

# CLAMSHELL BUCKETS

# ROTOBEC

TOUGH HANDLING EQUIPMENT



## MATERIAL MOVING MONSTERS OF ALL SIZES IMAGINABLE

OUT-LIFT, OUT-PERFORM, OUT-LAST.

Rotobec Clamshell Buckets set the industry benchmark for strength and durability. Our line of Clamshells range in size from 1.14 m<sup>3</sup> all the way up to a whopping 10.7 m<sup>3</sup> capacity. Within our lineup, we offer a variety of different series including: Light duty, standard duty and heavy duty, each of which has been designed to provide the maximum level of performance based on the type of material being handled. When it comes to clamshell buckets, there is simply no other manufacturer capable of matching the toughness and versatility of a Rotobec.



## OUT-LIFT

The cylinders of our Clamshell Buckets are 100% designed, manufactured and assembled in-house. This allows us to guarantee that each cylinder meets the quality standards you deserve. Our cylinders are rated at **345 BAR** ensuring that you have all the closing force you could ever need.

## OUT-PERFORM

Our Clamshells are available with reversible **BOLT-ON CUTTING EDGES**, which literally doubles the life of your bucket's edge. We also offer models with a **LEVEL CUT DESIGN** for dredging applications.

## OUT-LAST

Where other manufacturers only use a high-tensile steel in small sections of the bucket, Our Clamshell Buckets are fabricated almost entirely of **HIGH-TENSILE STEEL**, which will significantly extend the life of your bucket.

## THE FORCE IS WITH YOU QUAD-CYLINDER DESIGN FOR OPTIMAL PERFORMANCE

### WORLD CLASS CYLINDERS

Our Clamshell Buckets come equipped with four Rotobec cylinders, each rated at 345 bar. The quad-cylinder design ensures the optimal force distribution on each corner of your bucket providing maximum loads each and every time.



## THE KING OF ROTATORS WE'RE CALLED ROTO-BEC FOR A REASON

### ONE ROTATOR TO RULE THEM ALL

For the last 40 years, Rotobec has been pushing the boundaries of innovation in the world of rotator design. The rotators on our Clamshell Buckets are no exception. In addition to standard 360° rotation and a fully supported pinion gear, all of our rotations are fully sealed, allowing them to be fully submersed in water up to 4.6 m deep. Our rotators are without a doubt the most advanced and longest lasting ever made. Why settle for anything but the best?

TECHNICAL DATA	RT-SERIES ROTATORS	
MODEL	RT-502/504	RT-1002/1004
Swing torque (Nm)	2,105	2,526
Axial lift capacity (kg)	22,680	45,359
Weight (kg)	202	311
Machine size (kg)	20,412-34,019	34,020-49,895





**TOUGH HANDLING EQUIPMENT**

**NEW  
WARRANTY**

**18  
MONTHS  
OR  
3000  
HOURS**



TECHNICAL DATA	LIGHT DUTY (2-CYLINDER)			LIGHT DUTY (4-CYLINDER)		
MODEL	CSB50L	CSB75L	CSB100L	CSB700L	CSB800L	CSB900L
Height (cm) (open/ excluding rotation)	64	65	66	155	163	160
Capacity (m <sup>3</sup> ) (SAE rated heaped)	0.38	0.57	0.76	5.35	6.12	6.88
Deck area (m <sup>2</sup> )	1.39	1.9	2.07	7.72	8.43	8.73
Weight (kg) (excluding rotation)	522	615	710	3,447	3,510	3,579
Maximum opening (cm)	176	184	200	330	361	373

TECHNICAL DATA	STANDARD DUTY							
MODEL	CSB200	CSB300	CSB400	CSB500	CSB600	CSB700	CSB800	CSB900
Height (cm) (open/ excluding rotation)	127	140	142	155	155	163	168	168
Capacity (m <sup>3</sup> ) (SAE rated heaped)	1.53	2.29	3.06	3.82	4.59	5.35	6.12	6.88
Deck area (m <sup>2</sup> )	3.55	4.68	5.39	6.1	6.78	7.52	8.34	8.76
Weight (kg) (excluding rotation)	1,755	2,227	2,431	2,982	3,162	3,930	4,001	4,076
Maximum opening (cm)	226	246	282	297	330	320	353	371
Weight bolt-on cutting edge (kg)	91	150	150	163	163	186	N/A	N/A

