

Faster[®]
A HELIOS COMPANY

Agriculture



Agriculture represents the historical and traditional field of application for Faster quick-release couplings

Agriculture is the leading field of application for quick-release hydraulic couplings. For this reason, Faster offers a wide range of products specifically designed for the agricultural sector. Faster has developed a full range of products, covering all the hydraulic connections on regular tractors, both on rear hydraulic lines and front loaders.

Our product portfolio entails various types of couplings and MultiFaster, alongside tailor-made solutions, such as castings and blocks, to meet the requirements from different manufacturers.

Moreover, we have selected products specifically designed for harvesting applications.

ICONS LEGEND



Connection Under Pressure:
Allowed Male Half up to W.P.



Connection Under Pressure:
Allowed Both Halves



Connection Under Pressure:
Allowed Residual



Connection and disconnection
under residual pressure both halves



Disconnection Under Pressure:
Allowed Male Half up to W.P.

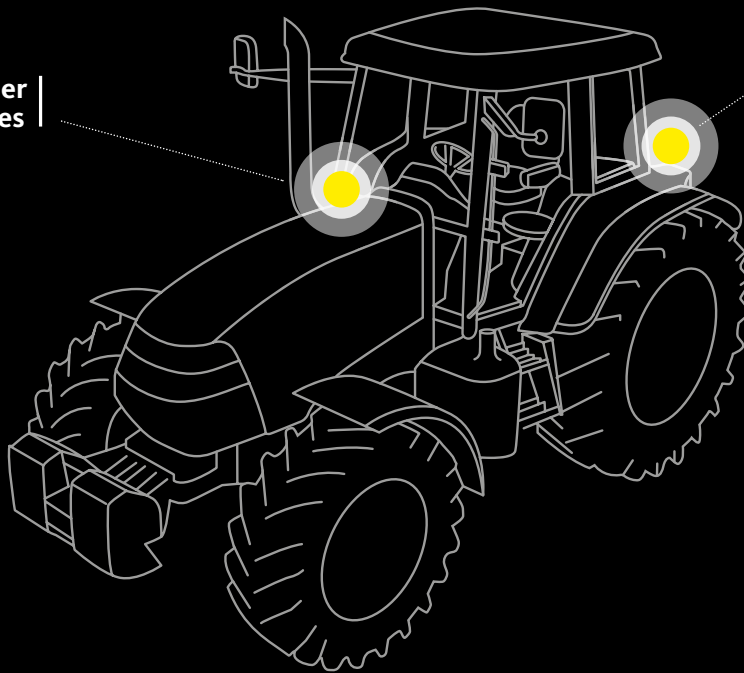


Connection Under Pressure:
Not Allowed

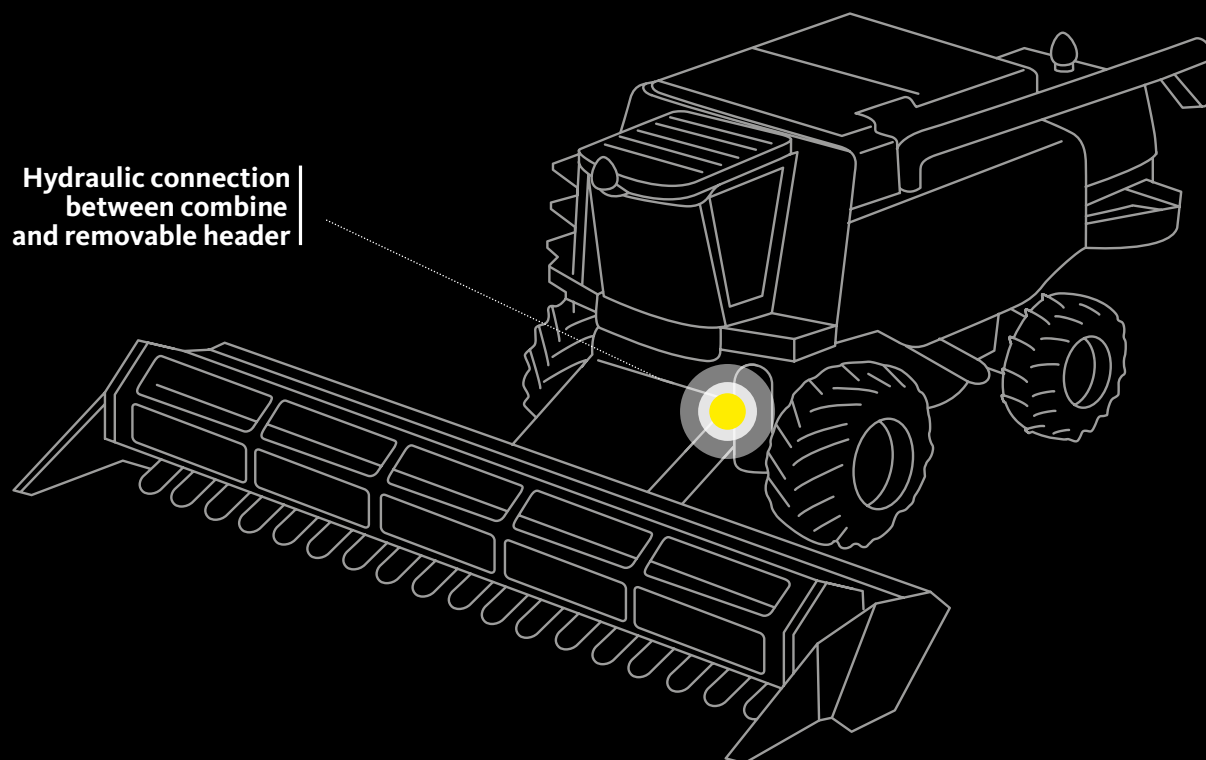
Tractor

Front Loader
Valves

Rear
Hydraulic
Lines

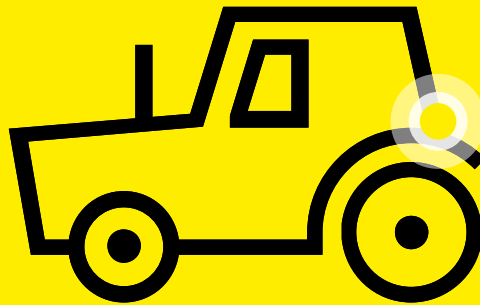


Combine



Rear Hydraulic Lines

Lines to connect the tractor hydraulic circuit to rear attachments, in order to power them.
Some attachments may also require the «power beyond» configuration.
Hydraulic Oil flows from the tractor to the attachment, and returns to the reservoir.



