4”, 1” female NPT. Other sizes and/or threads, including garden hose thread, can be furnished when specified.

The standard color for this series is red.

Hose I.D. in

<table>
<thead>
<tr>
<th>Model</th>
<th>Hose Length</th>
<th>Weight</th>
<th>Weight</th>
<th>Weight</th>
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<tr>
<td></td>
<td>ft</td>
<td>Crank*</td>
<td>Motor*</td>
<td>Bevel*</td>
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<tr>
<td>1200-19-6</td>
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<td>40</td>
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<td>1200-19-12</td>
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<td>1200-19-18</td>
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<td>1200-19-22</td>
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<td>1200-23-22</td>
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<td>1200-23-28</td>
<td>780</td>
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</tbody>
</table>

Refer to page 3 to build a representative model number. Final part number assigned upon quote.

Refer to chart on page 7 for weight adders.
Heavy Duty Large Frame Reels
Nordic Series 2400

1/2", 3/4" or 1" fluid path for 1/2" through 1" I.D. hose

Rewind: Gear-drive rewind or chain and sprocket drive powered by A.C. or D.C. electric motor, compressed air motor or hydraulic motor.

Inlet: 1/2" up to 1" female/male NPT 90° swivel joint. Straight swivel joint may be specified at extra cost.

Gooseneck: 1/2" up to 1" female/male NPT. Other sizes and/or threads, including male NST and male garden hose thread, can be furnished when specified.

Product temperatures from -20 °F to +225 °F and standard pressures to 3000 psi. Reels to operate at other temperatures or pressures can be furnished at extra cost, consult manufacturer.

The standard color for this series is red or gray. Add 12" to B dimension when crank is in rewind position.

Fire Service / Booster Reels

The aluminum Series 2450 reel for booster hose is corrosion-resistant and weighs up to 50% less than standard steel booster reels. Features include an aluminum spool and frame assembly, plated steel fluid path and plated sprocket and fasteners. No painting or finishing is required.

Built to order, not returnable.

Refer to page 3 to build a representative model number. Final part number assigned upon quote.
Refer to chart on page 7 for weight adders.
Large Frame Hose Reels

Nordic Series 3900

11/2” fluid path for 1” through 11/2” I.D. hose

**Rewind:** Gear-drive rewind or chain and sprocket drive powered by A.C. or D.C. electric motor, compressed air motor or hydraulic motor.

**Inlet:** 2” straight grooved fitting with 11/2” female NPT straight swivel joint is standard. 2” 90° grooved fitting with 11/2” NPT female available at extra cost.

**Gooseneck:** 1”, 11/4” and 11/2” female/male NPT outlet. Other sizes and/or threads can be furnished and must be specified.

Add 12” to B dimension when crank is in rewind position.

The standard color for this series is red or gray.

### Specification - Hose Capacity and Reel Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Hose Length</th>
<th>Est. Weight</th>
<th>A</th>
<th>B</th>
<th>CRK</th>
<th>ELC</th>
<th>AIR</th>
<th>HYD</th>
<th>C</th>
<th>D</th>
<th>CRK</th>
<th>ELC</th>
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<td>36</td>
<td>36</td>
<td>61</td>
<td>64</td>
<td>63</td>
</tr>
</tbody>
</table>

**Note:** Weights shown in chart are for crank rewind models. Add these amounts and model number prefix for power rewind models.

### Specification - Hose Capacity and Reel Dimensions

- **Hose I.D.** in mm: 1/4, 3/8, 1/2
- **Hose O.D.** in mm: 1.563, 1.813, 2.000, 2.063

Refer to page 3 to build a representative model number. Final part number assigned upon quote.

**Standard seals maximum temperature:** 174 °F (79 °C) and minimum temperature -20 °F (-29 °C). Extreme temperature seals maximum temperature 400 °F (204 °C) and minimum temperature -50 °F (-45 °C) and standard pressures to 600 psi. Other temperatures or pressures can be furnished at extra cost, consult manufacturer.
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