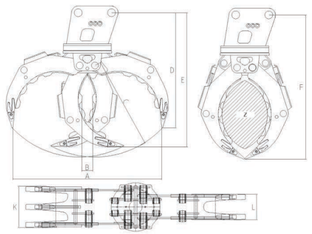
ROTATING WOOD GRAPPLE (LINK TYPE)

Product Features

- Rotates 360° clockwise and counter-clockwise.
- Equipped with specially designed swing bearing for durability and large cylinder for power.
- Wear resistant steel (AR500 & API 70) is used and requires no extra reinforcement.
- Flexible choices dependent on job requirement.
- Lever controlled operation facilitates loading and unloading of logs.
- Highly reliable and efficient.







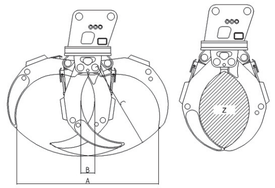
Model		Unit	RWG03	RWG04	RWG06	RWG07	RWG08	RWG09	RWG10	RWG12	RWG16	RWG20
Weight		lb	750	915	1,543	1,587	2,502	2,557	3,472	3,516	4,850	5,313
Jaw Opening		in/in.	51	55	71	71	79	79	87	91	98	106
A		in/in.	51	55	71	71	79	79	87	91	98	106
B		in/in.	5	6	7	7	7.5	7.5	8	8.3	8.7	9.5
C		in/in.	33	38	44	44	52	52	57	57	64	70
D		in/in.	39	44	56	56	65	65	71	71	80	84
E		in/in.	46	51	65	65	75	75	81	83	92	98
F		in/in.	49	54	69	69	79	79	86	88	98	104
K		in/in.	14	14	18	18	24	24	28	28	28	30
L		in/in.	9.5	10	12	12	14	14	16.5	16.5	16.5	17
Z		in^2	372	419	744	744	961	961	1,163	1,163	1,581	1,814
Pincer	Operating Pressure	psi	2,465-3,626	2,756-4,061	2,901-5,076	2,901-5,076	3,191-5,076	3,191-5,076	3,191-5,076	3,191-5,076	3,191-5,076	3,191-5,076
	Required Oil Flow	gpm	11-16	11-16	24-30	24-30	26-48	26-48	32-53	32-53	32-53	32-53
	Recommended Pressure	psi	3,045	3,045	3,626	3,626	3,626	3,626	3,626	3,626	3,626	3,626
Rotating	Operating Pressure	psi	1,885-2,176	1,885-2,176	2,031-2,321	2,031-2,321	2,176-2,466	2,176-2,466	2,176-2,466	2,176-2,466	2,176-2,466	2,176-2,466
	Required Oil Flow	gpm	8-13	8-13	11-16	11-16	11-16	11-16	11-16	11-16	11-16	11-16
Closing Force		lb	44,000	56,000	100,000	100,000	134,000	134,000	158,000	158,000	186,000	186,000
Load Capacity		lb	2,200	2,200	13,228	13,228	13,228	13,228	22,046	22,046	36,376	39,683
Applicable Carrier		lb	8,960-11,200	13,440-22,400	24,640-40,320	24,640-40,320	44,800-53,760	44,800-53,760	58,240-67,200	58,240-67,200	82,880-100,800	89,600-112,000
		ton	4-5	6-10	11-18	11-18	20-24	20-24	26-30	26-30	37-45	40-50

*Specification and features are subject to change without prior notice for improvement in quality.

FIXED WOOD GRAPPLE

Product Features

- Equipped with specially designed swing bearing for durability and large cylinder for power.
- Wear resistant steel (AR500 & API 70) is used and requires no extra reinforcement.
- Lever controlled operation facilitates loading and unloading of logs.
- Ideal for Landscaping, Stone Layering, Demolition and others.
- Highly reliable and efficient.







