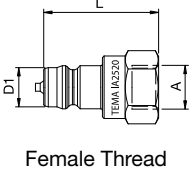


Plugs

TEMA Series TIA2500

	Dimension	Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working pressure in bar	Part Number	DS
 <p>Female Thread</p>	1/4"	G 1/4	19		34,5			11,8		350	TIA2520	■

Seal-Kit for Coupling

TEMA Series TIA2500

	Description	Material	Part Number	DS
	Coupling	NBR	TIA2500-PSN	■

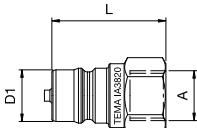
Dust Protection

TEMA Series TIA2500

	Description	L mm	D mm	Material	Color	Part Number	DS
	Coupling			PVC	Blue	TIA2516 BL	■
	Plug			PVC	Blue	TIA2526 BL	■

Plugs

TEMA Series TIA3800

	Dimension	Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working pressure in bar	Part Number	DS
 <p>Female Thread</p>	3/8"	G 3/8	22		38			17,3		315	TIA3820	■

Seal-Kit for Coupling

TEMA Series TIA3800

	Description	Material	Part Number	DS
	Coupling	NBR	TIA3800-PSN	■

Dust Protection

TEMA Series TIA3800

	Description	L mm	D mm	Material	Color	Part Number	DS
	Coupling	240	25	PVC	Red	TIA3816 R	■
	Plug	250	25	PVC	Red	TIA3826 R	■



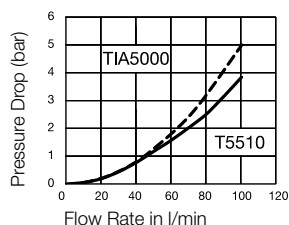
Nominal Diameter

13 = 133 mm²

TEMA Series


TIA5000


80% of actual size

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

The TIA5000 series has been manufactured according to the regulations and dimensions of the standard specification ISO 7241-1 A series. With the pressure eliminator, it is possible to establish connections with residual pressure (up to 200 bar). The pressure eliminator is available for both – coupling and the plug.

Advantages

The TIA5000 series can be coupled with other makes complying with the same standard. This quick connect hydraulic coupling has a wide through-flow cross-section, yet it has a very small pressure drop. Push-pull versions serve to prevent tears in hydraulic hoses.

Available Valves**Working Pressure**

See chart.

Working Temperature*

-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium.

*At a temperature below -40°C and above +200°C special seals are available on request.

Material**Coupling**

Coupling Body
Sleeve
Valve
Springs
Locking Balls
Seals
Valve Holder (up to 100°C)
Valve Holder (over 100°C)

Plug

Plug Body

Valve
Springs
Seals
Valve Holder (up to 100°C)
Valve Holder (over 100°C)

Pressure

Bursting Pressure coupled
Working Pressure uncoupled

Standard

Steel, Zinc Pl., Yellow passivated
Steel, Zinc Pl., Yellow passivated
Steel, Zinc Pl., Yellow passivated
AISI 301
AISI 420 C
NBR
Stainless Steel

Steel, Zinc Pl., Yellow passivated

Steel
AISI 301
NBR
Stainless Steel

> 1000 bar
250 bar

Brass-Version

Brass
Brass, Nickel Plated
Brass, Hardened
AISI 301
AISI 420 C
NBR/FKM
Zinc Casting
Brass

Steel Version

Steel Hardened, Zinc Plated,
Yellow passivated
Brass
AISI 301
NBR/FKM
Zinc Casting
Brass

> 1000 bar
250 bar

Couplings Standard**TEMA Series TIA5000**

	Dimen- sion	Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working press. in bar	Version	Part Number	DS
 Female Thread	1/2"	G 1/2	32		71		38			250	Standard	TIA5010	■
 Female Thread Push-Pull	1/2"	G 1/2	27		68		38			250	Standard	TIA5010 P	■

