



smart and simple quick hitch



safest on the market



universal pick up



reliable and robust

Does your quick hitch go beyond Australian Standard to ensure safety?

A series of fatalities and serious injuries could have been avoided if a compliant quick hitch had been used and site safety procedures followed correctly.

Primary Retention and Safety System required

The Australian Standard AS 4772-2008 outlines that quick hitches must comprise of a Primary Retention System used to connect and disconnect attachments and a Safety System to ensure that the attachment does not unintentionally disconnect from the quick hitch in the event of failure of the primary retention system.

Swinging is a serious safety risk

Many fully automatic hitches technically meet the requirements of the standard by preventing attachments falling off in the event of failure of the primary retention system, yet they do not prevent swinging and that can be a serious safety risk when the machine is operated near people.



If you currently have a detach only hitch you can significantly improve safety of your staff by replacing it with an automatic hitch that does not allow for uncontrolled movement in the event of a failure of the primary retention system.

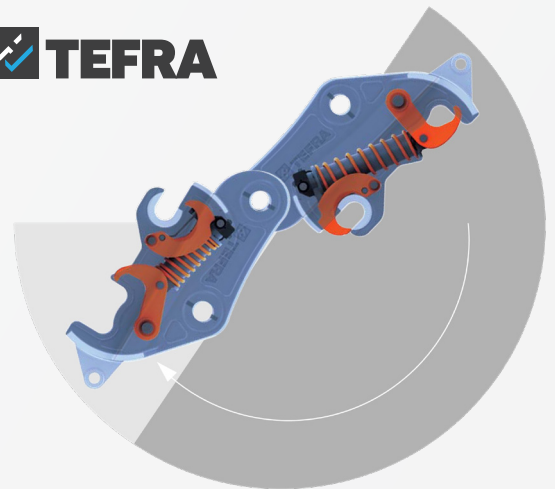
The safest quick hitch on the market

TEFRA's fully automatic dual positive lock hydraulic Quick Hitch eliminates the risk of attachment separating from the quick hitch and should a failure of the primary retention system occur TEFRA also prevents swinging and does not allow for uncontrolled movements.

Simple and Smart

TEFRA's uncomplicated design has made it the most reliable and robust quick hitch on the market and the following innovative technical features of TEFRA have raised the safety benchmark for the industry:

- 1 DUAL LOCKING - TEFRA locks both the front and rear attachment pins in the event of a hydraulic failure.
- 2 SIMPLICITY – TEFRA has only three moving parts, the fewest of any double locking quick hitch.
- 3 SMART VALVE – Hill Smart Valve ensures the attachment is in a safe position before the release sequence is permitted.
- 4 SINGLE CYLINDER DESIGN – totally enclosed piston rod, no external pipes, eliminating the risk of damage.
- 5 FAILURE INDICATOR – a failure condition allows limited movement of the attachment upon the quick hitch indicating a problem.



Permitted Release Zone	No Release Zone
The Smart Valve will allow oil to flow into the cylinder so that the release procedure can commence.	The Smart Valve will stop oil from flowing into the cylinder, thereby preventing the release procedure.

With universal pickup TEFRA can pick up attachments from different machine manufacturers within weight range of 3 - 120 tonne.