



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	Standard	Stainl. Steel Vers.	Brass Version
Coupling			
Coupling Body	Steel, QPQ-treated	AISI 316	Brass, Nickel Plated
Sleeve	Steel, Zinc Pl., Yellow pass., sealed	AISI 316	Brass, Nickel Plated
Valve	Steel, Zinc Pl., Yellow pass., sealed	AISI 316	Brass, Nickel Plated
Springs	AISI 301	AISI 301	AISI 301
Locking Balls	AISI 420 C	AISI 420 C	AISI 420 C
Seals	NBR	FKM	NBR
Valve Holder	Steel, Zinc Pl., Yellow pass., sealed	AISI 316	Brass, Nickel Plated
Thread Body	Steel, Zinc Pl., Yellow pass., sealed	AISI 316	Brass, Nickel Plated
Plug			
Plug Body	Steel, Hardened, Zinc Plated, Yellow passivated, sealed	AISI 316	Brass, Nickel Plated
Valve	Steel, Zinc Pl., Yellow pass., sealed	AISI 316	Brass, Nickel Plated
Springs	AISI 301	AISI 301	AISI 301
Seals	NBR/PUR	FKM	NBR
Valve Holder	Brass	AISI 316	Brass
Thread Body	Steel, Yellow Zinc Plated, Aquarez-treated	AISI 316	Brass, Nickel Plated

Pressure Eliminator Version (Coupling/Plug)

2. Valve	Brass
2. Valve Holder (up to 100°C)	Zinc Casting (NBR)
2. Valve Holder (over 100°C)	Brass (EPDM a. FKM)

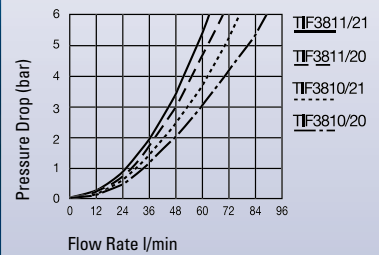
Pressure (Coupling/Plug)

Bursting Pressure coupled	> 1000 bar	> 1000 bar	> 200 bar
Working Pressure uncoupled	250 bar	150 bar/250 bar	50 bar

64% of actual size

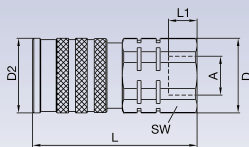


Flow Capacity Viscosity for 32cSt at 40°C as per ISO 7241/2-2000



Couplings

TEMA Series TIF3800



Female Thread

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 3/8	30		71	12	32		32	250	Standard	NBR	TIF3810	■
G 3/8	30		71	12	32		32	250	Stainl. Steel	FKM	TIF3810 RV	■□
G 3/8	30		71	12	32		32	50	Brass	NBR	TIF3810 M	■□
G 3/8	30		73	14	32		32	250	Standard	NBR	TIF3810-50	■
G 1/2	30		73	14	32		32	250	Stainl. Steel	FKM	TIF3810-50 RV	■□
G 1/2	30		73	14	32		32	50	Brass	NBR	TIF3810-50 M	■□

DS = Delivery Status:

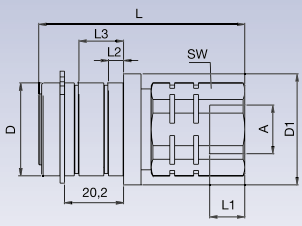
■ in stock

■□ on short call

□ medium term delivery

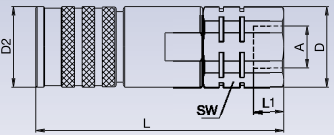
Couplings for Multiplate

TEMA Series TIF3800

	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 3/8 IG	30	71	12	5,2	15,3	31,8	38		250	Standard	NBR	TIF3810 E	■
	G 1/2 IG	30	73	14	5,2	15,3	31,8	38		250	Standard	NBR	TIF3810-50 E	■

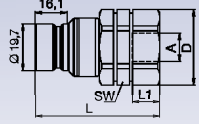
Couplings with Pressure Eliminator

TEMA Series TIF3800

	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 3/8 IG	30		99	12	32		32	250	Pressure Eli.	NBR	TIF3811	■
	G 1/2 IG	30		101	14	32		32	250	Pressure Eli.	NBR	TIF3811-50	■

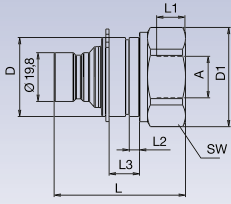
Plugs

TEMA Series TIF3800

	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 3/8 IG	30		58	12	32			250	Standard	NBR	TIF3820	■
	G 3/8 IG	30		58	12	32			250	Stainl. Steel	FKM	TIF3820 RV	■
	G 3/8 IG	30		58	12	32			50	Brass	NBR	TIF3820 M	■
	G 1/2 IG	30		60	12	32			250	Standard	NBR	TIF3820-50	■
	G 1/2 IG	30		60	12	32			250	Stainl. Steel	FKM	TIF3820-50 RV	■
	G 1/2 IG	30		60	12	32			50	Brass	NBR	TIF3820-50 M	■

Plugs for Multiplate

TEMA Series TIF3800

	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 3/8 IG	30	58	12	5,2	15,3	31,8	36		250	Standard	NBR	TIF3820 E	■

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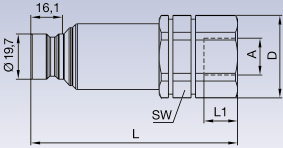
■ in stock

■ on short call

■ medium term delivery

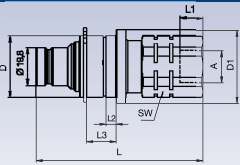
Plugs with Pressure Eliminator

TEMA Series TIF3800

	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 3/8 IG	30		87	12	32			250	Pressure Eli.	NBR	TIF3821	■
	G 1/2 IG	30		89	14	32			250	Pressure Eli.	NBR	TIF3821-50	■□

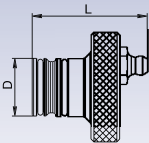
Plugs with Pressure Eliminator for Multiplate

TEMA Series TIF3800

	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</p>	G 3/8 IG	30	87	12	5.2	15.3	31.8	38		250	Press. Eli.	NBR	TIF3821 E	■□
	G 1/2 IG	30	89	14	5.2	15.3	31.8	38		250	Press. Eli.	NBR	TIF3821-50 E	■□

Lubrication Nipple

TEMA Series TIF3800

	Description	L mm	D mm	Part Number	DS
	Coupling	39	20	TGRIF38	■□

Seal-Kit for Plug

TEMA Series TIF3800

Description	Material	Part Number	DS
Plug	NBR	TIF3800-PSN	■□
Plug	FKM	TIF3800-PSV	■□
Plug	EPDM	TIF3800-PSEP	■□
Plug	PUR	TIF3800-PSPU	■
Further sealing materials on request.			

Dust Protection

TEMA Series TIF3800

Description	L mm	D mm	Material	Color	Part Number	DS
Coupling	170	28	PVC	Blue	TIF3816	■
Coupling	170	28	PVC	Red	TIF3816 R	■
Plug	170	28	PVC	Blue	TIF3826	■
Plug	170	28	PVC	Red	TIF3826 R	■
Further colors on request.						

DS = Delivery Status: ■ in stock

■□ on short call

□ medium term delivery