TECHNICAL DATA	HEAVY DUTY						
MODEL	CSB200HD	CSB300HD	CSB400HD	CSB500HD	CSB600HD	CSB700HD	CSB800HD
Height (cm) (open/ excluding rotation)	135	141	150	163	165	196	198
Capacity (m <sup>3</sup> ) (SAE rated heaped)	1.53	2.29	3.06	3.82	4.59	5.35	6.12
Deck area (m <sup>2</sup> )	3.46	4.55	5.37	6.27	6.9	8.21	8.7
Weight (kg) (excluding rotation)	2,130	2,974	2,919	3,719	3,865	4,804	4,890
Maximum opening (cm)	223	240	281	305	335	340	361

\*Half meter options available upon request

\*Super & Extreme HD models available upon request

**ROTOBEC LOCATIONS**

CANADA EAST/  
INTERNATIONAL  
Sainte Justine, QC  
Tel: 418.383.3002

USA EAST, CENTRAL  
Littleton, NH  
Tel: 603.444.2103

USA SOUTH  
Dallas, TX  
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WEST  
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**ROTOBEC**  
TOUGH HANDLING EQUIPMENT

# GARRA ORANGE PEEL

# ROTOBEC

MAQUINARIA DE MANIPULACIÓN A TODA PRUEBA



## LA INNOVACIÓN Y LA BELLEZA REUNIDAS

LEVANTA COMO NINGUNA OTRA, SOBRE-CALIFICADA Y SÚPER-AVANZADA.

La garras de Rotobec es reconocida como el líder de la industria en lo que concierne a la innovación y la resistencia. La construcción delgada y robusta, así como la rotación corriente de 360° hacen de ésta garras una herramienta preciosa para poseer y utilizar. La garras está disponible en diferentes configuraciones: 4 uñas, cinco uñas y con imán integrado. La garras de Rotobec traspasa los límites de las posibilidades. Está dotada de cilindros de alta presión de Rotobec y es una de las únicas en la industria que posee un sistema autónomo para el fluido hidráulico. Esas garras han revolucionado rápidamente el mundo de la manipulación de la chatarra. Aumenta la disponibilidad, reduce los costos de mantenimiento y domina la competencia.



# LEVANTA COMO NINGUNA OTRA

Nuestras garras están equipadas con **CILINDROS DE 345 BAR** fabricadas por Rotobec. Nuestros cilindros son los más grandes de la industria, lo que garantiza una duración de vida más larga que el promedio y su construcción permite ofrecer un nivel inigualable de protección del cilindro.

# SOBREGALIFICADA

Las uñas de nuestras garras hacen parte de una **ESTRUCTURA SIMILAR A UNA CAJA** que ofrece un nivel de fuerza y de durabilidad máxima. A fin de aumentar la durabilidad, la superficie interna de nuestras garras está construida con una **PLACA DE ACERO DE 1,6 CM** muy robusta.

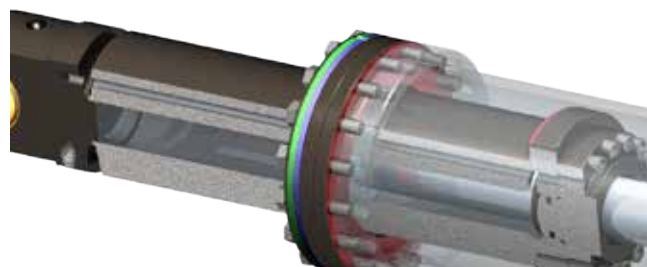
# SUPERAVANZADA

Nuestras garras comprenden también los **TOPES MECÁNICOS AJUSTABLES PATENTADOS** por Rotobec que compensan el desgaste inevitable de las garras. Esta característica permite obtener el cierre completo de las garras igual que cuando las puntas están desgastadas. Con el fin de asegurarse que el desgaste no llegue muy rápidamente, la punta de las garras está construida con un acero **ALTAMENTE RESISTENTE** al desgaste que ofrece una resistencia a la abrasión 50% mejor que el AR-500 normal.

