



OVER 50 VERSIONS
NEW MODELS
FOR INDUSTRIAL
APPLICATIONS

MULTIFASTER
SERIES

Patent
Applications
Pending



▶ Quick-release multiconnection system to connect several hydraulic, electrical and pneumatic lines.



UNI EN ISO 9001
Cert. n° 2905
ISO/TS 16949



► Quick-release multiconnection system to connect several hydraulic, electrical and pneumatic lines.



Features

- To connect from 1 to 12 hydraulic, electrical or pneumatic lines in the same time.
- Fixed part equipped with flat-face female couplings.
- Mobile part equipped with flat-face male couplings.
- Connection and latching by cam lever.
- Multifaster **2P... series** equipped with flat-face couplings 2FFNB series (female part) and 2FFNP series (male part).
- Multifaster **3P... series** equipped with flat-face couplings 3FFNP series male couplings on the mobile part in order to achieve an effortless connection under maximum working pressure and with 2FFNB female couplings on the fixed part assembled, upon request, with a shorter lever.
- Female couplings 2FFNC series to be assembled on low thickness fixed plates.
Mainly used for industrial applications (see at page 38).
- Flat valves allow connections and disconnections without any fluid spillage or air inclusions.
- Special profile seals made of Polyurethane add wear resistance to the great sealing action.
- The surface of the fixed part is completely flat (FASTER® patent) to ensure an easier and quicker cleaning.
- Automatic protection with elastomeric seal to stop dirt inclusions.
- Reference pins on the mobile part to prevent misalignment.
- Automatic safety system with a big size red button to avoid accidental disconnections.
- Suitable for one or more electrical and pneumatic connections.
- Coating protection treatment for aluminium blocks.
- Mobile part support available on request.
- Wide range of threads and connectors.
- Spare parts kits available with detailed assembling instructions.
- Stainless steel versions in AISI 316 available on request.



Applications

- Simultaneous connection of several lines is an important feature extendable to various fields of applications:
- **Agricultural Field**
 - Front loaders
 - Lifters
 - Forklifts
 - Other hydraulic equipments
 - **Transport Field**
 - Snow ploughs
 - Selfsteering trailers
 - Other hydraulic equipments
 - **Construction Field**
 - Asphalt machines
 - Cement machines
 - Hydraulic hammers
 - Vibrating screen
 - **Industrial Field**
 - Hydraulic fixtures
 - Mold and dies change system
 - Tools changing
 - Steel industry
 - **Robotic Field**
 - Attachments change system



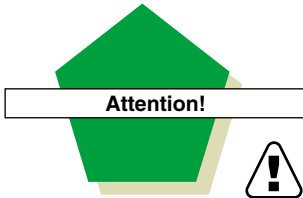
Benefits

- Dramatic time reductions when connecting several hydraulic, electrical or pneumatic lines.
- Ecologically "clean": neither fluid spillage nor air inclusion during connection and disconnection.
- No risk of hydraulic, electrical or pneumatic lines misalignment thanks to the reference pins assembled on the mobile part.
- Connection allowed even with lines under pressure without decreasing pressure with consequent oil spillage.
- Effortless connection under full working pressure thanks to 3P... series Multifaster.
- Ease of cleaning with consequent reduction of dirt inclusions in the circuit.



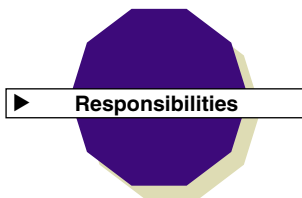
Recommendations

- Before using a new **MULTIFASTER**, please carefully consider all data and indications reported in our catalogue. Make sure that your **MULTIFASTER** is suitable to the flow and pressure used during the application.
- Working pressure must be verified on each single coupling and then on the total of the lines.
- Carefully check that all lines under the maximum working pressure simultaneously do not exceed the maximum working pressure value indicated in our catalogue.
- Make lines simultaneously under pressure alternate with lines that are not under pressure to ensure a longer lifetime to the seals. Please carefully read the instructions packed with the **MULTIFASTER** system (instruction no. 55). Lubricate all points subjected to frictions and wear as indicated in the instruction no. 55, perform some connection and disconnection operations in order to check the perfect functioning of the system. Replace **MULTIFASTER** components only with **original marked FASTER® spare parts** as indicated in the schedules of this catalogue and in the instructions of the **MULTIFASTER**.
- Clean the fixed and the mobile parts of the system before each connection to preserve seals.
- When the **MULTIFASTER** is not connected, please protect the fixed part with the special automatic cover and place the mobile part on its support (on request) to prevent dirt contamination and dents.



Attention!

- Improper use and incorrect maintenance of products with high internal working pressures could cause malfunctioning and damage to persons and machines. Therefore it is necessary to carefully conform to the instructions contained in this catalogue and in the single products.
For any further information please contact FASTER® Research & Development Dept.
- Connection and disconnection of **MULTIFASTER** is carried out by a lever. This system minimizes the force to connect even with plant at maximum working pressure. Therefore it is necessary to verify all operating conditions in view of the system on which the **MULTIFASTER** will be fitted.
- For **2P** series **MULTIFASTER** (equipped with **2FFNP** male couplings), to calculate the maximum pressure during the coupling phase, consider that there is a volume reduction inside the male part by:
2cc-size 06
3cc-size 08
7cc-size 12
this volume reduction creates a pressure increase in addition to the oil quantity existing in the system, male circuit.
- For **3P** series **MULTIFASTER** (equipped with **3FFNP** male couplings), the internal pressure is constant.
- Damages in the seals and internal components of the coupling may occur if connecting phase is carried out at higher pressures than stated values thus causing loss of oil and malfunctioning.
- In case of damages, ask for **original FASTER® spare parts kits.** (see at pages 26-27-28). Check that all moveable components are cleaned and greased. Be sure that safety nut is released by each connecting operation to avoid any accidental disconnection caused by vibrations or shocks.
- During the disconnection with the **MULTIFASTER** under pressure ensure to hold the lever with a hand to avoid that the fast return could cause damage to persons and machines.



Responsibilities

- The recommendations stated in this catalogue do not consider all risk factors in every possible application of **FASTER®** couplings.
- The final choice of the product is under customer's responsibility who has to make the selection according to **FASTER®** suggestions.
- The customer has to make sure that all requirements of chosen parts are respected, efficiency is maintained and the end user is informed about use and maintenance operations.
- FASTER** and its Distributors are not responsible for damages to persons and machines caused by an improper use and an incorrect maintenance of products.
- Continuous improvement of technical features of products is **FASTER's** policy. For that reason all data in this catalogue are not binding. **FASTER** is entitled to modify the specifications without prior notice.

Guarantee

- All **FASTER®** quick-release couplings are designed and produced in conformity with the regulations of Quality Managing System according to UNI EN ISO 9001 and ISO/TS 16949 Standards.
- They bear the **FASTER®** logo to guarantee their origin and reliability.
- FASTER®** quick-release couplings are distributed worldwide through a network of highly qualified distributors.
- If a **FASTER®** quick-release coupling is connected to a correspondent competitor's type please **check the functionality, the sealing and the resistance to working pressure before using the coupling.**
- Faster can not assure the performance, quality and connecting tolerances of competitor's types.**
- Malfunctioning or leakages due to the above mentioned cases could cause serious damages to persons and machines.

How to order

- See at page 23 **FASTER** coding system.
- For **MULTIFASTER** with different couplings sizes and different threads contact **FASTER Research & Development Dept.**
- See available item codes in the ordering chart.
- As a further help in defining and selecting the most suitable product for the specific application please ask and fill-in with as much information as possible the Product Definition Form (mod. A003) sending it back to **Faster Customer Service.**



UNI EN ISO 9001
Cert. n° 2905
ISO/TS 16949



NEW

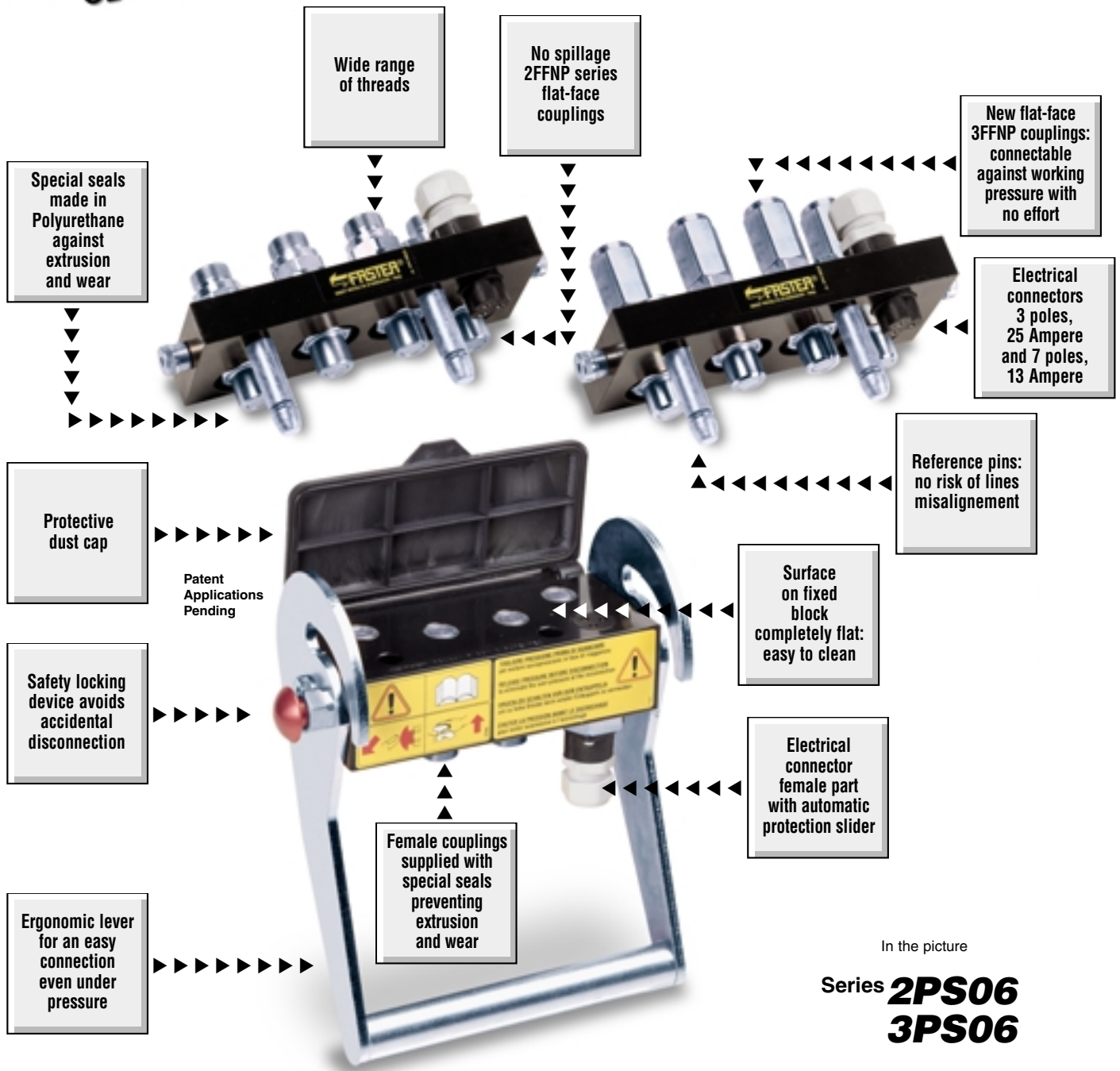
NOVELTIES IN THIS CATALOGUE

- Zinc plating with Cr III passivation on the whole range

**MULTIFASTER 2P and 3P Series.
Save your time respecting the environment.**

Patent
Applications
Pending





In the picture

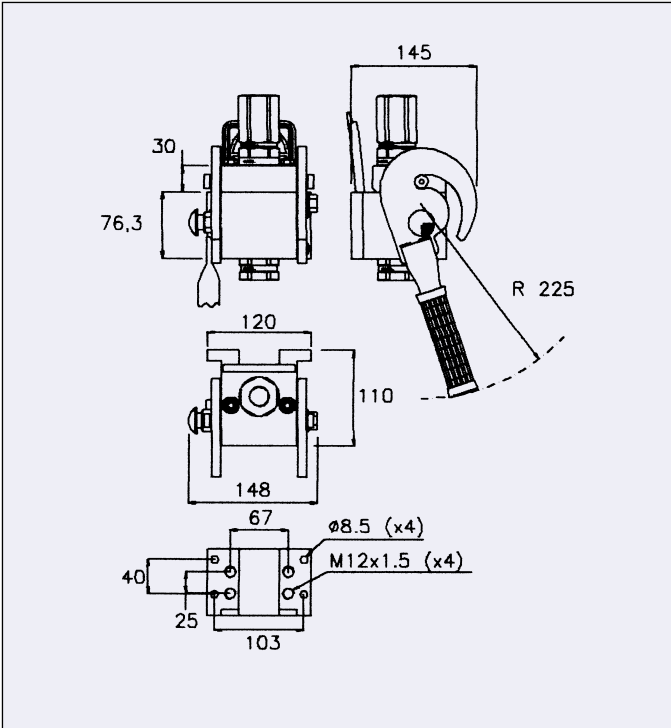
Series **2PS06**
3PS06

► THE NEW REVOLUTIONARY WAY OF THE QUICK-RELEASE COUPLING

- 1) Patented system for simultaneous connection of several hydraulic, electrical and pneumatic lines.
- 2) No risk of lines misalignment.
- 3) Connectable and disconnectable under pressure.
- 4) **3P series MULTIFASTER** for an effortless connection under working pressure.
- 5) Ecological: no spillage.
- 6) Easy to be mounted also on pre-existent systems.

▶ **3P1 version**

- Single line Multifaster
- Purposely designed for construction field
- Internal components designed considering heavy duty working conditions (hydraulic hammers)