Model	Unit	RFW03	RFW04	RFW06	RFW07	RFW08	RFW09	RFW10	RFW12	RFW16	RFW20
Weight	lb	750	915	1,543	1,587	2,502	2,557	3,472	3,516	4,850	5,313
Jaw Opening	in/in.	51	55	71	71	79	83	87	91	98	106
A	in/in.	51	55	71	75	79	79	87	91	98	106
B	in/in.	5	6	7	7	7.5	7.5	8	8.3	8.7	9.5
C	in/in.	33	38	44	47	52	52	57	57	64	70
Z	in^2	372	419	744	822	961	1,116	1,163	1,163	1,581	1,814
Operating Pressure	psi	2,465-3,626	2,756-4,061	2,901-5,076	2,901-5,076	3,191-5,076	3,191-5,076	3,191-5,076	3,191-5,076	3,191-5,076	3,191-5,076
Required Oil Flow	gpm	11-16	11-16	24-30	24-30	26-48	26-48	32-53	32-53	32-53	32-53
Recommended Pressure	psi	3,045	3,045	3,626	3,626	3,626	3,626	3,626	3,626	3,626	3,626
Closing Force	lb	44,000	56,000	100,000	100,000	134,000	134,000	158,000	158,000	186,000	186,000
Load Capacity	lb	2,200	2,200	13,228	13,228	13,228	13,228	22,046	22,046	36,376	39,683
Applicable Carrier	lb	8,960-11,200	13,440-22,400	24,640-40,320	24,640-40,320	44,800-53,760	44,800-53,760	58,240-67,200	58,240-67,200	82,880-100,800	89,600-112,000
	ton	4-5	6-10	11-18	11-18	20-24	20-24	26-30	26-30	37-45	40-50

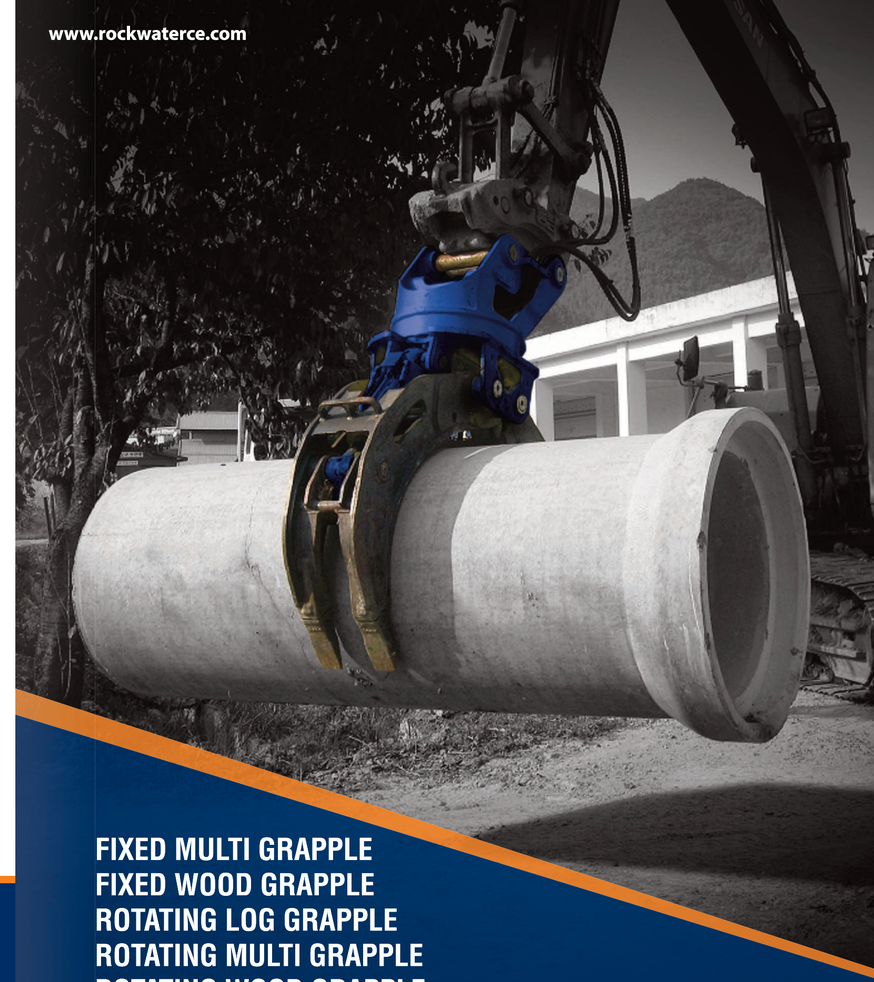
*Specification and features are subject to change without prior notice for improvement in quality.

