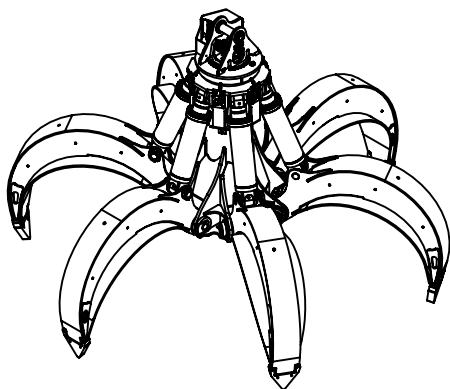


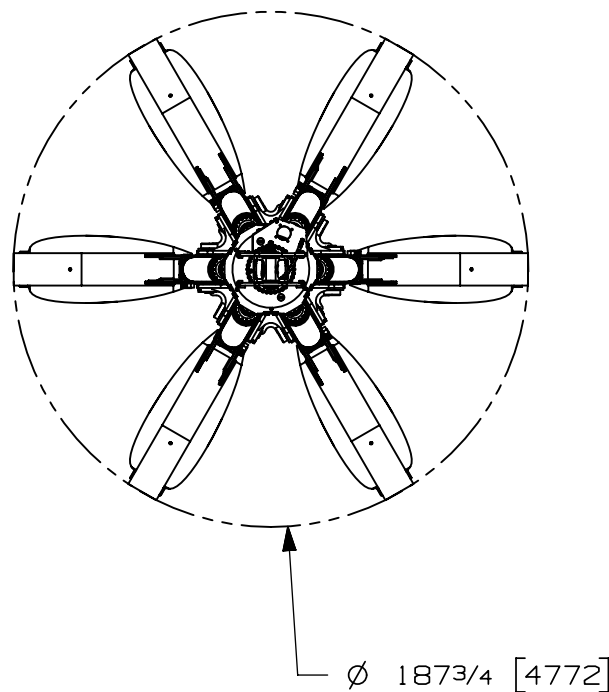
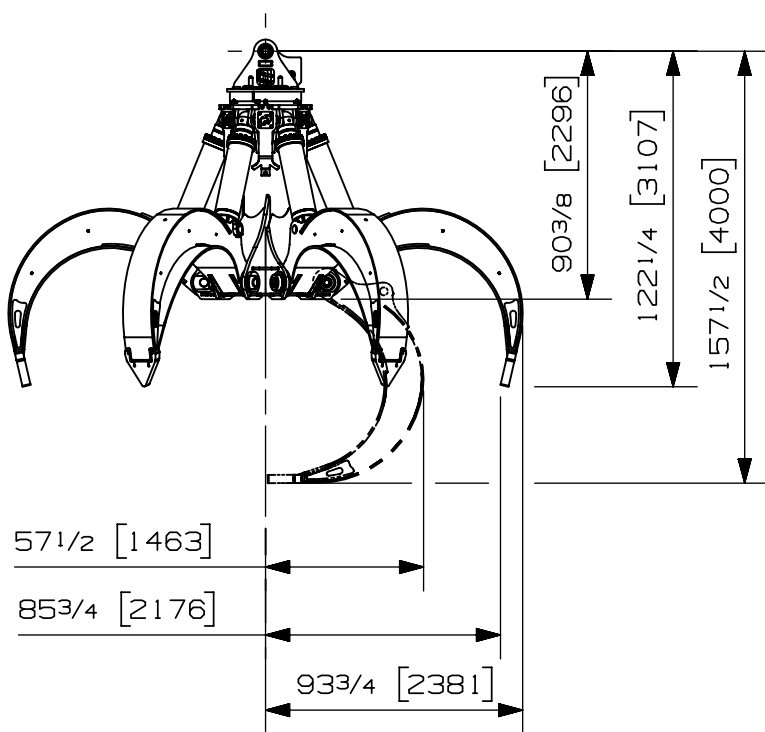


