



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 pass., sealed
Steel, Zinc Pl., Yellow pass., sealed
AISI 301
AISI 420 C
NBR
Steel, Zinc Pl., Yellow pass., sealed
Steel, Zinc Pl., Yellow pass., sealed

Stainl. 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 pass., sealed
AISI 301
NBR/PUR
Brass
Steel, Zinc Pl., Yellow pass., sealed

AISI 316
AISI 316
AISI 301
FKM
AISI 316
AISI 316

Pressure Eliminator Version (Coupling/Plug)

2. Valve Brass
2. Valve Holder Brass

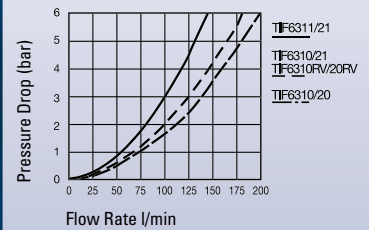
Pressure (Coupling/Plug)

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



55% of actual size

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



Couplings

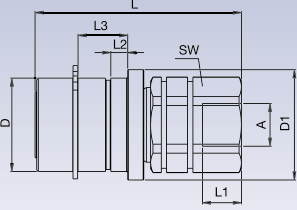
TEMA Series TIF6300

	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 3/4	40		82	16	43		42	250	Standard	NBR	TIF6310	■
	G 3/4	40		82	16	43		42	250	Stainl. Steel	FKM	TIF6310 RV	■

DS = Delivery Status: ■ in stock ■ on short call □ medium term delivery

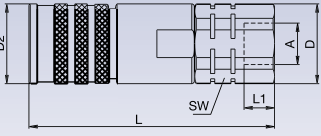
Couplings for Multiplate

TEMA Series TIF6300

	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 3/4	40	82	16	5,2	15,3	41,8	48		250	Standard	NBR	TIF6310 E	<input type="checkbox"/>

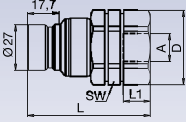
Couplings with Pressure Eliminator

TEMA Series TIF6300

	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 3/4	40		117	16	43		42	250	Pressure Eli.	NBR	TIF6311	<input checked="" type="checkbox"/>

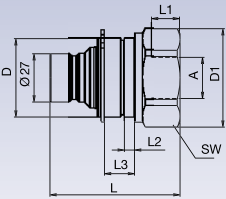
Plugs

TEMA Series TIF6300

	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 3/4	36		71	16	40			250	Standard	NBR	TIF6320	<input checked="" type="checkbox"/>
	G 3/4	36		71	16	40			250	Stainl. Steel	FKM	TIF6320 RV	<input checked="" type="checkbox"/>

Plugs for Multiplate

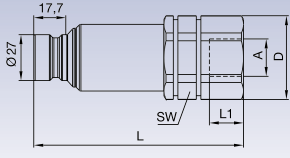
TEMA Series TIF6300

	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 3/4	46	71	16	5,2	15,3	39,8	46		250	Standard	NBR	TIF6320 E	<input type="checkbox"/>

DS = Delivery Status: in stock on short call medium term delivery

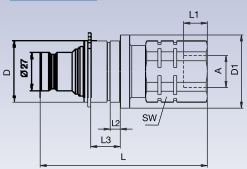
Plugs with Pressure Eliminator

TEMA Series TIF6300

	Connection A	Hex SW	Hex 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 3/4	40		101	16	43			250	Pressure Eli.	NBR	TIF6321	■ □

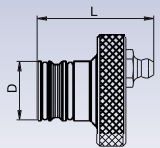
Plugs with Pressure Eliminator for Multiplate

TEMA Series TIF6300

	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 3/4	40	101	16	5,2	15,3	41,8	46		250	Press.Eli.	NBR	TIF6321 E	■ □

Lubrication Nipple

TEMA Series TIF6300

	Description	L mm	D mm	Part Number	DS
	Coupling	43	27	TGRIF63	■ □

Seal-Kit for Plug

TEMA Series TIF6300

Description	Material	Part Number	DS
Plug	NBR	TIF6300-PSN	■ □
Plug	FKM	TIF6300-PSV	■ □
Plug	EPDM	TIF6300-PSEP	■ □
Plug	PUR	TIF6300-PSPU	■ □
Further sealing materials on request.			

Dust Protection

TEMA Series TIF6300

Description	L mm	D mm	Material	Color	Part Number	DS
Coupling	215	37	PVC	Blue	TIF6316	■ □
Plug	215	37	PVC	Blue	TIF6326	■ □
Further colors on request.						

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■ on short call

■ medium term delivery