

TEMA MULTI-LINE®

Multi-couplings for hydraulics up to 350 bar

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



THE STRUCTURE OF PART NUMBERS FOR ORDERING MULTI-COUPPLINGS.

Type of Plate

F = Female plate
M = Male plate
P = Support plate
D = Protective Cap, metal

Connections & Dimensions

3 = 3/8"
5 = 1/2"
7 = 3/4"
U = Blank plug 3/8"
W = Blank plug 1/2"
T = Blank plug 3/4"
Y = Electrical Connection 7-pole
Q = Electrical Connection 14-pole

TM F C 5533 R

TEMA MULTI-LINE®

Series

C = C-Line (Mobile hydraulics)
I = I-Line (Industry)

Type of Lever & Locking

R = Twin-arm lever,
Locking button right side
= Twin-arm lever,
Locking button left side
A = Single-arm lever fixed, left side,
Locking button left side
AAR = Single-arm lever fixed, right side,
Locking button right side
B = Single-arm lever detachable,
left side,
Locking button left side
BBR = Single-arm lever detachable,
right side,
Locking button right side



A COMPLETELY NEW WAY OF CONNECTING. TEMA MULTI-LINE®

TEMA MULTI-LINE® coupling systems can be used for a wide variety of applications and open up huge potential in handling and efficiency. Developed by our Swedish design engineers, they have been tested under extreme conditions,

for practical suitability in numerous applications. The systems are completely compliant with the high function, safety and durability demands of industrial users as well as being an efficient alternative to individual systems in mobile hydraulics.

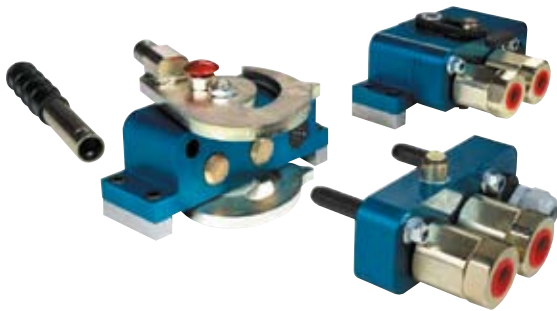
TEMA MULTI-LINE®

Contractors	C-Line Compact	Compact multi-coupling system with small dimensions, specially developed for excavation equipment, wheel loaders and other construction machinery. Dual combination of 3/8", 1/2" and 3/4". With or without electrical connection, as desired.	from page 8
	C-Line Standard	Standard multi-coupling system with up to four connections in the sizes 3/8", 1/2" or 3/4". With or without electrical connection, as desired.	from page 12
Industry	I-Line	Multi-coupling system specially optimised for industrial applications. Multiple combination options with up to four connections in the sizes 3/8", 1/2" or 3/4". With or without electrical connection, as desired.	from page 19
Accessories	Accessories		from page 24

FOUR IN ONE GO - THAT IS WHAT WE CALL INCREASED EFFICIENCY.

Safe coupling or uncoupling of up to four connections with one grip. What promised to be a significant increase in efficiency from a purely mathematical point of view is proving in practice to be even more efficient than expected. The coupling mechanism saves material and virtually precludes the danger of wrong connections. The

optional parallel connection of electrical contacts gives additional procedural safety and the hydraulic couplings with pressure eliminator – produced as standard – allow coupling even with dynamic/residual pressure in the system. Therefore, these coupling systems are truly multi talented in many application areas.



C-Line Compact

This range primarily takes into account the requirements of mobile hydraulics for small dimensions. A highly variable, compact structure and the optional dual combination of 3/8", 1/2" and 3/4" couplings/electrical connections make this coupling system the optimum solution for excavation equipment, wheel loaders and other construction machinery.

C-Line Standard

Our standard mobile hydraulic system stands out for its numerous combination options, with up to four connections in the sizes of 3/8", 1/2" or 3/4". This multi-coupling can be supplied with or without electrical connection, as desired. The large selection of fixed or detachable locking levers also means that it is possible to find a suitable configuration for almost all extension situations.



I-Line Industry

Based on the C-Line modular housing system, this multi-coupling designed specially for applications in industry is fitted with an additional self-closing protective cap. Numerous combination options with up to four connections in the sizes of 3/8", 1/2" or 3/4" and the option of delivery with or without electrical connection open up a broad range of possible fields of application.



Quality with us is no accident.

A multi-coupling system is only ever as good as its individual components. With this in mind, the production process of each individual component is accompanied by careful quality checks by our staff at all stages. These controls start with appropriate quality control systems (ISO 9001, ISO 14001 and ISO/TS 16949) in the development phase. Before leaving the company, every unit is systematically checked for function and leakage and labelled with a serial number. This registration makes it easy for us to deliver the correct wearing/spare parts at any time.

The better alternative in many fields.

Our systems can be used in the broadest range of applications – whereby our C-Line coupling systems can be found predominantly in use in mobile hydraulics. The small dimensions and the highly variable combination make them ideal for use on excavation equipment, wheel loaders and other construction machinery. The I-Line is used in industrial mechanical engineering wherever simultaneous coupling of several connections results in increased efficiency; e.g. in injection moulding machines, foundries, paper machines, motor test stands, and special machines for the steel and automotive industry.



PROFESSIONAL SOLUTIONS CAN BE IDENTIFIED BY THEIR DETAIL.

Closing Device

In the coupling procedure, large forces affected the whole system. For this reason, our stable closing mechanism have a universal shaft. The extra locking button can be supplied on the right or the left, depending on the installation situation.



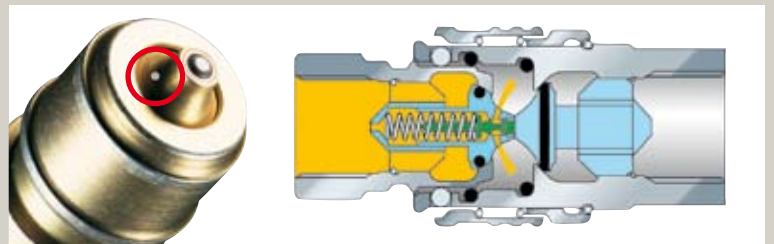
FlatFace

The FlatFace couplings we use with high flow values stand out in practice for a whole series of unsurpassed advantages. Their structure guarantees leak-free coupling and reliably avoids trapping air and dirt in the hydraulic circuit.



Pressure Eliminator

As standard, our multi-coupling systems are fitted with a pressure eliminator. With this innovative technology, coupling is possible even under dynamic/residual pressure and while saving material.



Electrical Connection

With our multi-coupling systems you can also opt to couple electrical connections in parallel to the hydraulic connections. For this, the plates can be fitted with a choice of a 7- or 14-pole connection. They are then supplied complete with the appropriate electrical cable.





Stainless Steel

In order to ensure fault-free use of our systems even in extreme situations, relevant components are produced in high quality stainless steel (AISI 304). This provides effective prevention of corrosion as well as increasing the durability.



Locking Lever

The multi-coupling systems can be supplied with a permanently installed (fixed) and a detachable lever arm. Also, the installation can be installed either on the right or the left, as desired. Thus, the coupling system can be completely individually configured for all specific installation situations.



Service and Maintenance

Our systems are designed such that all wearing or spare parts can be fitted easily and with no special tools. Assembly is also made easier by comprehensive operating and assembly instructions. This is how we ensure that your machines or systems are returned to working order as quickly as possible in the event of a repair.



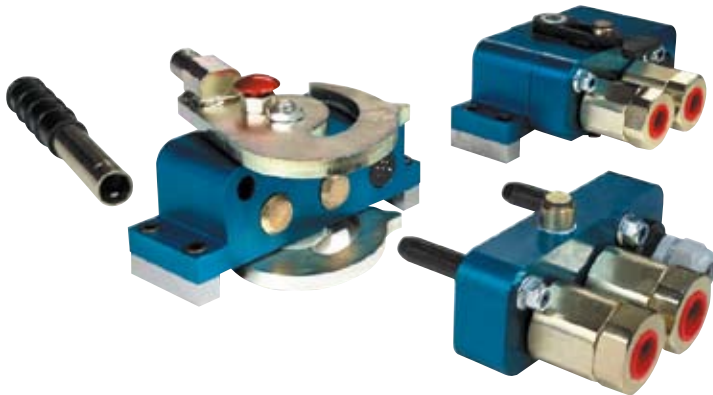
Accessories, Spare Parts and Delivery Service

We always keep sufficient quantities of spare and wearing parts to be able to meet your requirements as quickly as possible. In this, the individual marking (serial number) of every multi-coupling system guarantees problem-free delivery of the appropriate wearing/spare parts.



C-Line Compact

3/8" / 1/2"



All designs with female thread.

Technical Description

Multiple connector system with locking lever and safety locking. Original TEMA plug-profile with spill-proof flat face design. Coupling body/plug fitted with high-flow valve system.

Working Pressure

Max. pressure range: 350 bar (safety factor 4:1)

Attention: half the number of connections in the respective sizes

Pressure Eliminator

All plugs are fitted with pressure eliminators to eliminate residual pressures up to maximum working pressure on the plug side (maximum 50 bar on the coupling side).