Max load:	n/a lb	n/a kg
Volume:	6.54 y ³	5.00 m ³
Area tip to tip:	n/a ft ²	n/a m ²
Rotator lifting capacity:	120000 lb	54431 kg
Torque at relief pressure:	51150 lb-in	5779 Nm
	1800 psi	124 bars
Weight:	17515 lb	7945 kg

Rotator	Maximum pressure: 5000 psi 345 bars	Recommended flow: 12 gpm 45 l/min
Rotator recommended flow will produce a speed of 15 rpm		

Cylinder	Diameter	Recommended pressure	Pressure range	Flow range	Lock valves
Standard	4 1/2 " (114 mm)	4300 psi (296 bars)	3600-5000 psi (248-345 bars)	105-130 gpm (397-492 l/min.)	no

Grapple cylinder maximum flow will theoretically produce a complete grapple open/close cycle in 8 seconds.



Options:

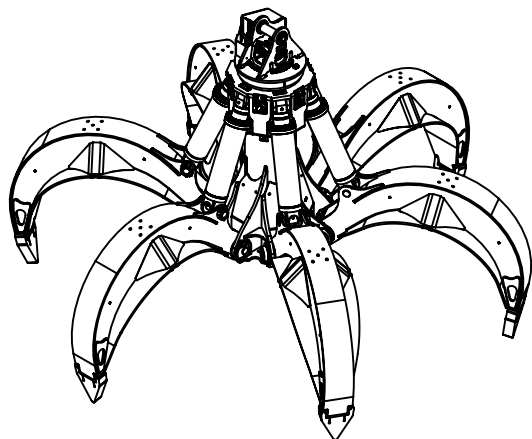
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web site: www.rotobec.com

email: rotobec@rotobec.com

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Rotobec West: Branch serving Western Canada and Western USA
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Ph: (418) 383-3002 Fax: (418) 383-5334
 Ph: (250) 765-1161 Fax: (250) 765-0035
 Ph: (603) 444-2103 Fax: (603) 444-0327

