



 **INDUSTRY & MATERIAL HANDLING**

Automatic quick coupler system for industrial and material-handling machinery

OQL - For wheel loaders

OQT - For forklift trucks

OQC - Material handling

A detailed close-up photograph of a wheel loader's quick coupler system. The system is a complex assembly of grey metal components, including a large horizontal cylinder, various brackets, and hydraulic cylinders. It is mounted on the loader's boom. The background shows the white body of the loader and its large, treaded tires.

**IMPROVE
YOUR
MACHINE
BE BETTER**



OQL

Automatic quick-coupling system
for wheel loaders



CHANGE TOOLS IN SECONDS!

OQL is a quick coupler system for loaders that allows hydraulic tools to be connected directly from the cab. The operator can quickly and safely switch between different types of tools, such as timber grapples, pallet forks and road sweepers. This ensures that the correct tool is used for each task.

QUICK AND EFFICIENT

With the OilQuick quick coupler system, the loader can switch between different mechanical and hydraulic tools directly from the cab in just seconds. This ensures that the right tool is used for every task, improving both efficiency and productivity.

INCREASED PROFITABILITY

Quick tool changes and efficient use of the loader increase productivity. Experience has shown that OilQuick pays for itself with just 2–3 hydraulic tool changes per working day. In many cases, OilQuick also makes it possible to reduce the number of loaders required.

CONVENIENT AND OPERATOR-FRIENDLY

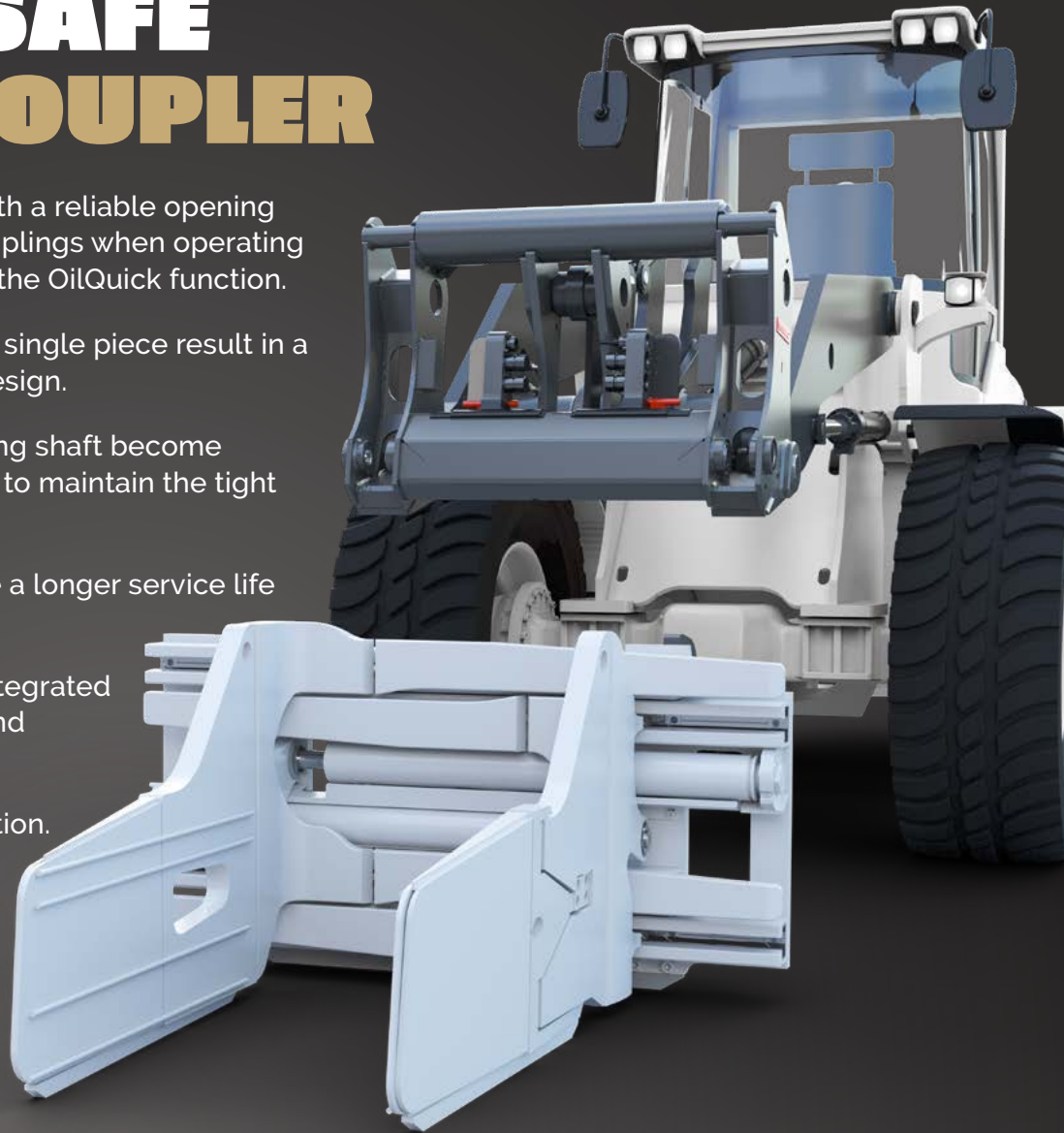
As all tool changes and hose connections are carried out automatically, the operator does not need to leave the cab. No need to handle oily quick couplings or make unnecessary trips in and out of the cab, reducing the risk of injury. With OilQuick, hydraulic tools can easily be changed even in pouring rain or snowstorms.