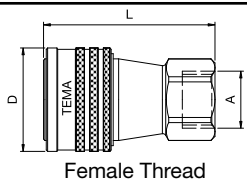
DS = Delivery Status: ■ in stock

□ on short call

□ medium term delivery

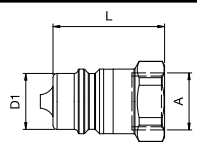
Couplings Brass Version

TEMA Series TIA5000

	Dimension	Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working press. in bar	Version	Part Number	DS
 <p>Female Thread</p>	1/2"	G 1/2	27		63		30		38	250	Brass	T5510	■
	1/2"	G 1/2	27		63		30		38	250	Brass	T5510 V	■
	1/2"	G 1/2	27		63		30		38	250	Brass	T5511	■
	1/2"	G 1/2	27		63		30		38	250	Brass	T5511 V	■

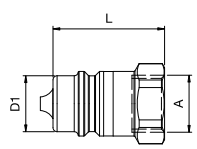
Plugs Standard

TEMA Series TIA5000

	Dimension	Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working press. in bar	Version	Part Number	DS
 <p>Female Thread</p>	1/2"	G 1/2	27		49,5			20,4		250	Standard	TIA5020	■
	1/2"	G 1/2	27		42			20,4		250	Steel	T5520	■
	1/2"	G 1/2	27		42			20,4		250	Steel	T5520 V	■

Plugs with Pressure Eliminator

TEMA Series TIA5000

	Dimension	Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working press. in bar	Version	Part Number	DS
 <p>Female Thread</p>	1/2"	G 1/2	27		42			20,4		250	Steel	T5521	■
	1/2"	G 1/2	27		42			20,4		250	Steel	T5521 V	■

Seal-Kit for Coupling

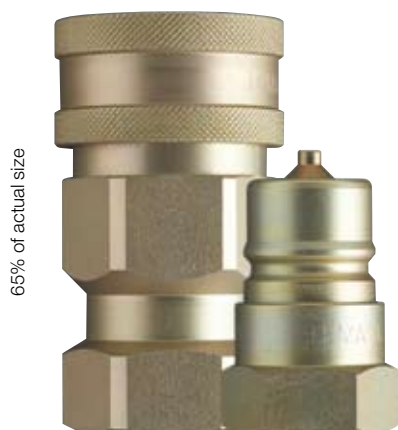
TEMA Series TIA5000

Description	Material	Part Number	DS
Coupling	NBR	TIA5000-PSN	■

Dust Protection

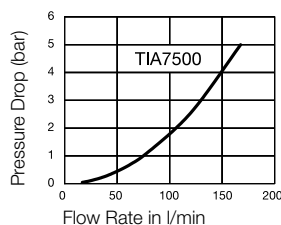
TEMA Series TIA5000

Description	L mm	D mm	Material	Color	Part Number	DS
Coupling	242	30	PVC	Blue	TIA5016 BL	■
Plug	264	30	PVC	Blue	TIA5026 BL	■
Coupling	242	30	PVC	Green	TIA5016 GN	■
Plug	264	30	PVC	Green	TIA5026 GN	■
Coupling	242	30	PVC	Red	TIA5016 R	■
Plug	264	30	PVC	Red	TIA5026 R	■
Coupling	242	30	PVC	Yellow	TIA5016 Y	■
Plug	264	30	PVC	Yellow	TIA5026 Y	■
Coupling	242	30	PVC	Black	TIA5016 BK	■
Plug	264	30	PVC	Black	TIA5026 BK	■



65% of actual size

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



Technical Description

The series TIA7500 has been manufactured according to the regulations and dimensions of the standard specification ISO 7241-1 A series.

Advantages

The TIA7500 series can be coupled with other makes complying with the same standard. This quick connect hydraulic coupling has a wide through-flow cross-section, yet it has a very small pressure drop.

Working Pressure

See chart.

Working Temperature*

-30°C up to +100°C (NBR)
depending on the medium.

*At a temperature below -40°C and above +100°C special seals are available on request.