ROCKWATER CONSTRUCTION EQUIPMENT

Address : 1191 N. Patt St., Anaheim, CA 92801
Phone : (714) 879-5919 **Fax :** (714) 879-9149
E-mail : sales@rockwaterce.com
www.rockwaterce.com

For sales and service, contact your Rockwater/ CB Dealer:

www.rockwaterce.com



FIXED MULTI GRAPPLE
FIXED WOOD GRAPPLE
ROTATING LOG GRAPPLE
ROTATING MULTI GRAPPLE
ROTATING WOOD GRAPPLE

ROCKWATER GRAPPLE-SERIES

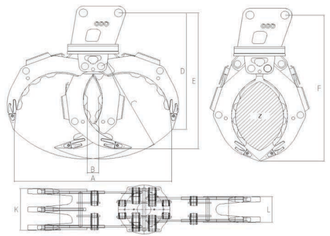
ROCKWATER CONSTRUCTION EQUIPMENT

ROTATING MULTI GRAPPLE (LINK TYPE)

Product Features

- Rotates 360° clockwise and counter-clockwise.
- Large cylinder with unique construction generating high power.
- Specially designed swing bearing for durability.
- Wear resistant special solid steel (API 70 & AR500) is used and requires no extra reinforcement.
- For loading scrap, garbage, demolition debris and waste paper.
- Superb performance and reliance in industries of Forestry, Recycling, Landscaping and General Contracting.







Model		Unit	RMG03	RMG04	RMG06	RMG08	RMG10	RMG12	RMG16	RMG20
Weight		lb	816	977	1,678	2,723	3,715	3,748	5,300	5,677
Jaw Opening		in/in.	51	55	71	79	87	91	98	106
A		in/in.	51	55	71	79	87	91	98	106
B		in/in.	3	4	5	6	8	9	10	12
C		in/in.	34	35	44	51	57	58	64	70
D		in/in.	40	44	55	64	70	70	80	84
E		in/in.	47	51	64	74	81	82	92	97
F		in/in.	49	54	69	79	86	87	98	103
K		in/in.	16	16	20	24	28	28	30	32
L		in/in.	10	10	12	16	18	18	18	20
Z		in^2	279	279	527	697	914	961	1,209	1,472
Pincer	Operating Pressure	psi	2,465-3,626	2,756-4,061	2,900-5,076	3,190-5,076	3,190-5,076	3,190-5,076	3,190-5,076	3,190-5,076
	Required Oil Flow	gpm	11-16	11-16	24-30	26-48	32-53	32-53	32-53	32-53
	Recommended Pressure	psi	3,045	3,045	3,045	3,045	3,045	3,045	3,045	3,045
Rotating	Operating Pressure	psi	1,885-2,175	1,885-2,175	2,030-2,320	2,175-2,465	2,175-2,465	2,175-2,465	2,175-2,465	2,175-2,465
	Required Oil Flow	gpm	8-13	8-13	11-16	11-16	11-16	11-16	11-16	11-16
Closing Force		lb	49,280	62,720	112,000	150,080	176,960	176,960	208,320	208,320
Load Capacity		lb	2,200	2,200	13,228	13,228	22,046	29,762	36,376	39,683
Applicable Carrier		lb	8,960-11,200	13,440-22,400	24,640-40,320	44,800-53,760	58,240-67,200	73,920-80,640	82,880-100,800	89,600-112,000
		ton	4-5	6-10	11-18	20-24	26-30	33-36	37-45	40-50

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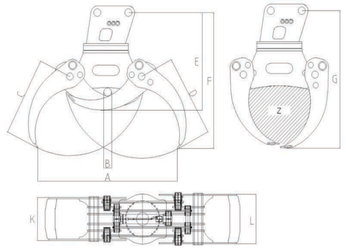
ROTATING LOG GRAPPLE (LINK TYPE)

Product Features

- Very wide and flexible grabbing range.
- Various types of log can be handled: timber, log, wood, etc.
- Ideal for sorting, loading, unloading and laying.