7-Pole Electrical Connection

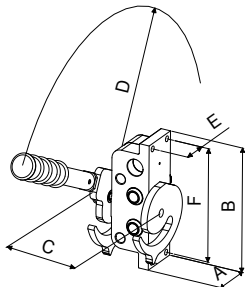
Male part (coupling plate):
Cable: 7 x 1,5 RDOE 5 m
Female part (plug plate)
Cable: 7 x 1,5 RDOE 3 m
Not IP classified
Contact block: NBR
Connector: (pins and casing) bronze, silver plated
Electric connection box: Thermoplastic (POM)
Pull relief (cable): PA/NBR
Max. voltage: 24 V
Max. current: 16 A*

* For return-current through cable, the total permitted current through the connector is maximum 16 A.

Working Temperature

-30°C up to +100°C (NBR/PUR)

Sizes, mm



Coupling Plate / Combinations

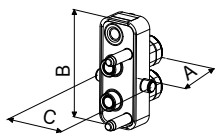
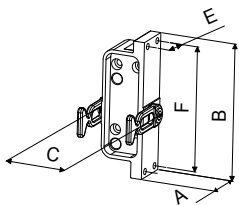
	3/8" and 1/2"
A	60
B	189
C	108
D	278
E	40
F	173

Support Plate

	3/8" and 1/2"
A	52
B	189
C	86
E	30
F	173

Plug Plate / Combinations

	3/8"	1/2"
A	72	84
B	150	150
C	88	88



Connections (Threads)

Couplings/Plugs	3/8"	1/2"
Female Thread	G 3/8"	G 1/2"

Materials

Plates

Coupling-/Plug Plates
Support Plate:

Aluminium, anodised-blue
Aluminium, anodised-blue

Protective Cap

Aluminium, anodised-blue,
NBR-seal

Quick Connect Couplings/-Plugs

Steel, zinc-plated, yellow passivated (Cr3+), movable sleeves made of stainless steel AISI 304

Seals

NBR/PUR
replaceable profile ring on plug side

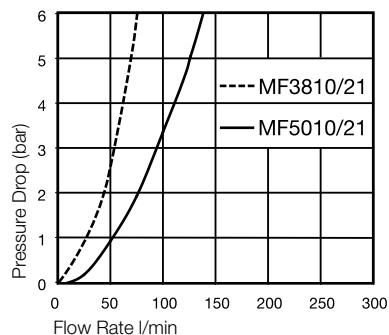
Locking Mechanism Locking Button:

Steel, zinc-plated, yellow passiv. (Cr3+) Aluminium, anodised-red

Blank Plug

Thermoplastics (POM)

Flow Capacity – Viscosity for 32cSt at 40°C as per ISO 7241/2-2000



Hydraulic Flow

3/8" 54 l/min (3 bar pressure drop)
1/2" 97 l/min (3 bar pressure drop)

Nominal Diameter mm

DN 10
DN 12.5

Coupling Plate with Protective Cap (3/8")**TEMA C-Line Compact**

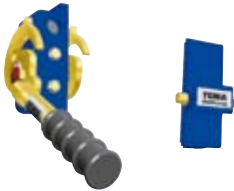
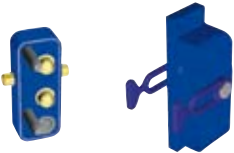
<div> <div>3/8" 3/8" EL</div> <div>3/8" 3/8" X</div> </div>	Coupling 3/8"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
	2	1	–	right	right	6.0	TMFC 33Y BBR*
	2	–	1	right	right	4.8	TMFC 33W BBR*
	2	1	–	left	left	6.0	TMFC 33Y B**
	2	–	1	left	left	4.8	TMFC 33W B**
The protective cap is included.							
The coupling plate is supplied complete with assembly kit TM-210K.							

Fig.: Locking lever, detachable locking button right side

Plug plate with Support Plate (3/8")**TEMA C-Line Compact**

<div> <div>3/8" 3/8" EL</div> <div>3/8" 3/8" X</div> </div>	Plug 3/8"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
	2	1	–			3.6	TMMC 33Y
	2	–	1			2.8	TMMC 33W
The support plate is included.							
The support plate is supplied complete with assembly kit TM-214K.							

Coupling Plate with Protective Cap (1/2")**TEMA C-Line Compact**

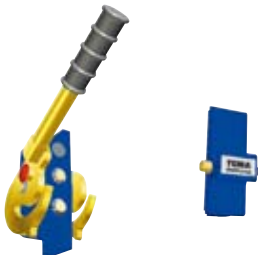
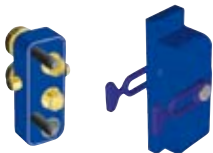
<div> <div>1/2" 1/2" EL</div> <div>1/2" 1/2" X</div> </div>	Coupling 1/2"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
	2	1	–	right	right	6.1	TMFC 55Y BBR*
	2	–	1	right	right	4.8	TMFC 55W BBR*
	2	1	–	left	left	6.1	TMFC 55Y B**
	2	–	1	left	left	4.8	TMFC 55W B**
The protective cap is included.							
The coupling plate is supplied complete with assembly kit TM-210K.							

Fig.: Locking lever, detachable locking button left side

Plug plate with Support Plate (1/2")**TEMA C-Line Compact**

<div> <div>1/2" 1/2" EL</div> <div>1/2" 1/2" X</div> </div>	Plug 1/2"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
	2	1	–			4.1	TMMC 55Y
	2	–	1			3.3	TMMC 55W
The support plate is included.							
The support plate is supplied complete with assembly kit TM-214K.							

* Designed *to be used on the right hand side of the excavator arm. On wheel-loaders the mounting is on the inside of the right loading arm. (As seen from the drivers seat).

** Designed to be used on the left hand side of the excavator arm. On wheel-loaders the mounting is on the inside of the left loading arm. (As seen from the drivers seat).



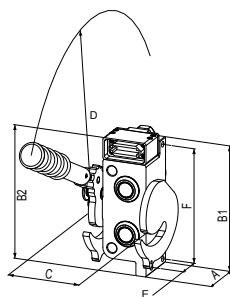
C-Line Compact

1/2" / 3/4"



All designs with female thread.

Sizes, mm



Coupling Plate / Combinations

	1/2" and 3/4"
A	70
B1	189
B2	202 ¹⁾
C	115
D	27
E	40
F	173

Support Plate

	1/2" and 3/4"
A	52
B1	189
B2	202 ¹⁾
C	93
E	30
F	173

Plug Plate / Combinations

	1/2" and 3/4"
A	97
B1	148
B2	181 ¹⁾
C	96

Connections (Threads)

Couplings/Plugs	1/2"	3/4"
Female Thread	G 1/2"	G 3/4"

Technical Description

Multiple connector system with locking lever and safety locking. Original TEMA plug-profile with spill-proof flat face design. Coupling body/plug fitted with high-flow valve system.

Working Pressure

Max. pressure range: 350 bar (safety factor 4:1)

Attention: half the number of connections in the respective sizes

Pressure Eliminator

All plugs are fitted with pressure eliminators to eliminate residual pressures up to maximum working pressure on the plug side (maximum 50 bar on the coupling side).

14-Pole Electrical Connection

Delivery exclusive of cables. Protection category IP67 (coupled)
Screwed conductor connector: 0.5 - 1.5 mm²
Pins and sleeves: copper coated
Elect. junction box; aluminium
Traction relief: PA/NBR 9 - 16 mm
Max. voltage: 48 V
Max. current: 10A per core

Working Temperature

-30°C up to +100°C (NBR/PUR)

Materials

Plates

Coupling-/Plug Plates
Support Plate:

Aluminium, anodised-blue
Aluminium, anodised-blue

Protective Cap

Aluminium, anodised-blue, NBR-seal

Quick Connect Couplings-/Plugs

Steel, zinc-plated, yellow passivated (Cr3+), movable sleeves made of stainless steel AISI 304

Seals

NBR/PUR
replaceable profile ring on plug side

Locking Mechanism

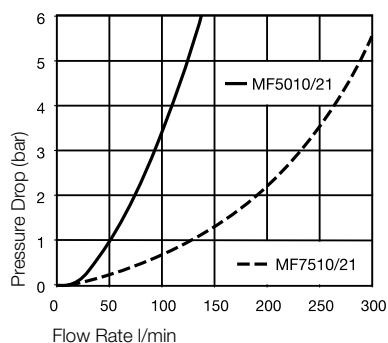
Locking Button:

Steel, zinc-plated, yellow passiv. (Cr3+) Aluminium, anodised-red

Blank Plug

Thermoplastics (POM)

Flow Capacity – Viscosity for 32cSt at 40°C as per ISO 7241/2-2000



Hydraulic Flow

1/2" 97 l/min (3 bar pressure drop)
3/4" 240 l/min (3 bar pressure drop)

Nominal Diameter mm

DN 12.5
DN 19

¹⁾ with electrical plug

Coupling Plate with Protective Cap (1/2")**TEMA C-Line Compact**

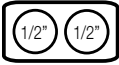

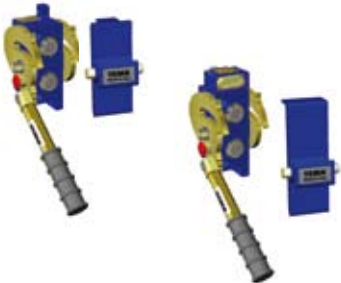
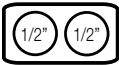


 	Coupling 1/2"	El.-Connect. 14-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
	2	–	–	left	left	5.1	TMFC 55 B**
	2	1	–	left	left	5.4	TMFC 55 QB**
	2	–	–	right	right	5.1	TMFC 55 BBR*
	2	1	–	right	right	5.4	TMFC 55 QBBR*
The protective cap is included.							
The coupling plate is supplied complete with assembly kit TM-258K.							