Single Couplings

- **SLEEVE RETRACTION**
- **PUSH-PULL**
- **PUSH-PULL HIGH FLOW RESISTANT**

Faster offers a wide variety of couplings specifically designed for agriculture.

All single couplings solutions for agriculture are size 1/2" and interchangeable with ISO 7241 series A parts. Standard features for the Agriculture range are: carbon steel as material, CrIII as surface treatment, poppet valve and a maximum operating pressure of 25 MPa.

Sleeve Retraction



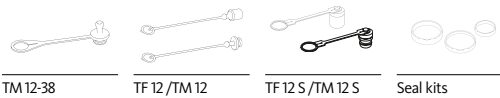
NV



Male and Female couplings with poppet valve shut-off system ISO 7241 series A compliant.
Flow rate @ 0.2 MPa: 75 l/min



Accessories and spares



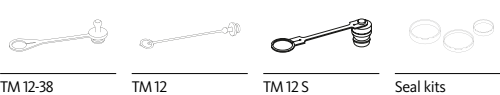
3CPV



Female couplings ISO 7241 series A compliant designed for panel mounting installation and connection to flexible hoses.
Connectable with residual pressure in the line (male side only).
Flow rate @ 0.2 MPa: 75 l/min.
Breakaway function.



Accessories and spares



Push-Pull



6DNPV



Female couplings ISO 7241 series A compliant for rigid mounting connectable with residual pressure in the line (both sides), disconnectable under pressure with low effort.
Flow rate @ 0.2 MPa: 50 l/min.



Accessories and spares



TM 12-38



TM 12



TM 12 S



Seal kits

Push-Pull High Flow Resistant



3CFHF



Female couplings ISO 7241 series A compliant, connectable with residual pressure in the line (male side only).
Can withstand a return volumetric flow up to 250 l/min without damages to the internal components or extrusion of the frontal o-ring seal.
Breakaway function.

