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# Truck Cranes

Dedicated Products and Solutions



ENGINEERING YOUR SUCCESS.

# Dedicated products and solutions for

Parker – an experienced partner at your service

For many years, Parker Hannifin has been a major supplier of quality components and system solutions for truck cranes of all sizes, with manufacturing and engineering facilities around the world, ensuring global aftermarket support.

Parker has dedicated teams of specialists working globally to assist our clients in the design of systems, sub-systems and solutions to meet the most demanding requirements,

offering unbeatable global product availability and service.

There are several immediate value-adding benefits from utilising our expertise and our advanced technology.

For the manufacturer, time-to-market can be cut by several (very important) months, while production time and cost can be reduced by up to 15 percent, thanks to integrated solutions,

unique design features, globally synchronized logistics and services such as Kanban, Kitting and Pre-assembly, which also cut inventories and simplify purchase routines significantly.

For the end-user, benefits such as greater efficiency, reduced down-time and less maintenance contribute to an improved profitability.



## ▼ Intelligent control

IQAN by Parker is an electronic, CAN-based system containing all functions required for total system solutions. Built on software modules for power management, optimised lifting capacity, safety interlocks, overload protection, etc. IQANdevelop and IQANdesign are excellent tools for installation, start-up, diagnostics, faultfinding and other user-friendly functions. IQAN interfaces to generic CAN-buses such as J1939, CAN open, etc.



## ► Stay tough on tough jobs

A wide range of customized cylinders with service-friendly designs, damping and integrated valve functions. Designed to stay leak-proof during a long service life.



## ► PTO adapter kits

Various adapter kits for easy and direct coupling to avoid the need for external shafts and brackets.

## ◀ Adding system life by adding Parker Filtration solutions

Parker Filtration's proven, innovative technology extends the life and increases reliability of machinery and systems. In addition to a wide range of low, medium and high pressure hydraulic filters, lube and fuel filter products and quality reservoir accessories, Parker offers over 30,000 Parfit™ interchange filter elements and advanced fluid condition monitoring with the icountLCM portable particle counter and icountPD particle detector. A comprehensive range of products that combine with Parker experience to help reduce equipment downtime and minimize life cycle costs.





# truck cranes

## ◀ Piston pumps for direct PTO mounting

High pressure rated piston pumps for direct PTO mounting. Designed for high efficiency low rpm (= low noise) operation, low oil temperature and improved fuel economy.



## ◀ Load sensing pumps for direct PTO mounting

The VP1 provides your hydraulic system with just the right amount of fluid at precisely the right moment. This reduces energy consumption and heat generation considerably. The result is a smoother and quieter running hydraulic system, with reduced environmental impact.



## ▲ Proportional load sensing valves for truck cranes

Section-built closed centre valves for maximum machine performance. All spools are selected for the different flows and pressures required. Integrated functions simplify the machine layout. Among these are pump unloading in accordance with CE, fast reacting tamper-proof shock valves, integrated flow reduction at preset pressures, internal pilot oil supply, etc.

## ◀ Open centre valves optimised for truck cranes

Section-built open centre valves for maximum flexibility. Several functions are fully integrated, such as pump unloading with energy cut off, spool controls with overload function, spool position indicator and tamper-proof shock valves.

## ▼ Tie it all together

Parker's extensive line of hoses, fittings, couplings and assembly machines offers a complete package for efficient and leakfree installations. Parker is a single-source supplier for all important components.

**Parker® PowerLift 477** – high performance for restricted spaces. This medium pressure hose with two steel wire braids exceeds the working pressures as specified in EN 857 and is tested at 120 % of the maximum working pressure at 400,000 impulses.

The **590N Thermoplastic** hose for extendable booms and hose reels has a very small bend radius, and is available both in single and multiple lines for various high pressure applications.

**Preformed hoses** combine the advantages of a preformed steel tube and a flexible hose – ideal for installations in tight spaces.

**Small Bore Lubrication** Thermoplastic hoses offer compact dimensions, high flexibility and small bend radii.

**Pilot Line Hoses** are compact and lightweight, ideal for typical pilot applications where space is often limited.

**Parker Universal Push to Connect** – a unique push-in system for tubes and hoses that saves time and costs through simple, rapid, failure-free assembly.



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