



Nominal Diameter

10

 = 80 mm²


TEMA Series

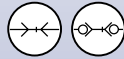
T3800

90% of actual size

**Technical Description**

This coupling system can be used as straight-through and double shut-off. Also available in stainless steel.

Connected length in total: 74 mm

Available Valves**Advantages**

Straight-through for minimum pressure drop. Double safety through a double O-ring seal. A safety closing ring prevents unintentional uncoupling. Corrosion resistant. Compact dimensions. Pressure eliminator for coupling and plug available. With pressure eliminator, can be coupled up to operating pressure.

Working Pressure

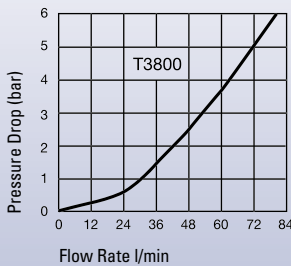
See chart.

Working Temperature*

-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium.

*At a temperature below -40°C and above +200°C special seals are available on request.

Material	Standard	Stainless Steel	High Pressure Water
Coupling			
Coupling Body	Brass, Nickel Plated, Chromated	AISI 316	Brass, Chromated
Sleeve	Brass, Nickel Plated, Chromated	AISI 316	Brass, Chromated
Locking Ring	Brass, Zinc-iron coated, Black passivated, sealed	AISI 316	
Valve	Brass	AISI 316	
Springs	AISI 301	AISI 301	AISI 301
Locking Balls	AISI 420 C	AISI 420 C	AISI 420 C
Seals	NBR/FKM	FKM	NBR
Valve Holder (up to 100°C)	Zinc Casting	AISI 316	
Valve Holder (over 100°C)	Brass	AISI 316	
Plug			Brass Version
Plug Body	Steel Hardened, Zinc Plated, Yellow passivated, sealed	AISI 316	Brass
Valve	Brass	AISI 316	Brass
Springs	AISI 301	AISI 301	AISI 301
Seals	NBR/FKM	FKM	NBR/FKM
Valve Holder (up to 100°C)	Zinc Casting	AISI 316	Brass
Valve Holder (over 100°C)	Brass	AISI 316	
Pressures (Coupling/Plug)			
Bursting Pressure coupled	> 1300 bar/1300 bar	> 1200 bar/1200 bar	> 1300 bar/200 bar
Working Pressure uncoupled	280 bar/300 bar	210 bar/250 bar	280 bar/50 bar

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


Couplings

TEMA Series T3800

	Connec- tion A	Hex SW	L mm	D mm	Valve	Working press. in bar	Version	Seal	Part Number	DS
<p>Female Thread</p>	G 3/8	24	60	34	with	350	Standard	NBR	T 3810	■
	G 3/8	24	60	34	with	350	Standard	FKM	T 3810 V	■
	G 3/8	24	60	34	with	300	Stainless Steel	FKM	T 3810 RV ²⁾	■□
	G 3/8	24	60	34	without	350	Standard	NBR	T 3810 UV	■□
	G 3/8	24	60	34	without	350	Standard	FKM	T 3810 VUV	■□
	G 3/8	24	60	34	without	350	Stainless Steel	FKM	T 3810 RVUV ²⁾	■□

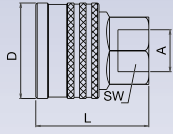
DS = Delivery Status: ■ in stock

■□ on short call

■□ medium term delivery

Couplings for High Pressure Water

TEMA Series T3800

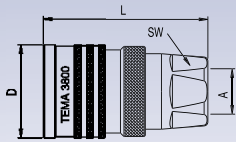


Female Thread

	Connec- tion A	Hex SW	L mm	D mm	Valve	Working press. in bar	Version	Seal	Part Number	DS
	G 3/8	24	40	34	without	350	High Pressure Water	NBR	T3810 H	■ □
	G 3/8	29	40	34	without	350	High Pressure Water	NBR	T3810 H2	■ □
	G 3/8	24	40	34	without	350	High Pressure Water	FKM	T3810 HV	■ □
	G 3/8	29	40	34	without	350	High Pressure Water	FKM	T3810 H2V	■ □
	G 3/8	24	40	34	without	350	High Pressure Water	EPDM	T3810 HEP	■ □
	G 3/8	29	40	34	without	350	High Pressure Water	EPDM	T3810 H2EP	■ □