Accessories and spares



TM 12-38



TM 12



TM 12 S



Seal kits



TA



TAID 12



Oil Collecting System

4SRHF



Female couplings ISO 7241 series A compliant, connectable with residual pressure in the line (both sides).
Can withstand a return volumetric flow up to 250 l/min without damages to the internal components or extrusion of the frontal o-ring seal.
Breakaway function.

Accessories and spares



TM 12-38



TM 12



TM 12 S



Seal kits



TA



TAID 12



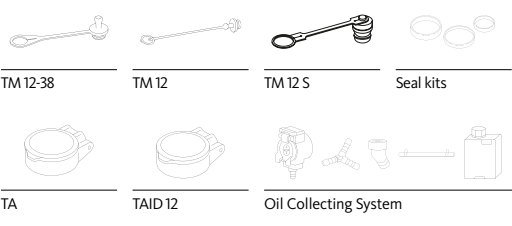
Oil Collecting System

3CKHF



Female compact couplings ISO 7241 series A compliant, connectable with residual pressure in the line (male side only). Can withstand a return volumetric flow up to 250 l/min without damages to the internal components or extrusion of the frontal o-ring seal. Reduced dimensions: 15 mm shorter than the standard CUP push-pull ISO 7241 A couplers (3CFHF). Breakaway function.

Accessories and spares

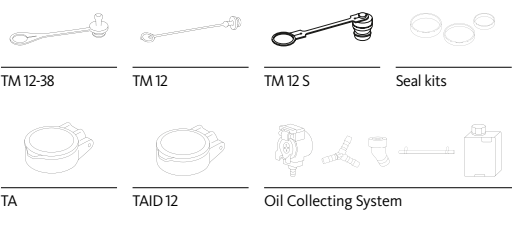


4SKHF



Female compact couplings ISO 7241 series A compliant, connectable with residual pressure in the line (both sides). Can withstand a return volumetric flow up to 250 l/min without damages to the internal components or extrusion of the frontal o-ring seal. Reduced dimensions: 15 mm shorter than the standard CUP push-pull ISO 7241 A couplers (4SRHF). Breakaway function.

Accessories and spares



Casting Solutions

- **GENERAL PURPOSE**
- **CUSTOMIZED SOLUTIONS**

Castings are the ideal solution for tractors with a technologically advanced configuration, designed to ensure better performances and avoid any leakage. They are designed to be directly screwed on control valves and tailored to the manufacturer's space needs. The castings configuration allows for mounting several Push-Pull couplings series, both in their standard or High Flow version. The improved technology lies in the coupling you choose.

General Purpose



Rear Remote Block



General purpose remote casting solutions for agriculture.

The cast iron block is equipped with two integrated 1/2" cartridges ISO 7241 series A compliant, Push-Pull connection type. Connection and disconnection under pressure is allowed, thanks to a lever, specifically designed to ensure depressurization of the internal circuit. blocks can be connected by means of rigid hoses to remote selective control vales.

Customized Solutions



Block with integrated cartridges for Rear SCV



Custom-made casting solutions for agriculture with integrated cartridges.

The cast iron block is equipped with two integrated 1/2" cartridges ISO 7241 series A compliant. Push-Pull connection type. Connection and disconnection under pressure is allowed, thanks to a lever, specifically designed to ensure depressurization of the internal circuit. The block is designed to be screwed directly on selective control valves; hence, manifold ports share same to center distances of SCV ports. Every manifold series is designed taking into account for each tractor model the specificity of rear environment to meet space requirements and ensure highest comfort for hydraulic lines connecting and disconnecting maneuvers.

Block with semi-integrated cartridges for Rear SCV



Custom-made casting solutions for agriculture with two semi-integrated cartridges.

ISO 7241 series A (available sizes: 1/2" and 3/4") or ISO 16028 (sizes: 1/2" and 5/8") compliant that can be installed into the manifold seats. Multiple size and cartridge configurations can be created. Hydraulic oil flows axially into the cartridges instead than radially, and that allows to achieve a higher flow rate. Great ease to connect and disconnect agricultural implements thanks to relief of internal residual pressure ensured by one dedicate lever for each line.