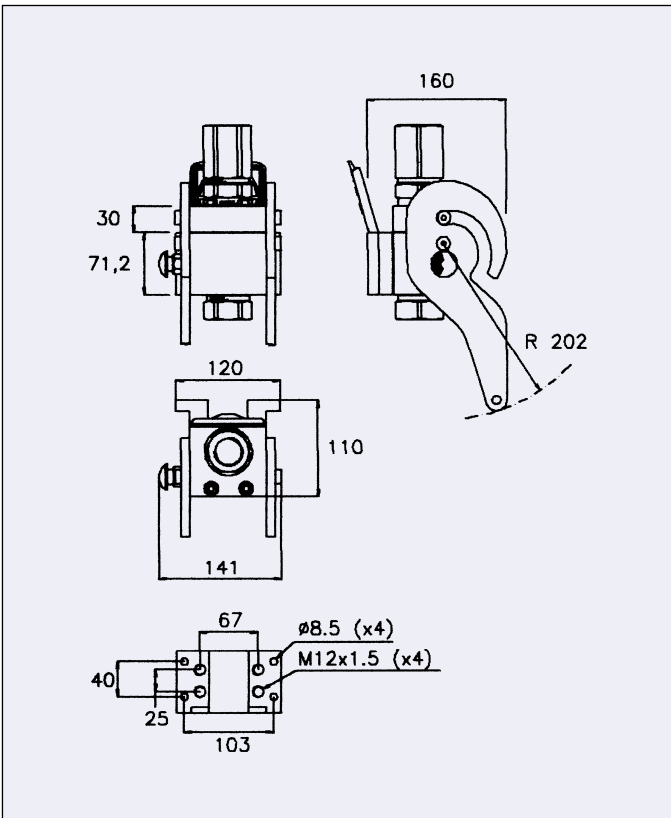


Version **3P112** One line 3/4" size

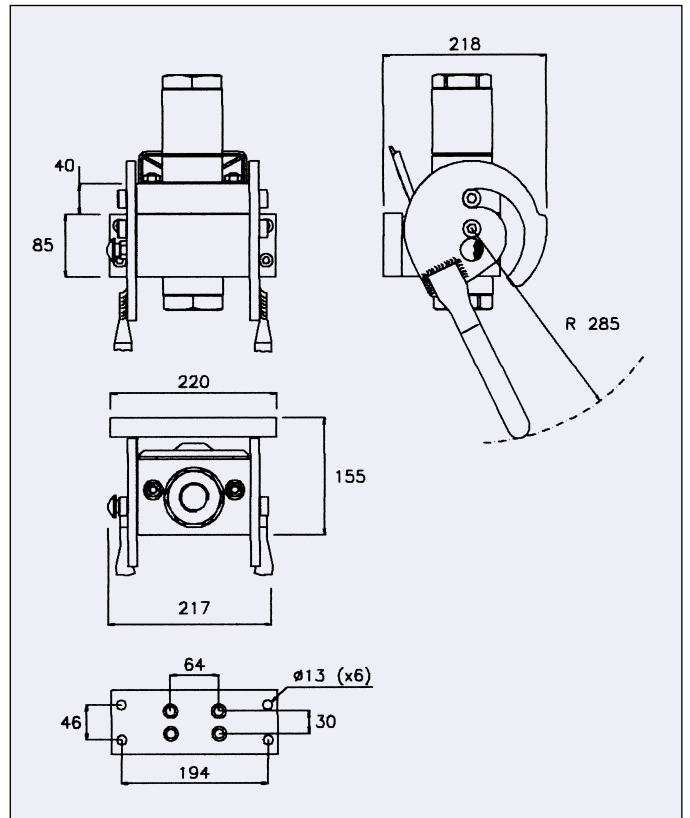


Patent Applications Pending

Available versions
▶ For complete codes see at pages 23-24-25



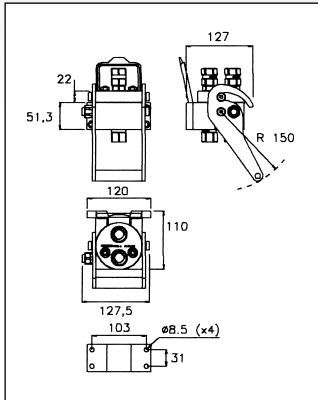
Version **3P116** One line 1" size



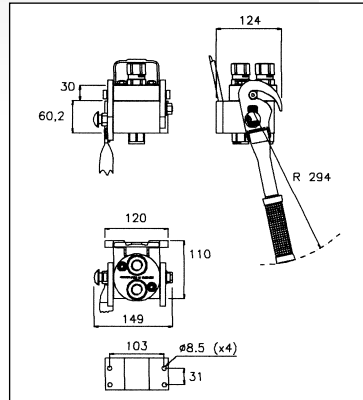
Version **3P124** One line 1 1/2" size

► **2P2...3P2 version**

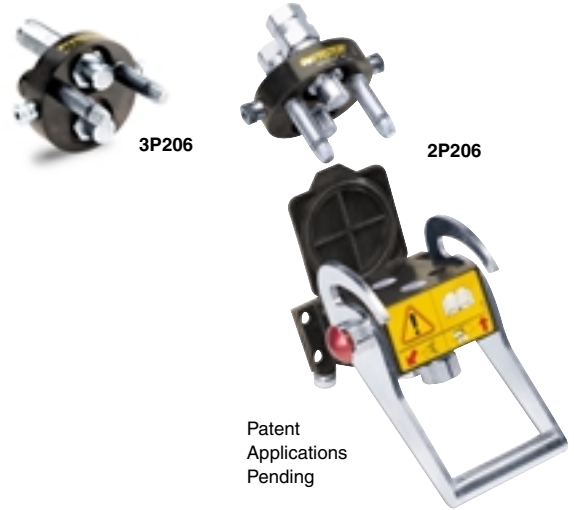
- 2 lines Multifaster
- The most compact Multifaster
- It is possible to fit 3 or 7 poles electrical connectors into 1/2" seats (see at page 29)
- Both 2P... and 3P... versions available



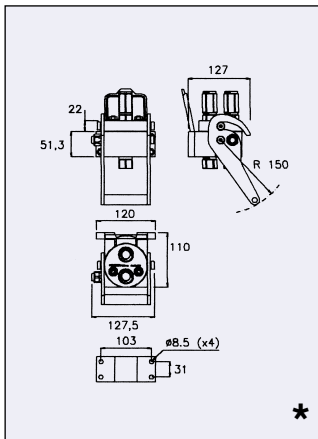
Version **2P206** Two lines 3/8" size



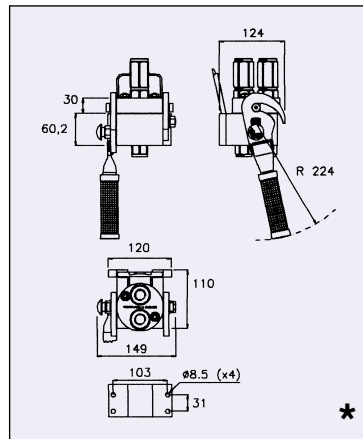
Version **2P208** Two lines 1/2" size



Patent Applications Pending



Version **3P206** Two lines 3/8" size *



Version **3P208** Two lines 1/2" size *

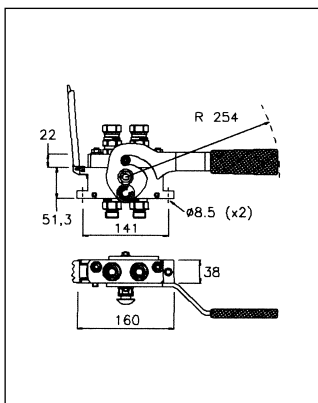
Available versions

► For complete codes see at pages 23-24-25

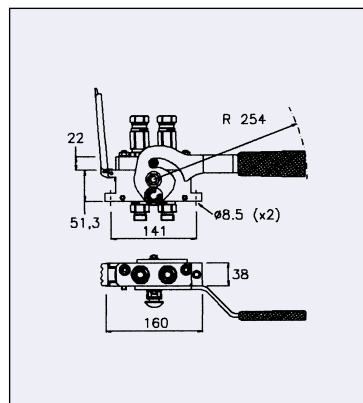
★ The short lever is available on request. Standard lever is the one assembled on 2P series MULTIFASTER.

► **2PB...3PB version**

- 2 lines Multifaster 3/8" size
- Dramatically compact
- Both 2P... and 3P... versions available



Version **2PB06** Two lines 3/8" size



Version **3PB06** Two lines 3/8" size



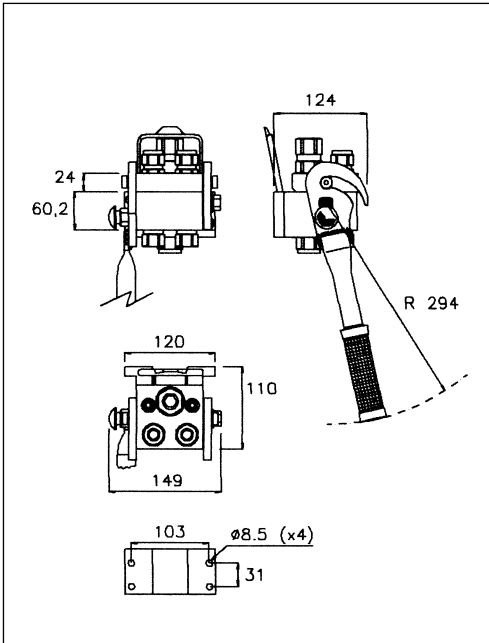
Patent Applications Pending

▶ **2P3...3P3 version**

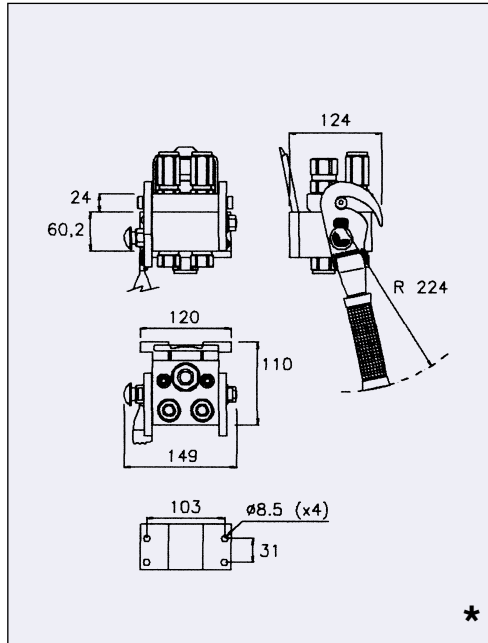
- 3 lines Multifaster
- Excellent balance between compactness and versatility
- It is possible to fit 3 or 7 poles electrical connectors into 1/2" seat (see at page 29)
- Both 2P... and 3P... versions available



Patent Applications Pending

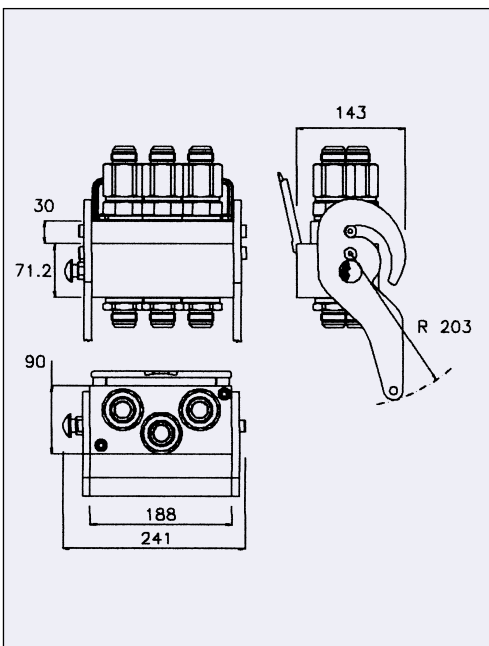


Version **2P306** Two lines 3/8" size
One line 1/2" size



Version **3P306** Two lines 3/8" size
One line 1/2" size

*



Version **3P316** Three lines 1" size On request

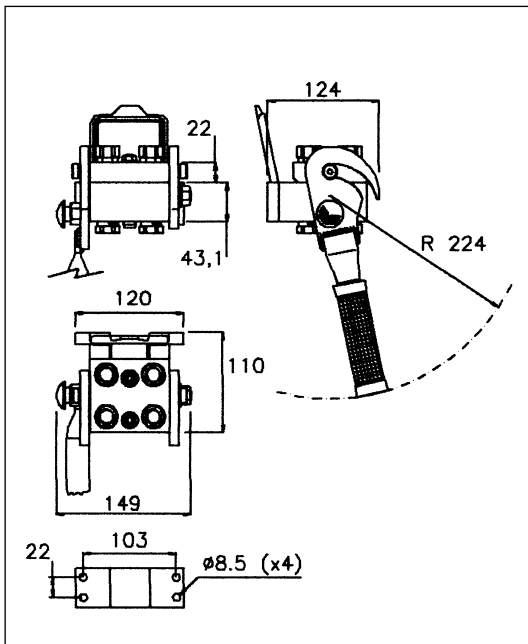
Available versions

▶ For complete codes see at pages 23-24-25

* The short lever is available on request. Standard lever is the one assembled on 2P series MULTIFASTER.

▶ **2P4... version**

- 4 lines Multifaster
- Suitable for applications requiring several lines and reduced overall dimensions



Version **2P404** Four lines 1/4" size



2P404

Patent
Applications
Pending

Available versions

- ▶ For complete codes see at pages 23-24-25

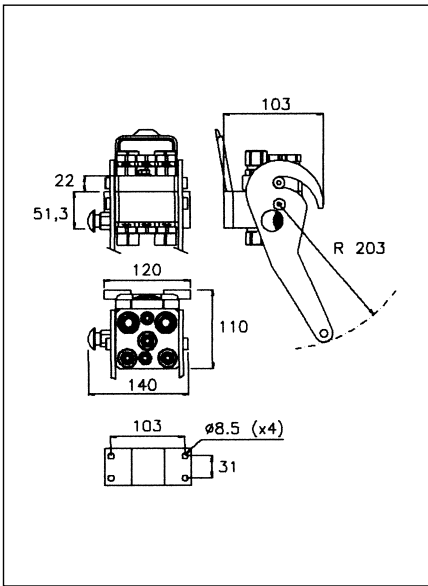
▶ **2P5... version**

- From 4 to 8 lines Multifaster
- The most versatile Multifaster
- Wide range of combinations available to satisfy several needs
- It is possible to fit 3 or 7 poles electrical connectors into 1/2" seats (see at page 29)
- Both 2P... and 3P... versions available

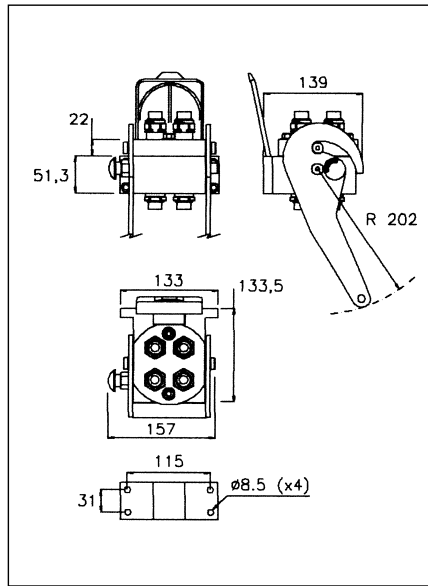


2P506-1

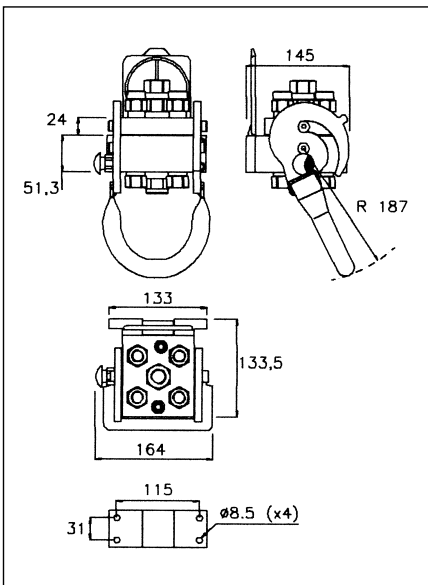
Patent Applications Pending



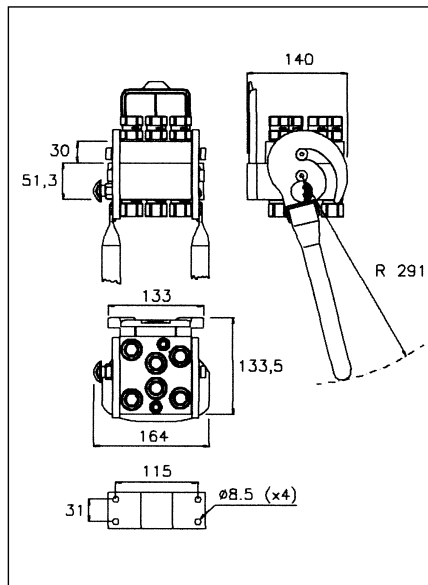
Version **2P505** Three lines 1/4" size
Two lines 3/8" size



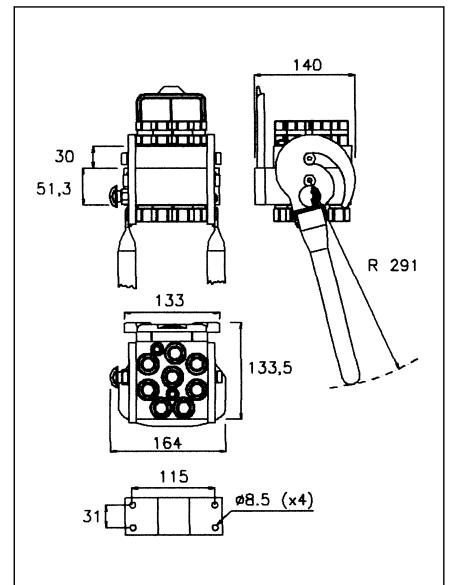
Version **2P506** Four lines 3/8" size



Version **2P506-1** Four lines 3/8" size
One line 1/2" size



Version **2P5066** Six lines 3/8" size



Version **2P5068** Eight lines 3/8" size

The descriptions and illustrations in this catalogue are for information only and not binding.