## CILINDROS DE LARGA VIDA UTIL DISEÑO INNOVADOR. RESULTADOS INCREÍBLES

### SISTEMA HIDRÁULICO AUTÓNOMO

El desplazamiento de la chatarra es la tarea más intensa para una garra. En ese caso, la amenaza cotidiana para el operador es el deterioro de los cilindros y de las mangueras. Con el fin de proteger su valor agregado máspreciado, nosotros hemos fabricado un cilindro que ha revolucionado la industria. Nuestro cilindro contiene una canalización hidráulica interna que elimina la necesidad de una manguera de retorno. Este sistema autónomo ofrece un cilindro que está mejor protegido y es más durable que cualquier otra opción disponible en el mercado.



### UNA PROTECCIÓN DE 360°

La concepción de este cilindro autónomo e innovador nos ha permitido introducir un protector de cilindro que ofrece una protección de 360°. Como no es necesario hacer una abertura en la parte de atrás del protector del cilindro para la manguera de retorno, la garra de Rotobec ofrece un nivel de protección inigualable. Reduzca el tiempo de inmovilización y entre al futuro del desplazamiento de la chatarra.

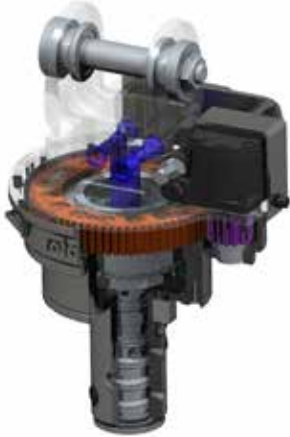


# EL REY DE LOS ROTORES

NO ES POR NADA QUE EL NOMBRE DE NUESTRA EMPRESA ES **ROTO-BEC**.

## UN ROTOR QUE DOMINA EL MERCADO

Desde hace más de 40 años, Rotobec innova el mundo de la fabricación de los rotadores. Los rotadores de nuestra garra no son la excepción. Todas nuestras rotaciones están completamente selladas os con el fin de protegerlas os de los elementos y de ofrecer una rotación de 360° y un engranaje de piñones completamente sostenido. Sin ninguna duda nuestros rotadores son los más evolucionados y los más durables que jamás se hayan fabricado. Porque contentarse con menos?



# NOSOTROS TENEMOS LO QUE USTED

## NECESITA

DISEÑO DE PUNTA. RESULTADOS AVANZADOS

## MANGUERAS BIEN ESCONDIDAS

Las mangueras proporcionan un elemento vital a la garra. Su protección es esencial para asegurar el funcionamiento eficaz y nosotros hemos dedicado grandes esfuerzos para garantizar su seguridad. Nuestras mangueras están colocadas de forma que queden protegidas del peligro y hemos agregado un protector impenetrable con el fin de prevenir la ruptura de las mangueras, la cual es costosa.



**ROBUSTO EQUIPO DE MANIPULACIÓN**

# ROBUSTO EQUIPO DE MANIPULACIÓN



DATOS TECNICOS	SERIE 4 UÑAS							
MODELO	OP4S-050	OP4S-075	OP4S-100	OP4S-125	OP4S-150	OP4S-200	OP4S-250	OP4S-300
Altura (cm) (abierta/excluyendo la rotación)	132	135	135	167	169	173	173	194
Pesos (kg) (excluyendo la rotación)	1.041	1.082	1.207	1.597	1.719	1.846	2.062	2.867
Capacidad (m³)	0,38	0,61	0,77	1,00	1,15	1,53	1,91	2,30
Abertura máxima (cm)	196	221	244	244	259	290	328	340

DATOS TECNICOS	SERIE 5 UÑAS					
MODELO	OP5S-040	OP5S-060	OP5S-080	OP5S-090	OP5S-110	OP5S-140
Altura (cm) (abierta/excluyendo la rotación)	132	135	136	168	169	173
Pesos (kg) (excluyendo la rotación)	1.222	1.272	1.474	1.960	2.111	2.270
Capacidad (m³)	0,4	0,6	0,8	0,9	1,1	1,4
Abertura máxima (cm)	208	231	257	267	284	315