Available Valves



Material

Coupling

Coupling Body
Sleeve
Valve
Springs
Locking Balls
Seals
Valve Holder

Standard

Steel, Zinc Plated, Yellow passivated
Steel, Zinc Plated, Yellow passivated
Steel, Zinc Plated, Yellow passivated
AISI 301
AISI 420 C
NBR
Stainless Steel

Plug

- Plug Body
- Valve
- Springs
- Seals
- Valve Holder

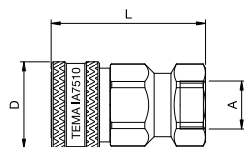
Steel, Zinc Plated, Yellow passivated
Steel, Zinc Plated, Yellow passivated
AISI 301
NBR
Stainless Steel

Pressure

Bursting Pressure coupled	>1070 bar
Working Pressure uncoupled	250 bar

Couplings

TEMA Series TIA7500

[illegible]

Female Thread

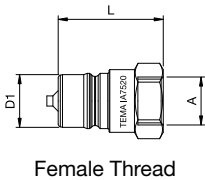
DS = Delivery Status: in stock

☒ on short call

■ medium term delivery

Plugs

TEMA Series TIA7500

	Dimension	Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working pressure in bar	Part Number	DS
 <p>Female Thread</p>	3/4"	G 3/4	36		58			29		250	TIA7520	■

Seal-Kit for Coupling

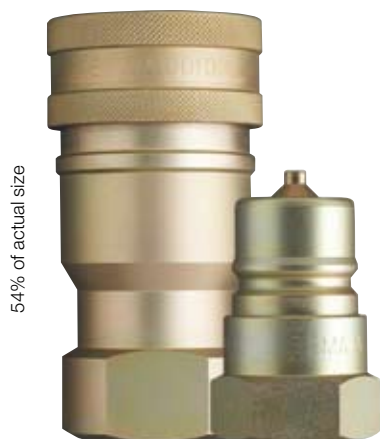
TEMA Series TIA7500

Description	Material	Part Number	DS
Coupling	NBR	TIA7500-PSN	■

Dust Protection

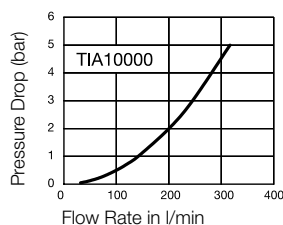
TEMA Series TIA7500

Description	L mm	D mm	Material	Color	Part Number	DS
Coupling	313	36	PVC	Blue	TIA7516 BL	■
Plug	333	36	PVC	Blue	TIA7526 BL	■



54% of actual size

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



Technical Description

The series TIA10000 has been manufactured according to the regulations and dimensions of the standard specification ISO 7241-1 A Series.

Advantages

The TIA10000 series can be coupled with other makes complying with the same standard. This quick connect hydraulic coupling has a wide through-flow cross-section, yet it has a very small pressure drop.

Working Pressure

See chart.

Working Temperature*

-30°C up to +100°C (NBR)
depending on the medium.

*At a temperature below -40°C and above +100°C special seals are available on request.

Available Valves



Material

Coupling

Coupling Body
Sleeve
Valve
Springs
Locking Balls
Seals
Valve Holder

Standard

Steel, Zinc Plated, Yellow passivated
Steel, Zinc Plated, Yellow passivated
Steel, Zinc Plated, Yellow passivated
AISI 301
AISI 420 C
NBR
Stainless Steel

Plug

- Plug Body
- Valve
- Springs
- Seals
- Valve Holder

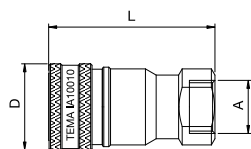
Steel, Zinc Plated, Yellow passivated
Steel, Zinc Plated, Yellow passivated
AISI 301
NBR
Stainless Steel

Pressures

Bursting Pressure coupled	>830 bar
Working Pressure uncoupled	200 bar

Couplings

TEMA Series TIA10000

[illegible]

Female Thread

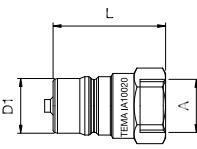
DS = Delivery Status: in stock

☒ on short call

■ medium term delivery

Plugs

TEMA Series TIA10000

	Dimension	Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working pressure in bar	Part Number	DS
 <p>Female Thread</p>	1"	G 1	41		70,5			34,4		200	TIA10020	■

Seal-Kit for Coupling

TEMA Series TIA10000

	Description	Material	Part Number	DS
	Coupling	NBR	TIA10000-PSN	■

Dust Protection

TEMA Series TIA10000

	Description	L mm	D mm	Material	Color	Part Number	DS
	Coupling	290	40	PVC	Blue	TIA10016 BL	■
	Plug	310	40	PVC	Blue	TIA10026 BL	■



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