Fig.: Locking lever, detachable locking button right side

Plug plate with Support Plate (1/2")**TEMA C-Line Compact**

 	Plug 1/2"	El.-Connect. 14-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
	2	–	–			3.6	TMMC 55
	2	1	–			3.9	TMMC 55 Q
The support plate is included.							
The support plate is supplied complete with assembly kit TM-214K.							

Coupling Plate with Protective Cap (3/4")**TEMA C-Line Compact**

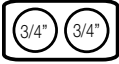


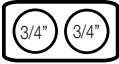


 	Coupling 3/4"	El.-Connect. 14-pole	Blank Plug 3/4"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
	2	–	–	left	left	5.1	TMFC 77 B**
	2	1	–	left	left	5.4	TMFC 77 QB**
	2	–	–	right	right	5.1	TMFC 77 BBR*
	2	1	–	right	right	5.4	TMFC 77 QBBR*
The protective cap is included.							
The coupling plate is supplied complete with assembly kit TM-258K.							

Fig.: Locking lever, detachable locking button right side

Plug plate with Support Plate (3/4")**TEMA C-Line Compact**

 	Plug 3/4"	El.-Connect. 14-pole	Blank Plug 3/4"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
	2	–	–			3.6	TMMC 77
	2	1	–			3.9	TMMC 77Q
The support plate is included.							
The support plate is supplied complete with assembly kit TM-214K.							

* Designed *to be used on the right hand side of the excavator arm. On wheel-loaders the mounting is on the inside of the right loading arm. (As seen from the drivers seat).

** Designed to be used on the left hand side of the excavator arm. On wheel-loaders the mounting is on the inside of the left loading arm. (As seen from the drivers seat).



C-Line Standard 3/8"



All designs with female thread.

Technical Description

Multiple connector system with locking lever and safety locking. Original TEMA plug-profile with spill-proof flat face design. Coupling body/plug fitted with high-flow valve system.

Working Pressure

Max. pressure range: 350 bar (safety factor 4:1)

Attention: half the number of connections in the respective sizes

Pressure Eliminator

All plugs are fitted with pressure eliminators to eliminate residual pressures up to maximum working pressure on the plug side (maximum 50 bar on the coupling side).

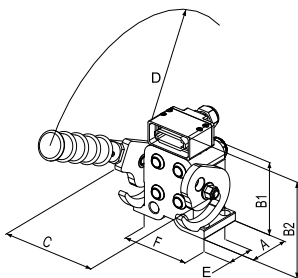
14-Pole Electrical Connection

Delivery exclusive of cables. Protection category IP67 (coupled)
Screwed conductor connector: 0.5 - 1.5 mm²
Pins and sleeves: copper coated
Elect. junction box; aluminium
Traction relief: PA/NBR 9 - 16 mm
Max. voltage: 48 V
Max. current: 10A per core

Working Temperature

-30°C up to +100°C (NBR/PUR)

Sizes, mm

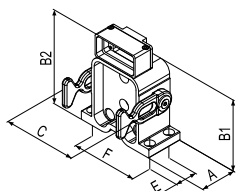


Coupling Plate / Combinations

	4 x 3/8"
A	60
B1	103
B2	136 ¹⁾
C	135
D	200
E	40
F	96

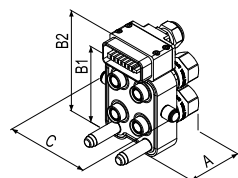
Support Plate

	4 x 3/8"
A	52
B1	103
B2	136 ¹⁾
C	106
E	32
F	96



Plug Plate / Combinations

	4 x 3/8"
A	72
B1	101
B2	134 ¹⁾
C	110



Connections (Threads)

Couplings/Plugs	3/8"
Female Thread	G 3/8"

Materials

Plates

Coupling-/Plug Plates
Support Plate:

Aluminium, anodised-blue
Aluminium, anodised-blue

Protective Cap

Aluminium, anodised-blue, NBR-seal

Quick Connect Couplings-/Plugs

Steel, zinc-plated, yellow passivated (Cr3+), movable sleeves made of stainless steel AISI 304

Seals

NBR/PUR
replaceable profile ring on plug side

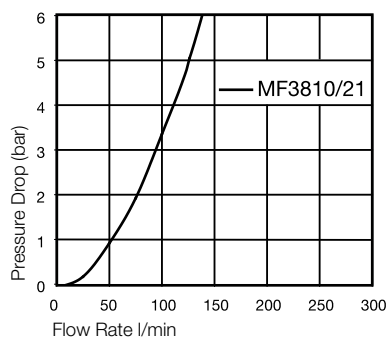
Locking Mechanism Locking Button:

Steel, zinc-plated, yellow passiv. (Cr3+) Aluminium, anodised-red

Blank Plug

Thermoplastics (POM)

Flow Capacity – Viscosity for 32cSt at 40°C as per ISO 7241/2-2000



Hydraulic Flow

3/8" 54 l/min (3 bar pressure drop)

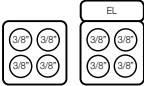



Nominal Diameter mm

DN 10

¹⁾ with electrical plug

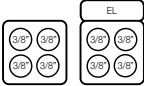
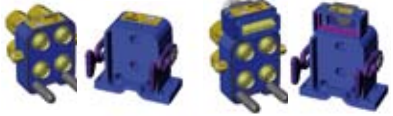
Coupling Plate with Protective Cap (3/8")

TEMA C-Line Standard

	Coupling 3/8"	El.-Connect. 14-pole	Blank Plug 3/8"	Locking Lever Position	Locking Button	Weight kg	Part Number
 <p>Fig.: Locking lever, locking button left side</p>	4	–	–	Twin-arm	left	3.3	TMFC 3333
	4	1	–	Twin-arm	left	3.6	TMFC 3333 Q
	4	–	–	Twin-arm	right	3.3	TMFC 3333 R
	4	1	–	Twin-arm	right	3.6	TMFC 3333 QR
 <p>Fig.: Locking lever, locking button right side</p>	4	–	–	left	left	3.3	TMFC 3333 A
	4	1	–	left	left	3.6	TMFC 3333 QA
	4	–	–	right	right	3.3	TMFC 3333 AAR
	4	1	–	right	right	3.6	TMFC 3333 QAAR
 <p>Fig.: Locking lever, detachable locking button right side</p>	4	–	–	left	left	3.3	TMFC 3333B
	4	1	–	left	left	3.6	TMFC 3333QB
	4	–	–	right	right	3.3	TMFC 3333BBR
	4	1	–	right	right	3.6	TMFC 3333QBRR
Protective cap and assembly screws are included in the delivery.							

Plug plate with Support Plate (3/8")

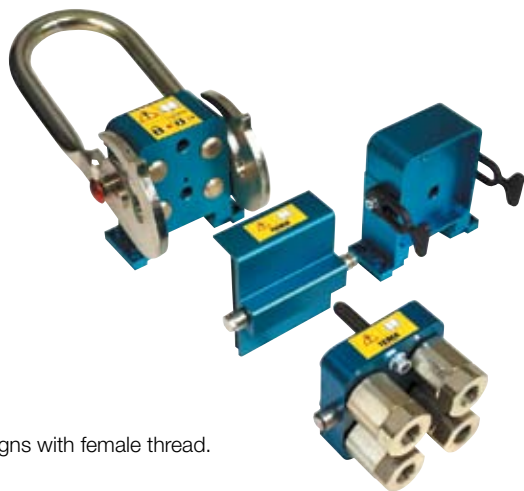
TEMA C-Line Standard

	Plug 3/8"	El.-Connect. 14-pole	Blank Plug 3/8"	Locking Lever Position	Locking Button	Weight kg	Part Number
	4	–	–			2.9	TMMC 3333
	4	1	–			3.2	TMMC 3333 Q
Protective cap and assembly screws are included in the delivery.							



C-Line Standard

3/8" / 1/2" / 3/4"



All designs with female thread.