SAFE QUICK COUPLER SYSTEM

OilQuick offers one of the safest quick coupler systems on the market, equipped with safety functions such as shock valves in the locking cylinder.

FAST & SAFE QUICK COUPLER

- » Sturdy protective covers with a reliable opening mechanism protect the couplings when operating with tools that do not have the OilQuick function.
- » Link arms machined from a single piece result in a more robust and reliable design.
- » If the bushings on the locking shaft become worn, they can be replaced to maintain the tight tolerances.
- » Hardened hook pins ensure a longer service life and minimise play.
- » Hydraulic couplings with integrated control simplify servicing and replacement.
- » Compact electrical connection.



TECHNICAL DATA

Model	OQL 310-1	OQL 310-2	OQL 310-3	OQL 410
Weight approx.	270 kg	350 kg	430 kg	630 kg
Width	1171 mm	1191 mm	1191 mm	1312 mm
Working pressure	350 bar	350 bar	350 bar	350 bar
Max. number of quick couplings	6	6	6	6
1/2" (max. 70 L/min)	2*	2*	2*	2*
3/4" (max. 140 L/min)	4	4	4	4
10-pin electrical connection (optional)	Left-hand side	Left-hand side	Left-hand side	Left-hand side
Machine weight	6-10 t	10-14 t	12-20 t	20-33 t
Suitable for Volvo models	L50	L60	L70-L120	L150-L220

* When an electrical connection is used, a 1/2" quick coupling is used instead.

ADAPTERS FOR ALL TOOLS

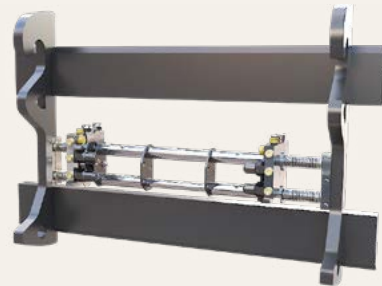
We offer solutions for all types of tools – hydraulic, electric and mechanical – for both small and large machines.

No two machine fleets are alike – but the OilQuick principle always works. Whatever your equipment, you'll find the right adapter for every tool in our range, allowing you to work more comfortably, efficiently and safely.



Hydraulic tool frame

Welded frame for hydraulic tools.



ISO Adapter

ISO-compliant welding frame for hydraulic tools.





OQC

Automatic quick coupler system
for material handlers

SAFE CHANGES OF SUSPENDED TOOLS

OQC is a quick coupler system for pendulum-suspended tools, designed for material-handling machines and loading cranes.

The system enables secure tool and unrestricted 360° rotation directly on the machine's boom. This provides controlled and flexible handling when working with articulated tools.