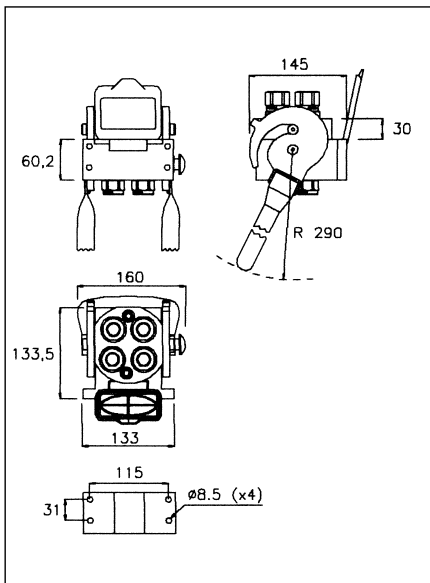
2P5068

Patent Applications Pending

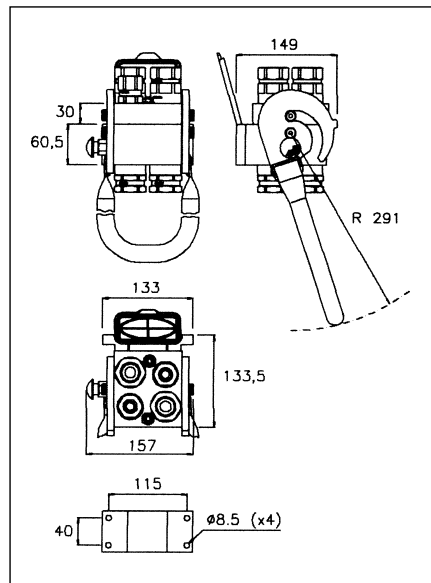


2P508

Patent Applications Pending



Version **2P508** Four lines 1/2" size



Version **2P510** Two lines 1/2" size
Two lines 3/4" size

Available versions

► For complete codes see at pages 23-24-25

▶ **3P5... version**

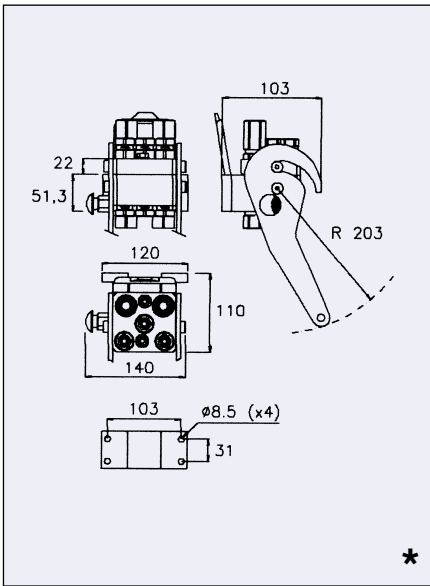
• From 4 to 8 lines Multifaster



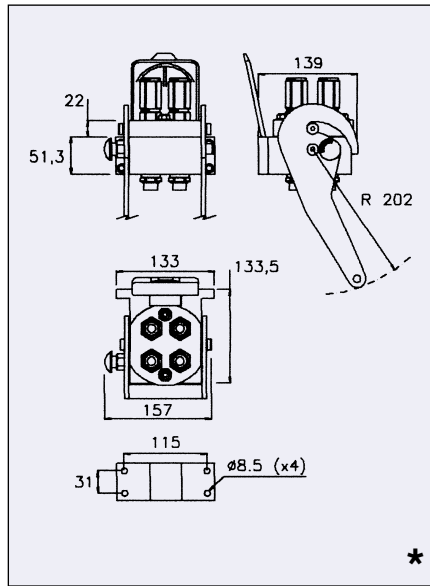
3P506



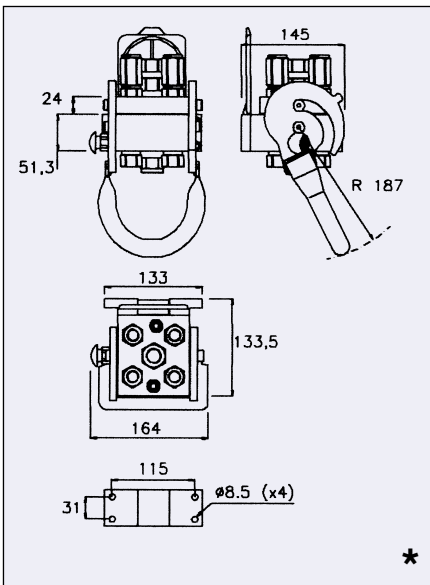
Patent Applications Pending



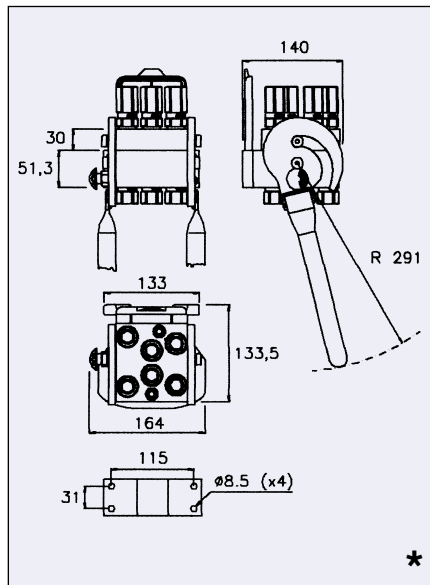
Version **3P505** Three lines 1/4" size
Two lines 3/8" size



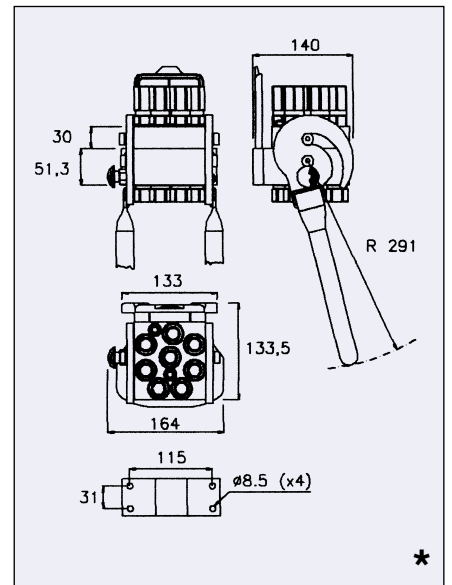
Version **3P506** Four lines 3/8" size



Version **3P506-1** Four lines 3/8" size
One line 1/2" size



Version **3P5066** Six lines 3/8" size



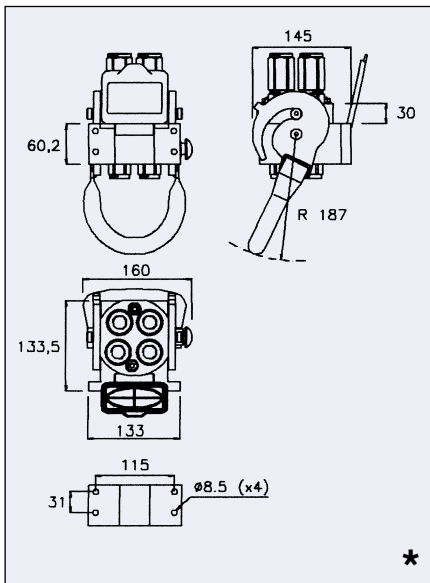
Version **3P5068** Eight lines 3/8" size

The descriptions and illustrations in this catalogue are for information only and not binding.

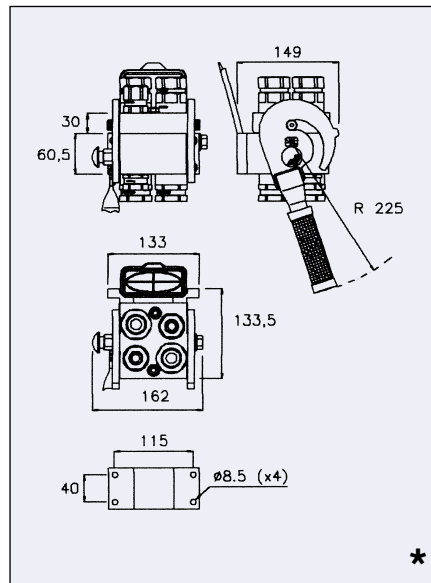


3P508

Patent
Applications
Pending



Version **3P508** Four lines 1/2" size



Version **3P510** Two lines 1/2" size
Two lines 3/4" size

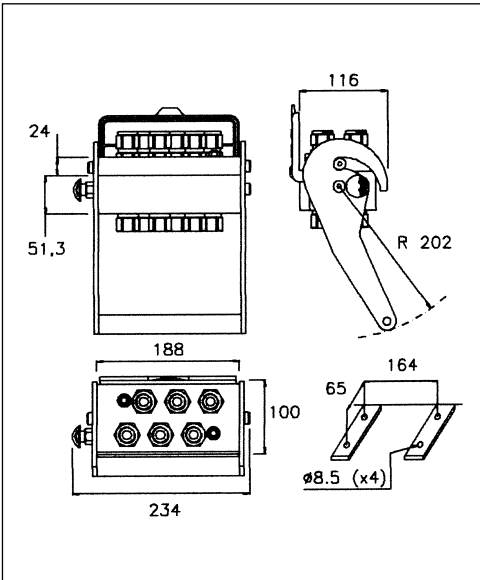
Available versions

► For complete codes see at pages 23-24-25

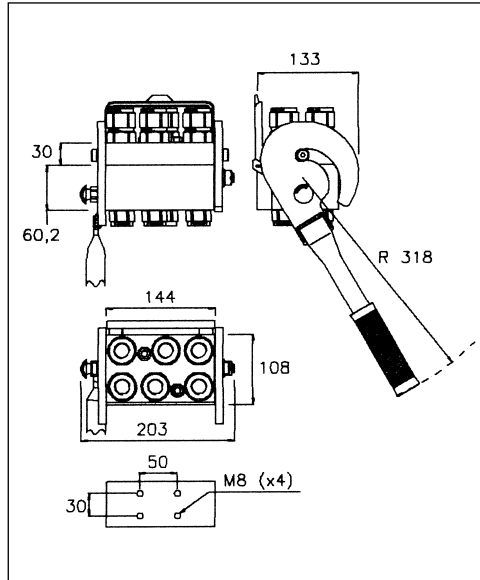
* The short lever is available on request. Standard lever is the one assembled on 2P series MULTIFASTER.

▶ **2P6...3P6 version**

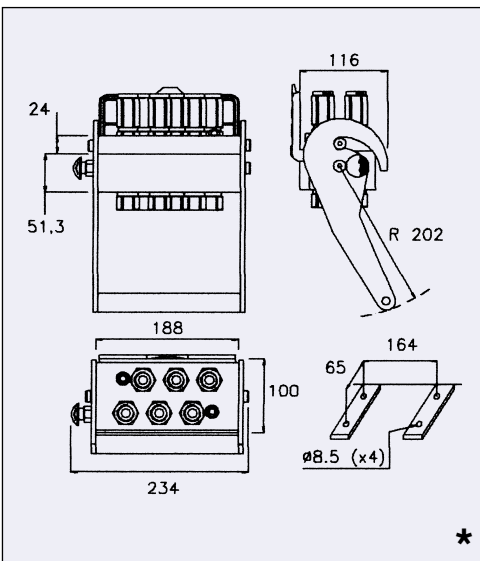
- 6 lines Multifaster
- It is possible to fit 3 or 7 electrical connectors into 1/2" seats (see page 29)
- Both 2P... and 3P... versions available



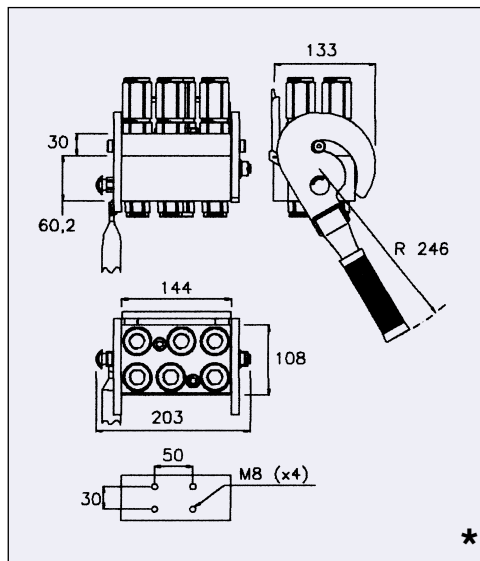
Version **2P606** Six lines 3/8" size



Version **2P608** Six lines 1/2" size



Version **3P606** Six lines 3/8" size *



Version **3P608** Six lines 1/2" size *

Available versions
▶ For complete codes see at pages 23-24-25

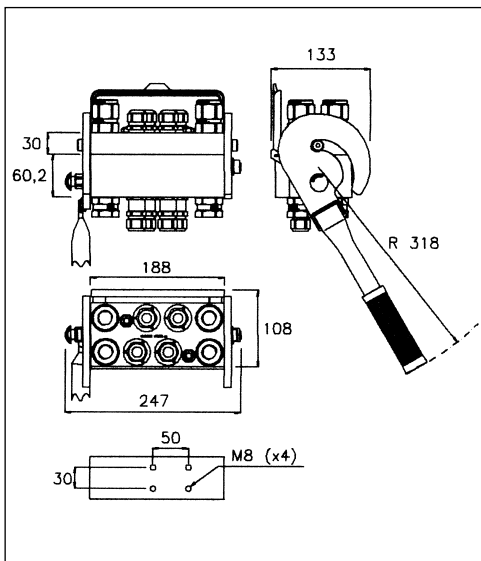
* The short lever is available on request. Standard lever is the one assembled on 2P series MULTIFASTER.

► **2P8... 3P8... version**

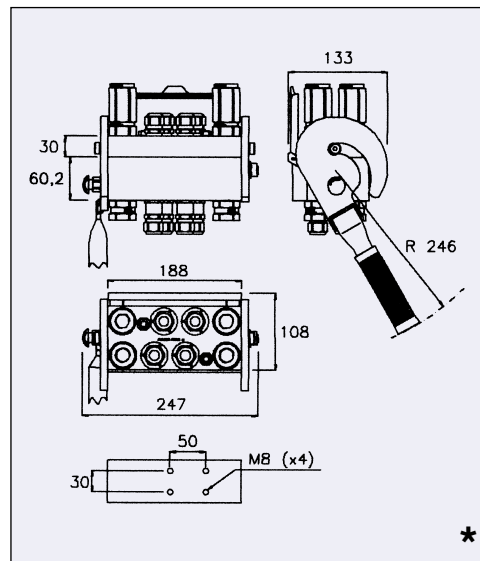
- 8 lines Multifaster
- It is possible to fit 3 or 7 electrical connectors into 1/2" seats (see at page 29)
- Both 2P... and 3P... versions available



Patent
Applications
Pending



Version **2P808** Eight lines 1/2" size



Version **3P808** Eight lines 1/2" size

Available versions

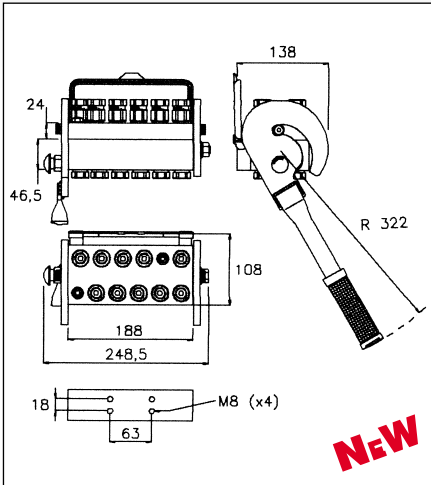
► For complete codes see at pages 23-24-25

★ The short lever is available on request. Standard lever is the one assembled on 2P series MULTIFASTER.



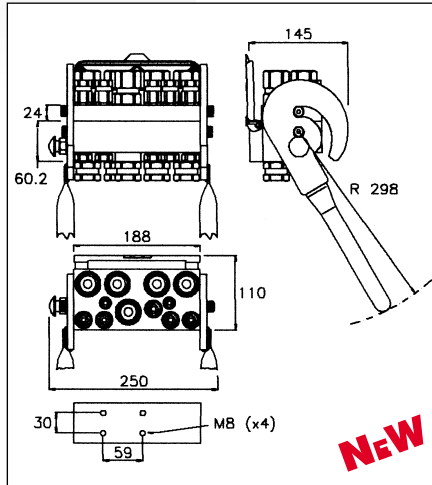
▶ **2P10... version**

- 10 lines Multifaster
- It is possible to fit 3 or 7 electrical connectors into 1/2" seats (see at page 29)



NEW

Version **2P1004** Ten lines 1/4" size



NEW

Version **2P10A** Five lines 1/4" size
Five lines 1/2" size

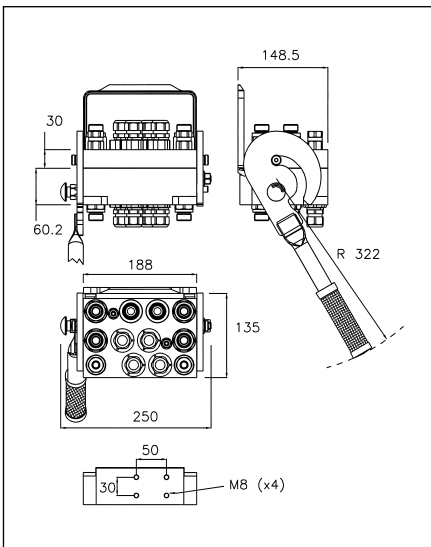
▶ **2P12... 3P12 version**

- 12 lines Multifaster
- It is possible to fit 3 or 7 poles electrical connectors into 1/2" seats (see at page 29)
- Multifaster with the highest number of lines

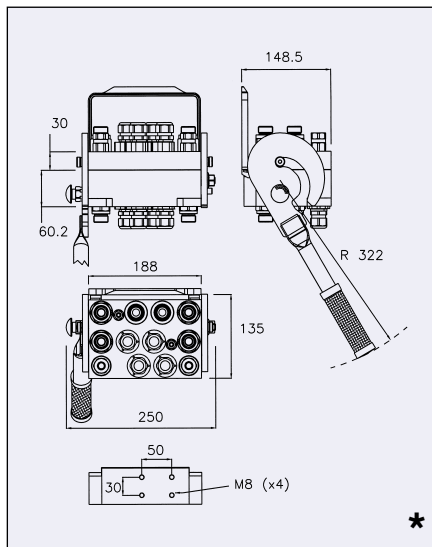
Available versions

▶ For complete codes see at pages 23-24-25

★ The short lever is available on request. Standard lever is the one assembled on 2P series MULTIFASTER.



Version **2P12A** Ten lines 1/2" size
Two lines 1/4" size



Version **3P12A** Ten lines 1/2" size
Two lines 1/4" size

The descriptions and illustrations in this catalogue are for information only and not binding.



