



Nominal Diameter

# 25

 = 490 mm<sup>2</sup>

TEMA Series



# TIA10000

54% of actual size

**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**

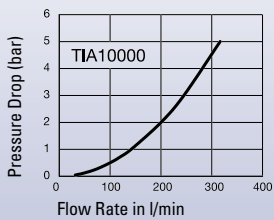
Plug Body  
Valve  
Springs  
Seals  
Valve Holder

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

**Pressures**

Bursting Pressure coupled  
Working Pressure uncoupled

> 830 bar  
200 bar

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


## Couplings

## 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		104,5	54				200	TIA10010	■

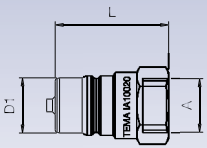
DS = Delivery Status: ■ in stock

■ 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	■□

DS = Delivery Status:

■ in stock

■□ on short call

□ medium term delivery