



Cat[®] Clamshell Grapples

CTV15, CTV20, CTV30, and CTV40

Cat[®] Clamshell Grapples help you get high production for transfer applications. Move more material with fast opening and closing for short cycle times. The heavy-duty construction and low maintenance of the tool keeps it working longer, helping you to save time and money.

Not all attachments are available in all regions. Consult your Cat dealer for specific configurations available in your region.

Powerful Performance

- With up to 10 percent higher fill capacity compared to other available clamshell grapples, you can transfer large volumes of loose material such as grains, coal, sand, and gravel.
- Move production-sized loads with the wide shell opening for bulk material.
- The powerful closing force of the grapple shells combined with fast opening and closing time helps you shorten your cycle times and stay on task to move more tons per hour. The grapple shells are timed to close at the same time regardless of the resistance on each shell.
- Cat machines are pre-programmed with optimum performance settings for your grapple to maximize the pairing and efficiency of the machine and grapple.

Long-lasting, Durable

- The cylinder hoses are internally fitted in the structure with two removable maintenance panels to help provide optimal protection while working.
- High quality and wear resistant materials are used, especially in the shells.
- Pivot points equipped with dust seals and sleeve bearings will help to enhance product life.
- Equipped with snubbers, the two high quality cylinders cushion the opening movement of the shells to handle hydraulic pressures up to 5,076 psi (35 000 kPa) and allow for smoother operation with less vibrations in the cab.
- Two lifting hooks come standard. They are placed on both sides of the tool, which helps you to lower small machines into the cargo bay of ships to finish the job without the need to switch attachments or machines.

Options to Meet Your Needs

- With a wide range of clamshell grapples, they are fitted for many sizes of excavators and material handlers. The large capacity of material ranges from 1.25 yd³ (1.00 m³) to 8.00 yd³ (6.10 m³).
- Bolt-on cutting edge option for the shell will help enhance product life and work better for more abrasive materials.
- Bolt-on cutting edges offer scrapers improved dumping of sticky material in more difficult jobs.

Easy to Maintain

- Improved dust seals help to lock out contaminants to keep your tool working longer.
- The shells are made from high-quality steel materials to withstand more jobs, as well as the bolt-on cutting edges.
- Ground level access to all grease points and removable panels help make grapple maintenance simple.

Boost Efficiency and Productivity with Integrated Technologies

- Never waste time looking for your attachments again. Cat asset tracking is available on select attachments.
- Track your entire fleet of attachments and machines from one source. Attachments with asset tracking can be viewed within VisionLink[®] alongside Product Link[™] subscribed equipment.
- Keep your assets secure. Attachments with an asset tracker send an alert if they leave an easy-to-setup site boundary.
- Utilizing Cat Payload for excavators, you can achieve precise load targets and increase loading efficiency with on-the-go weighing and real-time estimates of your payload without swinging.



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Specifications									
Model	Capacity		Bolt-On Cutting Edge Included (Yes/No)	Operating Weight		Recommended Weight Excavator		Recommended Weight Material Handler	
	(L)	(yd³)		(kg)	(lb)	Min. Tons	Max. Tons	Min. Tons	Max. Tons
CTV15	1000	1.25	No	1305	2,877	15	25	20	35
	1200	1.50	No	1385	3,053	15	25	20	35
	1500	2.00	No	1505	3,318	15	25	20	35
	1700	2.25	No	1586	3,497	15	25	20	35
	1900	2.50	No	1666	3,673	15	25	20	35
	2300	3.00	No	1827	4,028	15	25	20	35
	1900	2.50	Yes	1841	4,059	15	25	20	35
CTV20	1300	1.75	No	1766	3,893	20	35	30	45
	1500	2.00	No	1835	4,045	20	35	30	45
	1700	2.25	No	1896	4,180	20	35	30	45
	1900	2.50	No	1959	4,319	20	35	30	45
	2300	3.00	No	2110	4,652	20	35	30	45
	2700	3.50	No	2238	4,934	20	35	30	45
	1500	2.00	Yes	2032	4,480	20	35	30	45
	2300	3.00	Yes	2360	5,203	20	35	30	45
CTV30	1700	2.25	No	2484	5,476	30	45	40	65
	1900	2.50	No	2544	5,609	30	45	40	65
	2300	3.00	No	2684	5,917	30	45	40	65
	2700	3.50	No	2834	6,248	30	45	40	65
	2900	3.75	No	2884	6,358	30	45	40	65
	3100	4.00	No	2959	6,523	30	45	40	65
	3800	5.00	No	2998	6,609	30	45	40	65
	1900	2.50	Yes	2812	6,199	30	45	40	65
	2300	3.00	Yes	2966	6,539	30	45	40	65
	2500	3.25	Yes	3064	6,755	30	45	40	65
	2700	3.50	Yes	3154	6,953	30	45	40	65
	3400	4.50	Yes	3205	7,066	30	45	40	65
CTV40	3800	5.00	Yes	3328	7,337	30	45	40	65
	3500	4.50	No	4087	9,010	40	65	65	90
	4000	5.25	No	4312	9,506	40	65	65	90
	4500	5.75	No	4451	9,813	40	65	65	90
	5000	6.50	No	4634	10,216	40	65	65	90
	6100	8.00	No	4697	10,355	40	65	65	90
	3800	5.00	Yes	4688	10,335	40	65	65	90
	4600	6.00	Yes	5040	11,111	40	65	65	90
	5000	6.50	Yes	5209	11,484	40	65	65	90
	5400	7.00	Yes	5001	11,025	40	65	65	90
	6100	8.00	Yes	5427	11,964	40	65	65	90

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com.

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