actual size



#### **Nominal Diameter**

6 = 30 mm<sup>2</sup>



# ■ TIA2500

**TEMA Series** 



The series TIA2500 has been manufactured according to the regulations and dimensions of the standard specification ISO 7241-1 A series.

#### Advantages

The TIA2500 series can be coupled with other products complying with the same standard. This quick connect coupling has a wide throughflow 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.





### Material

#### Coupling

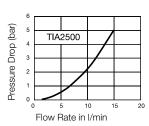
Coupling Body Sleeve Valve Springs Locking Balls Seals Valve Holder

#### Standard

Stainless Steel

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

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



#### Plug

Plug Body Steel, Zinc Plated, Yellow passivated Valve Steel, Zinc Plated, Yellow passivated Springs AISI 301 Seals NBR Valve Holder Stainless Steel

#### Pressure

Bursting Pressure coupled >1590 bar Working Pressure uncoupled 350 bar

#### **TEMA Series TIA2500** Couplings

	Dimen- sion	Connection A			L1 mm	D mm	D1 mm	Working pressure in bar	Part Number	DS
	1/4"	G 1/4	22	49		27		350	TIA2510	_
L L										
32 8										
D WWW IN										
Female Thread										

Plugs							TEMA S	eries TIA25	00
	Dimen- sion		Hex SW	L mm			Working pressure in bar	Part Number	DS
	1/4"	G 1/4	19	34,5		11,8	350	TIA2520	
. L									
-									
TO THE SECOND PROPERTY OF THE SECOND PROPERTY									
D CANANA A									
Female Thread									
i emale mread									

Seal-Kit for Coupling		TEMA S	eries TIA25	00
	Description	Material	Part Number	DS
	Coupling	NBR	TIA2500-PSN	

<b>Dust Protection</b>					TEMA S	eries TIA25	00
	Description	L mm	D mm	Material	Color	Part Number	DS
	Coupling			PVC	Blue	TIA2516 BL	
	Plug			PVC	Blue	TIA2526 BL	



10 = 78 mm<sup>2</sup>



# 

**TEMA Series** 



#### **Technical Description**

The series TIA 3800 has been manufactured according to the regulations and dimensions of the standard specification ISO 7241-1 A series.

#### Advantages

The TIA 3800 series can be coupled with other products complying with the same standard. This quick connect coupling has a wide throughflow cross-section, yet it has a very small pressure drop.

## Available Valves



### **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.

### Coupling Coupling Body

Material

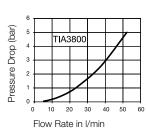
Sleeve Valve Springs Locking Balls Seals Valve Holder

#### Standard

Stainless Steel

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

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



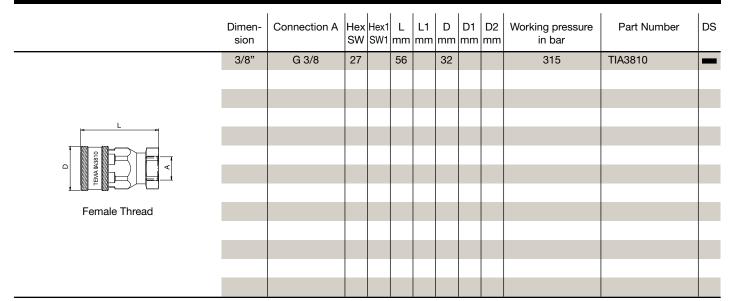
#### Plug

Plug Body Steel, Zinc Plated, Yellow passivated Valve Steel, Zinc Plated, Yellow passivated Springs AISI 301 NBR Seals Valve Holder Stainless Steel

#### Pressure

Bursting Pressure coupled >1170 bar Working Pressure uncoupled 315 bar

#### **TEMA Series TIA3800** Couplings



Plugs								TEMA S	eries IIA380	υO
	Dimen- sion	Connection A		Hex1 SW1		D mm		Working pressure in bar	Part Number	DS
	3/8"	G 3/8	22		38		17,3	315	TIA3820	
L										
<u> </u>										
2										
Female Thread										
геттате тпгеад										

