



Nominal Diameter

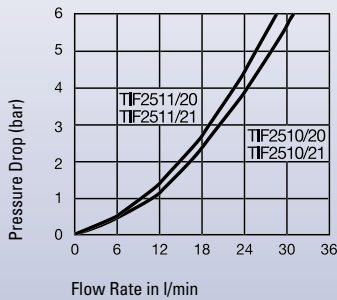
6,3

 = 31 mm²


TEMA Series

TIF2500

70% of actual size


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

The IF series plug profile is produced according to ISO Standard 16028 and is compatible with other makes of the same standard. These couplings offer an absolutely dry break – no oil loss during uncoupling. Thanks to the valve construction, the coupling has a minimum pressure drop, and thus achieves maximum cost-effectiveness.

Additional threads on request.

Advantages

The coupling can be operated with one hand and is equipped with a safety locking device to prevent unintentional uncoupling. With the patented pressure eliminator it is possible to couple under static pressure until working pressure.

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 -25°C and above +200°C special seals are available on request.

Material**Coupling**

Coupling Body
Sleeve
Valve
Springs
Locking Balls
Seals
Valve Holder
Thread Body

Standard

Steel, QPQ-treated
Steel, Zinc Pl., Yellow passivated, sealed
Steel, Zinc Pl., Yellow passivated, sealed
AISI 301
AISI 420 C
NBR
Steel, Zinc Pl., Yellow passivated, sealed
Steel, Zinc Pl., Yellow passivated, sealed

Stainless Steel Version

AISI 316
AISI 316
AISI 316
AISI 301
AISI 420 C
FKM
AISI 316
AISI 316

Plug

Plug Body
Valve
Springs
Seals
Valve Holder
Thread Body

Steel, Hardened, Zinc Plated, Yellow passivated, sealed
Steel, Zinc Pl., Yellow passivated, sealed
AISI 301
NBR/PUR
Brass
Steel, Zinc Pl., Yellow passivated, sealed

AISI 316
AISI 316
AISI 301
FKM
AISI 316
AISI 316

Pressure Eliminator Version (Coupling/Plug)

2. Valve
2. Valve Holder (up to 100°C)
2. Valve Holder (over 100°C)

Brass
Zinc Casting (NBR)
Brass (EPDM a. FKM)

Pressure (Coupling/Plug)

Bursting Pressure coupled
Working Pressure uncoupled

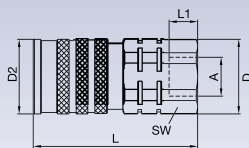
> 1260 bar
280 bar

> 1260 bar
200 bar/315 bar

Couplings

TEMA Series TIF2500

Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working Press. in bar	Version	Seal	Part Number	DS
G 1/4	27		64	12	29,5		29	315	Standard	NBR	TIF2510	■
G 1/4	27		64	12	29,5		29	315	Stainl. Steel	FKM	TIF2510 RV	■□
G 3/8	27		64	12	29,5		29	315	Standard	NBR	TIF2510-38	■□



Female Thread

DS = Delivery Status:

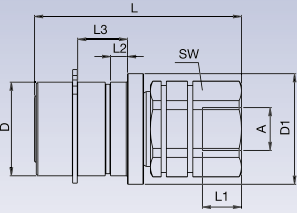
■ in stock

■□ on short call

■□ medium term delivery

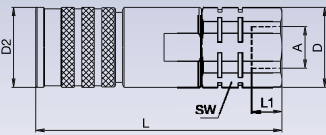
Couplings for Multiplate

TEMA Series TIF2500

	Connection A	Hex SW	L mm	L1 mm	L2 mm	L3 mm	D mm	D1 mm	D2 mm	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread with locking ring according to DIN 471 Standard</p>	G 1/4	27	64	12	5,2	15,3	28,8	34		315	Standard	NBR	TIF2510 E	■
	G 3/8	27	64	12	5,2	15,3	28,8	34		315	Standard	NBR	TIF2510-38 E	■

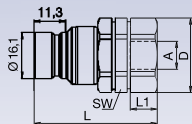
Couplings with Pressure Eliminator

TEMA Series TIF2500

	Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	G 1/4	27		91	12	29,5		29	315	Pressure E.	NBR	TIF2511	■
	G 3/8	27		91	12	29,5		29	315	Pressure E.	NBR	TIF2511-38	■

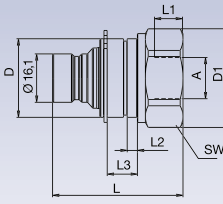
Plugs

TEMA Series TIF2500

	Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	G 1/4	22		49	12	24,5			315	Standard	NBR	TIF2520	■
	G 1/4	22		49	12	24,5			315	Stainl. Steel	FKM	TIF2520 RV	■
	G 3/8	22		49	12	24,5			315	Standard	NBR	TIF2520-38	■

Plugs for Multiplate

TEMA Series TIF2500

	Connection A	Hex SW	L mm	L1 mm	L2 mm	L3 mm	D mm	D1 mm	D2 mm	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread with locking ring according to DIN 471 Standard</p>	G 1/4	32	49	12	5,2	15,3	28,8	32		315	Standard	NBR	TIF2520 E	■

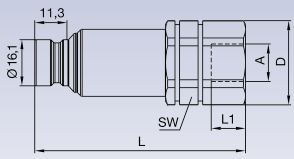
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■ medium term delivery

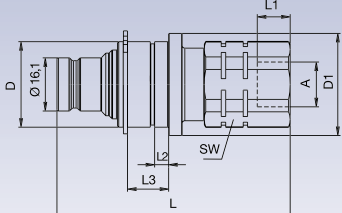
Plugs with Pressure Eliminator

TEMA Series TIF2500

	Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	G 1/4	27		74		29,5			315	Pressure Eli.	NBR	TIF2521	■
	G 3/8	27		74		29,5			315	Pressure Eli.	NBR	TIF2521-38	■□

Plugs with Pressure Eliminator for Multiplate

TEMA Series TIF2500

	Connection A	Hex SW	L mm	L1 mm	L2 mm	L3 mm	D mm	D1 mm	D2 mm	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread with locking ring according to DIN 471 Standard</p>	G 1/4	27	74	12	5,2	15,3	28,8	34		315	Press. Eli.	NBR	TIF2521E	■□
	G 3/8	27	74	12	5,2	15,3	28,8	34		315	Press. Eli.	NBR	TIF2521-38 E	■□

Seal-Kit for Plugs

TEMA Series TIF2500

Description	Material	Part Number	DS
Plug	NBR	TIF2500-PSN	■□
Plug	FKM	TIF2500-PSV	■□
Plug	EPDM	TIF2500-PSEP	■□
Plug	PUR	TIF2500-PSPU	■
Further sealing materials on request.			

Dust Protection

TEMA Series TIF2500

Description	L mm	D mm	Material	Color	Part Number	DS
Coupling	160	24	PVC	Blue	TIF2516	■
Plug	160	23	PVC	Blue	TIF2526	■□
Further colors on request.						

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□ medium term delivery