Version **2P10**



Patent Applications Pending

Version **2P12**
3P12



Patent Applications Pending

► **2PS... 3PS... version**

- Multifaster to be mounted directly on the valve
- Purposely designed to connect the hydraulic front loader to the tractor
- It is possible to fit 3 or 7 poles electrical connectors into 1/2" seats (see at page 29)
- Both 2P... and 3P... versions available



3PS06-1



2PS06-1



Patent Applications Pending

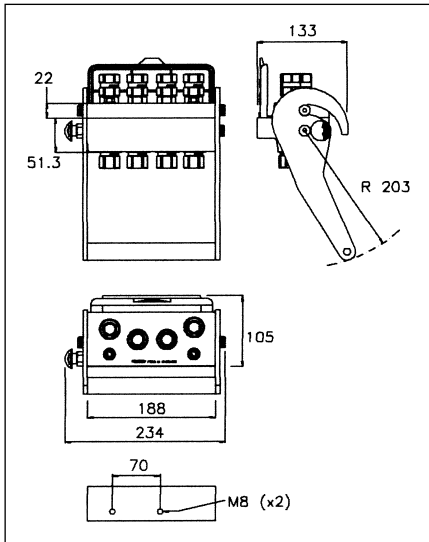
To be assembled on valves:

Walvoil SDM143/DLM142 Series
Nimco CV 452/462 Series
Nordhydraulic RMF 200 Series

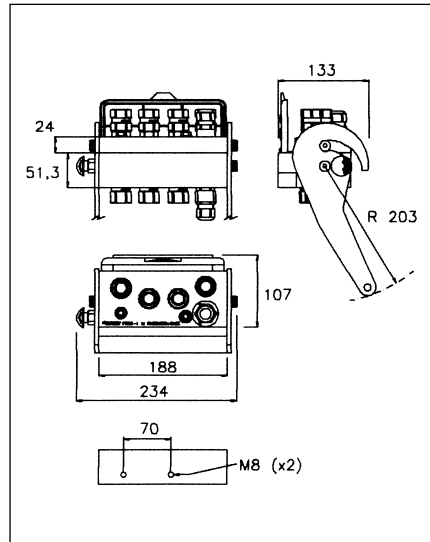
Available versions

► For complete codes see at pages 23-24-25

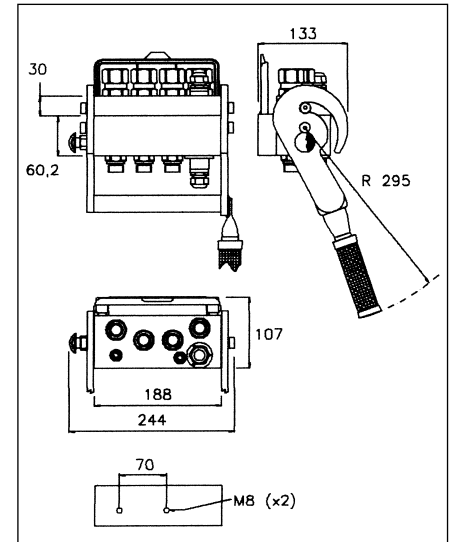
★ The short lever is available on request. Standard lever is the one assembled on 2P series MULTIFASTER.



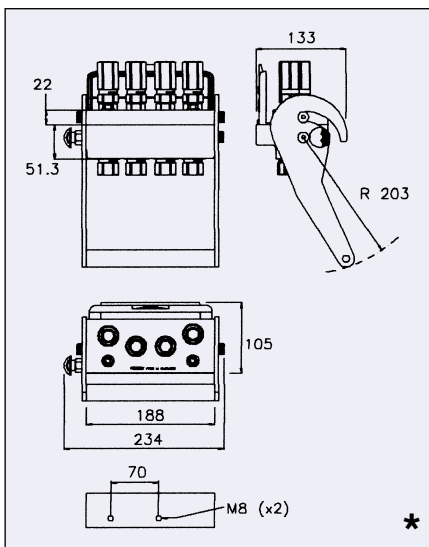
Version **2PS06** Four lines 3/8" size



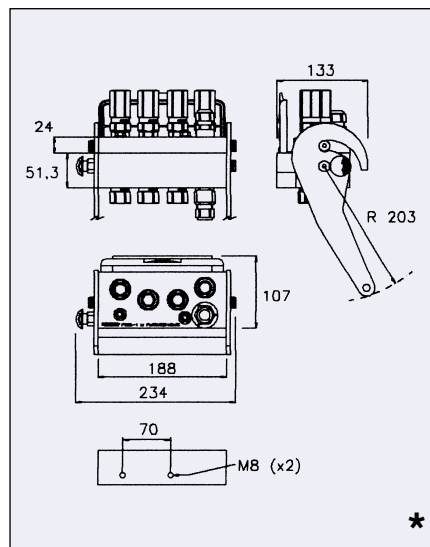
Version **2PS06-1** Four lines 3/8" size
One line 1/2" size



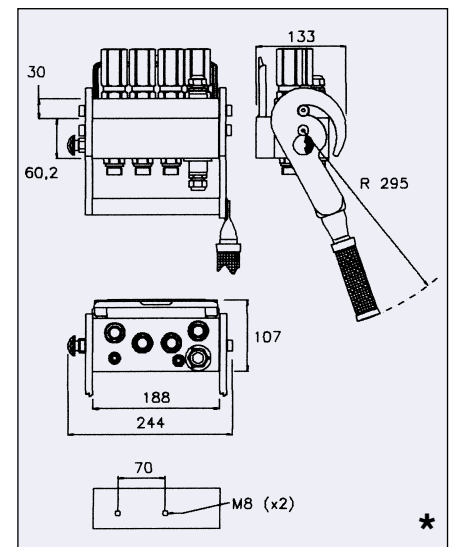
Version **2PS08** Five lines 1/2" size



Version **3PS06** Four lines 3/8" size



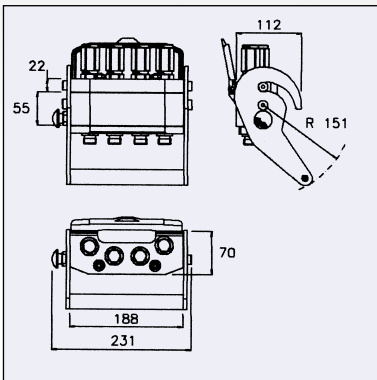
Version **3PS06-1** Four lines 3/8" size
One line 1/2" size



Version **3PS08** Five lines 1/2" size

► **3PD... version**

- Multifaster to be integrated on the valve
- They form a single compact block with the valve itself
- Purposely designed to connect the hydraulic front loader to the tractor



Version **3PD06** Four lines 3/8" size



In the picture an application of MULTIFASTER **3PD06** mounted on the valve

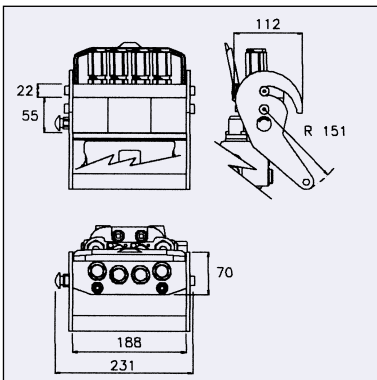
**To be assembled on valve:
Walvoil SDM143/DLM142 Series**



Patent Applications Pending

► **3PW... version**

- Multifaster to be assembled (like 3PD... series) integrated on a similar valve
- They form a single compact block with the valve itself
- Purposely designed to connect the hydraulic front loader to the tractor



Version **3PW06** Four lines 3/8" size

**To be assembled on valve:
Walvoil SDM102/2P Series**



Patent Applications Pending

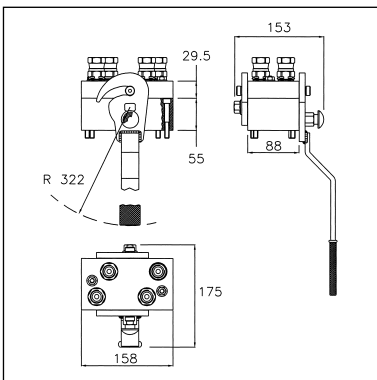
► **2PA...3PA version**

- 4 lines Multifaster
- Excellent balance between compactness and versatility
- Both 2P... and 3P... versions available

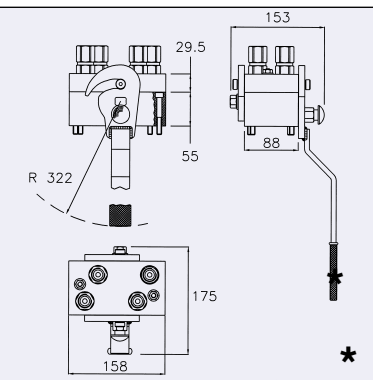
Available versions

► **For complete codes see at pages 23-24-25**

★ **The short lever is available on request. Standard lever is the one assembled on 2P series MULTIFASTER.**



Version **2PA06** Four lines 3/8" size



Version **3PA06** Four lines 3/8" size



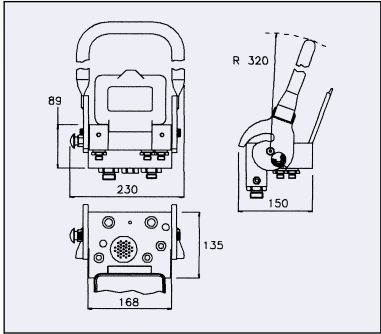
Patent Applications Pending

The descriptions and illustrations in this catalogue are for information only and not binding.

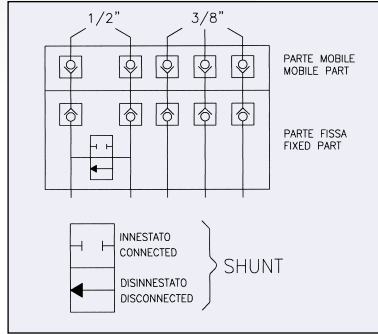
3P6S1... version

- Special Multifaster for harvesting applications
- Electrical connection 31 poles
- Central shunt valve between 1/2" lines: shunts two lines with Multifaster disconnected
- Available on request

On request



Version **3P6S1** Two lines 1/2" size
Three lines 3/8" size
31 poles electrical connector
1/2" - 1/2" shunt



Hydraulic layout

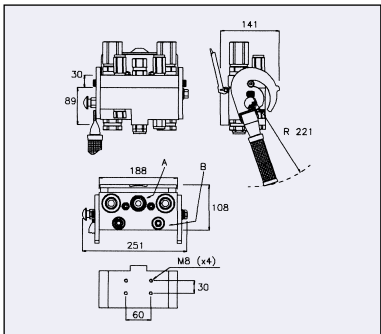
Version **3P6S1**

Available versions

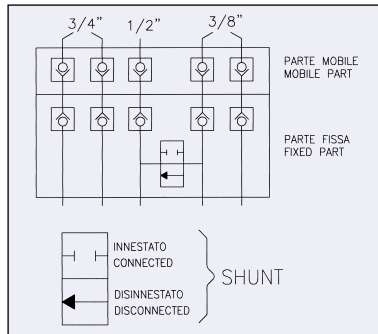
- ▶ For complete codes see at pages 23-24-25
- ▶ For spare parts see at page 27

3P5S1... version

- Special Multifaster for harvesting applications
- Central shunt valve between 1/2" and 3/8" lines: shunts two lines with Multifaster disconnected
- Available on request



Version **3P5S1** Two lines 3/8" size
Two lines 3/4" size
One line 1/2" size
3/8" - 1/2" shunt



Hydraulic layout

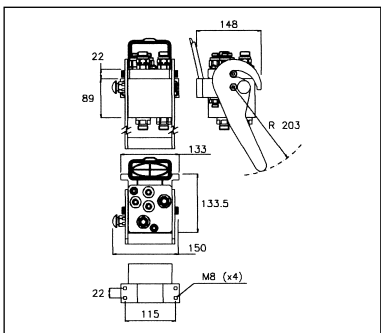
Version **3P5S1**



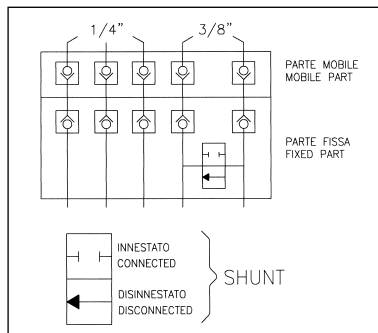
Patent Applications Pending

2P5S3... version

- Central shunt valve between 3/8" lines: shunts two lines with Multifaster disconnected
- Available on request



Version **2P5S3** Three lines 1/4" size
Two lines 3/8" size
3/8" - 3/8" shunt



Hydraulic layout

Version **2P5S3**

The descriptions and illustrations in this catalogue are for information only and not binding.

▶ Use instructions

The **MULTIFASTER** is a semiautomatic **patented** system which allows the simultaneous connection of several hydraulic, electrical and pneumatic lines. Connection is achieved thanks to a lever linked to a cam which allows the progressive moving on the mobile part to the fixed one. As shown in the drawing beside.

To connect the Multifaster:

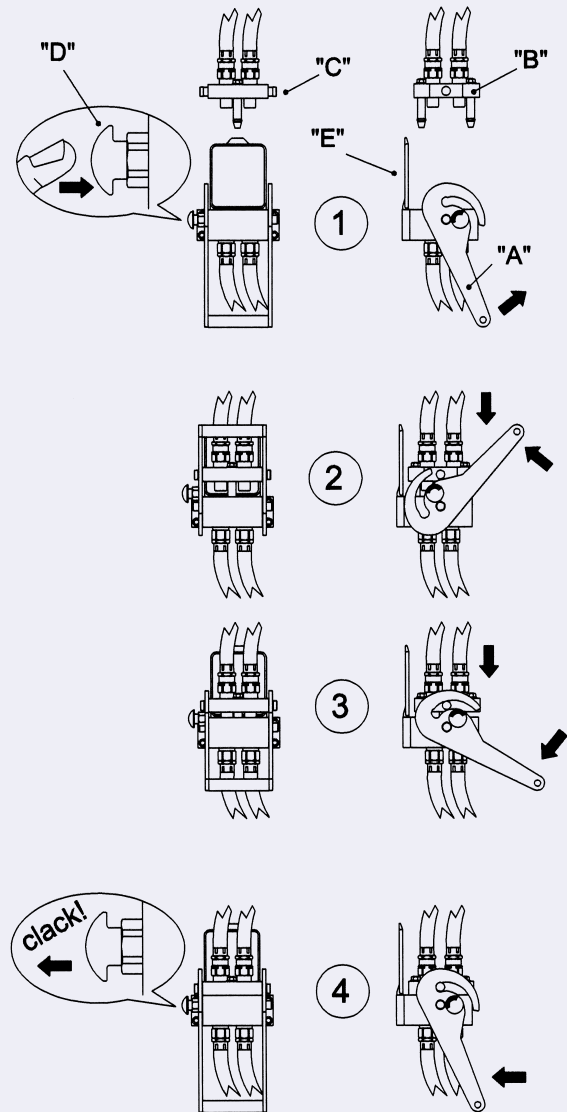
- Pick-up dust cover "E" on the fixed part avoiding extra-strokes that could damage the hinges
- Push the safety button "D"
- In the same time lift up the lever "A"
- Put the mobile part "B" on the fixed one
- Engage the reference pins in the proper holes
- Lean the rolling pins "C" on the cams profiles "A"
- Turn down the lever "A" till stop
- Connection is achieved once the safety button "D" springs automatically

To disconnect the Multifaster:

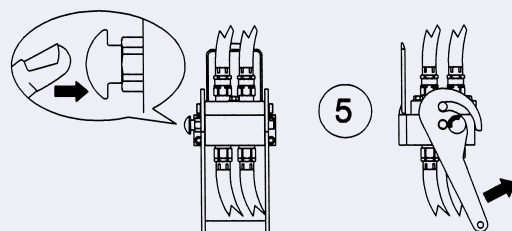
- Hold in a firm way the lever "A"
- Push the safety button "D"
- Lift up the lever "A" till the rolling pins "C" are free from the cams profiles
- Place the mobile part "B" on the suitable support (available on request see at page 30)
- Close the protection cap "E" on the fixed part

On **MULTIFASTER 2P** series, connection under pressure is allowed thanks to the lever and the special **patented** internal design of the coupling.
MULTIFASTER 3P series are equipped with new flat-face couplings **3FFNP** series.
MULTIFASTER 3P series are available with a shorter lever on request, being connectable under full working pressure with less efforts.
 The special **patented** flat shape of the **MULTIFASTER** system prevents oil leaking during connection and disconnection phases and helps to reach faster and easier cleaning to ensure a longer service life.

Connection steps



Disconnection steps



► **Technical information**

► **Technical data**
2P Multifaster series couplings

Size	DN Nominal diameter		Rated flow		Max. working pressure *		Pressure peak		Minimal burst pressure						Fluid spillage cc max.
	mm	inc.	l/min	GPM	MPa	PSI	MPa	PSI	Connected		Male		Female		
									MPa	PSI	MPa	PSI	MPa	PSI	
04 1/4"	7	0,27	20	5,29	25	3625	35	5075	130	18850	130	18850	100	14500	0,008
06 3/8"	9	0,35	40	10,58	25	3625	35	5075	100	14500	100	14500	100	14500	0,01
08 1/2"	12	0,47	70	18,52	25	3625	35	5075	100	14500	100	14500	100	14500	0,02
12 3/4"	16	0,63	125	33,07	25	3625	35	5075	105	15225	100	14500	100	14500	0,02

*Safety factor = 1:4 in connected position - for static pressure safety factor = 1:2

Pressure drop graph:

Test bench to ISO 7241-2 specifications with ISO VG32 oil at 40°C (104°F)

Materials:

- Base in aluminium.
- Cathaphoresis coating treatment.
- Male in zinc plated steel with Cr III passivation.
- Female in zinc plated steel with Cr III passivation.
- Springs in C98 steel.

