

Cat® Hydraulic Connecting S Type

Excavator Couplers

Cat® Hydraulic Connecting S Type Couplers connect to your machine's hydraulics and electronics giving you the ability to pick up an attachment with full functionality in seconds without leaving the cab. These couplers deliver the productivity and versatility benefits you expect from a coupler. Additionally, they bring safety to your people, equipment, and overall operation while increasing the life of the other attachments in your fleet.

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

Better Hydraulic Flow

- Couplings are machined and sized for the high-flow performance required by hydromechanical attachments.
- Better hydraulic flow results in fuel efficiency gains from reduced back pressure.
- Enclosed spring prevents contamination of hydraulic system.
- Durable and reliable fluid connections create a system for hydraulic fluid flow and no opportunity for spills during tool exchange.
- Internally routed hoses in the bracket and coupler use fewer external hoses, reducing overall hose and repair costs.

Change Attachments Faster

- Changing attachments with hydraulic connecting couplers is 98% faster than pin-on.
- Using hydraulic connect couplers instead of mechanical couplers saves 96% time in changing attachments.
- Quick disconnect design improves lifespan and is easy to service.
- Design of cover lid and sealing adds protection for couplings and prevents contamination to hydraulic system.
- Machined position of the quick disconnect valves on the tool and on the bracket ensure a tight and reliable connection limiting chance of leaks or damage.
- Quick disconnect couplings are installed in the same direction as the locking force with a solid flange to ensure a solid fit. No locking rings or nuts which increase the chances of loose or broken parts.

Industry-leading Safety

- Industry-leading safety features in sensor technology.
- Safe coupler locking complies with updated European EN474 safety standard.
- Keep everyone on the job site safer. The operator stays safe in the cab and no assistance is required to connect or disconnect hydraulic hoses during attachment changes.
- Multiple electronic and mechanical measures in place to keep attachment secure, even if a pressure loss occurs.
- Operator has visual and audible confirmations from inside the cab of successful attachment connection.
- Heavy-duty locking wedge design keeps connections tight and in place during use.

Additional Versatility

- Attachment switching with a hydraulic connect coupler:
  - Quick changes mean operators will utilize task and application appropriate attachments, increasing overall productivity and extending the life of the attachments.
  - The ability to exchange attachments easily can reduce the number of machines needed for a job.
  - Fast attachment changes with the hydraulic connecting interface will save time over hydraulic, mechanical couplers or pin-on attachments.
- Electric connector allows for full functionality when working in combination with tiltrotators, ditch cleaning tilt buckets, and mulchers or other attachments with electronic harnesses for grade sensors or tool functions.
- Each coupler comes standard with a lifting hook with 5-, 8- or 10-ton lift capacity depending on the size class.

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Specifications									
			Carrier Weight, Maximum	Permitted Positive Torque	Permitted Negative Torque	Weight		Lift Hook Capacity	
Model	Part No.	Linkage	ton	kN·m	kN·m	kg	lb	ton	lb
HCS60	676-8836	312	19	165	108	155	342	5	10,000
	678-7477	316	19	165	108	177	390	5	10,000
HCS65	678-7571	312	20	240	156	197	434	5	10,000
	678-7573	316	20	240	156	219	483	5	10,000
HCS70	678-7481	312	30	300	195	283	624	5	10,000
	678-7483	316	30	300	195	278	613	5	10,000
	676-8835	B/M320	30	300	195	309	681	8	16,000
	678-7478	CB	30	300	195	332	732	8	16,000
	678-7579	UHD	30	300	195	390	860	8	16,000
HCS70/55	678-7574	316	30	350	228	313	690	5	10,000
	678-7575	B/M320	30	350	228	339	747	8	16,000
	678-7577	CB	30	350	228	358	789	8	16,000
	678-7583	UHD	30	350	228	356	785	8	16,000
HCS80	678-7484	B	40	500	325	399	880	8	16,000
	678-7479	CB	40	500	325	425	937	10	20,000
	676-8838	DB	40	500	325	459	1,012	10	20,000
	678-7581	UHD	40	500	325	417	919	10	20,000

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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See your Cat dealer for available options.

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