

# Q.Safe

## COMPLETE QUICK COUPLINGS RANGE

The modern hydraulic machines are often designed for doing multiple and flexible jobs using interchangeable tools, not only in agriculture but more and more in construction as well. The technology of quick release couplings is universally used for connecting and disconnecting tools and implements, keeping the oil and sometime the pressure inside the hydraulic system.

Under the brand Q.Safe, Manuli Hydraulics offers a complete High technological quick couplings range to connect two parts of the hydraulic circuit in a “Fastly-Easily-Safely-Repeatedly” way. Due to a perfect compatibility with hoses & fittings, Manuli provides a safety, secure and guarantee fluid transport system.

31 families and 950 items are composing the Q.Safe line, which is designed to equip machines in **agriculture & forestry, construction equipments & utility vehicles, material handling & lifting, road transportation & construction and numerous Industry applications.**



Manuli Q.Safe lines are designed and manufactured to perfectly fit the need of ever growing hydraulic power systems:

$$P = p * Q$$

P = hydraulic Power (Kw)      Q = rated flow (lt/min)      p = pressure (bar)

Plus and benefits given by Q.Safe enhance the performance of the application, in particular:

- the service life of components on heavy duty applications is increased thanks to the high resistant materials and components hardened on the most stressed areas
- moulded shaped polyurethane seals with the same working temperature of NBR (-30°C up to +110°C)
- internal components streamlined in shape that drastically reduce pressure drop at all values of flow rate.

Noteworthy is also the Safety factor of the Q.Safe line for end users. With a ratio of 4:1 and due to the perfect compatibility of each quick coupling with Manuli hoses and connectors, Manuli Hydraulics offers a safety and secure fluid conveying system.

Besides and in line with the Total Quality approach of the Group, the entire Q.Safe range is manufactured and assembled under severe quality controls, such as:

- 100% visual check
- 100% functional test
- 100% air sealing test

The integrated approach embraced by Manuli Hydraulics adds constantly new solutions to the market where the performance of traditional separated components can be compacted and enhanced in innovative products.



As part of Manuli Rubber Industries, Manuli Hydraulics is active in the design, manufacture and sale of a wide range of hoses, connectors and machines for conveying power in high- and very high-pressure hydraulic circuits and fluids in refrigeration unit.

For more info, visit [www.manuli-hydraulics.com](http://www.manuli-hydraulics.com)

Milan, March 2011