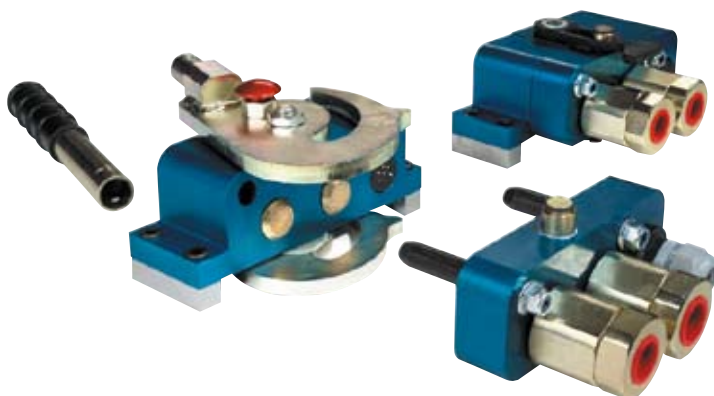




C-Line Compact 3/8" / 1/2"



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

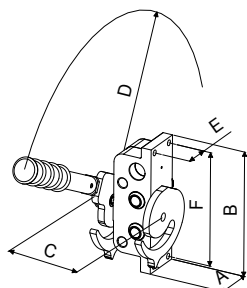
Male part (coupling plate):
Cable: 7 x 1,5 RDOE 5 m
Female part (plug plate)
Cable: 7 x 1,5 RDOE 3 m
Not IP classified
Contact block: NBR
Connector: (pins and casing)
bronze, silver plated
Electric connection box:
Thermoplastic (POM)
Pull relief (cable): PA/NBR
Max. voltage: 24 V
Max. current: 16 A*

* 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

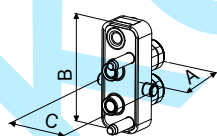
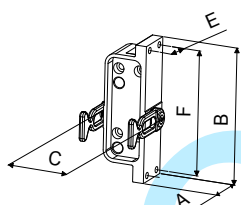
	3/8" and 1/2"
A	60
B	189
C	108
D	278
E	40
F	173

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

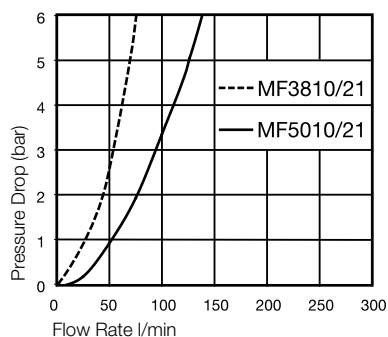
Locking Mechanism Locking Button:

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**

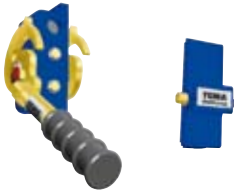
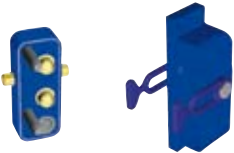
<div> <div>3/8" 3/8" EL</div> <div>3/8" 3/8" X</div> </div>	Coupling 3/8"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
	2	1	–	right	right	6.0	TMFC 33Y BBR*
	2	–	1	right	right	4.8	TMFC 33W BBR*
	2	1	–	left	left	6.0	TMFC 33Y B**
	2	–	1	left	left	4.8	TMFC 33W 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**


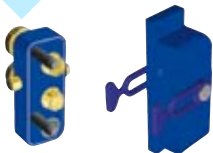
<div> <div>1/2" 1/2" EL</div> <div>1/2" 1/2" X</div> </div>	Coupling 1/2"	El.-Connect. 7-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
	2	1	–	right	right	6.1	TMFC 55Y BBR*
	2	–	1	right	right	4.8	TMFC 55W BBR*
	2	1	–	left	left	6.1	TMFC 55Y B**
	2	–	1	left	left	4.8	TMFC 55W 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).

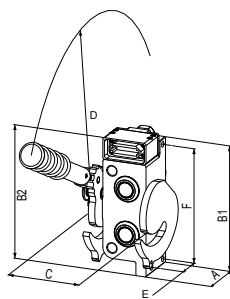


C-Line Compact 1/2" / 3/4"



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"

¹⁾ with electrical plug

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

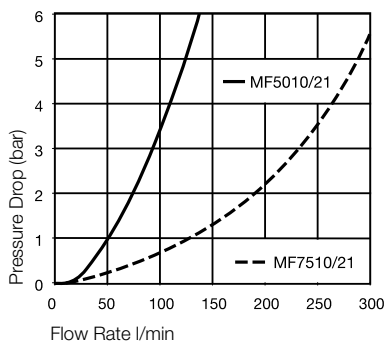
Locking Mechanism Locking Button:

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

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



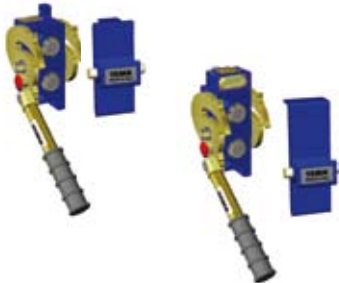
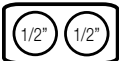
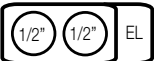

 	Coupling 1/2"	El.-Connect. 14-pole	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight kg	Part Number
	2	–	–	left	left	5.1	TMFC 55 B**
	2	1	–	left	left	5.4	TMFC 55 QB**
	2	–	–	right	right	5.1	TMFC 55 BBR*
	2	1	–	right	right	5.4	TMFC 55 QBBR*
The protective cap is included.							
The coupling plate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