Multi Purpose Grapple

5509MUL with rotator RT-222

Opening 55 in. (1397 mm)
Closing 8 3/4 in. (222 mm)
Volume 0.30 cubic yards 0.23 cubic meters
Area tip to tip 2.6 sq. ft. (.24 sq. meter)
Rotator lifting capacity 22000 lb (9980 kg)
Torque at relief pressure 10700 in.lb (1209 Nm) @ 913 psi (63 bars)
Steel* thickness 3/4" (19 mm)
Weight 975 lb (442 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>3 1/2&quot; (89 mm)</td>
<td>2350 psi (162 bars)</td>
<td>2000 - 2700 psi (138 - 186 bars)</td>
<td>16 - 24 gpm (61 - 91 l/min.)</td>
<td>no</td>
</tr>
<tr>
<td>Standard</td>
<td>3&quot; (76 mm)</td>
<td>3250 psi (224 bars)</td>
<td>2800 - 3700 psi (193 - 255 bars)</td>
<td>11 - 16 gpm (42 - 61 l/min.)</td>
<td>no</td>
</tr>
</tbody>
</table>

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

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

Grapple recommended flow will produce a speed of 30 rpm.

Reference Dimension
A 8 3/4 in. (222 mm)
B 55 in. (1397 mm)
C 60 1/4 in. (1530 mm)
D 42 in. (1067 mm)
E 16 1/4 in. (413 mm)
F 16 3/4 in. (425 mm)
G 23 3/4 in. (603 mm)

web site: www.rotobec.com
e-mail: rotobec@rotobec.com
Rotobec Inc.: Head office serving OEM’s and Eastern Canada
Ph: (418) 383-3002 Fax: (418) 383-5334
Rotobec West: Branch serving Western Canada and Western USA
Ph: (250) 765-1161 Fax: (250) 765-0035
Rotobec USA: Branch serving Eastern and Central USA
Ph: (603) 444-2103 Fax: (603) 444-0327

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

V.06/2009
Multi Purpose Grapple

5509MUL with rotator RT-252

Opening 55 in. (1397 mm)
Closing 8 3/4 in. (222 mm)
Volume .30 cubic yards 0.23 cubic meters
Area tip to tip 2.6 sq. ft. (.24 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 1010 lb (458 kg)

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

Reference Dimension

A 8 3/4 in. (222 mm)
B 55 in. (1397 mm)
C 60 1/4 in. (1530 mm)
D 41 1/2 in. (1054 mm)
E 16 1/4 in. (413 mm)
F 16 3/4 in. (425 mm)
G 23 3/4 in. (603 mm)

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

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Multi Purpose Grapple

5509MUL with rotator R-9150

- Opening: 55 in. (1397 mm)
- Closing: 8 3/4 in. (222 mm)
- Volume: 0.40 cubic yards / 0.31 cubic meters
- Area tip to tip: 2.6 sq. ft. (.24 sq. meter)
- Rotator lifting capacity: 18000 lb (8165 kg)
- Torque at relief pressure: 8450 in.lb (955 Nm) @ 913 psi (63 bars)
- Steel* thickness: 3/4" (19 mm)
- Weight: 965 lb (438 kg)

Rotator

- Maximum pressure: 4000 psi (276 bars)
- Recommended flow: 8 gpm (30 l/min.)

Rotator recommended flow will produce a speed of 30 rpm.

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

Reference Dimension

- A: 8 3/4 in. (222 mm)
- B: 55 in. (1397 mm)
- C: 60 1/4 in. (1530 mm)
- D: 43 1/2 in. (1105 mm)
- E: 16 3/4 in. (425 mm)
- F: 16 3/4 in. (425 mm)
- G: 23 3/4 in. (603 mm)

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