DATOS TECNICOS	SERIE IMAN INTEGRADO						
MODELO	OPM4S-075	OPM4S-100	OPM4S-100HD	OPM4S-125	OPM4S-150	OPM4S-150HD	OPM4S-200HD
Dimensión de imanes (m)	0,8 & 0,9	0,9 & 1	1	1	1 & 1,1	1,1 & 1,3	1,1 & 1,3

DATOS TECNICOS	SERIE RT ROTORES		
MODELO	RT-3220R	RT-5020R	RT-10020R
Conjunto de rotación (Nm)	1.825	2.105	2.526
Capacidad de levantamiento axial (kg)	14.515	22.680	45.359
Pesos (kg)	141	204	297
Altura (cm)	41	43	51

## INSTALACIONES DE ROTOBEC

ESTE DE CANADÁ/  
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Sainte Justine, QC  
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Dallas, TX  
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**ROTOBEC**  
MAQUINARIA DE MANIPULACIÓN A TODA PRUEBA



# FORESTRY SOLUTIONS

# **ROTOBEC**

**TOUGH HANDLING EQUIPMENT**



## **LOOKING FOR AN UPGRADE?** **OUT-LIFT, OUT-PERFORM, OUT-LAST.**

Rotobec products are used by thousands of customers in over 40 countries around the world. We are proud to design and manufacture almost every component of our products, which ensure that no compromises are made on quality. Rotobec forestry grapples are the toughest available, backed by an industry-leading warranty. Go for more uptime. Go for Rotobec forestry grapples.



## FORWARDER/BUNCHING GRAPPLERS

### 100% HIGH-STRENGTH STEEL IN MY BODY

- Provides great durability.
- Abrasive resistant material.

### IN-HOUSE HIGH PRESSURE CYLINDER

- 345 bars cylinders eliminates need to lower operating pressure.
- Bolt-on cylinder head makes maintenance easier than threaded/screw head.



### OVERSIZED JAW AND CYLINDER PINS

- Oversized chromed and tempered pins.
- Alu-bronze, spiral-cut bushings.
- Fully sealed bushings.



Tired of changing forwarder grapple every 5000 hours?



TECHNICAL DATA	FORWARDER GRAPPLERS			
MODEL	F260HD	F300HD	F360HD	F420HD
Practical capacity (m <sup>2</sup> )	0.26	0.30	0.36	0.42
Maximum opening (cm)	165	172	188	200
Minimum closing (cm)	9	10	12	15
Height closed, excluding rotator (cm)	58	59	68	72
Height opened, excluding rotator (cm)	76	77	88	91
Weight, excluding rotator (kg)	274	279	406	426

TECHNICAL DATA	BUNCHING GRAPPLERS FOR EXCAVATORS AND MATERIAL HANDLERS						
MODEL	F520HD / RT-252	F645HD / RT-322	F800HD / R26000	F1000HD / R26000	F1250HD / R26000	F1500HD / R26000	F1750HD / R26000
Practical capacity (m <sup>2</sup> )	0.52	0.64	0.80	1.00	1.25	1.50	1.75
Maximum opening (cm)	221	246	274	300	320	350	380
Minimum closing (cm)	17	17	20	23	28	30	31
Height closed, including rotator (cm)	115	135	136	135	139	154	176
Height opened, including rotator (cm)	221	162	174	174	178	181	209
Weight, including rotator (kg)	660	925	1,246	1,313	1,443	1,700	2,138
Excavator type (tons)	14 to 18	20 to 24	24 to 26	24 to 26	24 to 26	30 to 35	30 to 35



# COMBINATION GRAPPLES

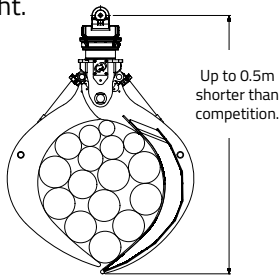


## HEAVY-DUTY ROTATOR

- Robust construction.
- Extended life time.
- Easy and cost effective maintenance.

