Auto-Connect / Machine Compatibility

Model	Linkage	Hydraulic Excavators *	
CWAC-40	_	M315D / M316D	
CWAC-40	_	M318D / M322D	
CWAC-40	_	315D / 316E / 318E	
CWAC-40	_	319D	
CWAC-40	В	320D / 320E / 321D /323D/ 323E	

^{*} Please contact your Caterpillar dealer for couplers for non-current and/or special Cat machines.



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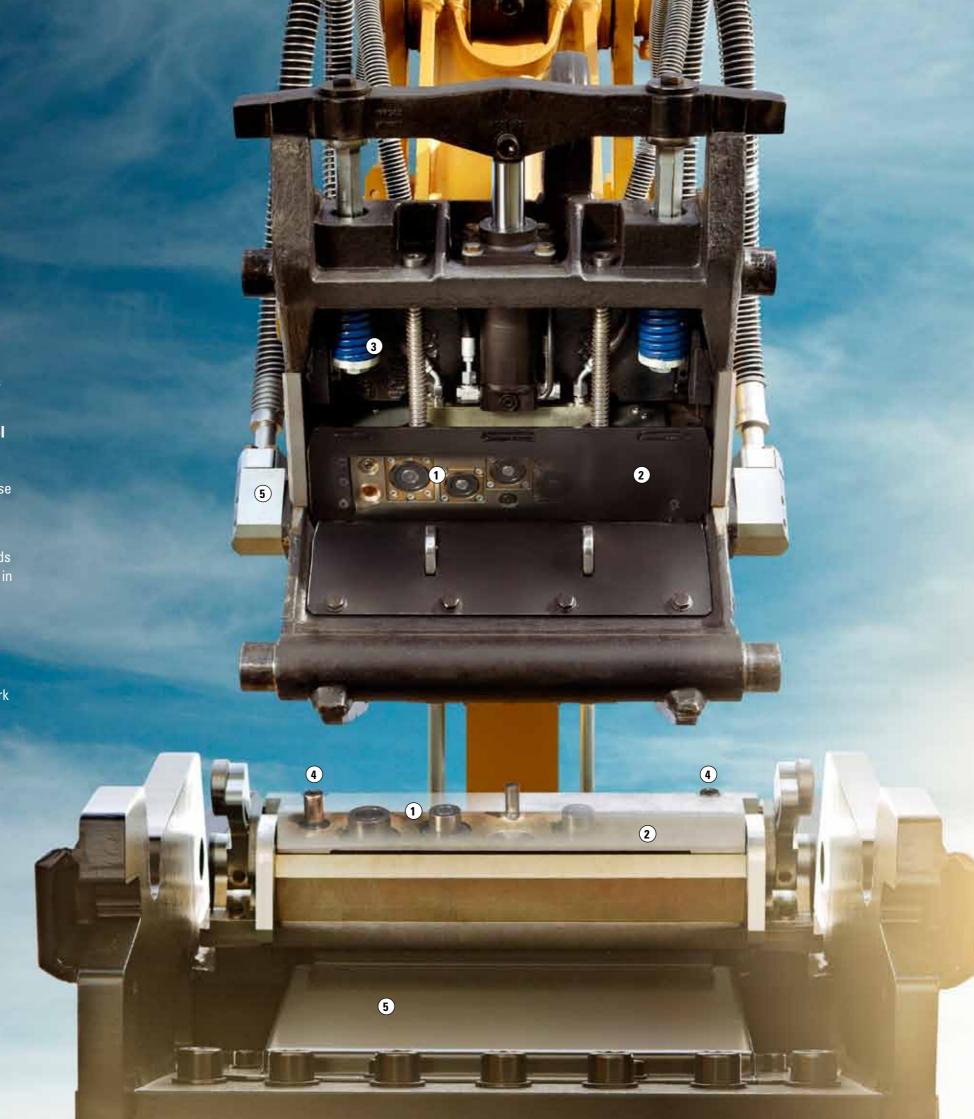


CONNECT reliably

Auto-Connect is an integrated solution containing a host of features that ensure absolute reliability in the field.