Seal-Kit for Coupling		TEMA S	eries TIA38	00
	Description	Material	Part Number	DS
	Coupling	NBR	TIA3800-PSN	

<b>Dust Protection</b>					TEMA S	eries TIA38	00
	Description	L mm	D mm	Material	Color	Part Number	DS
	Coupling	240	25	PVC	Red	TIA3816 R	
	Plug	250	25	PVC	Red	TIA3826 R	_

13 = 133 mm<sup>2</sup>



# **■ TIA5000**

**Working Pressure** 

**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

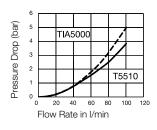
See chart.

**TEMA Series** 





#### 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



#### Standard

Steel, Zinc PI:, Yellow passivated Steel, Zinc PI:, Yellow passivated Steel, Zinc Pl., Yellow passivated **AISI 301** AISI 420 C NRR Stainless Steel

#### **Brass-Version**

on request.

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

#### Plug

Valve

Material

Coupling Coupling Body

Locking Balls

Sleeve

Valve Springs

Seals

Plug Body

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

Valve Holder (up to 100°C)

Valve Holder (over 100°C)

#### Steel, Zinc Pl:, Yellow passivated

Steel AISI 301 NRR Stainless Steel

#### **Steel Version**

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

#### **Pressure**

Bursting Pressure coupled Working Pressure uncoupled

> 1000 bar 250 bar

#### > 1000 bar 250 bar

## **Couplings Standard**

## **TEMA Series TIA5000**

	Dimen- sion	Connection A			L1 mm		D2 mm	Working press. in bar	Version	Part Number	DS
	1/2"	G 1/2	32	71		38		250	Standard	TIA5010	_
Female Thread											
	1/2"	G 1/2	27	68		38		250	Standard	TIA5010 P	
TEMA MSGITOP											
Female Thread Push-Pull											

#### **Couplings Brass Version TEMA Series TIA5000** Dimen-Connection A Hex Hex1 L L1 D D1 D2 Working Part Number DS Version SW SW1 mm mm mm mm mm press. in bar sion 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" 250 G 1/2 27 63 30 38 T5511 Brass Pressure 1/2" G 1/2 27 63 30 38 250 T5511 V Brass

Elimin.

Female Thread

Plugs Standard									TEN	IA Sei	ries TIA50	00
	Dimen- sion	Connection A	1	l	L1 mm	D mm	D1 mm	D2 mm	Working press. in bar	Version	Part Number	DS
	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	_
5	1/2"	G 1/2	27	42			20,4		250	Steel	T5520 V	-
Female Thread												

Plugs with Pressure Eli	mina	itor					TEM	IA Se	ries TIA50	00
	Dimen- sion	Connection A	1	l	D mm	l	Working press. in bar	Version	Part Number	DS
L L	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	
5										
Female Thread										

Seal-Kit for Coupling		TEMA Se	ries TIA500	00
	Description	Material	Part Number	DS
	Coupling	NBR	TIA5000-PSN	

<b>Dust Protection</b>					TEMA Se	ries TIA50	00
	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	





# **TIA7500**

**TEMA Series** 



#### **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.

#### **Available Valves**



#### **Working Pressure**

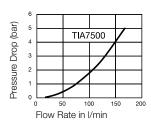
See chart.