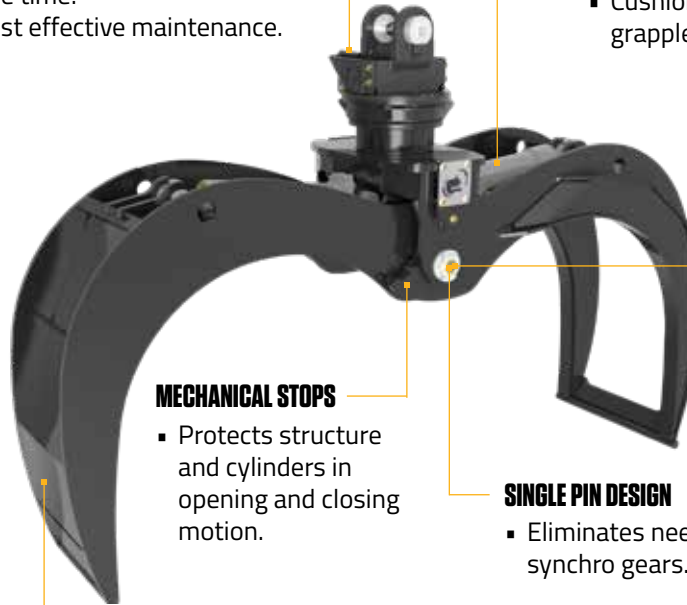
## SHORTEST BYPASS GRAPPLE ON THE MARKET

- Allows for more stacking height.



## 100% HIGH-STRENGTH STEEL

- Provides great durability.
- Abrasive resistant material.
- AR400 tips for longer life.



## MECHANICAL STOPS

- Protects structure and cylinders in opening and closing motion.

## SINGLE PIN DESIGN

- Eliminates need for fussy synchro gears.

## IN-HOUSE HIGH PRESSURE CYLINDER

- 345-bar cylinder provides outstanding closing force.
- Bolt-on cylinder head makes maintenance easier than threaded/screw-on head.
- Cushioned cylinder reduces impact on grapple's structure.



## OVERSIZED JAW AND CYLINDER PINS

- Oversized chromed and tempered pins.
- Alu-bronze, spiral-cut and fully sealed bushings.



## STRUCTURE DESIGNED WITH FINITE ELEMENT ANALYSIS (FEA)

- For optimal strength-to-weight ratio.



TECHNICAL DATA	STANDARD DUTY								
MODEL	060C / RT-252	070C / RT-322	080C / RT-502	100C / RT-502	125C / RT-502	150C / RT-502	175C / RT-1002	200C / RT-1002	250C / RT-1002
Height open (cm)	136	144	157	170	182	204	219	232	239
Weight (kg)	625	640	885	1,132	1,268	1,570	1,730	2,265	2,340
Area tip to tip (m <sup>2</sup> )	0.60	0.70	0.80	1.00	1.25	1.50	1.75	2.00	2.50
Maximum opening (cm)	173	188	206	229	257	282	302	323	335
Minimum opening (cm)	15	18	18	20	25	28	28	30	33

TECHNICAL DATA	HEAVY DUTY								
MODEL	050CHD / RT-252	060CHD / RT-502	070CHD / RT-502	080CHD / RT-502	100CHD / RT-1002	125CHD / RT-1002	150CHD / RT-1002	175CHD / RT-1002	
Height open (cm)	138	148	155	164	193	202	215	224	
Weight (kg)	615	882	1,200	1,154	1,635	1,785	2,268	2,320	
Area tip to tip (m <sup>2</sup> )	0.50	0.60	0.70	0.80	1.00	1.25	1.50	1.75	
Maximum opening (cm)	163	173	193	206	231	257	279	302	
Minimum opening (cm)	15	15	15	18	23	25	25	28	

# PULPWOOD GRAPPLES

## IN-HOUSE HIGH PRESSURE CYLINDER

- 345-bar cylinder provides outstanding closing force.
- Bolt-on cylinder head makes maintenance easier than threaded/screw-on head.
- Cushioned cylinder reduces impact on grapple's structure.



## IMPACT RELIEF VALVE

- Protects structure and hydraulic.

## MECHANICAL STOPS

- Protects structure and cylinders in opening and closing motion.
- Eliminate possibility to bottom out the cylinders.

## 100% HIGH-STRENGTH STEEL

- Provides great durability.
- Abrasive resistant material.
- AR400 tips for longer life.



## OVERSIZED JAW AND CYLINDER PINS

- Oversized chromed and tempered pins
- Alu-bronze, spiral-cut and fully sealed bushings.