Power Beyond

Full set of flat face couplings for Power Beyond rear attachments, sizes in accordance with class 1 to 4 of ISO 17567 standard.

Power Beyond attachments allow the tractor to receive pressure feedback from the eld through load signal line, in order to adjust oil flow and optimize performances.

Power Beyond



5FPI



Flat face push-pull couplings for agricultural applications (Power Beyond circuit)
Connectable to ISO 16028 flat face couplings even in presence of residual pressure on both sides. Disconnectable under residual pressure with low effort. Compliance to ISO 17567 standard.



Accessories and spares



TM 5FPI...

FPI



Flat face push-pull couplings for agricultural applications (Power Beyond circuit).
Connectable to ISO 16028 flat face couplings. Compliance to ISO 17567 standard.



Accessories and spares



TM FPI...

Full set of flat face couplings for Power Beyond rear attachments.
Faster offer for Power Beyond covers all ports composing the Power Beyond configuration:

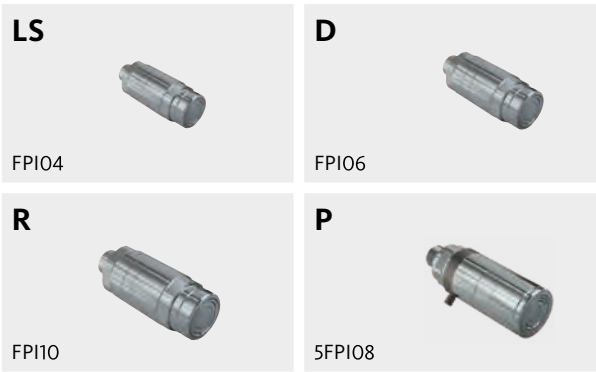
Load Signal Port	Drain Port
Return Port	Pressure Port

Sizes in accordance with Class 1 to 3 of ISO 17567 standard.

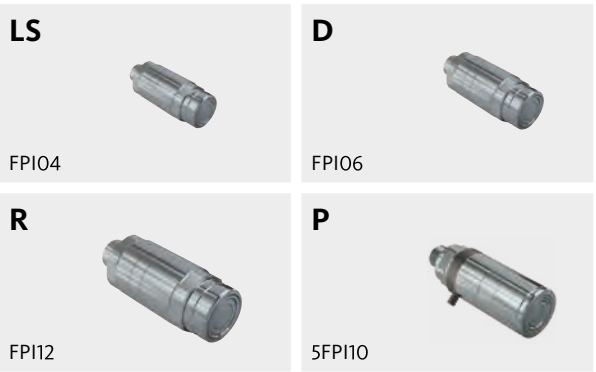
- Class 1** – Up to 45 l/min
- Class 2** – 45 to 74 l/min
- Class 3** – 74 to 100 l/min
- Class 4** – 100 to 220 l/min