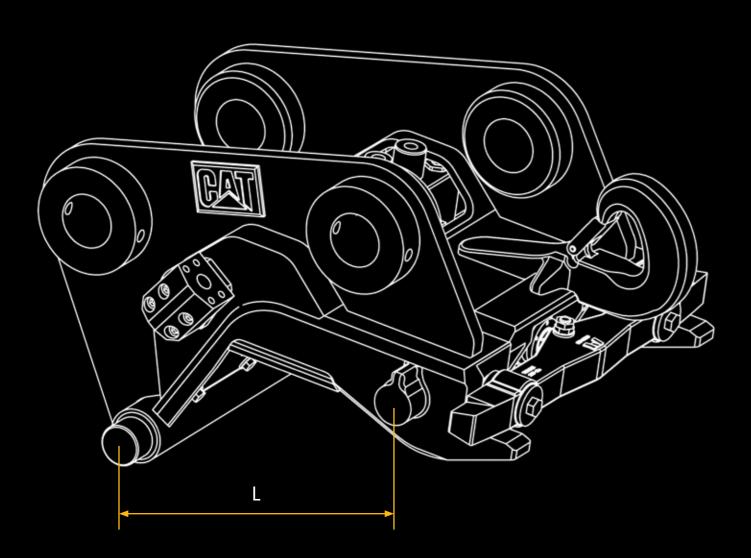
- Two-step connection Simply hooking up the coupler immediately activates the wedge-lock, forming a tight mechanical connection. Only then is the hydraulic connection made automatically. When disconnecting, the situation is reversed with the hydraulic fluid connectors being the first to disengage. This unique two-step procedure keeps the connecting forces low, preventing damage to sensitive hydraulic components, as well as eliminating fluid loss. Hydro-mechanical switches are used to ensure that the procedure is correctly sequenced.
- Full Contamination Control on both Quick Coupler and Work Tool
 A sliding cover keeps any dust and debris away from the hydraulic area, protecting the fluid connectors when not in use. Seals on both the Quick Coupler and the work tool cover have been included to close the gap with the cartridges, ensuring full contamination control.
- 3 Fail-safe operation Even if hydraulic pressure is lost, the wedge will remain locked by the coil springs that retract it. If the circuit needs to be disconnected, the fluid connectors can be uncoupled manually in just a few seconds.
- 4 Precise alignment Robust guiding pins align the Quick Coupler and work tool before the fluid connectors are engaged. A unique secondary alignment system secures the coupling.
- 5 Internally routed hoses Hydraulic hoses are routed inside the work tool housing, greatly reducing the likelihood of a hose rupture during operation. The hose routing alongside the linkage idler also helps protect against hose rupture. Together, these design features reduce both machine downtime and oil spills into the environment.

PROCESS FOR ABSOLUTE RELIABILITY





CONNECT with the right spec



Specifications

		CWAC-40
Weight (approx.)	kg	340
QC-pins (A)	mm	60
Width (B)	mm	550
Length (L)	mm	475
Hoisting-Hook	t	10
Total Fluidconnectings	-	5
Hose couplings High flow	-	2x 1"
Hose couplings Medium flow	-	2x 1/2"
Hose couplings Extra / Drain	-	1x 1/2"

CWAC-40 is interchangeable with CW-30 and CW-40.

Please note that the coupler and the tools have to match the correct carrier.

Auto-Connect High and Medium flow performance

The design of the Auto-Connect has been such that back pressure is kept at a minimum. Back pressure occurs when hydraulic fluid flows through the system, causing a build-up of pressure backward through the lines and valves.

By keeping the back pressure low, hydraulic work tools in use will perform at the highest level. This will benefit the worktool productivity and lower machine fuel consumption and is especially beneficial for hammers as their blow rate will be as high and efficient as possible.