Seals:

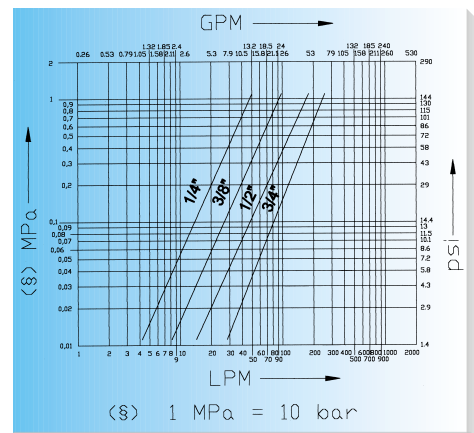
- Standard in Polyurethane.
- On request: Viton, Neoprene, EPDM.

Antiextrusion rings:

in pure PTFE.

Working temperatures:

with standard seals in Polyurethane from -25°C (-13°F) to +100°C (212°F).
For higher temperature, the quick-release coupling will be supplied with all components in steel and with the appropriate seals.



► **Technical data**
3P Multifaster series couplings

Size	DN Nominal diameter		Rated flow		Max. working pressure *		Pressure peak		Minimal burst pressure						Fluid spillage cc max.
	mm	inc.	l/min	GPM	MPa	PSI	MPa	PSI	Connected		Male		Female		
									MPa	PSI	MPa	PSI	MPa	PSI	
06 3/8"	9	0,35	40	10,52	25	3625	35	5075	100	14500	100	14500	100	14500	0,01
08 1/2"	12	0,47	70	18,52	25	3625	35	5075	100	14500	100	14500	100	14500	0,02
12 3/4"	16	0,63	105	27,78	25	3625	35	5075	105	15225	100	14500	100	14500	0,02
16 1"	18	0,70	150	39,68	25	3625	35	5075	110	15950	100	14500	100	14500	0,02
24 1\" 1/2"	25	0,99	320	84,66	25	3625	35	5075	120	20300	120	20300	100	14500	0,02

*Safety factor = 1:4 in connected position - for static pressure safety factor = 1:2

Pressure drop graph:

Test bench to ISO 7241-2 specifications with ISO VG32 oil at 40°C (104°F).

Materials:

- Base in aluminium.
- Cathaphoresis coating treatment.
- Male in zinc plated steel with Cr III passivation.
- Female in zinc plated steel with Cr III passivation.
- Springs in C98 steel.

Seals:

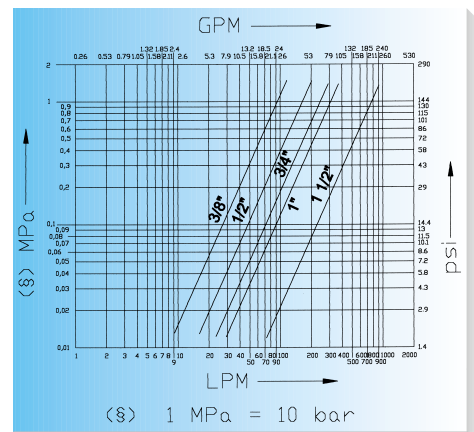
- Standard in Polyurethane.
- On request: Viton, Neoprene, EPDM.

Antiextrusion rings:

in pure PTFE.

Working temperatures:

with standard seals in Polyurethane from -25°C (-13°F) to +100°C (+212°F).
For higher temperature, the quick-release coupling will be supplied with all components in steel and with the appropriate seals.



MULTIFASTER's resistance check

Multifaster resistance depends on the number of lines under pressure at the same time, on their size and on the maximum working pressure expected for each one of them. The following relation has to be satisfied:

$$R < R_{max}$$

where $R = R_1 + R_2 + R_3 + \dots + R_n$

with $R_1 = P_1 * Q_1 * S_1$
 $R_2 = P_2 * Q_2 * S_2$
 $R_3 = P_3 * Q_3 * S_3$

$$R_n = P_n * Q_n * S_n$$

and with P_n maximum working pressure for the coupling size "n" in MPa

Q_n number of couplings size "n" under pressure at the same time

S_n hydrostatic pushing area for the coupling size "n" (table 2)

R_{max} maximum allowed resistance (table 1) in Newton (N)

Table 1 - Maximum allowed resistance values

MULTIFASTER		Rmax (N)
Version 2P	Version 3P	
-	3P112	12.000
-	3P116	16.000
-	3P124	45.000
2P206	3P206	6.300
2P208	3P208	12.000
2PB06	3PB06	7.500
2P306	3P306	12.000
-	3P316	20.000
2P404	-	10.000
2P505	3P505	16.000
2P506	3P506	17.000
2P506-1	3P506-1	20.000
2P5066	3P5066	18.500
2P5068	3P5068	20.000
2P508	3P508	20.000
2P510	3P510	20.000
2P606	3P606	17.000
2P608	3P608	27.000
2P808	3P808	26.000
2P1004	-	25.000
2P10A	-	21.000
2P12A	3P12A	31.000
2PS06	3PS06	17.000
2PS06-1	3PS06-1	15.000
2PS08	3PS08	20.000
-	3PD06	17.000
-	3PW06	17.000
2PA06	3PA06	15.000
-	3P6S1	27.000
-	3P5S1	27.000
2P5S3	-	16.000

Table 2 - Hydrostatic pushing area

Size	Area (mm²)
04 (1/4")	72
06 (3/8")	125
08 (1/2")	175
12 (3/4")	330
16 (1")	437
24 (1" 1/2")	1238

safety factor 1:2

Example

To check if the 2P510 MULTIFASTER resists to the working conditions of below application:

- no. 1 line 3/4" size with maximum working pressure of 5 MPa (50 bar) - 725 PSI
- no. 1 line 3/4" size with maximum working pressure of 15 MPa (150 bar) - 2175 PSI
- no. 2 lines 1/2" size with maximum working pressure of 8 MPa (80 bar) - 1160 PSI

it is necessary to satisfy the following relation:

$$(5 \times 330 \times 1) + (15 \times 330 \times 1) + (8 \times 175 \times 2) = 9.400 \text{ N} < 20.000$$

where
 330 mm² is the hydrostatic pushing area for the 3/4" size coupling (see Tab. 2)
 175 mm² is the hydrostatic pushing area for the 1/2" size coupling (see Tab. 2)
 20.000 N is the maximum resistance of the 2P510 system (see Tab. 1)

Being the relation true the **2P510 MULTIFASTER** system is **suitable** for the above mentioned application.

► Coding system

Find out the complete **MULTIFASTER** ordering code from the following tables.

MULTIFASTER		N° of electrical connections	N° of couplings	Thread	Suffix
Series 2P See at page 24	Series 3P Table P	Table Q see at page 24	Table R see at page 24	Table S see at page 25	
-	3P112	1=one connection 3 poles	1=one coupling	14 G	FC=fixes part
-	3P116	2=two connections 3 poles	2=two couplings	14N	MC=mobile part
-	3P124	3=three connections 3 poles	3=three couplings	12G	...=complete
2P206	3P206	.....	.....	.....
2P208	3P208	.....	.....	.....
2PB06	3PB06	.....	.....	.....
2P306	3P306	8=eight connections 3 poles	8=eight couplings	.....
-	3P316	A=one connection 7 poles		.....
2P404	-	B=two connections 7 poles		.....
2P505	3P505	C=three connections 7 poles		.....
2P506	3P506	.....		2/2215	
2P506-1	3P506-1	.....		.....
2P5066	3P5066	H=eight connections 7 poles		.....
2P5068	3P5068			.....
2P508	3P508			.....
2P510	3P510			11/34 S	
2P606	3P606			.....
2P608	3P608			.....
2P808	3P808			.....
2P1004	-			.....
2P10A	-			.....
2P12A	3P12A			.....
2PS06	3PS06			.....
2PS06-1	3PS06-1			.....
2PS08	3PS08			.....
-	3PD06			.....
-	3PW06			.....
2PA06	3PA06			.....
-	3P6S1			.....
-	3P5S1			.....
2P5S3	-			.....

► * For MULTIFASTER with different couplings sizes and different threads contact FASTER Technical Dept.

Example

P	Q	R	S	U
2P508	1	3	12G	MC

2P508-1-3-12GMC = MULTIFASTER version 2P508 (see Table **P**) with n. 1 electrical connection 3 poles (see Table **Q**) with n. 3 hydraulic couplings (see Table **R**) with female 1/2" size BSP thread (see Table **S**) mobile part.

The descriptions and illustrations in this catalogue are for information only and not binding.



▶ **Complete ordering code**

Follow the scheme at page 23 and refer to the following tables to find out the complete ordering code for standard **MULTIFASTER**.

TABLE P

Within this table, MULTIFASTER versions currently available are listed.

TABLE Q

Within this table, number of electrical connectors currently available are listed for each MULTIFASTER version.

TABLE R

Within this table, number of hydraulic quick-release couplings currently available are listed for each MULTIFASTER version.



TABLE P	
MULTIFASTER series	
2P version	3P version
-	3P112
-	3P116
-	3P124
2P206	3P206
2P208	3P208
2PB06	3PB06
2P306	3P306
-	3P316
2P404	-
2P505	3P505
2P506	3P506
2P506-1	3P506-1
2P5066	3P5066
2P5068	3P5068
2P508	3P508
2P510	3P510
2P606	3P606
2P608	3P608
2P808	3P808
2P1004	-
2P10A	-
2P12A	3P12A
2PS06	3PS06
2PS06-1	3PS06-1
2PS08	3PS08
-	3PD06
-	3PW06
2PA06	3PA06
-	3P6S1
-	3P5S1
2P5S3	-

TABLE Q	
ELECTRICAL CONNECTIONS	N° POLES
0	-
0	-
0	-
0	-
0-1	3-7
0	-
0-1	3-7
0	-
0	-
0	-
0-1	3-7
0	-
0	-
0-1-2	3-7
0-1-2	3-7
0	-
0-1-2	3-7
0-1-2-3-4	3-7
0	-
0-1-2	3-7
0-1-2-3-4	3-7
0	-
0-1	3-7
0-1	3-7
0	-
0	-
0	-
0-1	31
-	-
-	-

TABLE R
COUPLINGS
1
1
1
1-2
1-2
1-2
1-2-3
1-2-3
1-2-3-4
1-2-3-4-5
1-2-3-4
1-2-3-4-5
1-2-3-4-5-6
1-2-3-4-5-6-7-8
1-2-3-4
1-2-3-4
1-2-3-4-5-6
1-2-3-4-5-6
1-2-3-4-5-6-7-8
1-2-3-4-5-6-7-8-9-10
1-2-3-4-5-6-7-8-9-10
1-2-3-4-5-6-7-8-9-10-11-12
1-2-3-4
1-2-3-4-5
1-2-3-4-5
1-2-3-4
1-2-3-4
1-2-3-4
1-2-3-4-5
1-2-3-4-5
1-2-3-4-5

► Available threads

Within this table, threads configurations currently available are listed.

► TABLE S

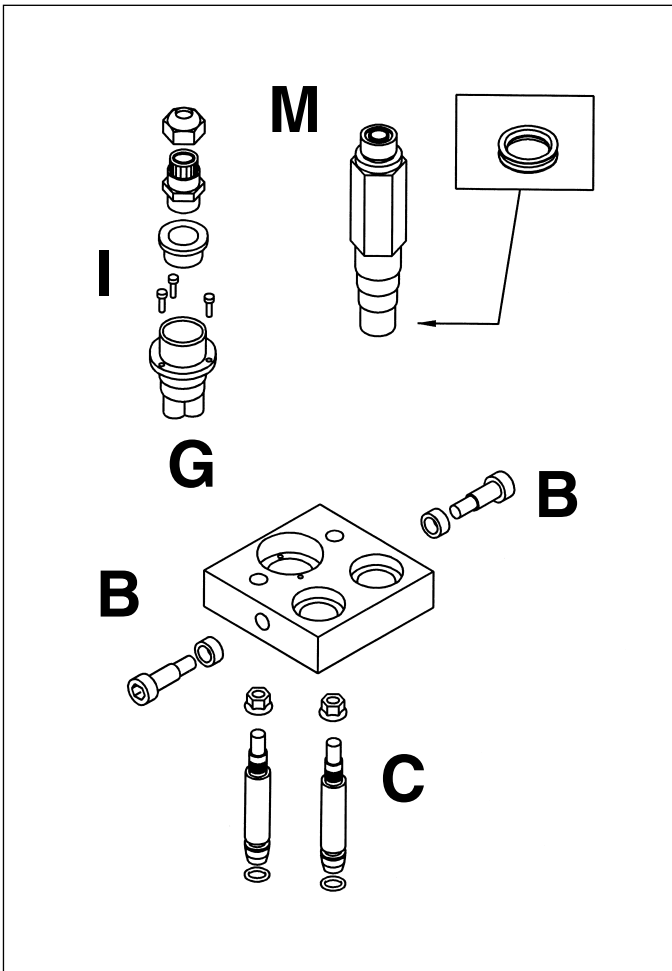
	Size	Size	Size	Size	Size	Size	S Thread code	Thread	Standards
	04	06	08	12	16	24	14 G	1/4" BSP	DIN 3852-2-X
							14 N	1/4" NPT	ANSI B1.20.3
							38 G	3/8" BSP	DIN 3852-2-X
							38 N	3/8" NPT	ANSI B1.20.3
							12 G	1/2" BSP	DIN 3852-2-X
							12 N	1/2" NPT	ANSI B1.20.3
	04	06	08	12	16	24	34 G	3/4" BSP	DIN 3852-2-X
							34 N	3/4" NPT	ANSI B1.20.3
							1 G	1" BSP	DIN 3852-2-X
							1 N	1" NPT	ANSI B1.20.3
							114 G	1 1/4" BSP	DIN 3852-2-X
							114 N	1 1/4" NPT	ANSI B1.20.3
	04	06	08	12	16	24	112 G	1 1/2" BSP	DIN 3852-2-X
							112 N	1 1/2" NPT	ANSI B1.20.3
							14 S	7/16" UNF	SAE J1926-1
							38 S	9/16" UNF	SAE J1926-1
							12 S	3/4" UNF	SAE J1926-1
							34 S	1 1/16" UN	SAE J1926-1
	04	06	08	12	16	24	1 S	1 5/16" UN	SAE J1926-1
							114 S	1 5/8" UN	SAE J1926-1
							112 S	1 7/8" UN	SAE J1926-1
							1/14 S	7/16" UNF	SAE J1926-3
							1/38 S	9/16" UNF	SAE J1926-3
							1/12 S	3/4" UNF	SAE J1926-3
	04	06	08	12	16	24	1/34 S	1 1/16" UN	SAE J1926-3
							1/1 S	1 5/16" UN	SAE J1926-3
							1/114 S	1 5/8" UN	SAE J1926-3
							1/112 S	1 7/8" UN	SAE J1926-3
							2/1415	M14x1,5	ISO 8434-1-L
							2/1615	M16x1,5	ISO 8434-1-L
	04	06	08	12	16	24	2/1815	M18x1,5	ISO 8434-1-L
							2/2015	M20x1,5	ISO 8434-1-L
							2/2215	M22x1,5	ISO 8434-1-L
							2/2615	M26x1,5	ISO 8434-1-L
							2/302	M30x2	ISO 8434-1-L
							2/362	M36x2	ISO 8434-1-L
	04	06	08	12	16	24	3/2015	M20x1,5	ISO 8434-1-S
							3/2215	M22x1,5	ISO 8434-1-S
							3/2415	M24x1,5	ISO 8434-1-S
							3/302	M30x2	ISO 8434-1-S
							3/362	M36x2	ISO 8434-1-S
							3/422	M42x2	ISO 8434-1-S
	04	06	08	12	16	24	3/522	M52x2	ISO 8434-1-S
							11/14 S	9/16" UNF	ISO 8434-3
							11/38 S	1 1/16" UN	ISO 8434-3
							11/12 S	13/16" UN	ISO 8434-3
							11/58 S	1" UNS	ISO 8434-3
							11/34 S	1 3/16" UN	ISO 8434-3
	04	06	08	12	16	24	11/1 S	1 7/16" UN	ISO 8434-3
							11/114 S	1 11/16" UN	ISO 8434-3
							11/112 S	2" UN	ISO 8434-3
							20/38 G	3/8" BSP	ISO 8434-6
							20/12 G	1/2" BSP	ISO 8434-6

The descriptions and illustrations in this catalogue are for information only and not binding.