Model		Unit	RLG03	RLG04	RLG06	RLG07	RLG08	RLG09	RLG10	RLG12	RLG16	RLG20
Weight		lb	904	1,113	1,841	1,885	2,723	2,778	3,781	4,001	5,379	5,820
Jaw Opening		in/in.	51	55	71	71	79	79	87	91	98	106
A		in/in.	51	55	71	71	79	79	87	91	98	106
B		in/in.	3	3	4	4	4	4	5	5	6	6
C		in/in.	28	30	38	38	42	42	47	49	53	57
D		in/in.	29	31	39	39	44	44	48	50	55	59
E		in/in.	32	37	47	47	52	52	56	57	63	64
F		in/in.	45	51	65	65	73	73	78	80	88	93
G		in/in.	46	52	66	66	73	73	80	82	90	94
K		in/in.	17	18	21	21	24	24	29	29	34	34
L		in/in.	19	20	24	24	28	28	33	33	39	39
Z		in^2	372	419	651	651	1,039	1,039	1,256	1,364	1,612	1,659
Pincer	Operating Pressure	psi	2,465-3,626	2,756-4,061	2,901-5,076	2,901-5,076	3,191-5,076	3,191-5,076	3,191-5,076	3,191-5,076	3,191-5,076	3,191-5,076
	Required Oil Flow	gpm	11-16	11-16	24-30	24-30	26-48	26-48	32-53	32-53	32-53	32-53
	Recommended Pressure	psi	3,045	3,045	3,626	3,626	3,626	3,626	3,626	3,626	3,626	3,626
Rotating	Operating Pressure	psi	1,885-2,176	1,885-2,176	2,031-2,321	2,031-2,321	2,176-2,466	2,176-2,466	2,176-2,466	2,176-2,466	2,176-2,466	2,176-2,466
	Required Oil Flow	gpm	8-13	8-13	11-16	11-16	11-16	11-16	11-16	11-16	11-16	11-16
Closing Force		lb	22,000	28,000	50,000	50,000	67,000	67,000	79,000	79,000	93,000	93,000
Load Capacity		lb	2,200	2,200	13,228	13,228	13,228	13,228	22,046	29,762	36,376	39,683
Applicable Carrier		lb	8,960-11,200	13,440-22,400	24,640-40,320	24,640-40,320	44,800-53,760	44,800-53,760	58,240-67,200	66,000-72,000	82,880-100,800	89,600-112,000
		ton	4-5	6-10	11-18	11-18	20-24	20-24	26-30	33-36	37-45	40-50

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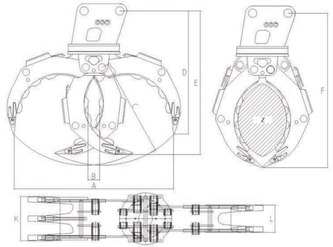
FIXED MULTI GRAPPLE

Product Features

- Optimal for landscaping, stone layering, demolition and other jobs.
- Superb performance and reliability.
- High durability and easy maintenance.







Model		Unit	RFG03	RFG04	RFG06	RFG07	RFG08	RFG09	RFG10	RFG12	RFG16	RFG20
Weight		lb	719	840	1,448	1,537	2,416	2,482	3,309	3,419	4,797	5,183
Jaw Opening		in/in.	51	55	71	71	79	79	87	91	98	106
A		in/in.	51	55	71	71	79	79	87	91	98	106
B		in/in.	3	4	5	5	6	6	8	9	10	12
C		in/in.	34	35	44	44	51	51	57	58	64	70
D		in/in.	38	41	52	52	61	61	67	67	76	80
E		in/in.	45	49	61	61	70	70	77	79	89	93
F		in/in.	47	52	66	66	75	75	83	84	94	99
K		in/in.	16	16	20	20	24	24	28	28	30	32
L		in/in.	10	10	12	12	16	16	18	18	18	20
Z		in^2	279	279	527	527	697	697	914	961	1,209	1,472
Pincer	Operating Pressure	psi	2,465-3,626	2,756-4,061	2,900-5,076	2,900-5,076	3,190-5,076	3,190-5,076	3,190-5,076	3,190-5,076	3,190-5,076	3,190-5,076
	Required Oil Flow	gpm	11-16	11-16	24-30	24-30	26-48	26-48	32-53	32-53	32-53	32-53
	Recommended Pressure	psi	3,045	3,045	3,045	3,045	3,045	3,045	3,045	3,045	3,045	3,045
Closing Force		lb	49,280	62,720	112,000	112,000	150,080	150,080	176,960	176,960	208,320	208,320
Load Capacity		lb	2,200	2,200	13,228	13,228	13,228	13,228	22,046	29,762	36,376	39,683
Applicable Carrier		lb	8,960-11,200	13,440-22,400	24,640-40,320	24,640-40,320	44,800-53,760	44,800-53,760	58,240-67,200	73,920-80,640	82,880-100,800	89,600-112,000
		ton	4-5	6-10	11-18	11-18	20-24	20-24	26-30	33-36	37-45	40-50

*Specification and features are subject to change without prior notice for improvement in quality.