#### **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.

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



### Material

#### Coupling

Coupling Body Sleeve Valve Springs Locking Balls Seals Valve Holder

#### Standard

Stainless Steel

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

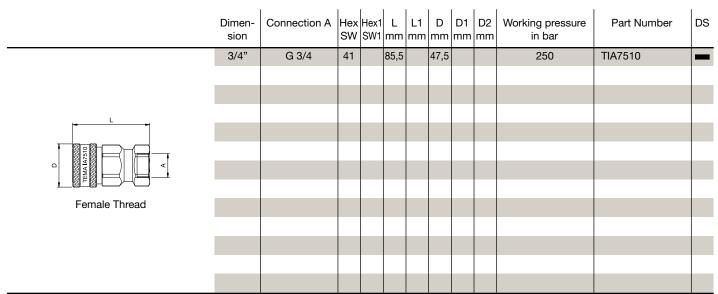
#### Plug

Plug Body Steel, Zinc Plated, Yellow passivated Valve Steel, Zinc Plated, Yellow passivated Springs AISI 301 Seals NBR Valve Holder Stainless Steel

#### Pressure

Bursting Pressure coupled >1070 bar Working Pressure uncoupled 250 bar

#### **Couplings TEMA Series TIA7500**



Plugs								IEMA S	eries IIA/50	JU
	Dimen- sion	Connection A		Hex1 SW1		D mm		Working pressure in bar	Part Number	DS
	3/4"	G 3/4	36		58		29	250	TIA7520	
T TEM M.										
Female Thread										
i chiale Thread										

Seal-Kit for Coupling	TEMA Series TIA7500				
	Description	Material	Part Number	DS	
	Coupling	NBR	TIA7500-PSN		

<b>Dust Protection</b>					TEMA S	eries TIA75	00
	Description	L mm	D mm	Material	Color	Part Number	DS
	Coupling	313	36	PVC	Blue	TIA7516 BL	
	Plug	333	36	PVC	Blue	TIA7526 BL	_







#### **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.

#### **Available Valves**



#### **Working Pressure**

See chart.

#### **Working Temperature\***

**TEMA Series** 

-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.

## Coupling

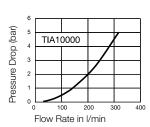
Material

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

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



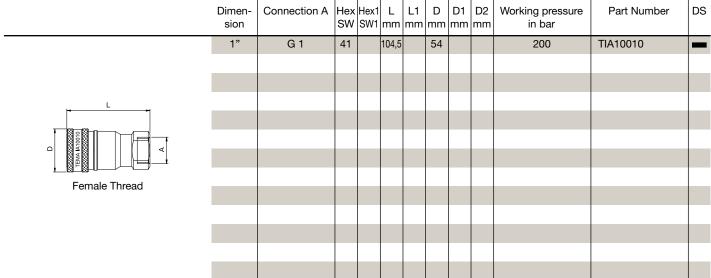
#### Plug

Plug Body Steel, Zinc Plated, Yellow passivated Valve Steel, Zinc Plated, Yellow passivated Springs AISI 301 **NBR** Seals Valve Holder Stainless Steel

#### **Pressures**

Bursting Pressure coupled >830 bar Working Pressure uncoupled 200 bar

## **TEMA Series TIA10000** Couplings



# Plugs TEMA Series TIA10000

	Dimen- sion	Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working pressure in bar	Part Number	DS
	1"	G 1	41		70,5			34,4		200	TIA10020	
L +												
E CONTRIBUTION OF CONTRIBUTION												
La L												
Female Thread												

Seal-Kit for Coupling		TEMA Se	ries TIA100	00
	Description	Material	Part Number	DS
	Coupling	NBR	TIA10000-PSN	

<b>Dust Protection</b>	TEMA Se	ries TIA1000	00				
	Description	L mm	D mm	Material	Color	Part Number	DS
	Coupling	290	40	PVC	Blue	TIA10016 BL	
	Plug	310	40	PVC	Blue	TIA10026 BL	



Parker Tema中高压快速接头授权分销商联系方式:

信德迈科技(北京)有限公司 CNMEC Technology 北京朝阳区望京街10号望京SOHO-T1-C座2115室

邮编:100102

电话: 010-8428 2935,8428 3983

手机: 139 1096 2635 Http://www.cnmec.biz E-mail:sales@cnmec.biz 传真: 010-8428 8762