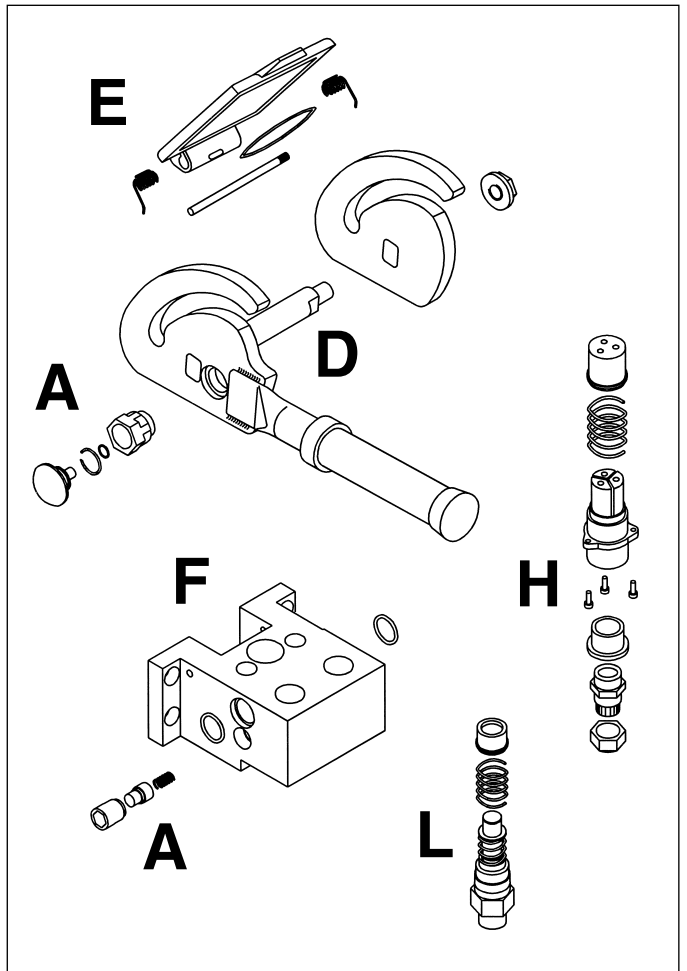
▶ Spare parts

In case MULTIFASTER components are damaged due to wear or other causes, it is possible to replace them with original FASTER® spare parts. Detailed instructions are included to achieve the correct replacement of damaged parts. Please refer to following drawings and tables for ordering codes.

▶ Mobile part



▶ Fixed part



Spare parts
▶ For complete codes see at pages 27-28

► Spare parts

MULTIFASTER		A	B	C	D	E	F	G+C+B	H		I		A+B+D+E+F
Series		Safety kit	Screw	Dowel + nut	Lever	Automatic dust cap	Fixed block part	Mobile block part	Electrical connections for fixed part		Electrical connections for mobile part		Fixed half without couplings
2P	3P								3 poles	7 poles	3 poles	7 poles	
-	3P112	KIT SP5 S	KIT VP116	KIT GP4	KIT LP112	KIT TAP2	KIT P112 F	KIT P112 M	-	-	-	-	KIT P112 F L
-	3P116	KIT SP5 S	KIT VP116	KIT GP4	KIT LP116	KIT TAP2	KIT P116 F	KIT P116 M	-	-	-	-	KIT P116 F L
-	3P124	KIT SP5 S	KIT VP124	KIT GP1	KIT LP124	KIT TAP608	KIT P124 F	KIT P124 M	-	-	-	-	KIT P124 F L
2P206	3P206	KIT SP5	KIT VP4	KIT GP4	KIT LP206	KIT TAP2	KIT P206 F	KIT P206 M	-	-	-	-	KIT P206 F L
2P208	3P208	KIT SP5	KIT VP8	KIT GP4	KIT LP208	KIT TAP2	KIT P208 F	KIT P208 M	KIT SPEL 08-3 F	KIT SPEL 08-7 F	KIT SPEL 08-3 M	KIT SPEL 08-7 M	KIT P208 F L
2PB06	3PB06	KIT SP5 S	KIT VPB06	KIT GP4	KIT LPB06	KIT TAPB06	KIT PB06 F	KIT PB06 M	-	-	-	-	KIT PB06 F L
2P306	3P306	KIT SP5	KIT VP8	KIT GP4	KIT LP208	KIT TAP2	KIT P306 F	KIT P306 M	KIT SPEL 08-3 F	KIT SPEL 08-7 F	KIT SPEL 08-3 M	KIT SPEL 08-7 M	KIT P306 F L
-	3P316	KIT SP5 S	KIT VP8	KIT GP4	KIT LPS08	KIT TAP8	KIT P316 F	KIT P316 M	-	-	-	-	KIT P316 F L
2P404	-	KIT SP5 S	KIT VP8	KIT GP4	KIT L3P306	KIT TAP2	KIT P404 F	KIT P404 M	-	-	-	-	KIT P404 F L
2P505	3P505	KIT SP5 S	KIT VP4	KIT GP4	KIT LP505	KIT TAP2	KIT P505 F	KIT P505 M	-	-	-	-	KIT P505 F L
2P506	3P506	KIT SP5	KIT VP4	KIT GP4	KIT LP506	KIT TAP5	KIT P506 F	KIT P506 M	-	-	-	-	KIT P506 F L
2P506-1	3P506-1	KIT SP5	KIT VP8	KIT GP4	KIT LP506-1	KIT TAP5	KIT P506-1 F	KIT P506-1 M	KIT SPEL 08-3 F	KIT SPEL 08-7 F	KIT SPEL 08-3 M	KIT SPEL 08-7 M	KIT P506-1 F L
2P5066	3P5066	KIT SP5 S	KIT VP8	KIT GP4	KIT LP508	KIT TAP5	KIT P5066 F	KIT P5066 M	-	-	-	-	KIT P5066 F L
2P5068	3P5068	KIT SP5	KIT VP8	KIT GP4	KIT LP508	KIT TAP5	KIT P5068 F	KIT P5068 M	-	-	-	-	KIT P5068 F L
2P508	3P508	KIT SP5	KIT VP8	KIT GP4	KIT LP508	KIT TAP5	KIT P508 F	KIT P508 M	KIT SPEL 08-3 F	KIT SPEL 08-7 F	KIT SPEL 08-3 M	KIT SPEL 08-7 M	KIT P508 F L
2P510	3P510	KIT SP5	KIT VP8	KIT GP4	KIT LP510	KIT TAP5	KIT P510 F	KIT P510 M	KIT SPEL 08-3 F	KIT SPEL 08-7 F	KIT SPEL 08-3 M	KIT SPEL 08-7 M	KIT P510 F L
2P606	3P606	KIT SP5	KIT VP4	KIT GP4	KIT LP606	KIT TAP6	KIT P606 F	KIT P606 M	-	-	-	-	KIT P606 F L
2P608	3P608	KIT SP5	KIT VP8	KIT GP4	KIT LP608	KIT TAP608	KIT P608 F	KIT P608 M	KIT SPEL 08-3 F	KIT SPEL 08-7 F	KIT SPEL 08-3 M	KIT SPEL 08-7 M	KIT P608 F L
2P808	3P808	KIT SP5	KIT VP8	KIT GP8	KIT LP808	KIT TAP8	KIT P808 F	KIT P808 M	KIT SPEL 08-3 F	KIT SPEL 08-7 F	KIT SPEL 08-3 M	KIT SPEL 08-7 M	KIT P808 F L
2P1004	-	KIT SP5 S	KIT VP8	KIT GP4	KIT LP808	KIT TAP8	KIT P1004 F	KIT P1004 M	-	-	-	-	KIT P1004 F L
2P10A	-	KIT SP5 S	KIT VP8	KIT GP4	KIT LP10A	KIT TAP8	KIT P10A F	KIT P10A M	KIT SPEL 08-3 F	KIT SPEL 08-7 F	KIT SPEL 08-3 M	KIT SPEL 08-7 M	KIT P10A F L
2P12A	3P12A	KIT SP5	KIT VP8	KIT GP4	KIT LP808	KIT TAP12A	KIT P12A F	KIT P12A M	KIT SPEL 08-3 F	KIT SPEL 08-7 F	KIT SPEL 08-3 M	KIT SPEL 08-7 M	KIT P12A F L
2PS06	3PS06	KIT SP5	KIT VP4	KIT GP4	KIT LP606	KIT TAP6	KIT PS06 F	KIT PS06 M	-	-	-	-	KIT PS06 F L
2PS06-1	3PS06-1	KIT SP5	KIT VP4	KIT GP4	KIT LP606	KIT TAP6	KIT PS06-0 F	KIT PS06-0 M	KIT SPEL 08-3 FS	KIT SPEL 08-7 FS	KIT SPEL 08-3 MS	KIT SPEL 08-7 MS	KIT PS06-0 F L
2PS08	3PS08	KIT SP5	KIT VP8	KIT GP4	KIT LPS08	KIT TAP6	KIT PS08 F	KIT PS08 M	KIT SPEL 08-3 F	KIT SPEL 08-7 F	KIT SPEL 08-3 M	KIT SPEL 08-7 M	KIT PS08 F L
-	3PD06	KIT SP5	KIT VP4	KIT GP4	KIT LPD06	KIT TAPD06	KIT PD06 F	KIT PD06 M	-	-	-	-	KIT PD06 F L
-	3PW06	KIT SP5 S	KIT VP4	KIT GP4	KIT LPW06	KIT TAPD06	KIT PW06 F	KIT PW06 M	-	-	-	-	KIT PW06 F L
2PA06	3PA06	KIT SP5	KIT VPA 06	KIT GP4	KIT LPA06	-	KIT PA06 F	KIT PA06 M	-	-	-	-	KIT PA06 F L
-	3P6S1	KIT SP5	KIT VP8	KIT GP4	KIT LP6S1	KIT TAP6S1	KIT P6S1 F	KIT P6S1 M	KIT SPEL 32-31 F	(31 poles)	KIT SPEL 32-31 M	(31 poles)	KIT P6S1 F L
-	3P5S1	KIT SP5	KIT VP116	KIT GP8	KIT LP5S1	KIT TAP8	KIT P5S1 F	KIT P5S1 M	-	-	-	-	KIT P5S1 F L
2P5S3	-	KIT SP5	KIT VP4	KIT GP4	KIT LP506	KIT TAP5S3	KIT P5S3 F	KIT P5S3 M	-	-	-	-	KIT P5S3 F L

Special couplings for Shunt		
Size	Code	
06	3/8"	KIT 2FNR 38...F
08	1/2"	KIT 2FNR 12...F
Shunt spare		
KIT GDP		

Spare seals for the male coupling		
Size	Code	
04	1/4"	KIT 2FFNP14 M
06	3/8"	KIT 2FFNP38 M
08	1/2"	KIT 2FFNP12 M
12	3/4"	KIT 2FFNP34 M
16	1"	KIT 2FFNP1 M
24	1 1/2"	KIT 2FFNP112 M

Threaded end	Size	Ø A	L Female coupling 2P Series	M Male coupling 2P Series	M Male coupling 3P Series
	04 (1/4")	1/4" BSP	KIT2FNB14GAS F	KIT2FNP14GAS M	-
	06 (3/8")	3/8" BSP	KIT2FNB38GAS F	KIT2FNP38GASM	KIT3FNP38GAS M
		1/2" BSP	KIT2FNB38-12G F	KIT2FNP38-12GM	KIT3FNP38-12G M
		3/8" NPT	KIT2FNB38NPT F	KIT2FNP38NPT M	* KIT3FNP38NPT M
		1/2" NPT	KIT2FNB38-12N F	KIT2FNP38-12NM	* KIT3FNP38-12N M
	08 (1/2")	1/2" BSP	KIT2FNB12GAS F	KIT2FNP12GAS M	KIT3FNP12GAS M
		3/4" BSP	KIT2FNB12-34GF	KIT2FNP12-34G M	* KIT3FNP12-34G M
1/2" NPT		KIT2FNB12NPT F	KIT2FNP12NPT M	* KIT3FNP12NPT M	
12 (3/4")	3/4" NPT	* KIT2FNB12-34N F	* KIT2FNP12-34N M	* KIT3FNP12-34N M	
	3/4" BSP	KIT2FNB34GAS F	KIT2FNP34GAS M	KIT3FNP34GAS M	
	1" BSP	KIT2FNB34-1G F	KIT2FNP34-1G M	* KIT3FNP34-1G M	
	3/4" NPT	KIT2FNB34NPT F	KIT2FNP34NPT M	* KIT3FNP34NPT M	
16 (1")	1" BSP	* KIT2FNB34-1N F	* KIT2FNP34-1N M	* KIT3FNP34-1N M	
	1" BSP	KIT2FNB1GAS F	* KIT2FNP1GAS M	KIT3FNP1GAS M	
24 (1 1/2")	1 1/2" BSP	KIT2FNB112 GAS F	* KIT2FNP112 GAS M	* KIT3FNP112 GAS M	
	04 (1/4")	7/16" UNF	* KIT2FNB14SAE F	* KIT2FNP14SAE M	-
	06 (3/8")	7/16" UNF	* KIT2FNB38-14SF	* KIT2FNP38-14SM	* KIT3FNP38-14SM
		9/16" UNF	KIT2FNB38-38SF	* KIT2FNP38-38SM	KIT3FNP38-38SM
	08 (1/2")	3/4" UNF	KIT2FNB38-12SF	KIT2FNP38-12SM	KIT3FNP38-12SM
		1 1/16" UN	KIT2FNB12-12SF	KIT2FNP12-12SM	* KIT3FNP12-12SM
	12 (3/4")	1 1/16" UN	KIT2FNB12-34SF	KIT2FNP12-34SM	* KIT3FNP12-34SM
		1 5/16" UN	* KIT2FNB34-34SF	* KIT2FNP34-34SM	* KIT3FNP34-34SM
16 (1")	1 5/16" UN	* KIT2FNB34-1SF	* KIT2FNP34-1SM	* KIT3FNP34-1SM	
24 (1 1/2")	1 7/8" UN	KIT2FNB1-1S F	* KIT2FNP1-1S M	KIT3FNP1S M	
	06 (3/8")	3/4" UNF	* KIT2FNB112S F	* KIT2FNP112S M	* KIT3FNP112S M
	06 (3/8")	3/4" UNF	* KIT2FNB381/12SF	* KIT2FNP381/12S	* KIT3FNP381/12S
	04 (1/4")	M16x1,5	* KIT2FNB14-2/16	* KIT2FNP14-2/16	-
	06 (3/8")	M14x1,5	* KIT2FNB38-2/14F	* KIT2FNP38-2/14M	* KIT3FNP38-2/14M
		M16x1,5	* KIT2FNB38-2/16F	* KIT2FNP38-2/16M	* KIT3FNP38-2/16M
		M18x1,5	KIT2FNB38-2/18F	KIT2FNP38-2/18M	KIT3FNP38-2/18M
		M22x1,5	KIT2FNB38-2/22F	KIT2FNP38-2/22M	KIT3FNP38-2/22M
	08 (1/2")	M18x1,5	KIT2FNB12-2/18F	KIT2FNP12-2/18M	KIT3FNP12-2/18M
		M22x1,5	KIT2FNB12-2/22F	KIT2FNP12-2/22M	KIT3FNP12-2/22M
12 (3/4")	M26x1,5	* KIT2FNB12-2/26F	* KIT2FNP12-2/26M	* KIT3FNP12-2/26M	
16 (1")	M30x2	* KIT2FNB34-2/30F	* KIT2FNP34-2/30M	* KIT3FNP34-2/30M	
24 (1 1/2")	M36x2	* KIT2FNB1-2/30	* KIT2FNP1-2/30	* KIT3FNP1-2/30	
	04 (1/4")	M20x1,5	* KIT2FNB1122/36	* KIT2FNP1122/36	* KIT3FNP1122/36
	08 (1/2")	M24x1,5	* KIT2FNB14-3/20	* KIT2FNP14-3/20	-
		M30x2	KIT2FNB12-3/24F	KIT2FNP12-3/24M	KIT3FNP12-3/24M
	12 (3/4")	M30x2	* KIT2FNB12-3/30F	* KIT2FNP12-3/30M	* KIT3FNP12-3/30M
		M36x2	KIT2FNB34-3/30F	KIT2FNP34-3/30M	KIT3FNP34-3/30M
16 (1")	M36x2	* KIT2FNB34-3/36F	* KIT2FNP34-3/36M	* KIT3FNP34-3/36M	
24 (1 1/2")	M42x2	* KIT2FNB1-3/36	* KIT2FNP1-3/36	* KIT3FNP1-3/36	
	04 (1/4")	M42x2	* KIT2FNB1123/42	* KIT2FNP1123/42	* KIT3FNP1123/42
	06 (3/8")	9/16" UNF	* KIT2FNB1411/14S	* KIT2FNP1411/14S	-
		11/16" UN	KIT2FNB3811/14S	KIT2FNP3811/14S	* KIT3FNP3811/14S
		13/16" UN	KIT2FNB3811/38S	* KIT2FNP3811/38S	KIT3FNP3811/38S
	08 (1/2")	13/16" UN	KIT2FNB3811/12S	KIT2FNP3811/12S	KIT3FNP3811/12S
		1" UNS	KIT2FNB1211/12S	KIT2FNP1211/12S	KIT3FNP1211/12S
	12 (3/4")	1" UNS	KIT2FNB1211/58S	KIT2FNP1211/58S	KIT3FNP1211/58S
13/16" UN		* KIT2FNB3411/12S	* KIT2FNP3411/12S	* KIT3FNP3411/12S	
16 (1")	1 7/16" UN	* KIT 2FNB3411/58S	* KIT2FNP3411/58S	* KIT3FNP3411/58S	
24 (1 1/2")	1 11/16" UN	KIT2FNB1-11/1S F	* KIT2FNP1-11/1S M	KIT3FNP1-11/1S M	
	04 (1/4")	3/8" BSP	KIT2FNB11211/MS	* KIT2FNP11211/MS	KIT3FNP11211/MS
	06 (3/8")	1/2" BSP	* KIT2FNB1420/38G	KIT2FNP1420/38G	-
			* KIT2FNB3820/12G	KIT2FNP3820/12G	KIT3FNP3820/12G

For threads not included in the above table please contact **Faster Research & Development Dept.**

The descriptions and illustrations in this catalogue are for information only and not binding.