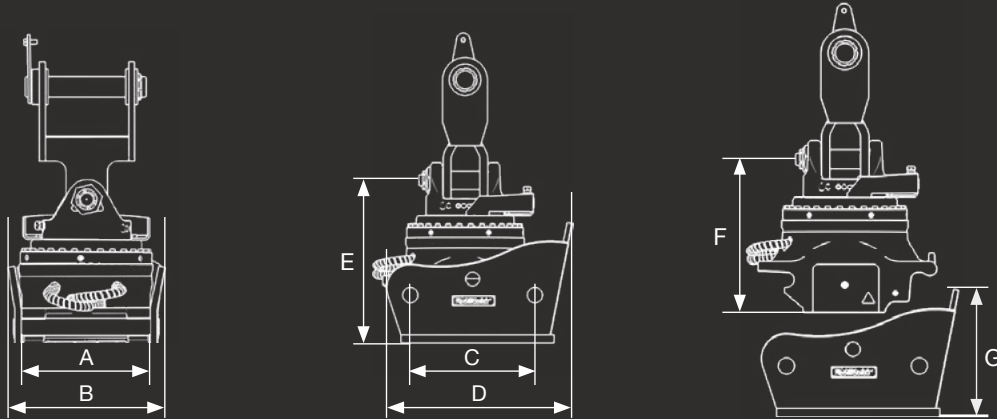
The design consists of a robust rotor mounted above the fully hydraulic quick coupler. The unit is mounted on a swing arm on the machine's boom. An electric swivel is fitted as standard, enabling the use of a magnetic plate.

- » Quick and easy changes of hydraulic, mechanical and electrical tools directly from the cab.
- » Maximum profitability and flexibility through efficient use of the machine.
- » Supplied with OQLS – a user-friendly operator support system for safe tool changes.



TECHNICAL DATA

Model	Rotator	Dimensions (mm)							Weight (kg)			Max. lifting capacity
		A	B	C	D	E	F	G	Mount	Rotor	Adapter plate	
OQC65	XR400	441	602	530	802	690	635	504	225	250	213	20 t
OQC70/55	XR600	551	754	600	932	750	697	631	370	320	344	30 t
OQC90	RT1204	751	1022	750	1214	1516	1343	818	680	720	LD 860	54 t
	RT1504	751	1022	750	1214	1485	1312	818	680	880	HD 960	68 t



Model	Maximum number of connections				Electrical connections		Max. working pressure
	1"	3/4"	1/2"	1/4" 3/8"	High-voltage current 100 A	Control voltage 24 V, 10-pin	
OQC65	-	3	-	-	Option	Option	350 bar
OQC70/55	2	1	-	-	Option	Option	350 bar
OQC90	4	1	3	1	Option	Option	345 bar

Weights shown exclude the grab suspension.

We reserve the right to make technical changes.

SYSTEM SOLUTION



ACCESSORIES AND OPTIONS



HIGH POWER CONNECTOR

The quick coupler system can be fitted with a high-current connection that enables the rapid connection of magnets for material handling, with a capacity of up to 100 A. Available as an option for all fastener sizes.



LUBRICATION CONNECTOR

A coupling for optimum lubrication of tools. The integrated grease return channel directs the grease back when lubricated tools are disconnected, thereby preventing the overflow valve from activating. Available as an option for all mounting sizes.

SAFE TOOL CHANGES WITH OQ-LOCKSUPPORT

LockSupport is a user-friendly operator support system that enhances safety during tool changes on material handlers and is compatible with all sizes of OilQuick's fully automatic quick couplers.

Many modern material handlers are equipped with hydraulic quick-couplers and switch between different tools several times a day. Every change involves a risk – dropped or swinging tools can cause serious injury or death. The cause is often operator-related and may be due to work-related stress, varying and non-standardised control systems, and uncertainty regarding the position of the tool mount and the locking pins.

OQLS addresses these challenges and provides the operator with reliable support to make the right decisions when changing tools.

BENEFITS OF OQLS

- » A controlled and guided engagement process – guiding the operator via the control panel.
- » Sensor monitoring of the rear tool shaft and locking pin.
- » Log of all events, with the 32 most recent listed in chronological order.
- » Automatic activation of the machine's hydraulics.



The OQLS is operated via the display supplied. It comes with a pressure display as standard.





OQC40M

Automatic quick coupler system
for loading cranes



FLEXIBILITY FOR MODERN TRUCK CRANES

The OQC 40M is a complete quick coupler system for truck-mounted cranes that streamlines tool changes, minimises downtime and broadens the crane's range of applications.