Sizes, mm

Coupling Plate / Combinations

	1/2" 1/2" + 3/8" Twin-arm lever	1/2" 1/2" + 3/8" Single lever, fixed	1/2", 1/2" + 3/8" Single lever, detachable
A	60	60	60
B1	143	143	143
B2	176	176	176
C	160	165	170
D	270	290	276
E	40	40	40
F	121	121	121

	3/4" + 1/2" 3/4" + 1/2" + 3/8" Twin-arm lever	3/4" + 1/2" 3/4" + 1/2" + 3/8" Single lever, fixed	3/4" + 1/2" 3/4" + 1/2" + 3/8" Single lever, det.
A	70	70	70
B1	143	143	143
B2	176	176	176
C	160	165	170
D	270	290	276
E	50	50	50
F	121	121	121

Plug Plate / Combinations

	1/2" 1/2" + 3/8"	3/4" + 1/2" 3/4" + 1/2" + 3/8"
A	83	95
B1	115	115
B2	148	148
C	135	135

Support Plate

	all models
A	52
B1	143
B2	176
C	141
E	30
F	121

Connections (Threads)
see chart page 8.

Technical Description

Multiple connector system with locking lever and safety locking. Original TEMA plug-profile with spill-proof flat face design. Coupling body/plug fitted with high-flow valve system.

Working Pressure

Max. pressure range: 350 bar
(safety factor 4:1)

Attention: half the number of connections in the respective sizes

Pressure Eliminator

All plugs are fitted with pressure eliminators to eliminate residual pressures up to maximum working pressure on the plug side (maximum 50 bar on the coupling side).

7-Pole Electrical Connection

Male part (coupling plate):
Cable: 7 x 1,5 RDOE 5 m
Female part (plug plate)
Cable: 7 x 1,5 RDOE 3 m
Not IP classified
Contact block: NBR
Connector: (pins and casing)
bronze, silver plated
Electric connection box:
Thermoplastic (POM)
Pull relief (cable): PA/NBR
Max. voltage: 24 V
Max. current: 16 A*

* For return-current through cable, the total permitted current through the connector is maximum 16 A..

Elektroanschluss 14-polig

see page 12

Working Temperature

-30°C up to +100°C (NBR/PUR)

Materials

Plates

Coupling-/Plug Plates
Support Plate:

Aluminium, anodised-blue
Aluminium, anodised-blue

Protective Cap

Aluminium, anodised-blue,
NBR-seal

Quick Connect Couplings/-Plugs

Steel, zinc-plated, yellow passivated (Cr3+), movable sleeves made of stainless steel AISI 304

Seals

NBR/PUR
replaceable profile ring on plug side

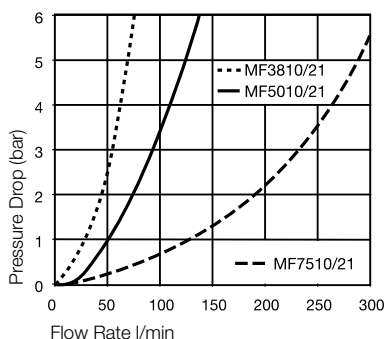
Locking Mechanism
Locking Button:

Steel, zinc-plated, yellow passiv. (Cr3+) Aluminium, anodised-red

Blank Plug

Thermoplastics (POM)

Flow Capacity – Viscosity for 32cSt at 40°C as per ISO 7241/2-2000



Hydraulic Flow


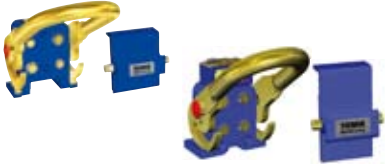
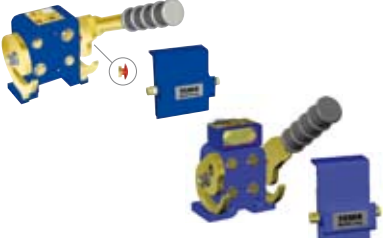
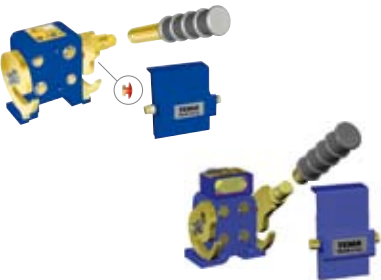
3/8" 54 l/min (3 bar pressure drop)
1/2" 97 l/min (3 bar pressure drop)
3/4" 240 l/min (3 bar pressure drop)

Nominal Diameter mm

DN 10
DN 12.5
DN 19

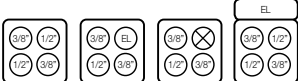
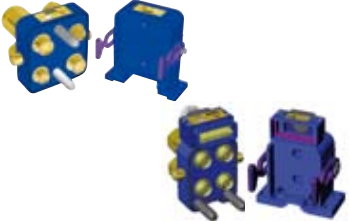
Coupling Plate with Protective Cap (1/2" + 3/8")

TEMA C-Line Standard

	Coupling 1/2"	Coupling 3/8"	El.-Connect.		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
			7-pole	14-pole					
Twin-arm lever  Fig.: Locking lever, locking button left side	2	2	–	–	–	Twin-arm	left	5.9	TMFC 5533
	2	2	–	1	–	Twin-arm	left	6.2	TMFC 5533 Q
	1	2	1	–	–	Twin-arm	left	7.1	TMFC 5Y33
	1	2	–	–	1	Twin-arm	left	5.7	TMFC 5W33
	2	2	–	–	–	Twin-arm	right	5.9	TMFC 5533 R
	2	2	–	1	–	Twin-arm	right	6.2	TMFC 5533 QR
	1	2	1	–	–	Twin-arm	right	7.1	TMFC 5Y33 R
	1	2	–	–	1	Twin-arm	right	5.7	TMFC 5W33 R
 Fig.: Locking lever, locking button right side	2	2	–	–	–	left	left	5.5	TMFC 5533 A
	2	2	–	1	–	left	left	5.8	TMFC 5533 QA
	1	2	1	–	–	left	left	6.7	TMFC 5Y33 A
	1	2	–	–	1	left	left	5.4	TMFC 5W33 A
	2	2	–	–	–	right	right	5.5	TMFC 5533 AAR
	2	2	–	1	–	right	right	5.8	TMFC 5533 QAAR
	1	2	1	–	–	right	right	6.7	TMFC 5Y33 AAR
	1	2	–	–	1	right	right	5.4	TMFC 5W33 AAR
 Fig.: Locking lever, detachable locking button right side	2	2	–	–	–	left	left	5.7	TMFC 5533 B
	2	2	–	1	–	left	left	6.0	TMFC 5533 QB
	1	2	1	–	–	left	left	6.9	TMFC 5Y33 B
	1	2	–	–	1	left	left	5.5	TMFC 5W33 B
	2	2	–	–	–	right	right	5.7	TMFC 5533 BBR
	2	2	–	1	–	right	right	6.0	TMFC 5533 QBBR
	1	2	1	–	–	right	right	6.9	TMFC 5Y33 BBR
	1	2	–	–	1	right	right	5.5	TMFC 5W33 BBR
Protective cap and assembly screws are included in the delivery.									

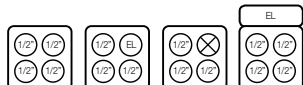



Plug Plate with Support Plate (1/2" + 3/8")

TEMA C-Line Standard

	Plug 1/2"	Plug 3/8"	El.-Connect.		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
			7-pole	14-pole					
	2	2	–	–	–			4.6	TMMC 5533
	2	2	–	1	–			4.7	TMMC 5533 Q
	1	2	1	1	–			4.9	TMMC 5Y33
	1	2	–	–	1			4.1	TMMC 5W33
Assembly screws and support plate are included in the delivery.									

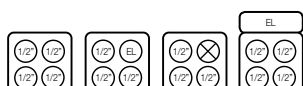
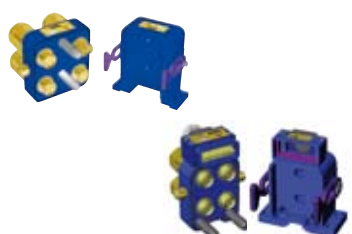
Coupling Plate with Protective Cap (1/2")

TEMA C-Line Standard

	Coupling 1/2"	El.-Connect.		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
		7-pole	14-pole					
Twin-arm lever  Fig.: Locking lever, locking button left side	4	–	–	–	Twin-arm	left	5.9	TMFC 5555
	4	–	1	–	Twin-arm	left	6.2	TMFC 5555 Q
	3	1	–	–	Twin-arm	left	7.1	TMFC 555Y
	3	–	–	1	Twin-arm	left	5.7	TMFC 555W
	4	–	–	–	Twin-arm	right	5.9	TMFC 5555 R
	4	–	1	–	Twin-arm	right	6.2	TMFC 5555 QR
	3	1	–	–	Twin-arm	right	7.1	TMFC 555Y R
	3	–	–	1	Twin-arm	right	5.7	TMFC 555W R
Single lever, fixed  Fig.: Locking lever, locking button right side	4	–	–	–	left	left	5.6	TMFC 5555 A
	4	–	1	–	left	left	5.9	TMFC 5555 QA
	3	1	–	–	left	left	6.8	TMFC 555Y A
	3	–	–	1	left	left	5.4	TMFC 555W A
	4	–	–	–	right	right	5.6	TMFC 5555 AAR
	4	–	1	–	right	right	5.9	TMFC 5555 QAAR
	3	1	–	–	right	right	6.8	TMFC 555Y AAR
	3	–	–	1	right	right	5.4	TMFC 555W AAR
Single lever, detachable  Fig.: Locking lever, locking button right side	4	–	–	–	left	left	5.7	TMFC 5555 B
	4	–	1	–	left	left	6.0	TMFC 5555 QB
	3	1	–	–	left	left	6.9	TMFC 555Y B
	3	–	–	1	left	left	5.5	TMFC 555W B
	4	–	–	–	right	right	5.7	TMFC 5555 BBR
	4	–	1	–	right	right	6.0	TMFC 5555 QBRR
	3	1	–	–	right	right	6.9	TMFC 555Y BBR
	3	–	–	1	right	right	5.5	TMFC 555W BBR
Protective cap and assembly screws are included in the delivery.								