► **ELECTRICAL CONNECTIONS**

Unique part structure of the electrical connection female preserves the planarity of the **MULTIFASTER** fixed part. This feature provides an easy cleaning operation and prevents dirt and/or impurities inclusion. These electrical connections (socket+plug) have been specifically designed by **FASTER Research & Development Dept.** for use with **MULTIFASTER** Series.



► **SPEL 08-3**

- Their main features are:
- Insertion in arranged seats 1/2" **MULTIFASTER** system (see "Q" Table page 24).
 - Particular gilt shape of male electrical connections (plug) on fixed half, ensures an excellent contact surface.
 - Guaranteed for 10.000 connections.
 - Standard cable terminal according to DIN 46247 4.8 Series.
 - Other terminals are available as shown in the Table 1.
 - **Ask to FASTER Research & Development Dept.**
 - 3 poles 25 Ampere completely insulated.
 - Insulating pressing cable for each electrical connection.
 - Voltage max. 48 V DC.



► **SPEL 08-7**

- Like 3 poles electrical connections they are arranged in 1/2" size seats.
- Main features:
- Connections to electrical cables to be pressure assembled.
 - Electrical contacts made of special brass.
 - 7 poles 13 Ampere completely insulated.
 - Guaranteed for 10.000 connections.
 - Insulating pressing cable for each electrical connection.
 - Cable terminals (see Table "2").
 - Voltage max. 48 V DC.

► **SPEL 32-31**

- (Only on request)
- The electrical connections can be mounted on **3P6S1 MULTIFASTER** system.
- Main features are:
- Connections to the electrical cables to be pressure assembled.
 - Electrical contacts made of special brass.
 - Guaranteed for 10.000 connections.
 - Each connection has 31 poles 13 Ampere completely insulated.
 - Cable terminals (see Table "2").
 - Voltage max. 48 V DC.



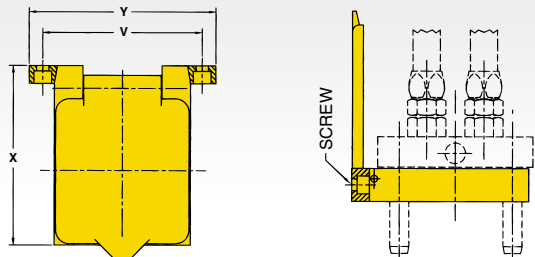
Table "1" Cable terminals available for SPEL 08-3	D	D	D
	Standard	A*	B*
D	4.8 mm	4 mm	1.9 mm
Rated current	25 A	25 A	16 A
Connecting end	Flat (DIN 46247)	Cylindrical	Cylindrical
Code	KIT CC SPEL 08	-	-

* on request

Table "2" Cable terminals available for SPEL 08-7 and SPEL 32-31	D
	Standard
D	1.55 mm
Rated current	13 A
Connecting end	Cylindrical
Code 7 poles	KIT CC SPEL 08-7
Code 31 poles	KIT CC SPEL 32-31

Mobile part support

- Holds the mobile part when Multifaster is disconnected
- Equipped with an automatic dust protection



ACCESSORIES

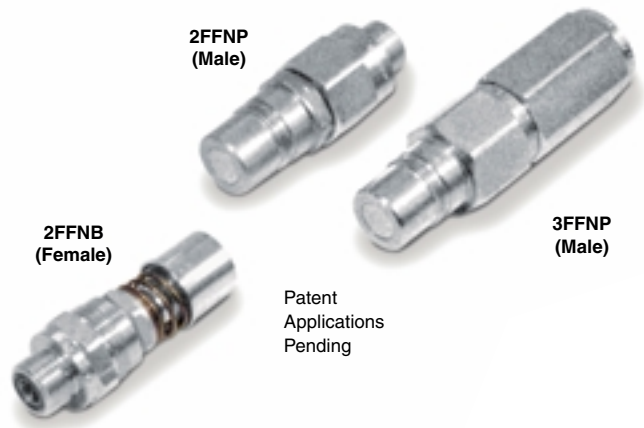
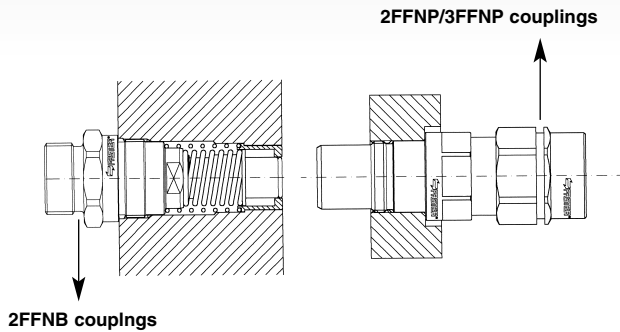
MULTIFASTER Type		Support code	mm V		mm X		mm Y		Screw
			mm	inc.	mm	inc.	mm	inc.	
-	3P112	* S P112	103	4,06	110	4,33	120	4,72	M8
-	3P116	S P116	103	4,06	110	4,33	120	4,72	M8
-	3P124	S P124	194	7,64	155	6,10	220	8,66	M12
2P206	3P206	S P2	103	4,06	110	4,33	120	4,72	M8
2P208	3P208	S P208	103	4,06	110	4,33	120	4,72	M8
2PB06	3PB06	* S PB06	-	-	-	-	-	-	-
2P306	3P306	S P306	103	4,06	110	4,33	120	4,72	M8
-	3P316	-	-	-	-	-	-	-	-
2P404	-	S P404	103	4,06	110	4,33	120	4,72	M8
2P505	3P505	S P505	103	4,06	110	4,33	120	4,72	M8
2P506	3P506	S P5	115	4,53	133,5	5,26	133	5,24	M8
2P506-1	3P506-1	S P5	115	4,53	133,5	5,26	133	5,24	M8
2P5066	3P5066	* S P5066	115	4,53	133,5	5,26	133	5,24	M8
2P5068	3P5068	S P5068	115	4,53	133,5	5,26	133	5,24	M8
2P508	3P508	S P5	115	4,53	133,5	5,26	133	5,24	M8
2P510	3P510	S P510	115	4,53	133,5	5,26	133	5,24	M8
2P606	3P606	S P6	164	6,46	100	3,94	188	7,40	M8
2P608	3P608	S P608	50	1,97	108	4,25	144	5,67	M8
2P808	3P808	S P8	50	1,97	108	4,25	188	7,40	M8
2P1004	-	* S P1004	-	-	-	-	-	-	-
2P10A	-	S P10A	59	2,32	108	4,25	188	7,40	M8
2P12A	3P12A	* S P12A	-	-	-	-	-	-	-
2PS06	3PS06	S PS	50	1,97	100	3,94	188	7,40	M8
2PS06-1	3PS06-1	S PS	50	1,97	100	3,94	188	7,40	M8
2PS08	3PS08	S PS	50	1,97	100	3,94	188	7,40	M8
-	3PD06	* S PD06	-	-	-	-	-	-	-
-	3PW06	* S PW06	-	-	-	-	-	-	-
2PA06	3PA06	* S PA06	-	-	-	-	-	-	-
-	3P6S1	-	-	-	-	-	-	-	-
-	3P5S1	-	-	-	-	-	-	-	-
2P5S3	-	-	-	-	-	-	-	-	-

(*) on request

The descriptions and illustrations in this catalogue are for information only and not binding.

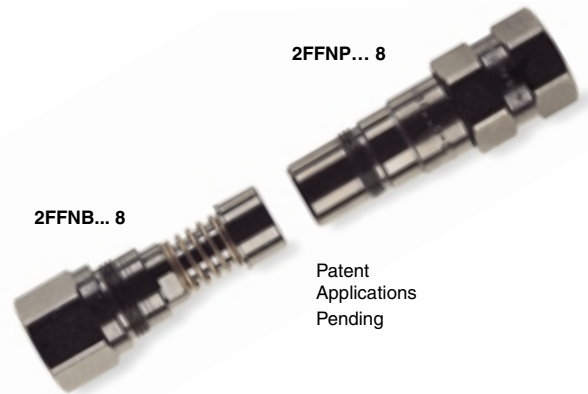
► Built-in flat-face quick-release couplings

Built-in flat-face quick-release couplings are supplied on request and can be mounted on panels and housing purposely designed according to Customer's specification. They are suitable for machine tool and plastic moulding presses. These series have treatments and seals based on the fluid used and a wide range of threads. For specific technical information please contact **FASTER Research & Development Dept.**



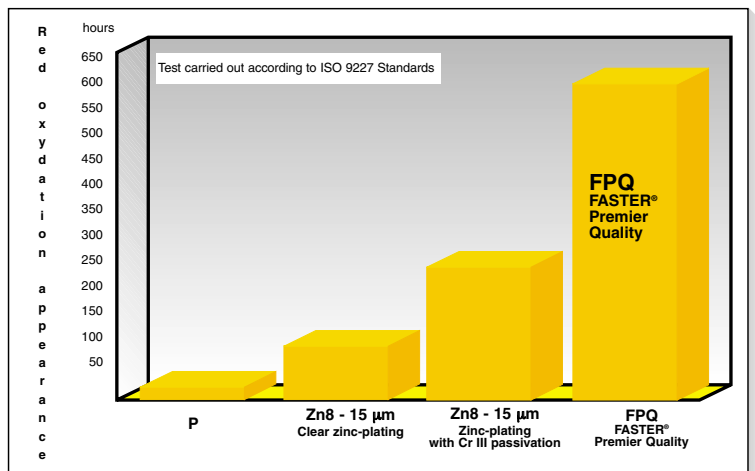
► Built-in quick-release coupling for compressed air

The built-in quick-release couplings for compressed air can be mounted on all MULTIFASTER systems as they have the same size of the hydraulic quick-release couplings. The body of the couplings for compressed air is completely made in steel with **FPQ FASTER® Premier Quality treatment** (see chart beside) springs are made in stainless steel and the male part is normally supplied without the shut-off valve (free passage). For further information contact **FASTER Research & Development Dept.**



► Resistance to salt spray of the most common plating treatments

FPQ FASTER® Premier Quality
Exclusive surface protection treatment increasing corrosion resistance 3 times a standard zinc plating with Cr III passivation.



► Built-in quick-release coupling for water

To fit all those applications where water is the main fluid conveyed (dies water cooling, for instance) FASTER has designed and manufactured specific quick-release couplings **AC38 series**. These couplings have a 3/8" size and are made of black Nylon, resistant to water and other kind of fluids. For further information contact **FASTER Research & Development Dept.**





Simultaneous multiple connection up to 12 hydraulic, electrical and pneumatic lines without oil spillage.



Hydraulic connection for front loader attachments.



Hydraulic connection for agricultural front loader equipments.



Quick connection for hydraulic snow-ploughs.

► Applications



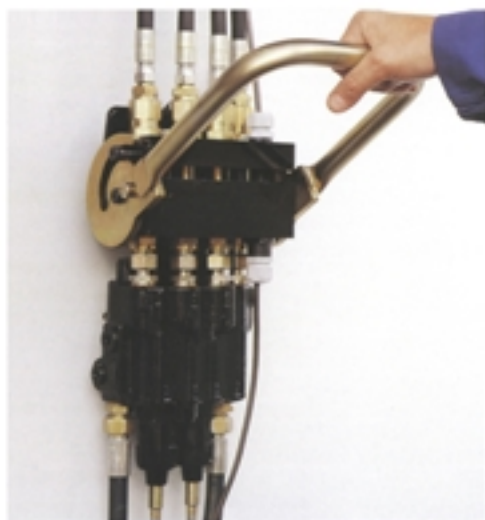
Application on harvesters.



Application on frontal loaders.



Application on constructions machines.



Application on valve.



Version **MO**

► **MULTIFASTER M001 Series**
Special Multiconnection for machining centers

The reduction of set up time for industrial production systems, where there is a need to load and unload the work pieces more frequently, is of prime importance in all production facilities today.

The special **MULTIFASTER M001 series** has been designed with this in mind, for use on hydraulic pallets on all machining centers and machine tools. The main disadvantages of using single quick-release couplings over a multiconnection, is that several individual connections have to be made, whilst the system is not pressurized. With the Multifaster, this can be done in one operation whilst the system is at full working pressure.

This connection of the Multifaster can also be made whilst the system is at full working pressure, as the pressure is maintained by the accumulator when disconnection is made.

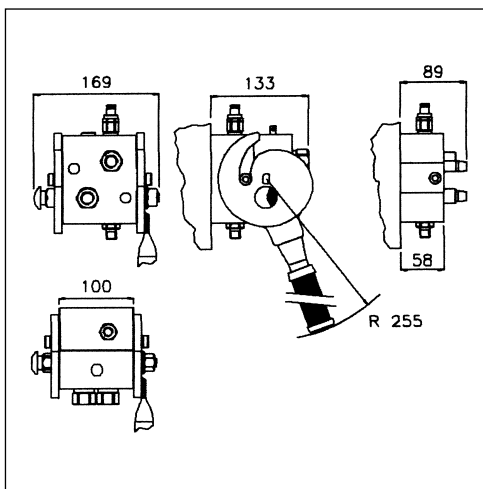
The integral pressure gauge allows the operator to monitor the pressure throughout the operation.

Once the working cycle has been completed, the coupling must be re-connected to relieve the system pressure and a new cycle can be started.

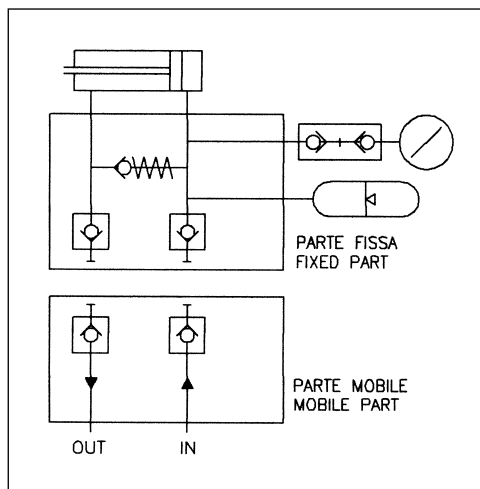


► **BENEFITS**

- Single multiconnection and disconnection
- Connection and disconnection under maximum working pressure
- Flat-face valve
- No oil spillage during connection and disconnection
- No risk of the wrong hydraulic lines being connected
- Totally compact
- Integral pressure gauge and accumulator
- Integral check valve allows smooth cylinder return
- No need to switch off the pump
- 25 MPa (3625 PSI) working pressure (based on 2 lines of 06 size couplings)



Version **M001** Two lines 3/8" size



Hydraulic layout



M001

Patent Applications Pending



► **MULTIFASTER M201 Series**
Special Multiconnection for air conditioning and refrigeration systems

The new **MULTIFASTER M201 Series** for refrigerant applications is a breakthrough in quick-coupling technology. Multifaster allows quick, safe and leak free connections and disconnections without the use of tools. During connection flat valves reduce air inclusion to a minimum. Typical applications on portable air conditioners, split refrigeration systems and, generally, whenever the quick installation of an air conditioning and refrigeration system is desirable.

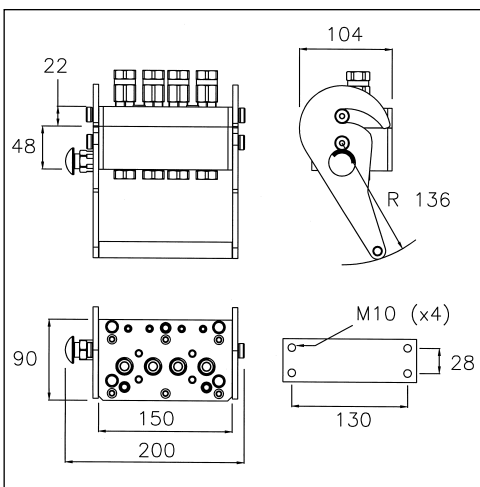
CAT. 0118-GB
RF Series



For further information and technical details please ask for the specific catalogue.

► **MULTIFASTER M301 Series**
Special Multiconnection for paint systems

We have accepted a challenge: to design a product which could solve all connection problems typical of robotic applications. Considering this kind of application, a Multiconnection characterized by quick-release system, by the impossibility of misalignment during connection, with the absence of any spillage during connection-disconnection and by a full compatibility with the most used fluids was not available on the market yet. Today FASTER is pleased to introduce its **MULTIFASTER M301 Series**, specifically studied and designed for robotic paint lines. The best solution.

