Operating Manual
Please Read Before Operating Unit

DE100

DE500

DE400

DE300

DE100/DE300/DE400/DE500 Dereelers

Please call for Service or Spare Parts

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DE100/DE300/DE400/DE500 Dereelers

**SPECIFICATIONS**

**DE100**
- Turntable diameter: 8" (203mmø)
- Overall Size: 9" x 10-1/2" (229mm x 267mm)
- Maximum reel weight: 100 lbs (45 Kg)

**DE500**
- Turntable diameter: 18-1/4" (464mmø)
- Station Diameter: 5 stations of 6-1/2" OD (165mm) turntables
- Overall Size: 16-5/8" x 18-3/8" (422mm x 467mm)
- Maximum Reel Weight: Five-50 lbs (23 Kg) reels

**ORDERING INFORMATION**
- AR0010 (DE100) - Single station dereeler
- AR0015 (DE500) - Five station dereeler

**DE400 Bench Mounted Dereeler**

The DE400 is a versatile dereeler or reeler, using the attached handle for different reel sizes. Unit adjusts for reel hub diameter for various sizes up to 50 lbs. to provide positive mounting for the reel. Unit mounts to bench and incorporates an adjustable friction clutch to prevent overruns and tangles in dereeling applications.

**SPECIFICATIONS**
- Max. reel diameter: 19" (483mmø)
- Max. reel width: 6" (152mm)
- Min. reel hub diameter: 11/16" (17.5mmø)
- Max. reel hub diameter: 6" (152mmø)
- Max. reel weight: 50 lbs. (23 Kg)
- Overall Size: 13" x 10" x 6" (330mm x 254mm x 152mm)
- Weight: 10 lbs. (4.5 Kg)

**ORDERING INFORMATION**
- AR3801 (DE400) - Reeler and dereeler
- IR0491 - Optional bench stand
- IR0492 - Optional floor stand
- TR4400 - Kit to extend capacity of DE400 from 6" (152mm) wide to 10" (254mm) wide reels

**DE100, DE500 Dereelers**

The DE100 single station ball bearing turntable dereeler will accommodate a reel or spool of wire and other material up to 100 lbs. (45 Kg) in weight. The DE500 five station dereeler will take up to five 50 lb. (23 Kg) reels. These dereelers are free-running and perfect for all de-reeling applications.
DE300 REEL LIFTER AND DEREELER

The DE300 use the help of leverage to enable one person to easily set up cable reels weighing up to 1000 lbs. (455 Kg). Two people can set up reels over one ton (1018 Kg) in weight. The dereelers are stable and will not tip as cable is dereeled. The dangers of unsteady jacks are eliminated. Cable reels revolve on an axle, and the height of the cable reel is easily adjusted with two quick release detent pins. The dereelers are suitable for cable storage, dereeling and many other applications where large cable reels are used. All unit are modular in construction and quickly dismantle for economical storage and shipping. Units are shipped dismantled to save freight costs.

ORDERING INFORMATION

AR5300 (DE300) ........ Cable reel lifter and dereeler

Size:
DE300...........................48-1/4" x 38-1/2 x 22-1/2"
(1225mm x 978mm x 591mm)

SPECIFICATIONS OF DE300

<table>
<thead>
<tr>
<th>Specifications</th>
<th>DE300</th>
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<tbody>
<tr>
<td>A = reel width, max.</td>
<td>31&quot; (787mm)</td>
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<tr>
<td>B x 2 = reel dia., max.</td>
<td>48&quot; (1219mm)</td>
</tr>
<tr>
<td>C = reel arbor dia., min.</td>
<td>1-11/16&quot; (43mm)</td>
</tr>
<tr>
<td>Overall size</td>
<td>48&quot; x 32&quot; x 22&quot;</td>
</tr>
<tr>
<td></td>
<td>(1219mm x 812mm x 559mm)</td>
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<tr>
<td>Net weight</td>
<td>83 lbs. (38 kg)</td>
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</table>

OPERATION

1. Remove bar, slide off slip-fitting and place through reel arbor hole.
2. Replace slip fitting, slide onto handles of unit. Two quick release detent pins control height of mounted reel.
3. Lift into upright position.
4. Cable ready for dereeling, to remove reel, reverse procedure.
SET-UP:
Check all items on the drawing to be sure they are present in the quantities shown. The unit is shipped with all parts for dereeling or reeling and is shipped disassembled to save freight costs. The TR4400 extra long shaft is an optional accessory to accommodate larger reels. Assemble the unit as required for either reeling or dereeling operations as show above.

OPERATION:
The three locating pins on each of the hub plates are adjusted to either hold the reel or spool on the inside arbor hole or the outside diameter of the reel or spool depending on the size of reel or spool. One locating pin for reeling applications should be located to hold reel or spool securely and prevent reel or spool from turning on the hub plates.

The friction clutch incorporated in the dereeler should be adjusted by increasing or decreasing the pressure of spring number PR3282 by altering the relative position of collar number PR3257 to maintain adequate drag in dereeling operations to prevent over running and material jams. Do not create unnecessary drag as this may affect machinery or processes that have to dereel the material.

TROUBLESHOOTING:
If reels over run or will not dereel correctly, check the friction clutch adjustment as described in "operation."

<table>
<thead>
<tr>
<th>Item</th>
<th>Order Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>IR3100</td>
<td>Weldment, Base-Painted</td>
</tr>
<tr>
<td>2.</td>
<td>PG0060</td>
<td>Cap, Tube</td>
</tr>
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<td>3.</td>
<td>PG0079</td>
<td>Nut, Nex-Acorn</td>
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<td>4.</td>
<td>PG0062</td>
<td>Washer, Fib-.625 ID x 1-3/4&quot; OD x 1/16</td>
</tr>
<tr>
<td>5.</td>
<td>TR7530</td>
<td>Shaft, Reel</td>
</tr>
<tr>
<td>6.</td>
<td>PR3257</td>
<td>Collar, Shaft - 5/8&quot;</td>
</tr>
<tr>
<td>7.</td>
<td>TG3546</td>
<td>Stud, Wing - Pltd 5/16-18 x 1/2</td>
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<td>8.</td>
<td>PR3282</td>
<td>Spring, Compresion</td>
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<td>9.</td>
<td>IR3090</td>
<td>Assembly, Disc</td>
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<td>10.</td>
<td>TG3548</td>
<td>Nut, Wing - Pltd</td>
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<td>11.</td>
<td>TR8317</td>
<td>Peg, Reel</td>
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<td>12.</td>
<td>PG0005</td>
<td>Handle</td>
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<td>13.</td>
<td>PG0061</td>
<td>Screw, Shoulder</td>
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<td>14.</td>
<td>TG3547</td>
<td>Nut, Hex-Locking</td>
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