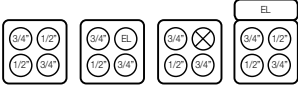

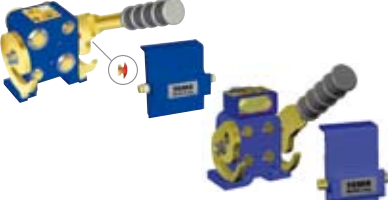
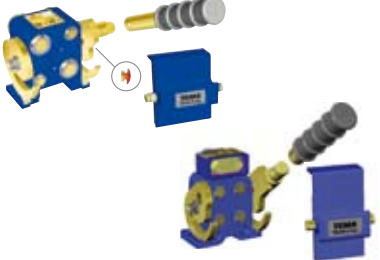
Plug Plate with Support Plate (1/2")

TEMA C-Line Standard

	Plug 1/2"	El.-Connect.		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
		7-pole	14-pole					
	4	–	–	–			5.1	TMMC 5555
	4	–	1	–			5.2	TMMC 5555 Q
	3	1	–	–			5.4	TMMC 555Y
	3	–	–	1			4.6	TMMC 555W
Assembly screws and support plate are included in the delivery.								

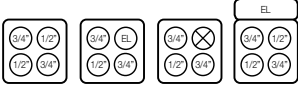

Coupling Plate with Protective Cap (3/4" + 1/2")

TEMA C-Line Standard

	Coupling 3/4"	Coupling 1/2"	El.-Connect.		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
			7-pole	14-pole					
Twin-arm lever  Fig.: Locking lever, locking button left side	2	2	–	–	–	Twin-arm	left	6.6	TMFC 7755
	2	2	–	1	–	Twin-arm	left	6.9	TMFC 7755 Q
	2	1	1	–	–	Twin-arm	left	7.8	TMFC 775Y
	2	1	–	–	1	Twin-arm	left	6.4	TMFC 775W
	2	2	–	–	–	Twin-arm	right	6.6	TMFC 7755 R
	2	2	–	1	–	Twin-arm	right	6.9	TMFC 7755 QR
	2	1	1	–	–	Twin-arm	right	7.8	TMFC 775Y R
	2	1	–	–	1	Twin-arm	right	6.4	TMFC 775W R
Single lever, fixed  Fig.: Locking lever, locking button right side	2	2	–	–	–	left	left	6.3	TMFC 7755 A
	2	2	–	1	–	left	left	6.6	TMFC 7755 QA
	2	1	1	–	–	left	left	7.5	TMFC 775Y A
	2	1	–	–	1	left	left	6.1	TMFC 775W A
	2	2	–	–	–	right	right	6.3	TMFC 7755 AAR
	2	2	–	1	–	right	right	6.6	TMFC 7755 QAAR
	2	1	1	–	–	right	right	7.5	TMFC 775Y AAR
	2	1	–	–	1	right	right	6.1	TMFC 775W AAR
Single lever, detachable  Fig.: Locking lever, locking button right side	2	2	–	–	–	left	left	6.4	TMFC 7755 B
	2	2	–	1	–	left	left	6.9	TMFC 7755 QB
	2	1	1	–	–	left	left	7.6	TMFC 775Y B
	2	1	–	–	1	left	left	6.2	TMFC 775W B
	2	2	–	–	–	right	right	6.4	TMFC 7755 BBR
	2	2	–	1	–	right	right	6.9	TMFC 7755 QBBR
	2	1	1	–	–	right	right	7.6	TMFC 775Y BBR
	2	1	–	–	1	right	right	6.2	TMFC 775W BBR
Protective cap and assembly screws are included in the delivery.									

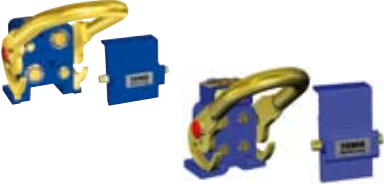


Plug Plate with Support Plate (3/4" + 1/2")

TEMA C-Line Standard

	Plug 3/4"	Plug 1/2"	El.-Connect.		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
			7-pole	14-pole					
	2	2	–	–	–			5.6	TMMC 7755
	2	2	–	1	–			5.7	TMMC 7755 Q
	2	1	1	–	–			5.9	TMMC 775Y
	2	1	–	–	1			5.1	TMMC 775W
Assembly screws and support plate are included in the delivery.									


Coupling Plate with Protective Cap (3/4" + 1/2" + 3/8")

TEMA C-Line Standard

<div> <div> <div> <div>3/8" 3/4"</div> <div>3/8" 3/4"</div> <div>3/4" 1/2"</div> </div> <div> <div>3/8" 3/4"</div> <div>3/4" 1/2"</div> </div> <div> <div>3/4" 1/2"</div> </div> </div> <div> <div>EL</div> <div>3/8" 3/4"</div> <div>3/4" 1/2"</div> </div> </div>	Coupling 3/4"	Coupling 1/2"	Coupling 3/8"	El.-Connect.		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
				7-pole	14-pole					
<div> <div>Twin-arm lever</div> <div>  </div> <div>Fig.: Locking lever, locking button left side</div> </div>	2	1	1	–	–	–	Twin-arm	left	6.6	TMFC 7753
	2	1	1	–	1	–	Twin-arm	left	6.9	TMFC 7753 Q
	2	–	1	1	–	–	Twin-arm	left	7.8	TMFC 77Y3
	2	–	1	–	–	1	Twin-arm	left	6.4	TMFC 77W3
	2	1	1	–	–	–	Twin-arm	right	6.6	TMFC 7753 R
	2	1	1	–	1	–	Twin-arm	right	6.9	TMFC 7753 QR
	2	–	1	1	–	–	Twin-arm	right	7.8	TMFC 77Y3 R
	2	–	1	–	–	1	Twin-arm	right	6.4	TMFC 77W3 R
<div> <div>Single lever, fixed</div> <div>  </div> <div>Fig.: Locking lever, locking button right side</div> </div>	2	1	1	–	–	–	left	left	6.3	TMFC 7753 A
	2	1	1	–	1	–	left	left	6.6	TMFC 7753 QA
	2	–	1	1	–	–	left	left	7.4	TMFC 77Y3 A
	2	–	1	–	–	1	left	left	6.1	TMFC 77W3 A
	2	1	1	–	–	–	right	right	6.3	TMFC 7753 AAR
	2	1	1	–	1	–	right	right	6.6	TMFC 7753 QAAR
	2	–	1	1	–	–	right	right	7.4	TMFC 77Y3 AAR
	2	–	1	–	–	1	right	right	6.1	TMFC 77W3 AAR
<div> <div>Single lever, detachable</div> <div>  </div> <div>Fig.: Locking lever, locking button right side</div> </div>	2	1	1	–	–	–	left	left	6.4	TMFC 7753 B
	2	1	1	–	1	–	left	left	6.7	TMFC 7753 QB
	2	–	1	1	–	–	left	left	7.6	TMFC 77Y3 B
	2	–	1	–	–	1	left	left	6.2	TMFC 77W3 B
	2	1	1	–	–	–	right	right	6.4	TMFC 7753 BBR
	2	1	1	–	1	–	right	right	6.7	TMFC 7753 QBBR
	2	–	1	1	–	–	right	right	7.6	TMFC 77Y3 BBR
	2	–	1	–	–	1	right	right	6.2	TMFC 77W3 BBR
Protective cap and assembly screws are included in the delivery.										

Plug Plate with Support Plate (3/4" + 1/2" + 3/8")

TEMA C-Line Standard

<div> <div> <div> <div>3/8" 3/4"</div> <div>3/8" 3/4"</div> <div>3/4" 1/2"</div> </div> <div> <div>3/8" 3/4"</div> <div>3/4" 1/2"</div> </div> <div> <div>3/4" 1/2"</div> </div> </div> <div> <div>EL</div> <div>3/8" 3/4"</div> <div>3/4" 1/2"</div> </div> </div>	Plug 3/4"	Plug 1/2"	Plug 3/8"	El.-Connect.		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
				7-pole	14-pole					
<div>  </div>	2	1	1	–	–	–			5.3	TMMC 7753
	2	1	1	–	1	–			5.4	TMMC 7753 Q
	2	–	1	1	–	–			5.7	TMMC 77Y3
	2	–	1	–	–	1			4.8	TMMC 77W3
Assembly screws and support plate are included in the delivery.										