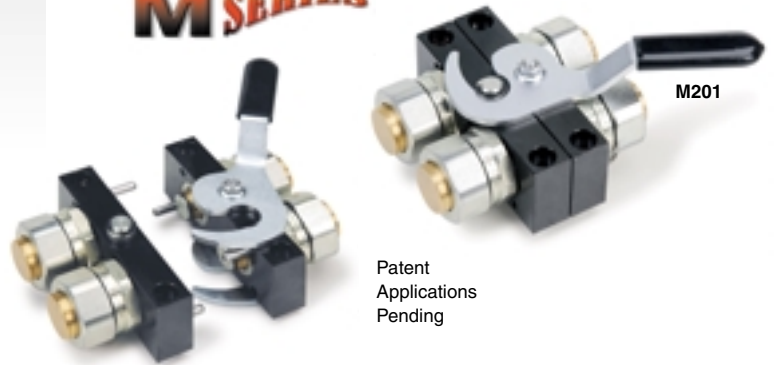


Version **M301** 4 lines 1/4" size for paints and dissolvents
4 lines 1/4" size for compressed air
4 lines 1/2" size for compressed air

SPECIAL INDUSTRIAL APPLICATION
AIR CONDITIONING & REFRIGERATION



Version **M2**



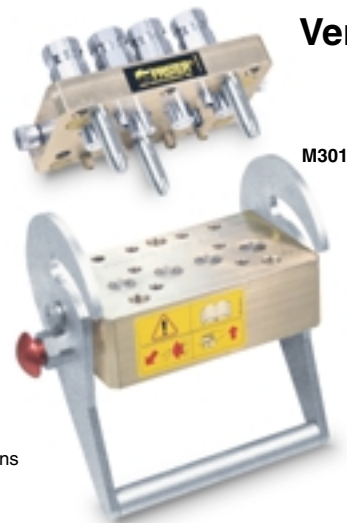
Patent Applications Pending

► **BENEFITS**

- Self-sealing flat valves prevent loss of refrigerant during disconnection
- 1/2" turn from fully closed to fully open for easy installation
- Mono-block construction for rugged service
- Braze adapter or threaded versions available

SPECIAL INDUSTRIAL APPLICATION
PAINT SYSTEMS

Version **M3**



Patent Applications Pending

► **BENEFITS**

- 4 lines for painting, 1/4" size
- 4 lines for compressed air 1/2" size
- 4 lines for compressed air 1/4" size
- Quick-release connection system to change the robotized painting device
- No risk of lines misalignment
- Ease of cleaning
- Made of Aluminium and AISI 316 Stainless Steel
- Seals compound suitable for paints and dissolvents

► **MULTIFASTER M603 Series**
Special Multiconnection
for continuous casting plants

Special **MULTIFASTER M603 Series** has been purposely designed to help a quick change of the transfer system in continuous casting plants. This multiconnection is characterized by the new flat-face couplings 2FFNC Series, female part (see at page 38) suitable for low thickness plates. These couplings are connectable with male parts FFNP, 2FFNP and 3FFNP Series according to flowrate and connection under pressure requirements.

► **BENEFITS**

- Help the quick change of the transfer system in continuous casting plants
- Connection by pneumatic cylinder
- Lines pressurizing only once connection is achieved
- Manual safety blocks
- Completely made of AISI 316 stainless steel except cylinder and supports
- Maximum allowed misalignment: X axis = ± 0.5 mm.
Y axis = $\pm 0,5$ mm.
Z axis = $\pm 0,5$ mm.
- Working temperature from -20°C (-4°F) to $+100^{\circ}\text{C}$ ($+212^{\circ}\text{F}$)
- Connection stroke: 160 mm.

► **MULTIFASTER M604 Series**
Special Multiconnection
for hot rolling plants

Special **MULTIFASTER M604 Series** has been purposely designed to help a quick change of the mill rolls in hot rolling plants. Also this multiconnection is characterized by the new flat-face couplings 2FFNC Series, female part (see at page 38) suitable for low thickness plates.

► **BENEFITS**

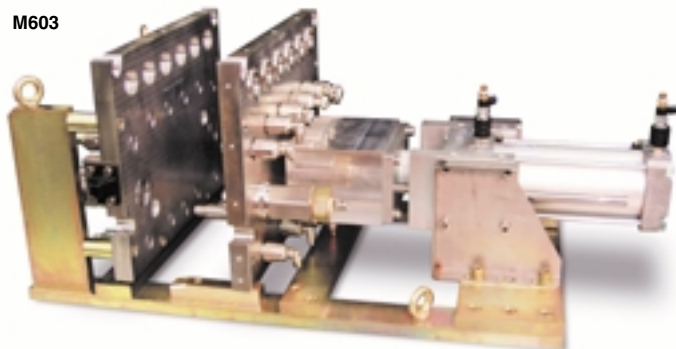
- Helps the quick change of the mill rolls group
- Maximum allowed misalignment: axis X = ± 4 mm.
axis Y = ± 4 mm.
angular = $\pm 2^{\circ}$

SPECIAL INDUSTRIAL APPLICATION
STEEL INDUSTRY



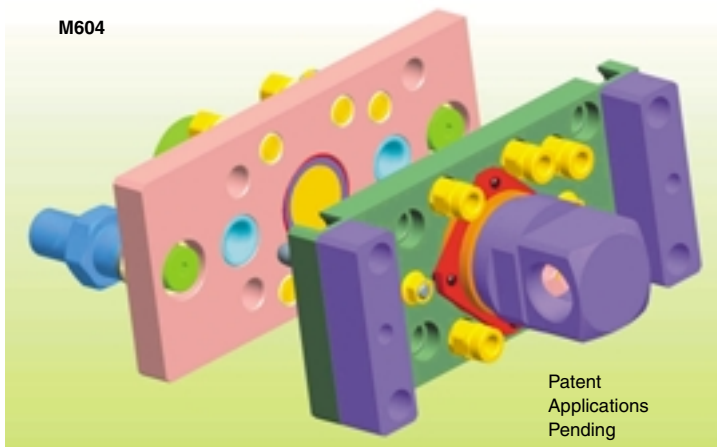
Version **M6**

M603



Patent
Applications
Pending

M604



Patent
Applications
Pending



► **MULTIFASTER mould Series**
Multiconnection for quick moulds replacement

Time reduction in the set up of moulding tools is a typical subject of the market nowadays. The **MULTIFASTER Mould** is an excellent solution to this problem.

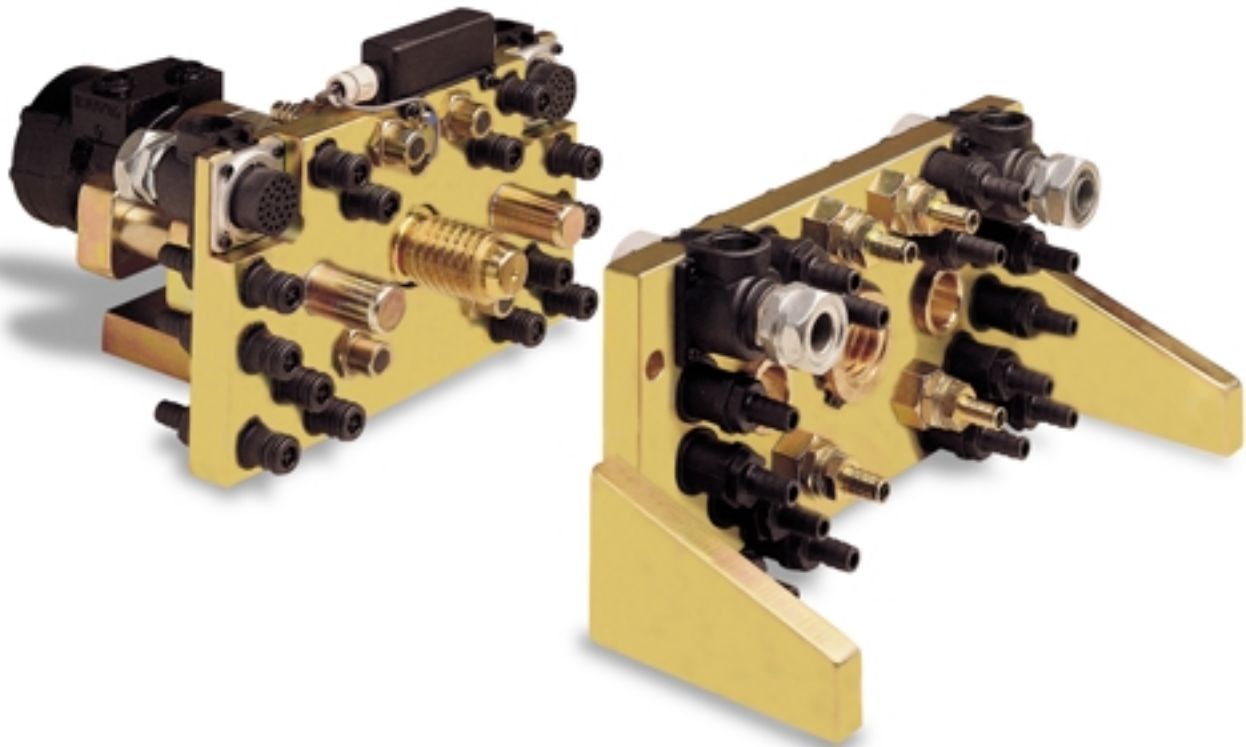
It consists of two solid parts made of steel: the mobile part to be mounted on the moulds and the fixed one to be mounted on the moulding machine. These parts are so designed to connect up to 18 hydraulic and/or cooling lines and 2 electrical connections, to a maximum total of 26 lines, 30 Ampere.

The couplings used for the hydraulic connections are flat-face **2FFNB** and **2FFNP** Series, specifically designed for high pressure and to prevent oil spillage during connection and disconnection. The couplings used for cooling lines are made of plastic material to prevent no-oxidation. Finally the **MULTIFASTER Mould** can be equipped with a hydraulic engine to automatize connection and disconnection operations.

For further informations please do not hesitate to contact **FASTER Research & Development Dept.**

SPECIAL INDUSTRIAL APPLICATION MOULDING MACHINES

MULTIFASTER
mould



Technical information

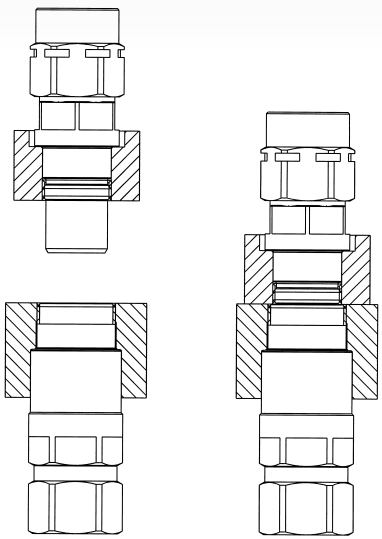
Series **2FF_{NC}**

Quick-release couplings female part 2FFNC Series directly derive from **2FFNB** female couplings equipping **MULTIFASTER** products and have the same benefits characterizing this coupling.

2FFNC Series couplings are suitable for low thickness plates and are connectable with male couplings **FFNP**, **2FFNP** and **3FFNP Series** according to flowrate and connection under pressure requirements.



Coupling FFNP
2FFNP
3FFNP



Coupling 2FFNC



2FFNC

Size	DN Nominal diameter		Rated flow		Max. working pressure *		Pressure peak		Minimal burst pressure				Fluid spillage cc max.	
	mm	inc.	l/min	GPM	MPa	PSI	MPa	PSI	Connected		Female			
									MPa	PSI	MPa	PSI		
04	1/4"	7	0,27	20	5,29	25	3625	35	5075	130	18850	100	14500	0,008
06	3/8"	9	0,35	40	10,58	25	3625	35	5075	100	14500	100	14500	0,01
08	1/2"	12	0,47	70	18,52	25	3625	35	5075	100	14500	100	14500	0,02
12	3/4"	16	0,63	125	33,07	25	3625	35	5075	105	15225	100	14500	0,02
16	1"	18	0,70	150	39,7	25	3625	35	5075	110	15950	100	14500	0,02

*Safety factor = 1:4 in connected position - for static pressure safety factor = 1:2

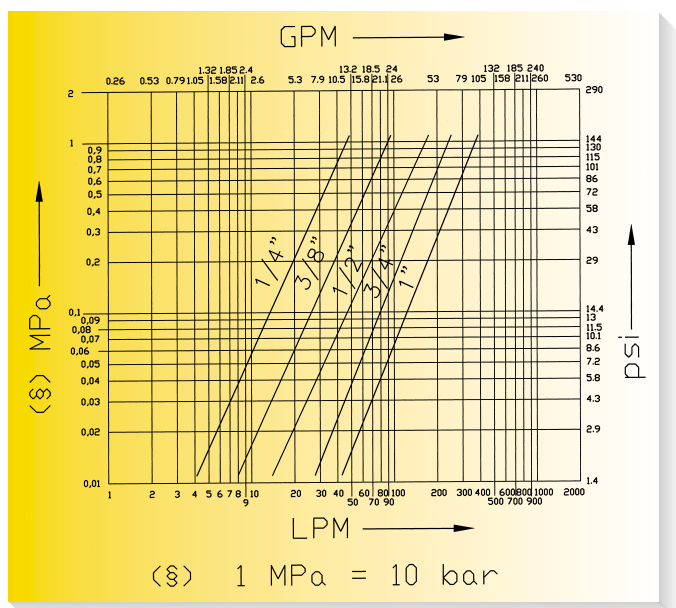
Pressure drop graph:
Test bench to ISO 7241-2 specification with ISO VG32 oil at 40°C (104°F)

- Materials:**
- Female in zinc plated steel with Cr III passivation.
 - Springs in C98 steel.
 - Wholly available in AISI 316 stainless steel.

- Seals:**
- Standard in Polyurethane.
 - On request: Viton, Neoprene, EPDM.

Antiextrusion rings:
in pure PTFE.

Working temperatures:
with standard seals in Polyurethane from -25°C (-13°F) to +100°C (+212°F). For higher temperature, the quick-release coupling will be supplied with all components in steel and with the appropriate seals.



The descriptions and illustrations in this catalogue are for information only and not binding.



Multiconnection for quick moulds replacement.
Moulding machine.
Up to 18 hydraulic, electrical and pneumatic lines.



Multiconnection for machining centers.
Loaded pallet ready for connection.

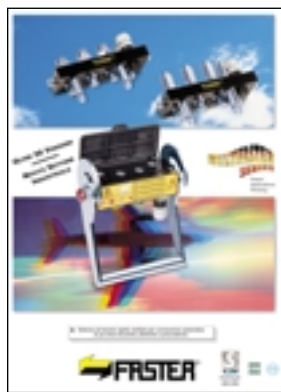


Multiconnection for robotized painting lines.

Ask for our catalogues



CAT. 0110/I Italiano
CAT. 0110/GB English
CAT. 0110/F Français
General Line



CAT. 0111-I Italiano
CAT. 0111-GB English
Multifaster series



CAT. 0112-I Italiano
CAT. 0112-GB English
Agriculture series



CAT. 0113-I Italiano
CAT. 0113-GB English
FF Flat-Face series



CAT. 0114-I Italiano
CAT. 0114-GB English
Screw-on coupling series



CAT. 0115-I Italiano
CAT. 0115-GB English
Standard series



CAT. 0116-I Italiano
CAT. 0116-GB English
CPV-CNV and CVV series



CAT. 0117-I Italiano
CAT. 0117-GB English
DF series



CAT. 0118-I Italiano
CAT. 0118-GB English
RF series



CAT. 0119-I Italiano
CAT. 0119-GB English
VU series



CAT. 0120-I Italiano
CAT. 0120-GB English
Industrial series

▶ Guarantee

All **FASTER**® quick-release couplings are designed and produced in conformity with the regulations of **Quality Managing System according to UNI EN ISO 9001 and UNI ISO/TS 16949 Standards**. They bear the **FASTER**® logo to guarantee their origin and reliability. **FASTER**® quick-release couplings are distributed worldwide through a network of highly qualified distributors.



UNI EN ISO 9001
Cert. n° 2905
ISO/TS 16949



CAT 0111/09/06-GB

■ **I - FASTER S.p.A.**
I-26027 RIVOLTA D'ADDA (CR) Italy - Via L. Ariosto, 7
☎ (+39) 0363.377211 - Fax (+39) 0363.377333
www.faster.it - faster@faster.it

■ **USA - FASTER Inc.**
MAUMEE, OH 43537-9505 - 6560 Weatherfield, Ct.
☎ (+1) 419-868-8197 - (+1) 800-231-2501 - Fax (+1) 419-868-8360
www.fasterinc.com - eng@fasterinc.com

■ **D-BENELUX - FASTER - Jürgen Gamers**
D-40764 LANGENFELD GER - Ursulaweg, 39
☎ (+49) (0) 2173.83924 - Fax (+49) (0) 2173.83925
www.faster-germany.de - JGamers@t-online.de

■ **F - FASTER - François Divet**
F-35200 RENNES - 11, Rue Jean Bras
☎ (+33) (0) 2.99.51.44.94
Fax (+33) (0) 2.99.51.00.13
francois.divet@wanadoo.fr

■ **UK - FASTER - Richard Bennett**
GB-TA18 7BY UK
19 Beechwood Drive CREWKERNE, Somerset
☎ (+44) (0) 1460.77020 - Fax (+44) (0) 1460.77020
faster.uk@virgin.net