Faster couplings range for Power Beyond applications

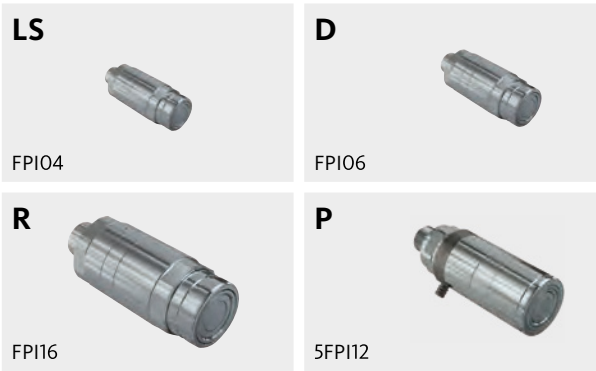
Flow Class 1
Up to 45 l/min



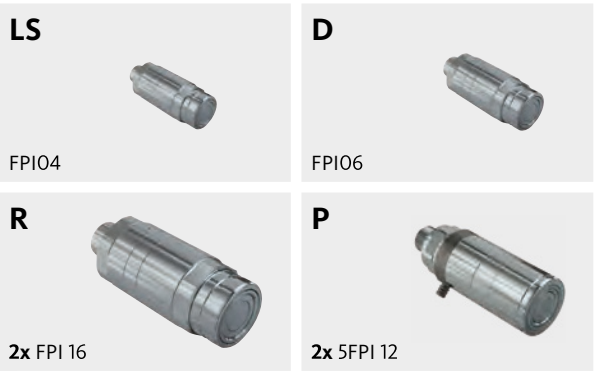
Flow Class 2
45 to 74 l/min



Flow Class 3
74 to 100 l/min



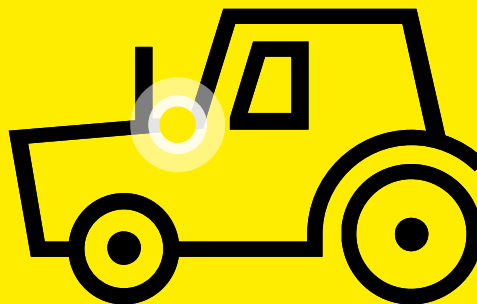
Flow Class 4
100 to 220 l/min



Front Loaders

Lines connecting the tractor hydraulic circuit to the front loader to operate the attachment. The number of lines varies depending on the number of functions of the front loader. Very often there are also electrical connections.

MultiFaster are the best solution for this type of application, granting comfort and compactness.



MultiFaster for Front Loaders

MultiFaster are the market reference to connect multiple lines, allowing an effortless connection even with residual pressure in the system. Each product entails a different combination of elements, such as number of lines, coupling size, lever and electrical connectors. The number of lines varies according to the functions performed by the attachment. Tractor front loaders are a typical application for MultiFaster.

MultiFaster for Front Loaders

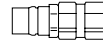


PC206



MultiFaster compact. It allows connection with mobile plate or stand-alone counterpart couplings, 2 lines 3/8". The disconnection of stand-alone counterpart couplings is made by dedicated push buttons. This feature can be extended to all MultiFaster range.

Accessories and spares



KIT2FN



KIT3FN



Seal kits

MC6



MultiFaster with 6 lines, dash size 04 (1/4"). This slim multiconnection is designed to quickly connect and disconnect the hydraulic circuit of the front loaders of a compact cab-less, including the lines of the loader 3rd function. The tractor driver can connect and disconnect the MultiFaster with a single operation using one hand only and remaining seated. CUP couplings allow to handle effortless maneuvers even in presence of trapped pressure into the circuit.

Accessories and spares



KIT2FN



KIT3FN



Seal kits

P508



MultiFaster with 4 lines, dash size 08 (1/2").
A brand new feature added to our MultiFaster is an automatic dust cover which gets automatically closed when the mobile half has been disconnected and the lever is rotated by the operator to return to the locked position. This ensures a total protection to quick-release couplings from the ingress of dust or water, prolonging their service life and reducing the risk of oil leakage deriving from failures of the internal seals.

Accessories and spares



KIT2FN



KIT3FN



Seal kits

Harvester/ Combine

Combines allow to execute with one single machine the three main harvesting operations: reaping, threshing and winnowing. Combines are equipped with removable headers, each of them designed for a specific crop.

Removable headers can be hydraulically connected and disconnected simply by using a MultiFaster.



MultiFaster for Harvesting Applications

Faster offers a range of MultiFaster specifically designed for harvesting applications.

MultiFaster ensures a safe and quick hydraulic connection and disconnection between the header and the harvester. This allows to easily disconnect the header to harvest a different kind of crop or to facilitate the circulation of the harvester on public roads.

MultiFaster for Harvesting Applications



PLK



MultiFaster with 5 lines. 2 lines dash size 06 (3/8"), 3 lines dash size 09 (9/16"), 1 seat for electrical connector.

Max. Working pressure 25 MPa.

Flow rate @ 0.2 MPa: 2 3/8" lines 20 l/min, 9/16" 3 lines 35 l/min.

