# Rail Grapple

**6606HDRA with rotator RT-252**

- **Opening**: 76 1/8 in. (1934 mm)
- **Closing**: 6 3/8 in. (162 mm)
- **Volume**: .441 cu. ft.
- **Area tip to tip**: 7.1 sq. ft. (.66 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**: 1570 lb (712 kg)

<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&quot; (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>
</tr>
<tr>
<td>Standard</td>
<td>3 1/2&quot; (89 mm)</td>
<td>4050 psi (279 bars)</td>
<td>3600 - 4500 psi (248 - 310 bars)</td>
<td>17 - 26 gpm (64 - 98 l/min.)</td>
<td>yes</td>
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</tbody>
</table>

Grapple cylinder maximum flow will theoretically produce a complete grapple open/close cycle in 4 seconds.

<table>
<thead>
<tr>
<th>Reference</th>
<th>Dimension</th>
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<tbody>
<tr>
<td>A</td>
<td>6 3/8 in. (162 mm)</td>
</tr>
<tr>
<td>B</td>
<td>76 1/8 in. (1934 mm)</td>
</tr>
<tr>
<td>C</td>
<td>79 1/2 in. (2019 mm)</td>
</tr>
<tr>
<td>D</td>
<td>56 5/8 in. (1438 mm)</td>
</tr>
<tr>
<td>E</td>
<td>18 3/4 in. (476 mm)</td>
</tr>
<tr>
<td>F</td>
<td>16 3/8 in. (416 mm)</td>
</tr>
<tr>
<td>G</td>
<td>25 1/8 in. (638 mm)</td>
</tr>
</tbody>
</table>

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

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We reserve the right to change specifications and to improve our products without notice or obligation.  
V.06/2009
Rail Grapple

6606HDRA with rotator RT-322

- Opening: 76 1/8 in. (1934 mm)
- Closing: 6 3/8 in. (162 mm)
- Volume: .441 cu ft (66 sq. meter)
- Area tip to tip: 7.1 sq. ft.
- Rotator lifting capacity: 32000 lb (14515 kg)
- Torque at relief pressure: 1610 lb (730 kg)
- Steel thickness: 3/4" (19 mm)
- Weight: 1610 lb (730 kg)

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Grapple cylinder maximum flow will theoretically produce a complete grapple open/close cycle in 4 seconds.

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Rail Grapple

6606HDRA with rotator RT-502-STD

- Opening: 76 1/8 in. (1934 mm)
- Closing: 6 3/8 in. (162 mm)
- Volume: .441
- Area tip to tip: 7.1 sq. ft (.66 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: 1755 lb (796 kg)

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

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Grapple cylinder maximum flow will theoretically produce a complete grapple open/close cycle in 4 seconds.

Reference Dimension
- A: 6 3/8 in. (162 mm)
- B: 76 1/8 in. (1934 mm)
- C: 79 1/2 in. (2019 mm)
- D: 58 in. (1473 mm)
- E: 18 3/4 in. (476 mm)
- F: 16 3/8 in. (416 mm)
- G: 25 1/8 in. (638 mm)
- H:

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