With a simple movement, the operator can switch between mechanical and hydraulic tools – directly from the cab. Tools such as grab buckets, pallet forks and timber grapples, among others, can be fitted in a matter of seconds and are ready for use.

The locking mechanism utilises the crane's existing hydraulic line. Using the integrated directional control valve, the operator can switch seamlessly between tool function and locking, ensuring safe and efficient operation. When the tool is locked in place, the hydraulics are engaged automatically. There is no need for manual handling of hoses and

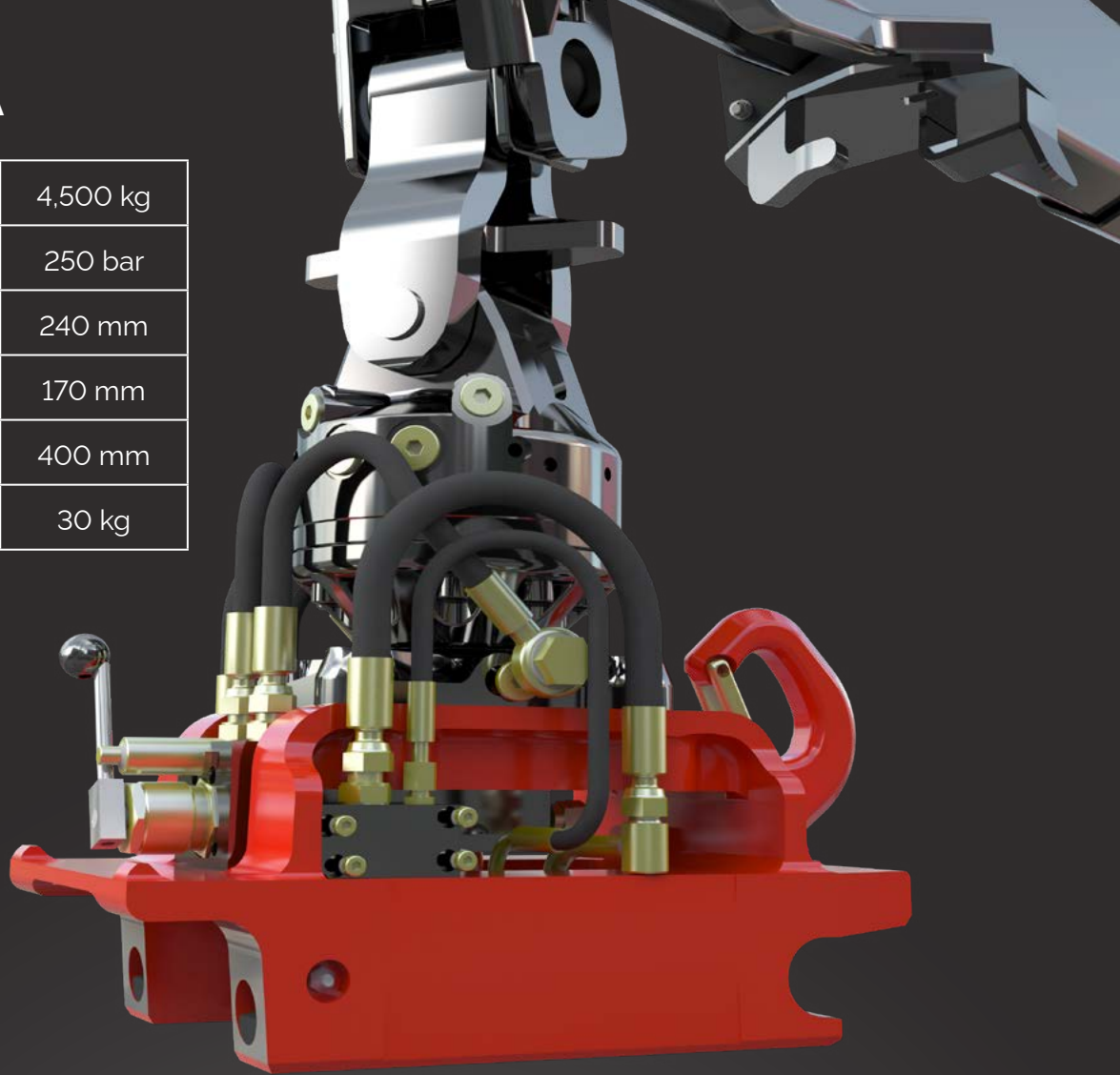
quick couplings, which saves time and improves the working environment. Parking supports are available as an option.