Accessories and spares



KIT2FN



KIT3FN



Seal kits

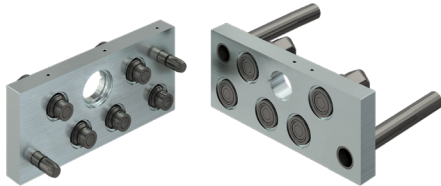
3PLX



Mobile half Multiconnection with 2 lines dash size 04 (1/4") and 2 lines dash size 08 (1/2"), with 3 empty seats suitable for electrical connectors.

Screw-on connection mechanism. The Plate is available in two versions: aluminum natural color (grey) with sandblasted finish, and black painted cathaphoresis. The Multiconnection is MARKET interchangeable and suitable for installation on Claas "Lexion" combines.

Automatic Multiconnection



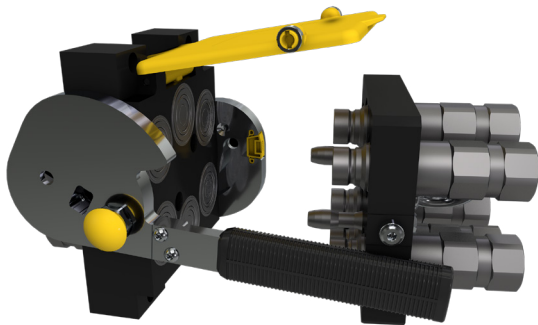
This kind of multiconnection, properly integrated into an automatic Header Docking System, can automatically connect to a harvester the drives on both sides of the header by means of guide pins and hydraulic actuators; M115 single-point coupler allows the connection of all the hydraulic and electrical lines during the simultaneous mechanical latch in place of the header; the whole connection process can be completed just in a few seconds allowing to save several hours of harvest time over a season for operators who change headers frequently.

Special Solutions

To meet the needs of agricultural machinery industry, a sector in continuous technological development, Faster offers also a selection of special products bringing benefits in terms of more design flexibility and higher compactness deriving from the integration of quick cartridge couplings into manifolds. Without forgetting the issue of safety, with the breakaway feature implemented on the Multifaster so to offer the possibility of installation on the rear of tractors or on any equipment that, for safety reasons, may need to be suddenly disconnected from a self-propelled machine.

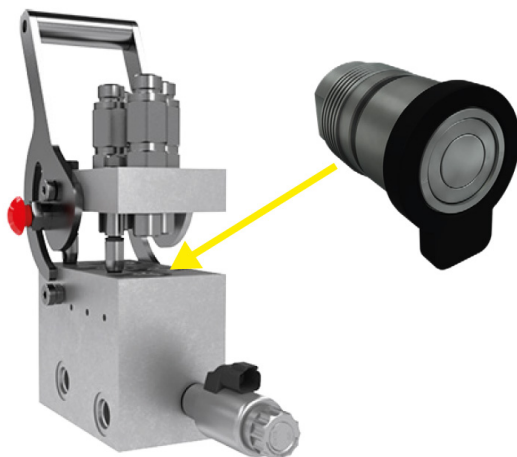
Special Solutions

Multibreakaway



Multiconnection with 6 lines dash size O8 (1/2"), suitable for rear tractor installation and ensuring the breakaway feature. The MultiFaster plates can get disconnected under pressure by the pulling force exerted by the tractor in case the MultiFaster is unintentionally left connected after detaching the implement. This allows to avoid costs due to replacement of damaged hoses and to machine downtime and to improve work safety.

FFHB Integrated Solution



Integrated flat face cartridge, suitable for hydraulic multiconnections and manifolds. Thanks to its special sleeve button it is possible to connect the cartridge with dedicated plate counterpart or with single couplers. The cartridge allows frontal assembly with a dedicated tool. Conforms to ISO 16028 interchange standard. Available sizes: 3/8", 1/2", 3/4".

Integrated Solution



The "Integrated Solution" is a manifold which integrates the functions of a directional control valve designed and produced by Sun Hydraulics with the ones of MultiFaster allowing to reach top of productivity in harvesting applications. Besides the benefits offered by each of the two items, additional pluses are ensured by their integration, such as the reduction of number of potential leak points (more than 60%), assembly simplification and an overall cost saving. Flat face cartridges are completely integrated into the manifold ensuring a perfectly flat surface very easy to keep clean; further, their frontal installation is pretty simple and effective.