I-Line 3/8" / 1/2" / 3/4"



Technical Description

Multiple connector system with locking lever and safety locking. Original TEMA plug-profile with spill-proof flat face design. Coupling body/plug fitted with high-flow valve system.

Working Pressure

Max. pressure range: 350 bar (safety factor 4:1)

Attention: half the number of connections in the respective sizes

Pressure Eliminator

All plugs are fitted with pressure eliminators to eliminate residual pressures up to maximum working pressure on the plug side (maximum 50 bar on the coupling side).

7-Pole Electrical Connection

Male part (coupling plate):

Cable: 7 x 1,5 RDOE 5 m

Female part (plug plate):

Cable: 7 x 1,5 RDOE 3 m

Not IP classified

Contact block: NBR

Connector: (pins and casing)

bronze, silver plated

Electric connection box:

Thermoplastic (POM)

Pull relief (cable): PA/NBR

Max. voltage: 24 V

Max. current: 16 A*

* For return-current through cable, the total permitted current through the connector is maximum 16 A.

14-pole electrical connectors available on demand.

Working Temperature

-30°C up to +100°C (NBR/PUR)

Materials

Plates

Coupling-/Plug Plates
Support Plate:

Aluminium, anodised-blue
Aluminium, anodised-blue

Protective Cap

Polyamide, NBR-seal

Quick Connect Couplings/-Plugs

Steel, zinc-plated, yellow passivated (Cr3+), movable sleeve made of stainless steel AISI 304

Seals

NBR/PUR
replaceable profile ring on plug side

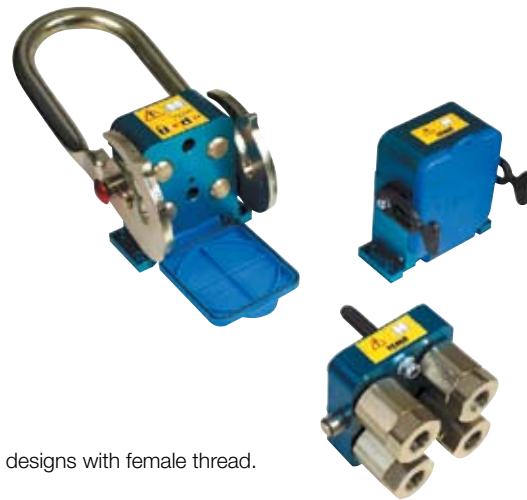
Locking Mechanism

Locking Button:

Steel, zinc-plated, yellow passiv. (Cr3+) Aluminium, anodised-red

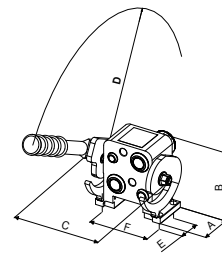
Blank Plug

Thermoplastics (POM)



All designs with female thread.

Sizes, mm

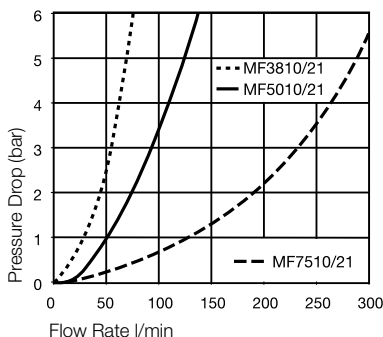


Coupling Plate / Combinations

	1/2" 1/2" + 3/8" Twin-arm lever	1/2" 1/2" + 3/8" Single lever, fixed	1/2", 1/2" + 3/8" Single lever, detachable
A	60	60	60
B	143	143	143
C	160	165	170
D	270	290	276
E	40	40	40
F	121	121	121

	3/4" + 1/2" 3/4" + 1/2" + 3/8" Twin-arm lever	3/4" + 1/2" 3/4" + 1/2" + 3/8" Single lever, fixed	3/4" + 1/2" 3/4" + 1/2" + 3/8" Single lever, det.
A	70	70	70
B	143	143	143
C	160	165	170
D	270	290	276
E	50	50	50
F	121	121	121

Flow Capacity – Viscosity for 32cSt at 40°C as per ISO 7241/2-2000



Hydraulic Flow

3/8" 54 l/min (3 bar pressure drop) DN 10
1/2" 97 l/min (3 bar pressure drop) DN 12.5
3/4" 240 l/min (3 bar pressure drop) DN 19

Nominal Diameter mm

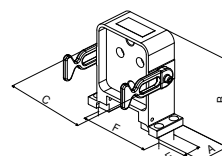
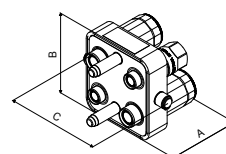
Plug Plate / Combinations

	1/2" 1/2" + 3/8"	3/4" + 1/2" 3/4" + 1/2" + 3/8"
A	83	95
B	115	115
C	135	135

Support Plate

	all models
A	52
B	143
C	141
E	30
F	121



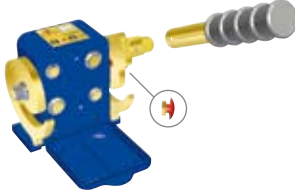
Connections (Threads)
see chart page 8.



Coupling Plate with Protective Lid (1/2" + 3/8")

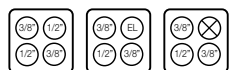
TEMA I-Line Industry




	Coupling 1/2"	Coupling 3/8"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
Twin-arm lever  Fig.: Locking lever, locking button left side	2	2	–	–	Twin-arm	left	5.4	TMFI 5533
	1	2	1	–	Twin-arm	left	6.6	TMFI 5Y33
	1	2	–	1	Twin-arm	left	5.5	TMFI 5W33
	2	2	–	–	Twin-arm	right	5.4	TMFI 5533 R
	1	2	1	–	Twin-arm	right	6.6	TMFI 5Y33 R
	1	2	–	1	Twin-arm	right	5.5	TMFI 5W33 R
Single lever, fixed  Fig.: Locking lever, locking button right side	2	2	–	–	left	left	5.1	TMFI 5533 A
	1	2	1	–	left	left	6.3	TMFI 5Y33 A
	1	2	–	1	left	left	4.9	TMFI 5W33 A
	2	2	–	–	right	right	5.1	TMFI 5533 AAR
	1	2	1	–	right	right	6.3	TMFI 5Y33 AAR
	1	2	–	1	right	right	4.9	TMFI 5W33 AAR
Single lever, detachable  Fig.: Locking lever, locking button right side	2	2	–	–	left	left	5.2	TMFI 5533 B
	1	2	1	–	left	left	6.4	TMFI 5Y33 B
	1	2	–	1	left	left	5.0	TMFI 5W33 B
	2	2	–	–	right	right	5.2	TMFI 5533 BBR
	1	2	1	–	right	right	6.4	TMFI 5Y33 BBR
	1	2	–	1	right	right	5.0	TMFI 5W33 BBR
Assembly screws and protective lid are included in the delivery.								

Plug Plate (1/2" + 3/8")

TEMA I-Line Industry




	Plug 1/2"	Plug 3/8"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
	2	2	–	–			3.1	TMMI 5533
	1	2	1	–			3.4	TMMI 5Y33
	1	2	–	1			2.6	TMMI 5W33

Support Plate for Plug Plate (1/2" + 3/8")

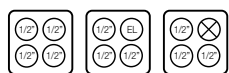
TEMA I-Line Industry

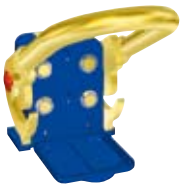
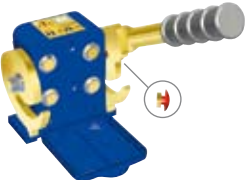
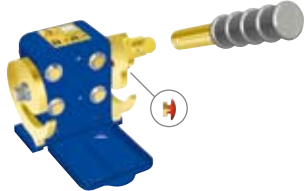


	Plug 1/2"	Plug 3/8"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
							1.7	TMPI 5533
Assembly screws are included in the delivery.								

Coupling Plate with Protective Lid (1/2")

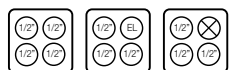
TEMA I-Line Industry




	Coupling 1/2"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
Twin-arm lever  Fig.: Locking lever, locking button left side	4	–	–	Twin-arm	left	5.4	TMFI 5555
	3	1	–	Twin-arm	left	6.6	TMFI 555Y
	3	–	1	Twin-arm	left	5.2	TMFI 555W
	4	–	–	Twin-arm	right	5.4	TMFI 5555 R
	3	1	–	Twin-arm	right	6.6	TMFI 555Y R
	3	–	1	Twin-arm	right	5.2	TMFI 555W R
Single lever, fixed  Fig.: Locking lever, locking button right side	4	–	–	left	left	5.1	TMFI 5555 A
	3	1	–	left	left	6.3	TMFI 555Y A
	3	–	1	left	left	4.9	TMFI 555W A
	4	–	–	right	right	5.1	TMFI 5555 AAR
	3	1	–	right	right	6.3	TMFI 555Y AAR
	3	–	1	right	right	4.9	TMFI 555W AAR
Single lever, detachable  Fig.: Locking lever, locking button right side	4	–	–	left	left	5.2	TMFI 5555 B
	3	1	–	left	left	6.4	TMFI 555Y B
	3	–	1	left	left	5.0	TMFI 555W B
	4	–	–	right	right	5.2	TMFI 5555 BBR
	3	1	–	right	right	6.4	TMFI 555Y BBR
	3	–	1	right	right	5.0	TMFI 555W BBR
Assembly screws and protective lid are included in the delivery.							