## LEVELING PLATE

- Optional log leveling side plate (not shown).

## JAW DESIGN

- Closed box construction jaw, more robust than open jaw design.



TECHNICAL DATA	PULPWOOD SERIES												
	040 / RT-222	045 / R-9150	060 / RT-222	090 / RT-222	090HD / RT-502	100 / RT-252	115P / RT-504	145P / RT-504	145PHD / RT-1004	185P / RT-1004	225P / RT-1004	265P / RT-1004	305P / RT-1004
Height open (cm)	112	126	112	122	135	132	165	173	189	196	203	221	228
Weight (kg)	345	447	476	553	1,030	773	1,263	1,325	2,059	1,712	1,808	2,495	2,656
Volume (m³)	0.91	1.09	1.45	2.10	2.10	2.54	2.79	3.55	3.55	4.51	5.49	6.46	7.44
Area tip to tip (m²)	0.38	0.44	0.59	0.86	0.86	1.04	1.15	1.45	1.45	1.86	2.25	2.65	3.05
Max practical load (kg)	771	907	1,225	1,769	2,948	2,132	3,828	5,103	5,919	6,378	7,657	8,931	10,206
Maximum opening (cm)	142	178	191	224	221	249	251	282	290	318	345	373	401

# RPA POWER ATTACHMENTS

## FEATURES

- Simple installation due to valve integrated inside rotator head
- Optional twin-motor rotator for additional swing torque

### RAKE

The Rake configuration is used primarily by the forestry industry. The curvature of the jaw makes this an ideal tool for handling logs in hoe chucking and chipper feeding applications.



### PULP

The Pulpwood RPA is an alternative to our standard Pulpwood Grapples. It features a specialized jaw shape that allows it to handle large bunches in loading and unloading applications.



TECHNICAL DATA	RAKE				PULPWOOD	
MODEL	RPA2030R / RGP-1002	RPA3045R / RGP-902	RPA4570R / RGP-1302	RPA60100R / RGP-1702	RPA4570P08 / RGP-1302	RPA4570P10 / RGP-1302
Height open (cm) (including rotator)	136	146	172	201	190	192
Weight (kg)	835	1,222	1,762	2,540	2,135	2,213
Area (m <sup>2</sup> )	0.33	0.37	0.56	0.74	0.74	0.93
Maximum opening (cm)	170	178	216	244	231	254
Minimum closing (cm)	9	11	13	17	21	23

## LOG GRAPPLES, SD, HD AND SHD SERIES

### FEATURES

- High pressure cylinders with bolt-on head
- High strength steel
- Hoseless cylinder on SHD models
- Oversized pins and bushings
- Optional saw unit



TECHNICAL DATA	SD SERIES				HD SERIES					SHD SERIES		
MODEL	3537 / RT-142	4535 / RT-252	4642 / RT-142	5052 / RT-322	4042HD / RT-252	4048HD / RT-252	4552HD / RT-504	6058HD / RT-322	6065HD / RT-504	4552SHD / RT-1004	4560SHD / RT-1004	6065SHD / RT-1004
Height open (cm)	119	122	135	150	147	155	166	178	192	184	188	199
Weight (kg)	306	340	363	556	531	578	769	769	1,070	1,182	1,232	1,320
Area tip to tip (m <sup>2</sup> )	0.09	0.16	0.25	0.34	0.25	0.28	0.34	0.46	0.56	0.37	0.46	0.56
Maximum opening (cm)	94	89	107	132	107	122	135	147	168	135	152	168
Minimum closing (cm)	8	13	13	15	10	10	13	15	15	13	13	15



## BUTT'N TOP GRAPPLES

Rotobec Butt'n Top Grapples are an excellent solution for the loading and unloading of tree length wood. These grapples feature four of Rotobec's own 345 bar high-pressure cylinders, which provide an unbeatable level of control and stability over your load. We offer both a bunching as well as a sorting configuration, so there is a perfect option for you regardless of the type of wood you are handling.