Couplings with Pressure Eliminator

TEMA Series T3800

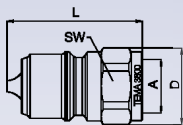


Female Thread

	Connec- tion A	Hex SW	L mm	D mm	Valve	Working press. in bar	Version	Seal	Part Number	DS
	G 3/8	24	60	34	with	350	Standard	NBR	T3811	■ ■
	G 3/8	24	60	34	with	350	Standard	FKM	T3811 V	■ □
	G 3/8	24	60	34	with	300	Stainless Steel	FKM	T3811 RV ²⁾	■ □
	G 3/8	24	60	34	with	300	Stainless Steel	FKM	T3811 RFV ^{1) 2)}	■ □

Plugs

TEMA Series T3800



Female Thread

	Connec- tion A	Hex SW	L mm	D mm	Valve	Working press. in bar	Version	Seal	Part Number	DS
	G 3/8	22	42	24	with	350	Standard	NBR	T3820	■ ■
	G 3/8	22	42	24	with	350	Standard	FKM	T3820 V	■ ■
	G 3/8	22	42	24	with	50	Brass	NBR	T3820 M	■ □
	G 3/8	22	42	24	with	50	Brass	FKM	T3820 MV	■ □
	G 3/8	22	42	24	with	300	Stainless Steel	FKM	T3820 RV ²⁾	■ □
	G 3/8	22	42	24	with	300	Stainless Steel	NBR	T3820 RF ^{1) 2)}	■ □
	G 3/8	22	42	24	with	300	Stainless Steel	FKM	T3820 RFV ^{1) 2)}	■ □
	G 3/8	22	38	24	without	350	Standard		T3820 UV	■ □
	G 3/8	22	38	24	without	300	Stainless Steel		T3820 RUV ²⁾	■ □
	G 3/8	22	38	24	without	170	Stainless Steel		T3820 RFUV ^{2) 3)}	■ □

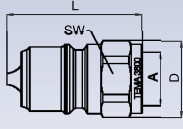
¹⁾ Valve made of brass

²⁾ For pulsating pressure, the pressure must not exceed 50 % of the given value

³⁾ Suitable for high pressure water, AISI 303

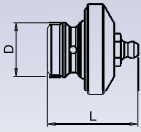
Plugs with Pressure Eliminator

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	Conne- tion A	Hex SW	L mm	D mm	Valve	Working press. in bar	Version	Seal	Part Number	DS
	G 3/8	22	43	24	with	350	Standard	NBR	T3821	■
	G 3/8	22	43	24	with	350	Standard	NBR	T3821 V	■□
	G 3/8	22	43	24	with	300	Stainless Steel	FKM	T3821 RV ²⁾	■□
	G 3/8	22	43	24	with	300	Stainless Steel	FKM	T3821 RFV ²⁾	■□

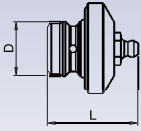
Lubrication Nipple

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	Description	L mm	D mm	Part Number	DS
	Coupling	36	36	TGR3	■□

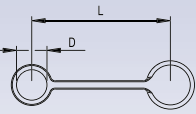
Seal-Kit for Coupling

TEMA Series T3800

	Description	Material	Part Number	DS
	Coupling	NBR	T3800-PSN	■□
	Coupling	FKM	T3800-PSV	■□
Further sealing materials on request.				

Dust Protection

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	Description	L mm	D mm	Material	Color	Part Number	DS
	for coupling	145	54	PVC	Blue	T3816	■
	for plug	145	46	PVC	Blue	T3826	■
	for coupling	145	54	PVC	Yellow	T3816 Y	■
	for plug	145	46	PVC	Yellow	T3826 Y	■
Further colors on request.							

¹⁾ Valve made of brass.

²⁾ For pulsating pressure, the pressure must not exceed 50 % of the given value

³⁾ Material, AISI 420 hardened