Plug Plate (1/2")


TEMA I-Line Industry



	Plug 1/2"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
	4	–	–			3.6	TMMI 5555
	3	1	–			3.9	TMMI 555Y
	3	–	1			3.1	TMMI 555W

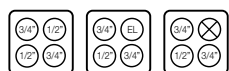
Support Plate for Plug Plate (1/2")

TEMA I-Line Industry

	Plug 1/2"	El.-Connect. 7-pole	Blank Plug 1/22	Locking Lever Pos.	Locking Button	Weight kg	Part Number
						1.7	TMPI 5555
Assembly screws are included in the delivery.							

Coupling Plate with Protective Lid (3/4" + 1/2")

TEMA I-Line Industry



Twin-arm lever



Fig.: Locking lever, locking button left side

Single lever, fixed



Fig.: Locking lever, locking button right side

Single lever, detachable



Fig.: Locking lever, locking button right side

	Coupling 3/4"	Coupling 1/2"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
Twin-arm lever	2	2	–	–	Twin-arm	left	6.1	TMFI 7755
	2	1	1	–	Twin-arm	left	7.3	TMFI 775Y
	2	1	–	1	Twin-arm	left	5.9	TMFI 775W
	2	2	–	–	Twin-arm	right	6.1	TMFI 7755 R
	2	1	1	–	Twin-arm	right	7.3	TMFI 775Y R
	2	1	–	1	Twin-arm	right	5.9	TMFI 775W R
Single lever, fixed	2	2	–	–	left	left	5.8	TMFI 7755 A
	2	1	1	–	left	left	7.0	TMFI 775Y A
	2	1	–	1	left	left	5.6	TMFI 775W A
	2	2	–	–	right	right	5.8	TMFI 7755 AAR
	2	1	1	–	right	right	7.0	TMFI 775Y AAR
	2	1	–	1	right	right	5.6	TMFI 775W AAR
Single lever, detachable	2	2	–	–	left	left	5.9	TMFI 7755 B
	2	1	1	–	left	left	7.1	TMFI 775Y B
	2	1	–	1	left	left	5.7	TMFI 775W B
	2	2	–	–	right	right	5.9	TMFI 7755 BBR
	2	1	1	–	right	right	7.1	TMFI 775Y BBR
	2	1	–	1	right	right	5.7	TMFI 775W BBR
Assembly screws and protective lid are included in the delivery.								

Plug Plate (3/4" + 1/2")

TEMA I-Line Industry



	Plug 3/4"	Plug 1/2"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
	2	2	–	–			4.1	TMMI 7755
	2	1	1	–			4.4	TMMI 775Y
	2	1	–	1			3.6	TMMI 775W

Support Plate for Plug Plate (3/4" + 1/2")

TEMA I-Line Industry






	Plug 3/4"	Plug 1/2"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
							1.7	TMPI 7755
Assembly screws are included in the delivery.								

Coupling Plate with Protective Lid (3/4" + 1/2" + 3/8")

TEMA I-Line Industry




	Coupling 3/4"	Coupling 1/2"	Coupling 3/8"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
Twin-arm lever  Fig.: Locking lever, locking button left side	2	1	1	–	–	Twin-arm	left	6.1	TMFI 7753
	2	–	1	1	–	Twin-arm	left	7.3	TMFI 77Y3
	2	–	1	–	1	Twin-arm	left	5.9	TMFI 77W3
	2	1	1	–	–	Twin-arm	right	6,1	TMFI 7753 R
	2	–	1	1	–	Twin-arm	right	7.3	TMFI 77Y3 R
	2	–	1	–	1	Twin-arm	right	5.9	TMFI 77W3 R
Single lever, fixed  Fig.: Locking lever, locking button right side	2	1	1	–	–	left	left	5.8	TMFI 7753 A
	2	–	1	1	–	left	left	7.0	TMFI 77Y3 A
	2	–	1	–	1	left	left	5.6	TMFI 77W3 A
	2	1	1	–	–	right	right	5.8	TMFI 7753 AAR
	2	–	1	1	–	right	right	7.0	TMFI 77Y3 AAR
	2	–	1	–	1	right	right	5.6	TMFI 77W3 AAR
Single lever, detachable  Fig.: Locking lever, locking button right side	2	1	1	–	–	left	left	5.9	TMFI 7753 B
	2	–	1	1	–	left	left	7.1	TMFI 77Y3 B
	2	–	1	–	1	left	left	5.7	TMFI 77W3 B
	2	1	1	–	–	right	right	5.9	TMFI 7753 BBR
	2	–	1	1	–	right	right	7.1	TMFI 77Y3 BBR
	2	–	1	–	1	right	right	5.7	TMFI 77W3 BBR
Assembly screws and protective lid are included in the delivery.									

Plug Plate (3/4" + 1/2" + 3/8")


TEMA I-Line Industry



	Plug 3/4"	Plug 1/2"	Plug 3/8"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
	2	1	1	–	–			3.8	TMMI 7753
	2	–	1	1	–			4.2	TMMI 77Y3
	2	–	1	–	1			3.3	TMMI 77W3

Support Plate for Plug Plate (3/4" + 1/2" + 3/8")

TEMA I-Line Industry

	Plug 3/4"	Plug 1/2"	Plug 3/8"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
								1.7	TMPI 7753
Assembly screws are included in the delivery.									








Accessories TEMA MULTI-LINE®

Support Plate for Plug Plate			TEMA C-Line	
	suitable plug plates with Part Number	Version	Weight kg	Part Number
	TMMC 33Y	C-Line Compact	1.1	TMPC 555
	TMMC 33W			
	TMMC 55Y			
	TMMC 55W			
	TMMC 55	C-Line Compact	1.5	TMPC 77
	TMMC 77			
	TMMC 55Q	C-Line Compact	1.6	TMPC 77Q
	TMMC 77Q			
	TMMC 3333	C-Line Standard	1.1	TMPC 3333
	TMMC 3333Q	C-Line Standard	1.2	TMPC 3333Q
	TMMC 5533	C-Line Standard	1.5	TMPC 5533
	TMMC 5Y33			
	TMMC 5W33			
	TMMC 5533Q	C-Line Standard	1.6	TMPC 5533Q
	TMMC 5555	C-Line Standard	1.5	TMPC 5555
	TMMC 555Y			
	TMMC 555W			






Support Plate for Plug Plate

TEMA C-Line

	suitable plug plates with Part Number	Version	Weight kg	Part Number
	TMMC 5555Q	C-Line Standard	1.6	TMPC 5555Q
	TMMC 7755	C-Line Standard	1.5	TMPC 7755
	TMMC 775Y			
	TMMC 775W			
	TMMC 7755Q	C-Line Standard	1.6	TMPC 7755Q
	TMMC 7753	C-Line Standard	1.5	TMPC 7753
	TMMC 77Y3			
	TMMC 77W3			
	TMMC 7753Q	C-Line Standard	1.6	TMPC 7753Q



Protective Caps/Lids

TEMA C-Line

		Version	Weight kg	Part Number
		C-Line Compact	0.4	TMDC 1C
		C-Line Standard	0.6	TMDC 2
		C-Line Standard 4 x 3/8"	0.4	TMDC 1
		C-Line Standard 4 x 3/8" inc. 14-pole electrical plug	0.5	TMDC 1Q
		C-Line Standard inc. 14-pole electrical plug	0.7	TMDC 2Q





Protective Caps/Lids

TEMA C-Line

		Version	Weight kg	Part Number
		C-Line Compact 2 x 3/4" or	0.5	TMDC 3
		C-Line Compact 2 x 1/2"		
		C-Line Compact 2 x 3/4" or	0.5	TMDC 3Q
		C-Line Compact 2 x 1/2"		
		inc. 14-pole electrical plug		

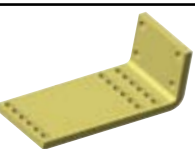

Welding Plate

TEMA C-Line Compact




		Weight kg	Part Number
	Universal welding plate for coupling plate C-Line compact design	0.2	TM-210K
	incl. two welding brackets and assembly screws for the coupling plate.		
	Universal welding plate for support plate C-Line standard	0,3	TM-210K2
	4 x 3/8" incl. two welding brackets and assembly screws for the support plate.		
	Universal welding plate for support plate C-Line compact design	0.3	TM-214K
	incl. two welding brackets and assembly screws for the support plate.		
	Universal installation kit comprising two welding plates for C-line	0.3	TM-258K
	2 x 1/2" + 2 x 3/4" inc. associated screws for the C-line compact coupling plates.		

