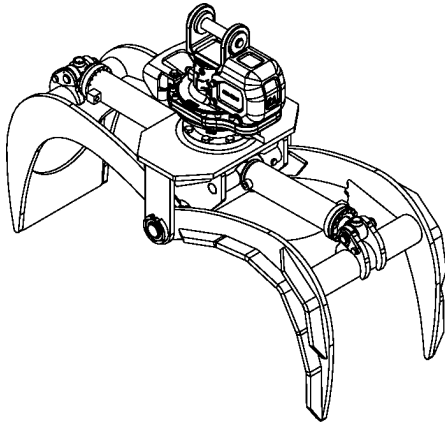




Combination grapple

5609 with rotator RT-222



Opening	56 in. (1422 mm)
Closing	9 3/4 in. (248 mm)
Volume	.210 cord of 8 ft. wood
Area tip to tip	3.4 sq. ft. (.31 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	900 lb (408 kg)

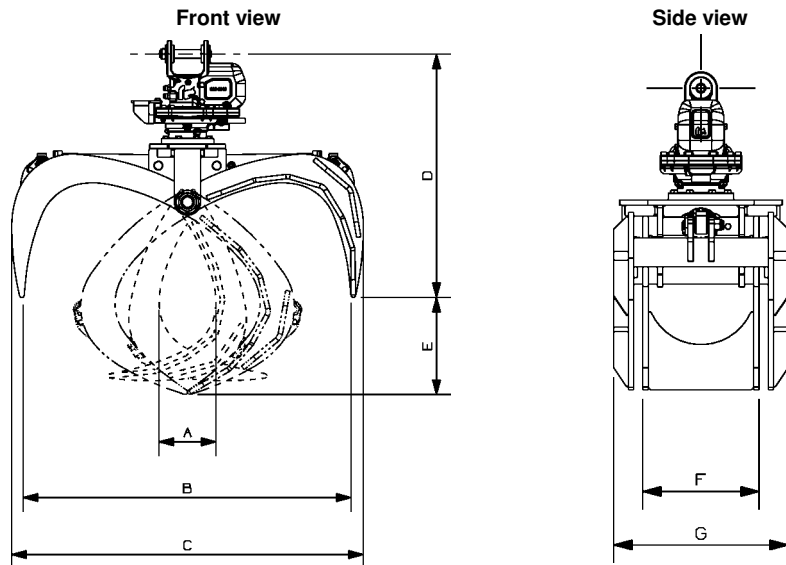
*High tensile strength steel: 165,000 psi (1138 MPa)

Rotator	Maximum pressure: 5000 psi (345 bars)	Recommended flow: 10 gpm (38 l/min.)
Rotator recommended flow will produce a speed of 30 rpm.		

Cylinder	Diameter	Recommended pressure	Pressure range	Flow range	Lock valves
Standard	3 1/2" (89 mm)	2350 psi (162 bars)	2000 - 2700 psi (138 - 186 bars)	16 - 24 gpm (61 - 91 l/min.)	no
Standard	3" (76 mm)	3250 psi (224 bars)	2800 - 3700 psi (193 - 255 bars)	11 - 16 gpm (42 - 61 l/min.)	no

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

Reference	Dimension
A	9 3/4 in. (248 mm)
B	56 in. (1422 mm)
C	60 1/4 in. (1530 mm)
D	41 3/4 in. (1060 mm)
E	16 5/8 in. (422 mm)
F	16 in. (406 mm)
G	24 in. (610 mm)
H	



OPTIONS: Leveling plate. Knife to close wide jaw. Log protection package, including shaft on jaw tips and protection strips on jaw edges. Jaw tip modification to prevent log damage. Impact protection relief valve available on certain models (check with factory).

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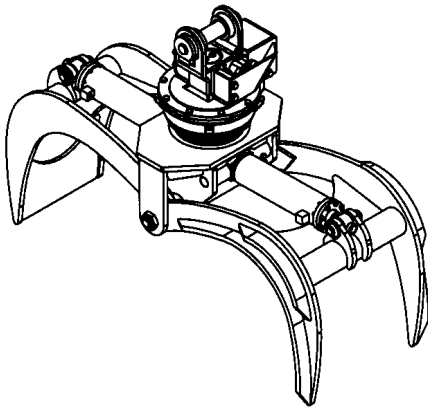
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Combination grapple

5609 with rotator RT-252



Opening	56 in. (1422 mm)
Closing	9 3/4 in. (248 mm)
Volume	.210 cord of 8 ft. wood
Area tip to tip	3.4 sq. ft. (.31 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	920 lb (417 kg)

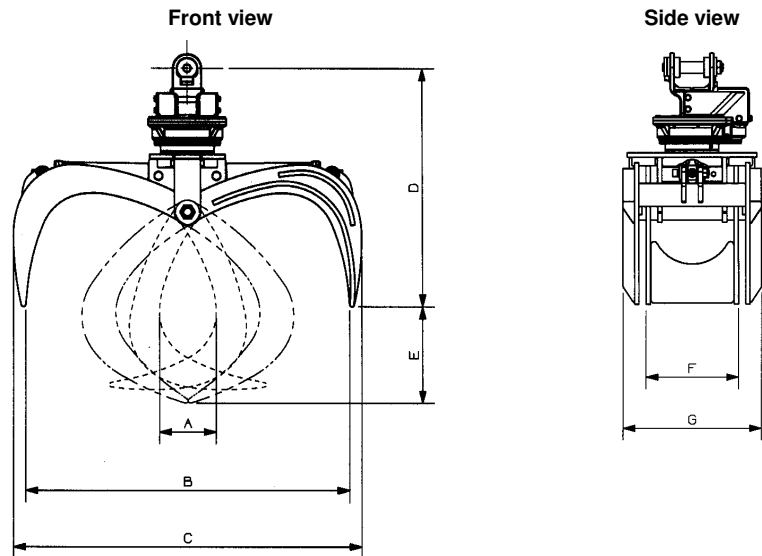
*High tensile strength steel: 165,000 psi (1138 MPa)

Rotator	Maximum pressure: 5000 psi (345 bars)	Recommended flow: 9 gpm (34 l/min.)
Rotator recommended flow will produce a speed of 30 rpm.		

Cylinder	Diameter	Recommended pressure	Pressure range	Flow range	Lock valves
Standard	3 1/2" (89 mm)	2350 psi (162 bars)	2000 - 2700 psi (138 - 186 bars)	16 - 24 gpm (61 - 91 l/min.)	no
Standard	3" (76 mm)	3250 psi (224 bars)	2800 - 3700 psi (193 - 255 bars)	11 - 16 gpm (42 - 61 l/min.)	no

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

Reference	Dimension
A	9 3/4 in. (248 mm)
B	56 in. (1422 mm)
C	60 1/4 in. (1530 mm)
D	41 1/8 in. (1045 mm)
E	16 5/8 in. (422 mm)
F	16 in. (406 mm)
G	24 in. (610 mm)
H	



OPTIONS: Leveling plate. Knife to close wide jaw. Log protection package, including shaft on jaw tips and protection strips on jaw edges. Jaw tip modification to prevent log damage. Impact protection relief valve available on certain models (check with factory).

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