### FEATURES

- Independent stabilizers
- Integrated valve mounted inside the rotator head to ease installation
- Interlocked head for increased durability
- Optional twin motor rotator for increased swing torque



TECHNICAL DATA	SORTING				BUNCHING		
	B325S / RGP-1306	B450S / RGP-1706	B370B / RGP-1306	B465B / RGP-1306	B550B / RGP-1306	B560B / RGP-1706	B650B / RGP-1706
Height open (cm)	182	197	183	190	196	203	209
Weight (kg)	1,876	2,753	1,876	1,887	1,928	2,694	2,715
Area tip to tip (m <sup>2</sup> )	0.33	0.45	0.37	0.46	0.56	0.56	0.65
Capacity in cords of 7.3 m wood	0.66	0.90	0.75	0.94	1.13	1.13	1.31
Maximum opening (cm)	155	198	140	147	163	180	185
Minimum closing (cm)	28	38	36	38	48	46	48

**ELITE 910/915**



- Boom reach: up to: 8.8 meters
- Max. grapple capacity: 0.4m<sup>2</sup>
- Productivity: 40 tons/hour\*
- Configurations:
  - Truck mounted
  - Stationary electric

**OPTIMAX 950**



- Boom reach: up to: 9.1 meters
- Max. grapple capacity: 0.6m<sup>2</sup>
- Productivity: 72 tons/hour\*
- Configurations:
  - Truck mounted
  - Stationary electric

**EVOLUTION 960/970**

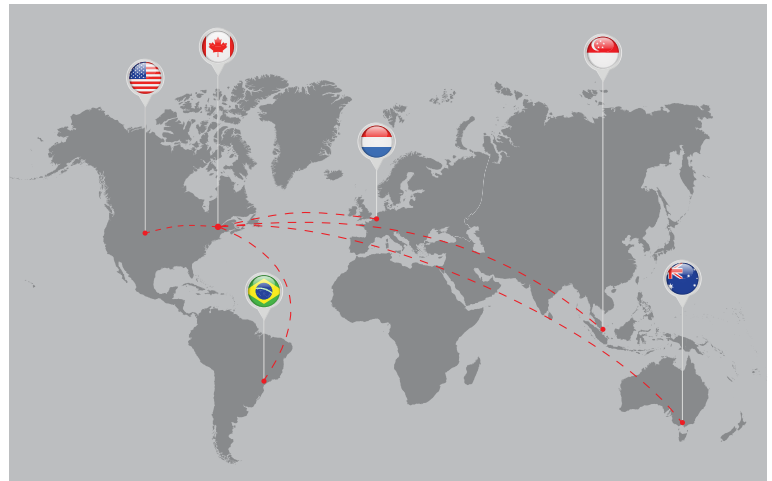


- Boom reach: up to 11 meters
- Max. grapple capacity: 1m<sup>2</sup>
- Productivity: up to 100 tons/hour\*
- Configurations:
  - Truck mounted
  - Stationary electric

**TITAN 980**



- Boom reach: up to 14 meters
- Max. grapple capacity: 1.5m<sup>2</sup>
- Productivity: up to 130 tons/hour\*
- Configuration:
  - Stationary electric



**STOCK GRAPPLES AND SPARE PARTS  
NOW AVAILABLE AT OUR  
INTERNATIONAL WAREHOUSES!**

\* Based on 30s/cycle and 1t/m<sup>3</sup> wood density.

**ROTOBEC LOCATIONS**

CANADA EAST/  
INTERNATIONAL  
Sainte Justine, QC  
T. 418.383.3002

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USA SOUTH  
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USA/CANADA WEST  
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# WASTE GRAPPLE

# ROTOBEC

TOUGH HANDLING EQUIPMENT



## THE ULTIMATE WASTE MOVING TOOL

OUT-LIFT, OUT-PERFORM, OUT-LAST.

The Rotobec Waste Grapple is up for anything. This grapple is used almost exclusively in waste material handling applications, including wood waste, as well as waste transfer stations. The extra wide jaw and elongated head structure enables operators to grab large loads, while the holes allow small debris to fall through. Each configuration is available with either a dangle rotation or one of Rotobec's incredible positioned rotations featuring bolt-on lugging. Backed by Rotobec's industry leading, 18 month/ 3,000 hour warranty and our world class service, the Waste Grapple is quite simply the world's greatest waste handling attachment.