There are three types of tool mountings: for mechanical and hydraulic tools, and with an integrated hook. The hook mounting can handle loads of up to 4.5 tonnes, and for loads under 3 tonnes, the integrated hook on the quick coupler can be used.

The tool adapter is fitted with safety catches to prevent accidental release.

TECHNICAL DATA

Max. lifting capacity	4,500 kg
Max. working pressure	250 bar
Width	240 mm
Height (w/o rotator)	170 mm
Length	400 mm
Weight (w/o rotator)	30 kg



Type	Height	Width	Weight	Length	Total height (not connected)	Total height (connected)
Mechanical	250 mm	300 mm	30 kg	480 mm	575 mm	590 mm
Hydraulic	250 mm	300 mm	31 kg	480 mm	575 mm	590 mm
With hook	355 mm	300 mm	40 kg	485 mm	680 mm	695 mm

TOOL ADAPTERS



Mechanical tool adapter



Hydraulic tool adapter



Hook



OQT

Automatic quick coupler system
for counterbalanced forklifts



GREATER FLEXIBILITY FOR FORKLIFT TRUCKS

OQT is a quick coupler system for forklift trucks that enables hydraulic tools to be connected directly from the operator seat. The operator can quickly and safely switch between different types of tools, such as pallet forks with hydraulic fork positioning, beam clamps and roll clamps. This ensures that the forklift truck is always equipped with the right tool for the task.

ROBUST CONSTRUCTION

Robust protective covers safeguard the couplings when operating with tools that do not feature the OilQuick function. Hardened hook pins minimize play and help ensure a long service life. A compact electrical connection enables control of valves, lighting and other electrical functions.

INCREASED PROFITABILITY

Quick tool changes and efficient use of the forklift truck increase productivity. The system can be cost-effective even with just a few hydraulic tool changes per working day and may reduce the need for multiple forklift trucks.

SAFE QUICK COUPLER SYSTEM

The system is equipped with hose burst valves, constant hydraulic pre-tensioning of the tool lock, a locking button with safety function, and audible and visual warning signals.

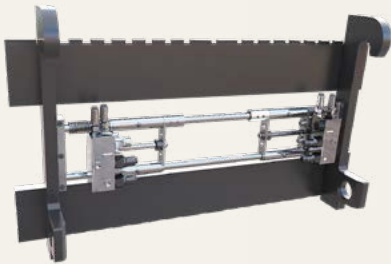
COMFORTABLE AND OPERATOR-FRIENDLY

Tool changes and hose connections are performed automatically from the operator seat. The operator does not need to leave the cab, reducing the risk of injury and eliminating the need to handle oily quick couplings.

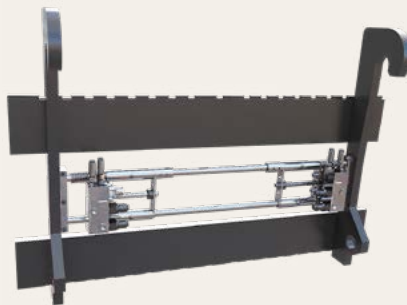
TECHNICAL DATA

Model	OQT 300i	OQT 850i-55	OQT 850i-90
Max. working pressure	35 MPa	35 MPa	35 MPa
Load holding valve/check-valve	Yes	Yes	Yes
Piston/piston rod, diameter	45/25 mm	45/25 mm	45/25 mm
Stroke length per cylinder side	115 mm	115 mm	115 mm
Total closing force at 10 MPa	16 kN	16 kN	16 kN
Max. continuous working pressure	35 MPa	35 MPa	35 MPa
Connection dimensions	1/2"	1/2"	1/2"
Oil flow at a pressure drop of 0.3 MPa	60 L/min	60 L/min	60 L/min
Max. continuous working pressure	35 MPa	35 MPa	35 MPa
Number of connections	6	6	6
Option for electrical coupling 1/2"	Yes	Yes	Yes
Connection 1-6	1/2"	1/2"	1/2"
Lifting capacity	1-3 t	3-5,5 t	5,5-9 t

TOOL ADAPTERS



OQT 300i
FEM-class tool section



OQT 850
FEM-class tool section





www.oilquick.com