Rail Grapple

6006HDRA with rotator RT-252

Opening 63 5/8 in. (1616 mm)
Closing 7 3/8 in. (187 mm)
Volume .316 cord of 8 ft. wood
Area tip to tip 5.1 sq. ft. (.47 sq. meter)
Rotator lifting capacity 25000 lb (11340 kg)
Torque at relief pressure 16150 in.lb (1825 Nm) @ 1450 psi (100 bars)
Steel* thickness 3/4” (19 mm)
Weight 1465 lb (665 kg)

*High tensile strength steel: 165,000 psi (1138 MPa)

<table>
<thead>
<tr>
<th>Cylinder</th>
<th>Diameter</th>
<th>Recommended pressure</th>
<th>Pressure range</th>
<th>Flow range</th>
<th>Lock valves</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>4” (102 mm)</td>
<td>3000 psi (207 bars)</td>
<td>2500 - 3500 psi (172 - 241 bars)</td>
<td>23 - 35 gpm (87 - 132 l/min.)</td>
<td>yes</td>
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<tr>
<td>Standard</td>
<td>3 1/2” (89 mm)</td>
<td>4050 psi (279 bars)</td>
<td>3600 - 4500 psi (248 - 310 bars)</td>
<td>17 - 28 gpm (64 - 98 l/min.)</td>
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Grapple cylinder maximum flow will theoretically produce a complete grapple open/close cycle in 4 seconds.

Reference Dimension
A 7 3/8 in. (187 mm)
B 42 1/2 in. (1080 mm)
C 63 5/8 in. (1616 mm)
D 70 1/4 in. (1784 mm)
E 51 1/2 in. (1308 mm)
F 16 1/4 in. (413 mm)
G 16 3/8 in. (416 mm)
H 25 in. (635 mm)
Rail Grapple

6006HDRA with rotator RT-322

Opening 63 5/8 in. (1616 mm)
Closing 7 3/8 in. (187 mm)
Volume .316 cord of 8 ft. wood
Area tip to tip 5.1 sq. ft. (.47 sq. meter)
Rotator lifting capacity 32000 lb (14515 kg)
Torque at relief pressure 16150 in.lb (1825 Nm) @ 1450 psi (100 bars)
Steel* thickness 3/4” (19 mm)
Weight 1505 lb (683 kg)

*High tensile strength steel: 165,000 psi (1138 MPa)

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Reference Dimension

- A 7 3/8 in. (187 mm)
- B 42 1/2 in. (1080 mm)
- C 63 5/8 in. (1616 mm)
- D 70 1/4 in. (1784 mm)
- E 52 3/8 in. (1330 mm)
- F 16 1/4 in. (413 mm)
- G 16 3/8 in. (416 mm)
- H 25 in. (635 mm)

We reserve the right to change specifications and to improve our products without notice or obligation.

V.06/2009
# Rail Grapple

**6006HDRA with rotator RT-502-STD**

- **Opening**: 63 5/8 in. (1616 mm)
- **Closing**: 7 3/8 in. (187 mm)
- **Volume**: .316 cord of 8 ft. wood
- **Area tip to tip**: 5.1 sq. ft. (.47 sq. meter)
- **Rotator lifting capacity**: 50000 lb (22680 kg)
- **Torque at relief pressure**: 18630 in.lb (2105 Nm) @ 1450 psi (100 bars)
- **Steel* thickness**: 3/4” (19 mm)
- **Weight**: 1650 lb (748 kg)

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<tr>
<th>Rotator</th>
<th><strong>Maximum pressure</strong>: 5000 psi (345 bars)</th>
<th><strong>Recommended flow</strong>: 9 gpm (34 l/min.)</th>
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<td><strong>Rotator recommended flow will produce a speed of 25 rpm.</strong></td>
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Grapple cylinder maximum flow will theoretically produce a complete grapple open/close cycle in 4 seconds.

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