# OUT-LIFT

The Waste Grapple comes equipped with Rotobec's own built-in-house **345 BAR CYLINDERS**. Our cylinders are the largest in the industry guaranteeing a longer than average life. They are also protected by robust 1 cm steel **CYLINDER GUARDING**.

# OUT-PERFORM

The Waste Grapple jaws feature a **BOX STYLE STRUCTURE** which provides the maximum level of strength and durability. To enhance durability further, we have incorporated an **INTERLOCKING DESIGN** on the elongated head structure and the cylinder guards.

# OUT-LAST

**MECHANICAL STOPS** have been engineered into the grapple design to protect the cylinder from over/under extension. Our positioned rotations feature a **FULLY SUPPORTED PINION GEAR** to prevent pinion bending, which will cause significant damage to your gears. The Waste Grapple also features **OVERSIZED, CHROMED AND HARDEND PINS**, which will drastically extend the life of your grapple.

## THE KING OF ROTATORS WE'RE CALLED **ROTO-BEC** FOR A REASON

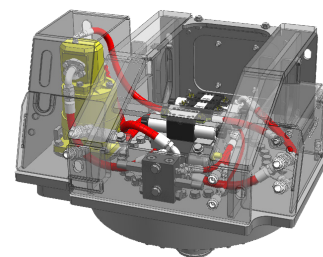
### BOLT-ON LUGGING

Rotobec is famous for many things but we got our start building the world's most advanced continuous 360° rotators. Our positioned rotators come standard with bolt-on lugging. This technology makes the installation process a breeze and allows for the attachment to be transferred easily between machines increasing the versatility of your operation.



### VALVE-ON-SWIVEL

Positioned rotators can become troublesome because of the number of channels required to simultaneously operate all of the grapples hydraulics. One way to achieve this is to add additional hydraulic components to your machine, but we have a far more effective, and far less expensive alternative. Our positioned rotators offer an integrated valve-on-swivel (VOS), which allows operators to have complete control over all movements of their grapple, without the need for adding additional hydraulics to your machine.



TECHNICAL DATA	WASTE W/ SHELL BUCKET - DANGLE						WASTE W/ SHELL BUCKET - FIX		
MODEL	RPA2030W	RPA2030W	RPA3045W	RPA3045W	RPA4570W	RPA4570W	RPA2030W	RPA3045W	RPA4570W
Rotator model	RT-222	RT-252	RT-504	RT-1004	RT-504	RT-1004	RLP-602	RLP-902	RLP-1302
Size (m³)	0.35	0.35	0.38	0.38	0.57	0.57	0.35	0.45	0.60
Excavator Size (ton)	10 - 16	10 - 16	14 - 22	14 - 22	20 - 30	20 - 30	10 - 16	14 - 22	20 - 30
Weight (kg)	510	530	839	929	1,331	1,442	748	1,072	1,646

TECHNICAL DATA	WASTE W/ RIB BUCKET - DANGLE						WASTE W/ RIB BUCKET - FIX		
MODEL	RPA2030W	RPA2030W	RPA3045W	RPA3045W	RPA4570W	RPA4570W	RPA2030W	RPA3045W	RPA4570W
Rotator model	RT-222	RT-252	RT-504	RT-1004	RT-504	RT-1004	RLP-602	RLP-902	RLP-1302
Size (m³)	0.35	0.35	0.38	0.38	0.57	0.57	0.35	0.45	0.60
Excavator Size (ton)	10 - 16	10 - 16	14 - 22	14 - 22	20 - 30	20 - 30	10 - 16	14 - 22	20 - 30
Weight (kg)	585	605	938	1,029	1,480	1,570	823	1,172	1,796

TECHNICAL DATA	RLP-ROTATIONS		RT-ROTATIONS			
MODEL	RLP-902	RLP-1302	RT-222	RT-252	RT-504	RT-1004
Capacity (kg)	40,823	58,967	9,980	11,340	22,680	45,360
Flow (LPM)	49	-	38	34	34	30
Weight (kg)	340	439	102	122	206	311

\* Each Waste Grapple has an operating pressure of 220-345 bar

### ROTOBEC LOCATIONS

CANADA EAST/  
INTERNATIONAL  
Sainte Justine, QC  
Tel: 418.383.3002

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