

LOG GRAPPLES

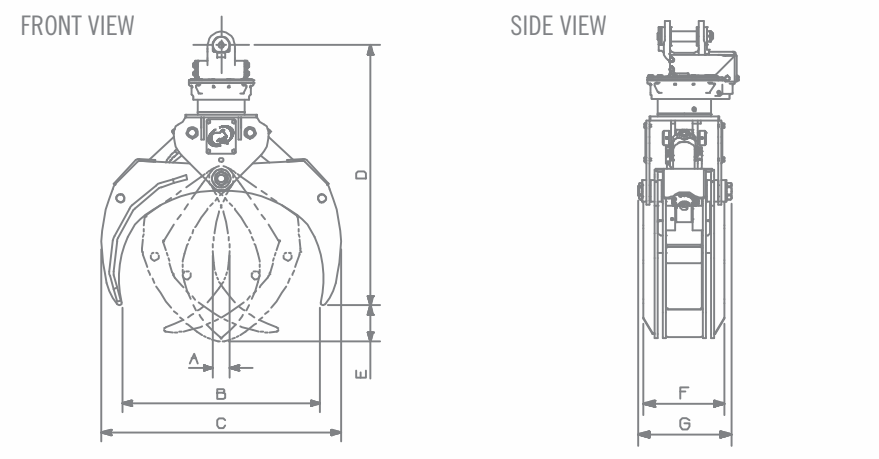
by ROTOBEC



LOG GRAPPLE TECHNICAL SPECIFICATIONS

SERIES	Pull-through delimiting New Generation Heavy-Duty					Shovel - logging New Generation Super Heavy-Duty			Sorting & loading Medium-Duty					Unloading * Medium-Duty				
	MODEL	4042HD	4048HD	4552HD	6058HD	6065HD	4552SHD	4560SHD	6065SHD	3537	4535	4542/4642	4547	5052	6066	8074	9082	
Capacity in cords of 8' wood		0.17	0.19	0.23	0.32	0.38	0.26	0.32	0.38	0.06	0.11	0.17	0.19	0.23	0.43	0.54	0.66	
Area in square feet (when tip to tip)		2.7	3.1	3.7	5.1	6.1	4.2	5.1	6.1	1.0	1.7	2.7	3.1	3.7	6.9	8.6	10.5	
Area in square meter (when tip to tip)		0,25	0,28	0,34	0,47	0,57	0,39	0,48	0,57	0,09	0,16	0,25	0,28	0,34	0,65	0,80	0,97	
A	in.	4 1/8	4	4 1/2	6 1/8	6 3/8	4 1/2	4 3/4	6 3/8	2 1/2	4 3/8	4 5/8	4 3/4	5 7/8	5 3/4	8 1/8	9	
B	in.	42	48	52 3/4	58 3/8	65 5/8	53	60 1/8	65 5/8	37 1/2	35 1/8	41 7/8	47 1/2	52 5/8	66 1/4	73 3/4	81 5/8	
C	in.	52 3/4	57 7/8	63 3/8	70	76 7/8	67 1/2	74	76 7/8	41	43 1/2	52 1/4	56 1/2	62 5/8	82 3/4	91 1/2	101 1/4	
D with rotator:	RT-252 in.	57 3/4	61	63 1/4						46 3/8	48	52 5/8	56 3/8	58 3/8	60 1/2			
	RT-322 in.	55 5/8	61 7/8	64 1/8														
	RT-502/RT-504 in.	59 3/4	63	65 1/4	70 1/4	75 3/8	69 5/8	71 1/4	75 3/8				59 3/4	61 3/4	64	66 3/4	70 1/4	
	RT-1002/1004 in.					78 1/4	72 1/2	74 1/8	78 1/4									
	9150 in.									48 1/2	50 3/8	54 7/8	58 5/8	60 3/4				
E	in.	7 1/2	8 3/4	9 3/4	10 1/2	12 1/8	9 1/2	11 3/8	12 1/8	7 1/2	6 1/4	7 3/8	8 3/8	9 5/8	11	12 1/2	14 3/8	
F	in.	16 1/2	17	17 1/2	17 1/2	20	19 1/2	19 1/2	20	14 1/2	14 1/2	14 3/4	15 1/2	15 1/2	15 1/2	15 1/2	15 1/2	
G	in.	19 1/2	19 1/2	20 1/2	20 1/2	22 3/4	22 1/2	22 1/2	23	16 1/2	16 1/2	16 1/2	18 1/4	18	17 3/8	17 3/8	17 3/8	
Weight with rotator:	RT-252 lb.	1170	1275	1520						745	765	885	1125	1190				
	RT-322 lb.	1200	1375	1515														
	RT-502/RT-504 lb.	1345	1450	1695	1800	2360	2365	2475	2670				1310	1375	1545	1710	1860	
	RT-1002/1004 lb.					2600	2605	2715	2910									
	9150 lb.									700	730	835	1075	1140				

* Expect longer deliveries.



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LOG GRAPPLES

by ROTOBEC

IDEAL FOR

Pull-thru delimiting, Swamp logging, Hoe chucking, Shovel logging.
These grapples are used throughout North America in the most demanding applications.

ADVANTAGES

- Designed for heavy-duty and super heavy-duty applications.
- Extreme environment ready.
- Equipped with the RT Series water tight rotations.



FEATURES AND BENEFITS



1

PINS

- Heavy-duty models feature oversized pins and sealed bronze bushing for extended greasing intervals in tough environments.
- Pins are chromed and hardened.



2

CYLINDERS

- Hydraulic cylinders rated at 5000 psi.
- Bolt-on heads for cost effective maintenance.
- Integrated lock valves.



3

STRUCTURE

- Heavy-duty and super heavy-duty models that are **SAW READY**.
- Interlocked head assembly to maximize strength.



4

GRAPPLE SAW READY

- Grapple saw is fully hydraulic.
- Automatic saw return.
- Safety interlock system with keyed control.
- Simple on machine installation with proven components.



5

ROTATORS

- RT model rotations feature continuous rotation.
- RT models to match any machine and application.
- Patented design by Rotobec.

ROTATORS – TECHNICAL SPECIFICATIONS

MODEL	SWING TORQUE (in lb.)	AXIAL LIFT CAPACITY (lb)	WEIGHT (lb)	TYPE (see legend)
9150	8450	18,000	225	2
RT-252*	16150	25,000	270	3
RT-322	12290	32000	310	3
RT-502-1*	18630	50,000	455	3
RT-504-3*	14910	50,000	445	3
RT-1002/1004*	22360	100,000	685	3

TYPE 1: Light-duty, direct drive, sealed, low side-loading capability.
 TYPE 2: Medium-duty, indirect drive, sealed, medium side-loading capability.
 TYPE 3: Heavy-duty, indirect drive, sealed internal gearing, high side-loading capability, single motor, 2 extra ports on RT-504 and RT-1004 for saw or other accessories.
 TYPE 4: Heavy-duty, indirect drive, open gears, limited water and dust application, high side-loading capability, single or double drive motor.

* US PATENT No. 7,066,076