Assembly Brackets



TEMA C-Line Standard

		Weight kg	Part Number
	Universal assembly bracket to be screwed or welded,	0.7	TM-FMP2
	(excl. screws). Can be cut and adapted to fit various tool carriers.		
	(Self installation).		
	Assembly bracket to be screwed, for Volvo L60 -L180 (excl. screws)	1.6	TM-FMP3K
	(for left hand mounting as seen from drivers seat).		



Assembly Brackets**TEMA C-Line Standard**

		Weight kg	Part Number
	Assembly bracket to be screwed, for Volvo L60 –L180 (excl. screws) (for right hand mounting as seen from drivers seat).	1.6	TM-FMP4K
	Assembly bracket to be screwed, for Volvo L20 –L45 (excl. screws)	1.1	TM-FMP5K
	Assembly bracket to be screwed, for C-Line compact, for Volvo L20 –L45 (excl. screws)	1.1	TM-FMP6K





Other Accessories**TEMA C-Line / I-Line**

		Weight kg	Part Number
	Detachable handle – universal		TM-220-SP
	Detachable handle (4 x 3/8")		TM-242-SP
	Blank plug 3/8" for coupling plates on page 9, 15, 20		MF3810P6-PLUGG
	Blank plug 3/8" for coupling plates on page 18, 23		MF3810P7-PLUGG
	Blank plug 3/8" for plug plates		MF3821-PLUGG
	Blank plug 1/2" for coupling plates on page 9, 15, 16, 20, 21		MF5010P6-PLUGG
	Blank plug 1/2" for coupling plates on page 17, 18, 22, 23		MF5010P7-PLUGG
	Blank plug 1/2" for plug plates		MF5021-PLUGG
	Blank plug 3/4" for coupling plates on page 11, 17, 18, 22, 23		MF7510-PLUGG
	Blank plug 3/4" for plug plates		MF7521-PLUGG



Electrical contact**TEMA C-Line / I-Line**

		Weight kg	Part Number
Plug 	Electrical plug, short, 7-pole, inc. 5 m cable and installation kit for coupling plate		TMEM2-P6-SP
	Electrical plug, long, 7-pole, inc. 5 m cable and installation kit for coupling plate		TMEM2-P7-SP
Closure 	Electrical closure, 7-pole, inc. 3 m cable and installation kit for plug plate		TMEF2-SP
	Electrical plug, short, 7-pole, without cable, inc. installation kit for coupling plate		TMEM2-P6-00
	Electrical plug, long, 7-pole, without cable, inc. installation kit for coupling plate		TMEM2-P7-00
	Electrical closure, 7-pole, without cable, inc. installation kit for plug plate		TMEF2-00

Electrical contact**TEMA C-Line / I-Line**

		Weight kg	Part Number
	Electrical closure, 14-pole, without cable, inc. installation kit for coupling plate	0.3	STA 1410
	Electrical plug, 14-pole, without cable, inc. installation kit for plug plate	0.3	STA 1420
	Electrical protective cap with installation kit for plug plate	0.1	STA 1415
	Electrical protective cap with installation kit for support plate	0.1	STA 1425

Complete electrical set**TEMA C-Line / I-Line**

		Weight kg	Part Number
	Complete electrical set, 14-pole, for retrofitting TMFC 3333 ... and TMMC 3333, inc. protective cap TMDC 1Q	1.3	STA 14-K1
	Complete electrical set, 14-pole, for retrofitting TMFC5533, TMMC 5533 and TMFC 5555, TMMC 5555, incl. protective cap TMDC2Q	1.3	STA 14-K21
	Complete electrical set, 14-pole, for retrofitting TMFC7755 and TMMC 7755, incl. protective cap TMDC2Q7755	1.3	STA 14-K22
	Complete electrical set, 14-pole, for retrofitting TMFC7753 and TMMC 7753, incl. protective cap TMDC2Q7753	1.3	STA 14-K23
	Complete electrical set, 14-pole, for retrofitting TMFC 55 ..., TMMC 55 and TMFC 77..., TMMC 77, inc. protective cap TMDC 3Q	1.3	STA 14-K3

Electric cable for 14-pole electrical contact**TEMA C-Line**

		Weight kg	Part Number
	Electric cable for 14-pole electrical contact, 18 x 0.75 mm ² , PUR TPU, running meter	0.2	CAB18x075
	Electric cable for 14-pole electrical contact, 18 x 1.5 mm ² , PUR TPU, running meter	0.4	CAB18x150



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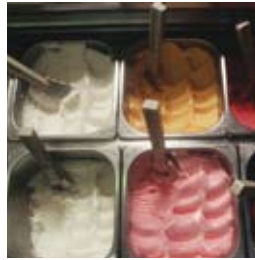
AEROSPACE

Key Markets

- Aircraft engines
- Business & general aviation
- Commercial transports
- Land-based weapons systems
- Military aircraft
- Missiles & launch vehicles
- Regional transports
- Unmanned aerial vehicles

Key Products

- Flight control systems & components
- Fluid conveyance systems
- Fluid metering delivery & atomization devices
- Fuel systems & components
- Hydraulic systems & components
- Inert nitrogen generating systems
- Pneumatic systems & components
- Wheels & brakes



CLIMATE CONTROL

Key Markets

- Agriculture
- Air conditioning
- Food, beverage & dairy
- Life sciences & medical
- Precision cooling
- Processing
- Transportation

Key Products

- CO₂ controls
- Electronic controllers
- Filter driers
- Hand shut-off valves
- Hose & fittings
- Pressure regulating valves
- Refrigerant distributors
- Safety relief valves
- Solenoid valves
- Thermostatic expansion valves



ELECTROMECHANICAL

Key Markets

- Aerospace
- Factory automation
- Life science & medical
- Machine tools
- Packaging machinery
- Paper machinery
- Plastics machinery & converting
- Primary metals
- Semiconductor & electronics
- Textile
- Wire & cable

Key Products

- AC/DC drives & systems
- Electric actuators, gantry robots & slides
- Electrohydraulic actuation systems
- Electromechanical actuation systems
- Human machine interface
- Linear motors
- Stepper motors, servo motors, drives & controls
- Structural extrusions



FILTRATION

Key Markets

- Food & beverage
- Industrial machinery
- Life sciences
- Marine
- Mobile equipment
- Oil & gas
- Power generation
- Process
- Transportation

Key Products

- Analytical gas generators
- Compressed air & gas filters
- Condition monitoring
- Engine air, fuel & oil filtration & systems
- Hydraulic, lubrication & coolant filters
- Process, chemical, water & microfiltration filters
- Nitrogen, hydrogen & zero air generators



FLUID & GAS HANDLING

Key Markets

- Aerospace
- Agriculture
- Bulk chemical handling
- Construction machinery
- Food & beverage
- Fuel & gas delivery
- Industrial machinery
- Mobile
- Oil & gas
- Transportation
- Welding

Key Products

- Brass fittings & valves
- Diagnostic equipment
- Fluid conveyance systems
- Industrial hose
- PTFE & PFA hose, tubing & plastic fittings
- Rubber & thermoplastic hose & couplings
- Tube fittings & adapters
- Quick disconnects



HYDRAULICS

Key Markets

- Aerospace
- Aerial lift
- Agriculture
- Construction machinery
- Forestry
- Industrial machinery
- Mining
- Oil & gas
- Power generation & energy
- Truck hydraulics

Key Products

- Diagnostic equipment
- Hydraulic cylinders & accumulators
- Hydraulic motors & pumps
- Hydraulic systems
- Hydraulic valves & controls
- Power take-offs
- Rubber & thermoplastic hose & couplings
- Tube fittings & adapters
- Quick disconnects



PNEUMATICS

Key Markets

- Aerospace
- Conveyor & material handling
- Factory automation
- Life science & medical
- Machine tools
- Packaging machinery
- Transportation & automotive

Key Products

- Air preparation
- Brass fittings & valves
- Manifolds
- Pneumatic accessories
- Pneumatic actuators & grippers
- Pneumatic valves & controls
- Quick disconnects
- Rotary actuators
- Rubber & thermoplastic hose & couplings
- Structural extrusions
- Thermoplastic tubing & fittings
- Vacuum generators, cups & sensors



PROCESS CONTROL

Key Markets

- Chemical & refining
- Food, beverage & dairy
- Medical & dental
- Microelectronics
- Oil & gas
- Power generation

Key Products

- Analytical sample conditioning products & systems
- Fluoropolymer chemical delivery fittings, valves & pumps
- High purity gas delivery fittings, valves & regulators
- Instrumentation fittings, valves & regulators
- Medium pressure fittings & valves
- Process control manifolds



SEALING & SHIELDING

Key Markets

- Aerospace
- Chemical processing
- Consumer
- Energy, oil & gas
- Fluid power
- General industrial
- Information technology
- Life sciences
- Military
- Semiconductor
- Telecommunications
- Transportation

Key Products

- Dynamic seals
- Elastomeric o-rings
- EMI shielding
- Extruded & precision-cut, fabricated elastomeric seals
- Homogeneous & inserted elastomeric shapes
- High temperature metal seals
- Metal & plastic retained composite seals
- Thermal management



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