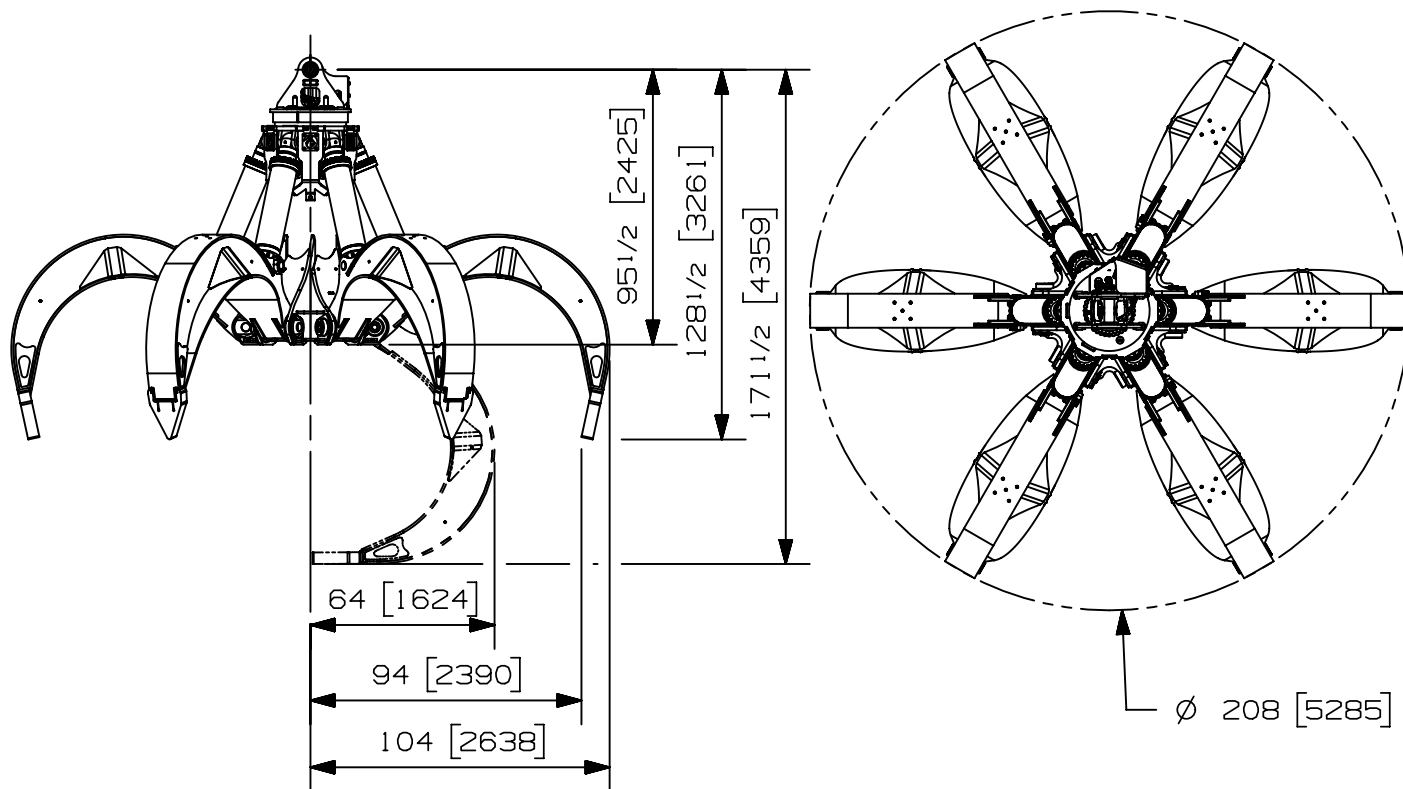


Max load:	n/a lb	n/a kg
Volume:	9.16 y ³	7.00 m ³
Area tip to tip:	n/a ft ²	n/a m ²
Rotator lifting capacity:	120000 lb	54431 kg
Torque at relief pressure:	51150 lb-in	5779 Nm
	1800 psi	124 bars
Weight:	20750 lb	9412 kg

Rotator	Maximum pressure: 5000 psi 345 bars	Recommended flow: 12 gpm 45 l/min
Rotator recommended flow will produce a maximum speed of 15 rpm		

Cylinder	Diameter	Recommended pressure	Pressure range	Flow range	Lock valves
Standard	4 1/2 " (114 mm)	4300 psi (296 bars)	3600 - 5000 psi (248-345 bars)	114 - 139 gpm (432-526 l/min.)	No

Grapple cylinder maximum flow will theoretically produce a complete grapple open/close cycle in 9 seconds.					
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Options:

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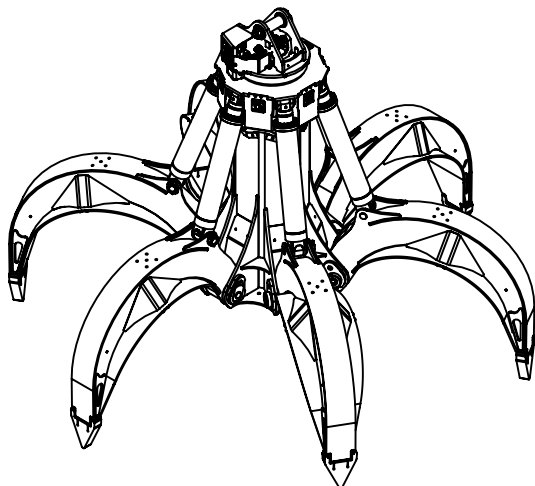
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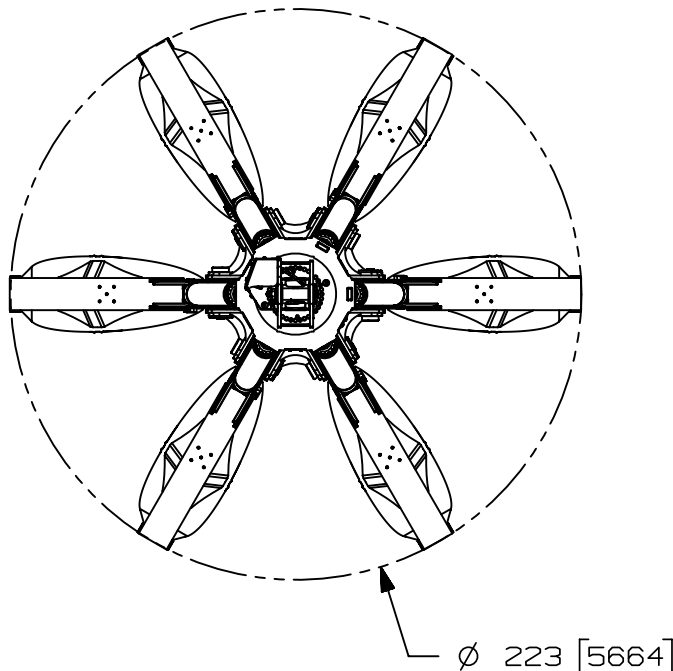
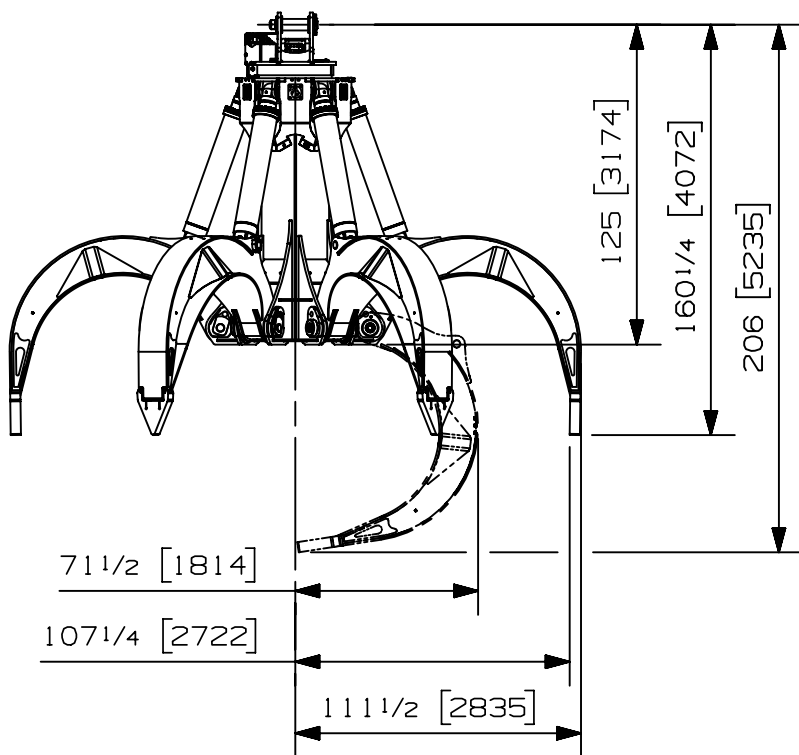


Max load:	- lb	- kg
Volume:	13.08 y ³	10.00 m ³
Area tip to tip:	- ft ²	- m ²
Rotator lifting capacity:	150000 lb	68039 kg
Torque at relief pressure:	59230 lb-in 1800 psi	6692 Nm 124 bars
Weight:	27570 lb	12506 kg

Rotator	Maximum pressure: 5000 psi 345 bars	Maximum flow: 13 gpm 49 l/min
Rotator recommended flow will produce a maximum speed of 15 rpm		

Cylinder	Diameter	Recommended pressure	Pressure range	Flow range	Lock valves
Standard	4 1/2 " (114 mm)	4300 psi (296 bars)	3600 - 5000 psi (248-345 bars)	133 - 159 gpm (503-602 l/min.)	No

Grapple cylinder maximum flow will theoretically produce a complete grapple open/close cycle in 10 seconds.



Options:

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