MATERIAL: Cable – 7 x 7 Construction, Preformed Galvanized Steel, Nylon Coated, 3/32” Diameter  
Arbor – Delrin  
Spring – High Carbon Steel  
Case – Steel, Epoxy Powder Coated or Delrin

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Steel</th>
<th>Delrin</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Cable Length - in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 3Z53-ML1710</td>
<td>E 3Z54-PML1710</td>
<td>2-7/8</td>
<td>3-3/8</td>
<td>1</td>
<td>1-1/8</td>
<td>5/16 sq.</td>
<td>90</td>
</tr>
<tr>
<td>E 3Z53-ML1851</td>
<td>E 3Z54-PML1851</td>
<td>4-1/8</td>
<td>5</td>
<td>6</td>
<td>1-5/8</td>
<td>7/16 sq.</td>
<td>120</td>
</tr>
<tr>
<td>E 3Z53-ML1881</td>
<td>E 3Z54-PML1881</td>
<td>2-7/8</td>
<td>3-3/8</td>
<td>1</td>
<td>1-1/8</td>
<td>5/16 sq.</td>
<td>108</td>
</tr>
<tr>
<td>E 3Z53-ML1912</td>
<td>E 3Z54-PML1912</td>
<td>5/16</td>
<td>7/16</td>
<td>1-9/32</td>
<td>1-1/32</td>
<td>1/4-20</td>
<td></td>
</tr>
<tr>
<td>E 3Z53-ML2800</td>
<td>—</td>
<td>4-1/8</td>
<td>5</td>
<td>6</td>
<td>—</td>
<td>7/16 sq.</td>
<td>108</td>
</tr>
<tr>
<td>E 3Z53-ML2801</td>
<td>—</td>
<td>20</td>
<td>18</td>
<td>16</td>
<td>14</td>
<td>12</td>
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</tr>
<tr>
<td>E 3Z53-ML3976</td>
<td>E 3Z54-PML3976</td>
<td>2-7/8</td>
<td>3-3/8</td>
<td>1</td>
<td>1-1/8</td>
<td>5/16 sq.</td>
<td>60</td>
</tr>
</tbody>
</table>

* Square clearance hole thru for mounting on square stud.

SQUARE STUD

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>THD</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 3C53-P11404</td>
<td>5/16</td>
<td>1-9/32</td>
<td>1-1/32</td>
<td>1/4-20</td>
</tr>
<tr>
<td>E 3C53-P10152</td>
<td>7/16</td>
<td>1-29/32</td>
<td>1-21/32</td>
<td>3/8-16</td>
</tr>
</tbody>
</table>

LOAD DEFLECTION CHARACTERISTICS

Cable Pull - Pounds

Inches Extension

EXTENDING

RETRACTING

CABLE PULL - POUNDS

INCHES EXTENSION

NEW
Each is equipped with a cable with a looped end.

**MATERIAL:**
- **Cable** – .024” Dia. 7 x 3 Stainless Steel
- **Spring** – 301 Stainless Steel
- **Drum** – Stainless Steel
- **Base** – Steel, Zinc Coated

**APPLICATIONS:**
- Counterbalances
- Door closers
- Cable retractors
- Hose retrievers
- Tool head returns
- Cabinet & furniture components
- Other long-motion functions

---

**Catalog Number** | **Cable Pull lbs.** | **Cable Length in.**
--- | --- | ---
*E 3Z53-ML1565 | See Graph | 64
E 3Z53-ML3949 | | 42
E 3Z53-ML3946 | | 52
E 3Z53-ML3943 | | 84

*Nylon coated cable to .034 Dia.
Each is equipped with a cable with a looped end.

APPLICATIONS:
• Counterbalances
• Door closers
• Cable retractors
• Hose retrievers
• Tool head returns
• Cabinet & furniture components
• Other long-motion functions

MATERIAL:
Cable – 3/32 Dia. Galvanized Steel, Nylon coated to 1/8" Dia.
Spring – High Carbon Steel
Case, Cable Reel & Mounting Bracket – Steel, Zinc Coated

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Cable Pull</th>
<th>Cable Length in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 3Z53-ML1547</td>
<td>See Graph</td>
<td>126</td>
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<tr>
<td>*E 3Z53-ML1548</td>
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<td></td>
</tr>
<tr>
<td>E 3Z53-ML1549</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*This reel has a power spring.

** These are typical curves, not maximum and minimum values.
MATERIAL:
- **Cable** – 40 lb. test, .024 dia. SST cable coated to .025 dia. with nylon
- **Spring** – 301 Stainless Steel
- **Drum & Base** – Celcon, Closed Case

APPLICATIONS:
- Counterbalances
- Door closers
- Cable retractors
- Hose retrievers
- Tool head returns
- Cabinet & furniture components
- Other long-motion functions

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Cable Pull lbs.</th>
<th>Cable Length in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 3Z53-ML45751</td>
<td>See Graph</td>
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</tr>
<tr>
<td>E 3Z53-ML45752</td>
<td>42</td>
<td>52</td>
</tr>
<tr>
<td>E 3Z53-ML45753</td>
<td>64</td>
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</tr>
<tr>
<td>E 3Z53-ML45754</td>
<td>84</td>
<td></td>
</tr>
</tbody>
</table>

**Graph**
- **Extending**
- **Retracting**

**Diagram**
- **BASE MOUNTED**
- **CLOSED CASE**
- **Clearance for #10 Stud**
- **Approx. Dim.**
- **Extending — Inches**
- **Retracting — Inches**
- **Cable Pull — Pounds**